The Little Data Book on Information and Communication Technology



Economic and social context	Usage
Sector structure	Quality
Sector efficiency and capacity	Affordability
Sector performance	Trade
Access	Applications





2014 | THE LITTLE DATA BOOK ON INFORMATION AND COMMUNICATION TECHNOLOGY





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Preface

Since the late 1990s access to information and communication technologies (ICTs) has seen tremendous growth—driven primarily by the wireless technologies and liberalization of telecommunications markets. Mobile communications have evolved from simple voice and text services to diversified innovative applications and mobile broadband Internet. By the end of 2013, there were an estimated 6.8 billion mobile-cellular subscriptions globally. The number of individuals using the Internet has risen constantly and reached an estimated 2.7 billion while the number of fixed (wired)-broadband subscriptions reached almost 700 million at the end of 2013.

The impacts of ICTs cross all sectors. Research has shown that investment in information and communication technologies is associated with such economic benefits as higher productivity, lower costs, new economic opportunities, job creation, innovation, and increased trade. ICTs also help provide better services in health and education, and strengthen social cohesion.

The Little Data Book on Information and Communication Technology 2014 illustrates the progress of this revolution for 214 economies around the world. It provides comparable statistics on the sector for 2005 and 2012 across a range of indicators, enabling readers to readily compare economies.

This book includes indicators covering the economic and social context, the structure of the information and communication technology sector, sector efficiency and capacity, and sector performance related to access, usage, quality, affordability, trade, and applications. The glossary contains definitions of the terms used in the tables.

For more information and other World Bank data publications, visit our data Web site at data.worldbank.org or the Web site of the Information and Communication Technologies Department at www.worldbank.org/ict.

For more statistics on information and communication technology infrastructure, access and usage, as well as analytical reports such as the annual *Measuring the Information Society* report, visit ITU's Web site at www.itu.int/en/ITU-D/Statistics/Pages/default.aspx and the ITU ICT Eye at www.itu.int/icteye.

Data notes

The data in this book are for 2005 and 2012 or the most recent year unless otherwise noted in the table or the glossary.

- Growth rates are proportional changes from the previous year unless otherwise noted.
- Regional aggregates include data for low- and middle-income economies only.
- Figures in italics indicate data for years or periods other than those specified.

Symbols used:

- .. indicates that data are not available or that aggregates cannot be calculated because of missing data.
- 0 or 0.0 indicates zero or small enough that the number would round to zero at the displayed number of decimal places.
 - \$ indicates current U.S. dollars.

Lettered notes on some country tables can be found in the notes on page 232.

Data are shown for economies with populations greater than 30,000 or for smaller economies if they are members of the World Bank or the ITU. The term *country* (used interchangeably with *economy*) does not imply political independence or official recognition by the World Bank or the ITU but refers to any economy for which the authorities report separate social or economic statistics.

Aggregates for groups of economies are based on the World Bank's regional and income classifications. Because of missing data, aggregates should be treated as approximations of unknown totals or average values. The aggregation method for each indicator is noted in the glossary. Sums (s) are simple totals of available data. Weighted averages (w) are calculated using the value of the denominator or, in some cases, another indicator as the weight. Median (m) calculations are based on available data and exclude economies with populations below 1 million. For more information about aggregation methods visit datahelpdesk.worldbank.org.

The cutoff date for data is March 1, 2014.

Regional tables

The country composition of regions is based on the World Bank's analytical regions and may differ from common geographic usage. These regions include low- and middle-income economies only.

East Asia and Pacific

American Samoa, Cambodia, China, Fiji, Indonesia, Kiribati, Democratic People's Republic of Korea, Lao People's Democratic Republic, Malaysia, Marshall Islands, Federated States of Micronesia, Mongolia, Myanmar, Palau, Papua New Guinea, the Philippines, Samoa, Solomon Islands, Thailand, Timor-Leste, Tonga, Tuvalu, Vanuatu, Vietnam

Europe and Central Asia

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Georgia, Hungary, Kazakhstan, Kosovo, Kyrgyz Republic, Former Yugoslav Republic of Macedonia, Moldova, Montenegro, Romania, Serbia, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan

Latin America and the Caribbean

Argentina, Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Lucia, St. Vincent and the Grenadines, Suriname, República Bolivariana de Venezuela

Middle East and North Africa

Algeria, Djibouti, Arab Republic of Egypt, Islamic Republic of Iran, Iraq, Jordan, Lebanon, Libya, Morocco, Syrian Arab Republic, Tunisia, West Bank and Gaza, Republic of Yemen

South Asia

Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

Sub-Saharan Africa

Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African Republic, Chad, Comoros, Democratic Republic of Congo, Republic of Congo, Côte d'Ivoire, Eritrea, Ethiopia, Gabon, The Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

World

	2005	2012
Economic and social context		
Population (millions)	6,491	7,04
Urban population (% of total)	49	5
GNI per capita, World Bank Atlas method (\$)	7,208	10,18
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.9	2.
Adult literacy rate (% ages 15 and older)	82	8-
Gross primary, secondary, tertiary school enrollment (%)	67	7.
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity	2.0	0
Telecommunications revenue (% of GDP)	3.0 17.9	2. 17.
Telecommunications investment (% of revenue)	17.9	17.
Sector performance Access		
Fixed-telephone subscriptions (per 100 people)	19.4	16.
Mobile-cellular telephone subscriptions (per 100 people)	33.9	
Fixed (wired)-broadband subscriptions (per 100 people)	3.4	
Households with a computer (%)	27.6	
Households with Internet access at home (%)	18.9	37.
Usage	10.3	31.
Int'l. voice traffic, total (minutes/subscription/month)		7.
Domestic mobile traffic (minutes/subscription/month)	••	
Individuals using the Internet (%)	15.8	35.
Quality	15.0	33.
Population covered by a mobile-cellular network (%)	67	9.
Fixed (wired)-broadband subscriptions (% of total Internet)	49.7	93.
International Internet bandwidth (bit/s per Internet user)		41,19
Affordability	1,010	.1,10
Fixed-telephone sub-basket (\$ a month)		10.
Mobile-cellular sub-basket (\$ a month)		14.
Fixed-broadband sub-basket (\$ a month)		23.
Trade		
ICT goods exports (% of total goods exports)	13.6	10.
ICT goods imports (% of total goods imports)	13.8	
ICT service exports (% of total service exports)	28.6	
Applications	20.0	01.
Online service index (0-1, 1=highest presence)	0.45	0.4
Secure Internet servers (per million people)	64.9	
	0 1.0	200.

East Asia & Pacific

	2005	2012
Economic and social context		
Population (millions)	1,893	1,992
Urban population (% of total)	42	
GNI per capita, World Bank Atlas method (\$)	1,614	,
GDP growth, 2000-05 and 2005-12 (avg. annual %)	8.4	
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, tertiary school enrollment (%)	67	71 ———
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.2	2.2
Telecommunications investment (% of revenue)	23.5	20.0
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	20.9	17.0
Mobile-cellular telephone subscriptions (per 100 people)	28.1	88.9
Fixed (wired)-broadband subscriptions (per 100 people)	2.0	9.7
Households with a computer (%)	20.4	
Households with Internet access at home (%)	9.0	30.9
Usage	1.3	0.5
Int'l. voice traffic, total (minutes/subscription/month)	1.3	0.5 386
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	8.3	36.2
Quality	0.3	30.2
Population covered by a mobile-cellular network (%)	93	99
Fixed (wired)-broadband subscriptions (% of total Internet)	45.9	96.8
International Internet bandwidth (bit/s per Internet user)	975	5,993
Affordability		
Fixed-telephone sub-basket (\$ a month)		5.2
Mobile-cellular sub-basket (\$ a month)		7.7
Fixed-broadband sub-basket (\$ a month)		22.5
Trade		
ICT goods exports (% of total goods exports)	29.6	24.3
ICT goods imports (% of total goods imports)	24.4	18.3
ICT service exports (% of total service exports)	24.1	32.9
Applications		
Online service index (0-1, 1=highest presence)	0.29	0.22
Secure Internet servers (per million people)	0.8	5.6

Europe & Central Asia

	2005	2012
Economic and social context		
Population (millions)	260	271
Urban population (% of total)	58	60
GNI per capita, World Bank Atlas method (\$)	3,491	6,664
GDP growth, 2000–05 and 2005–12 (avg. annual %)	5.8	3.1
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, tertiary school enrollment (%)	77	80
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.5	2.4
Telecommunications investment (% of revenue)	23.0	19.6
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	22.1	21.4
Mobile-cellular telephone subscriptions (per 100 people)	49.6	
Fixed (wired)-broadband subscriptions (per 100 people)	1.2	
Households with a computer (%)	14.7	
Households with Internet access at home (%)	6.8	41.4
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		95
Individuals using the Internet (%) Quality	12.0	43.3
Population covered by a mobile-cellular network (%)	92	99
Fixed (wired)-broadband subscriptions (% of total Internet)	30.7	92.2
International Internet bandwidth (bit/s per Internet user)		42,572
Affordability	2,	.2,0.2
Fixed-telephone sub-basket (\$ a month)		3.7
Mobile-cellular sub-basket (\$ a month)		12.5
Fixed-broadband sub-basket (\$ a month)		12.1
Trade		
ICT goods exports (% of total goods exports)	7.6	5.3
ICT goods imports (% of total goods imports)	8.0	6.7
ICT service exports (% of total service exports)	10.5	
Applications		
Online service index (0-1, 1=highest presence)	0.46	0.46
Secure Internet servers (per million people)	7.8	42.0
/L /L /		

Latin America & Caribbean

	2005	2012
Economic and social context		
Population (millions)	536	581
Urban population (% of total)	77	79
GNI per capita, World Bank Atlas method (\$)	4,368	.,
GDP growth, 2000–05 and 2005–12 (avg. annual %)	2.5	3.6
Adult literacy rate (% ages 15 and older)	90	91
Gross primary, secondary, tertiary school enrollment (%)	81	83
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	3.0
Telecommunications investment (% of revenue)	20.3	16.2
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	17.3	
Mobile-cellular telephone subscriptions (per 100 people)	42.1	108.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.4	
Households with a computer (%)	16.8	
Households with Internet access at home (%)	9.4	33.1
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)	43	93
Individuals using the Internet (%) Quality	16.0	42.7
Population covered by a mobile-cellular network (%)	89	99
Fixed (wired)-broadband subscriptions (% of total Internet)	53.8	89.3
International Internet bandwidth (bit/s per Internet user)		28,238
Affordability	-,	,
Fixed-telephone sub-basket (\$ a month)		7.9
Mobile-cellular sub-basket (\$ a month)		14.9
Fixed-broadband sub-basket (\$ a month)		20.4
Trade		
ICT goods exports (% of total goods exports)	8.5	8.4
ICT goods imports (% of total goods imports)	13.7	12.6
ICT service exports (% of total service exports)		
Applications		
Online service index (0-1, 1=highest presence)	0.47	0.43
Secure Internet servers (per million people)	9.8	36.4
/L /L /	3.0	

Middle East & North Africa

	2005	2012
Economic and social context		
Population (millions)	301	340
Urban population (% of total)	58	60
GNI per capita, World Bank Atlas method (\$)	1,996	3,450
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.5	4.2
Adult literacy rate (% ages 15 and older)	68	77
Gross primary, secondary, tertiary school enrollment (%)	68	72
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.2	2.7
Telecommunications investment (% of revenue)	21.7	15.6
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	14.4	16.1
Mobile-cellular telephone subscriptions (per 100 people)	22.4	95.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.4	2.9
Households with a computer (%)	15.4	34.7
Households with Internet access at home (%)	8.9	27.9
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	8.5	6.1
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	8.5	30.7
Quality		
Population covered by a mobile-cellular network (%)	79	97
Fixed (wired)-broadband subscriptions (% of total Internet)		53.8
International Internet bandwidth (bit/s per Internet user)	645	7,114
Affordability		
Fixed-telephone sub-basket (\$ a month)		4.5
Mobile-cellular sub-basket (\$ a month)		10.9
Fixed-broadband sub-basket (\$ a month)		14.4
Trade		
ICT goods exports (% of total goods exports)	0.7	0.8
ICT goods imports (% of total goods imports)	5.2	4.1
ICT service exports (% of total service exports)		
Applications		
Online service index (0-1, 1=highest presence)	0.35	0.34
Secure Internet servers (per million people)	0.6	3.5

South Asia

	2005	2012
Economic and social context		
Population (millions)	1,499	1,649
Urban population (% of total)	29	31
GNI per capita, World Bank Atlas method (\$)	700	, -
GDP growth, 2000–05 and 2005–12 (avg. annual %)	6.3	7.1
Adult literacy rate (% ages 15 and older)	58	62
Gross primary, secondary, tertiary school enrollment (%)	56	62
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.4	2.3
Telecommunications investment (% of revenue)	37.8	36.3
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	4.0	2.6
Mobile-cellular telephone subscriptions (per 100 people)	7.8	68.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	1.1
Households with a computer (%)	2.0	
Households with Internet access at home (%) Usage	1.4	8.6
Int'l. voice traffic, total (minutes/subscription/month)	5.3	6.0
Domestic mobile traffic (minutes/subscription/month)		0.0
Individuals using the Internet (%)	2.5	11.6
Quality	2.5	11.0
Population covered by a mobile-cellular network (%)	37	85
Fixed (wired)-broadband subscriptions (% of total Internet)	14.9	56.9
International Internet bandwidth (bit/s per Internet user)	560	5,284
Affordability		-, -
Fixed-telephone sub-basket (\$ a month)		3.0
Mobile-cellular sub-basket (\$ a month)		3.5
Fixed-broadband sub-basket (\$ a month)		7.0
Trade		
ICT goods exports (% of total goods exports)	1.0	1.7
ICT goods imports (% of total goods imports)	7.6	5.0
ICT service exports (% of total service exports)	61.6	62.0
Applications		
Online service index (0-1, 1=highest presence)	0.31	0.36
Secure Internet servers (per million people)	0.5	3.3

Sub-Saharan Africa

	2005	2012
Economic and social context		
Population (millions)	757	911
Urban population (% of total)	34	37
GNI per capita, World Bank Atlas method (\$)	763	1,350
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.6	4.7
Adult literacy rate (% ages 15 and older)	57	60
Gross primary, secondary, tertiary school enrollment (%)	52	58
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	4.7	3.8
Telecommunications investment (% of revenue)		23.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	1.5	1.2
Mobile-cellular telephone subscriptions (per 100 people)	12.0	59.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.2
Households with a computer (%)	3.6	8.1
Households with Internet access at home (%)	1.1	8.0
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		5.1
Domestic mobile traffic (minutes/subscription/month)		302
Individuals using the Internet (%) Quality	2.1	14.8
Population covered by a mobile-cellular network (%)	51	84
Fixed (wired)-broadband subscriptions (% of total Internet)		39.8
International Internet bandwidth (bit/s per Internet user)	232	6,430
Affordability		-,
Fixed-telephone sub-basket (\$ a month)		10.5
Mobile-cellular sub-basket (\$ a month)		14.6
Fixed-broadband sub-basket (\$ a month)		46.6
Trade		
ICT goods exports (% of total goods exports)	0.6	0.5
ICT goods imports (% of total goods imports)	7.6	5.8
ICT service exports (% of total service exports)	12.5	14.4
Applications		
Online service index (0-1, 1=highest presence)	0.25	0.27
Secure Internet servers (per million people)	2.1	6.8

Income group tables

For operational and analytical purposes the World Bank's main criterion for classifying economies is gross national income (GNI) per capita. Every economy in *The Little Data Book on Information and Communication Technology* is classified as low income, middle income, or high income. Low- and middle-income economies are sometimes referred to as developing economies. The use of the term is convenient; it is not intended to imply that all economies in the group are experiencing similar development or that other economies have reached a preferred or final stage of development. Classification by income does not necessarily reflect development status. Note: Classifications are fixed during the World Bank's fiscal year (ending on June 30), thus countries remain in the categories in which they are classified irrespective of any revisions to their per capita income data.

 $\ensuremath{\textbf{Low-income}}$ economies are those with a GNI per capita of \$1,035 or less in 2012.

Middle-income economies are those with a GNI per capita of more than \$1,035 but less than \$12,616. Lower-middle-income and upper-middle income economies are separated at a GNI per capita of \$4,085.

High-income economies are those with a GNI per capita of \$12,616 or more.

Euro area includes the member states of the Economic and Monetary Union of the European Union that have adopted the euro as their currency: Austria, Belgium, Cyprus, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Luxembourg, Malta, the Netherlands, Portugal, Slovak Republic, Slovenia, and Spain.

Low income

	2005	2012
Economic and social context		_
Population (millions)	727	846
Urban population (% of total)	26	28
GNI per capita, World Bank Atlas method (\$)	330	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.8	5.9
Adult literacy rate (% ages 15 and older)	57	61
Gross primary, secondary, tertiary school enrollment (%)	51	60
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly) International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.5	5.0
Telecommunications investment (% of revenue)		
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	0.9	1.0
Mobile-cellular telephone subscriptions (per 100 people)	4.6	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.2
Households with a computer (%)	1.0	4.2
Households with Internet access at home (%)	0.3	3.4
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		70
Individuals using the Internet (%)	0.9	6.2
Quality		
Population covered by a mobile-cellular network (%)	51	
Fixed (wired)-broadband subscriptions (% of total Internet)	4.5	30.9
International Internet bandwidth (bit/s per Internet user)	208	9,141
Affordability		
Fixed-telephone sub-basket (\$ a month)		8.9
Mobile-cellular sub-basket (\$ a month)		11.9
Fixed-broadband sub-basket (\$ a month)		46.9
Trade		
ICT goods exports (% of total goods exports)	0.2	
ICT goods imports (% of total goods imports)	4.8	
ICT service exports (% of total service exports)		
Applications		
Online service index (0-1, 1=highest presence)	0.22	0.20
Secure Internet servers (per million people)	0.1	1.1

Middle income

	2005	2012
Economic and social context		
Population (millions)	4,518	4,898
Urban population (% of total)	45	50
GNI per capita, World Bank Atlas method (\$)	1,835	4,370
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.5	6.1
Adult literacy rate (% ages 15 and older)	80	83
Gross primary, secondary, tertiary school enrollment (%)	65	69
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	
Telecommunications investment (% of revenue)	22.1	20.0
Sector performance		
Access	44.0	40.0
Fixed-telephone subscriptions (per 100 people)	14.3	12.3
Mobile-cellular telephone subscriptions (per 100 people)	24.9	
Fixed (wired)-broadband subscriptions (per 100 people)	1.2	6.0
Households with a computer (%)	14.9	
Households with Internet access at home (%)	7.1	25.7
Usage	2.0	4.0
Int'l. voice traffic, total (minutes/subscription/month)	3.9	4.0
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	7.7	29.9
Quality	00	0.0
Population covered by a mobile-cellular network (%)	86	92
Fixed (wired)-broadband subscriptions (% of total Internet)	42.2	91.8
International Internet bandwidth (bit/s per Internet user)	1,084	12,511
Affordability		0.0
Fixed-telephone sub-basket (\$ a month)		6.9
Mobile-cellular sub-basket (\$ a month)		13.1
Fixed-broadband sub-basket (\$ a month)		18.3
Trade	47.0	45.0
ICT goods exports (% of total goods exports)	17.9	15.2
ICT goods imports (% of total goods imports)	16.5	
ICT service exports (% of total service exports)	26.0	35.2
Applications	0.40	0.07
Online service index (0-1, 1=highest presence)	0.42	0.37
Secure Internet servers (per million people)	2.4	11.3

Lower middle income

	2005	2012
Economic and social context		
Population (millions)	2,253	2,507
Urban population (% of total)	36	39
GNI per capita, World Bank Atlas method (\$)	876	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.7	6.0
Adult literacy rate (% ages 15 and older)	68	71
Gross primary, secondary, tertiary school enrollment (%)	60	64
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.1	2.5
Telecommunications investment (% of revenue)	23.6	20.5
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	5.2	5.4
Mobile-cellular telephone subscriptions (per 100 people)	13.7	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	1.4
Households with a computer (%)	3.5	15.0
Households with Internet access at home (%)	2.4	12.4
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	6.9	6.5
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%) Quality	4.0	18.7
Population covered by a mobile-cellular network (%)	50	86
Fixed (wired)-broadband subscriptions (% of total Internet)	10.7	58.2
International Internet bandwidth (bit/s per Internet user)	514	8,076
Affordability	514	0,010
Fixed-telephone sub-basket (\$ a month)		4.9
Mobile-cellular sub-basket (\$ a month)		10.5
Fixed-broadband sub-basket (\$ a month)		20.6
Trade	••	20.0
ICT goods exports (% of total goods exports)	7.4	4.6
ICT goods imports (% of total goods imports)	9.7	7.2
ICT service exports (% of total service exports)	36.8	47.1
Applications	30.0	71.1
Online service index (0-1, 1=highest presence)	0.35	0.32
Secure Internet servers (per million people)	0.55	4.4
ocours internet servers (ber minion heahie)	0.7	4.4

Upper middle income

	2005	2012
Economic and social context		
Population (millions)	2,265	,
Urban population (% of total)	54	
GNI per capita, World Bank Atlas method (\$)	2,788	,
GDP growth, 2000–05 and 2005–12 (avg. annual %)	5.4	6.2
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, tertiary school enrollment (%)	72	76
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	
Telecommunications investment (% of revenue)	20.5	18.2
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	23.0	
Mobile-cellular telephone subscriptions (per 100 people)	36.1	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.3	
Households with a computer (%)	22.0	
Households with Internet access at home (%)	10.2	36.3
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	2.6	
Domestic mobile traffic (minutes/subscription/month)	98	
Individuals using the Internet (%) Quality	11.3	41.6
Population covered by a mobile-cellular network (%)	94	99
Fixed (wired)-broadband subscriptions (% of total Internet)	49.7	95.5
International Internet bandwidth (bit/s per Internet user)		14,580
Affordability	-,	- 1,000
Fixed-telephone sub-basket (\$ a month)		9.4
Mobile-cellular sub-basket (\$ a month)		14.9
Fixed-broadband sub-basket (\$ a month)		17.8
Trade		0
ICT goods exports (% of total goods exports)	20.0	17.6
ICT goods imports (% of total goods imports)	18.5	14.7
ICT service exports (% of total service exports)	20.8	
Applications		
Online service index (0-1, 1=highest presence)	0.47	0.42
Secure Internet servers (per million people)	4.1	18.5
/F		

Low and middle income

	2005	2012
Economic and social context		
Population (millions)	5,245	5,744
Urban population (% of total)	42	46
GNI per capita, World Bank Atlas method (\$)	1,626	3,815
GDP growth, 2000–05 and 2005–12 (avg. annual %)	5.5	6.1
Adult literacy rate (% ages 15 and older)	78	80
Gross primary, secondary, tertiary school enrollment (%)	63	67
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	2.5
Telecommunications investment (% of revenue)	25.8	21.3
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	12.5	10.6
Mobile-cellular telephone subscriptions (per 100 people)	22.2	81.7
Fixed (wired)-broadband subscriptions (per 100 people)	1.0	5.3
Households with a computer (%)	13.7	26.4
Households with Internet access at home (%)	6.4	23.2
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		4.3
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	6.8	26.5
Quality	0.4	
Population covered by a mobile-cellular network (%)	84	91
Fixed (wired)-broadband subscriptions (% of total Internet)	42.0	91.1
International Internet bandwidth (bit/s per Internet user) Affordability	1,070	12,402
Fixed-telephone sub-basket (\$ a month)		7.2
Mobile-cellular sub-basket (\$ a month)		12.6
Fixed-broadband sub-basket (\$ a month)		20.6
Trade		_5.0
ICT goods exports (% of total goods exports)	17.6	15.1
ICT goods imports (% of total goods imports)	16.3	
ICT service exports (% of total service exports)	25.8	34.9
Applications	20.0	3 1.0
Online service index (0-1, 1=highest presence)	0.35	0.33
Secure Internet servers (per million people)	2.2	9.8

High income

	2005	2012
Economic and social context		
Population (millions)	1,246	,
Urban population (% of total)	78	
GNI per capita, World Bank Atlas method (\$)	,	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.3	1.0
Adult literacy rate (% ages 15 and older)		
Gross primary, secondary, tertiary school enrollment (%)	90	93
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.0	2.7
Telecommunications investment (% of revenue)	14.4	17.6
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	48.1	43.6
Mobile-cellular telephone subscriptions (per 100 people)	83.4	
Fixed (wired)-broadband subscriptions (per 100 people)	13.5	26.2
Households with a computer (%)	60.1	77.7
Households with Internet access at home (%)	49.5	75.5
Usage		
nt'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		114
Individuals using the Internet (%) Quality	53.8	75.4
Population covered by a mobile-cellular network (%)	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	37.9	95.9
International Internet bandwidth (bit/s per Internet user)		85,990
Affordability	1,041	00,000
Fixed-telephone sub-basket (\$ a month)		25.2
Mobile-cellular sub-basket (\$ a month)		20.6
Fixed-broadband sub-basket (\$ a month)		29.2
Trade		
ICT goods exports (% of total goods exports)	12.3	8.9
ICT goods imports (% of total goods imports)	13.1	
CT service exports (% of total service exports)	29.3	30.8
Applications		
Online service index (0-1, 1=highest presence)	0.66	0.67
Secure Internet servers (per million people)	313.4	827.6
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Euro area

	2005	2012
Economic and social context		
Population (millions)	327	333
Urban population (% of total)	74	76
GNI per capita, World Bank Atlas method (\$)	- ,	38,030
GDP growth, 2000–05 and 2005–12 (avg. annual %)	1.5	0.4
Adult literacy rate (% ages 15 and older)		99
Gross primary, secondary, tertiary school enrollment (%)	92	94
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity	0.0	4.0
Telecommunications revenue (% of GDP)	2.8	1.9
Telecommunications investment (% of revenue)	12.1	16.5
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	51.5	48.4
Mobile-cellular telephone subscriptions (per 100 people)	97.5	
Fixed (wired)-broadband subscriptions (per 100 people)	13.2	
Households with a computer (%)	58.2	
Households with Internet access at home (%)	46.4	76.5
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)	84	117
Individuals using the Internet (%) Quality	51.4	75.9
Population covered by a mobile-cellular network (%)	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	58.6	97.6
International Internet bandwidth (bit/s per Internet user)	9,606	100,322
Affordability	.,	, .
Fixed-telephone sub-basket (\$ a month)		27.8
Mobile-cellular sub-basket (\$ a month)		25.2
Fixed-broadband sub-basket (\$ a month)		31.3
Trade		
ICT goods exports (% of total goods exports)	8.2	4.8
ICT goods imports (% of total goods imports)	10.1	6.9
ICT service exports (% of total service exports)	30.0	
Applications		
Online service index (0-1, 1=highest presence)	0.70	0.66
Secure Internet servers (per million people)	144.1	662.3
/F/		

Country tables

Cabo Verde

Cabo Verde is the new name for the country previously listed as Cape Verde.

China

Data for China do not include data for Hong Kong SAR, China; Macao SAR, China; or Taiwan, China.

Cyprus

GNI and GDP data and data calculated using GNI and GDP refer to the area controlled by the government of the Republic of Cyprus.

Georgia

GNI, GDP, and population data and data calculated using GNI, GDP, and population exclude Abkhazia and South Ossetia.

Kosovo, Montenegro, and Serbia

Montenegro declared independence from Serbia and Montenegro on June 3, 2006. Where available, data for each country are shown separately. However, some indicators for Serbia prior to 2006 include data for Montenegro. Moreover, data for most indicators for Serbia from 1999 onward exclude data for Kosovo, which in 1999 became a territory under international administration pursuant to UN Security Council Resolution 1244 (1999). Kosovo became a member of the World Bank on June 29, 2009, and its data are shown where available.

Moldova

GNI, GDP, and population data and data calculated using GNI, GDP, and population exclude Transnistria.

Morocco

GNI and GDP data and data calculated using GNI and GDP include Former Spanish Sahara.

South Sudan and Sudan

South Sudan declared its independence on July 9, 2011. Data are shown separately for South Sudan where available. However, data reported for Sudan include South Sudan unless otherwise noted.

Tanzania

GNI and GDP data and data calculated using GNI and GDP refer to mainland Tanzania only.

For more information, see World Development Indicators 2014 or data.worldbank.org.

Afghanistan

South Asia Low income

	Countr	y data	Low- income group
	2005	2012	2012
Economic and social context			
Population (millions)	25	30	846
Urban population (% of total)	22	24	28
GNI per capita, World Bank Atlas method (\$)	250	680	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.2	10.5	5.9
Adult literacy rate (% ages 15 and older)			61
Gross primary, secondary, tertiary school enrollment (%)	53	62	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	P	1
Mobile telephone service	Р	P	1
Internet service	Р	P	1
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)		C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0		5.0
Telecommunications investment (% of revenue)	37.8		
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.2	0.0	1.0
Mobile-cellular telephone subscriptions (per 100 people)	4.8	60.4	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	0.8	2.3	a 4.2
Households with Internet access at home (%)	0.8	1.9	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	28.8		70.1
Individuals using the Internet (%)	1.2	5.5	a 6.2
Quality			
Population covered by a mobile-cellular network (%)	72	85	
Fixed (wired)-broadband subscriptions (% of total Internet)	18.3	50.0	30.9
International Internet bandwidth (bit/s per Internet user)	13	1,229	9,141
Affordability			
Fixed-telephone sub-basket (\$ a month)		1.9	8.9
Mobile-cellular sub-basket (\$ a month)		9.7	11.9
Fixed-broadband sub-basket (\$ a month)		53.5	46.9
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)		0.2	
ICT service exports (% of total service exports)		51.6	
Applications			
Online service index (0-1, 1=highest presence)	0.20	0.24	0.20
Secure Internet servers (per million people)	0.0	1.0	1.1



Europe & Central Asia U	pper m		
	Countr		Upper middle- income
	2005	2012	group 2012
Economic and social context	2000	2012	2012
Population (millions)	3	3	2.391
Urban population (% of total)	47	54	61
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,540	4,030	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.3	4.4	6.2
Adult literacy rate (% ages 15 and older)	99	97	94
Gross primary, secondary, tertiary school enrollment (%)	66		76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Р	
Mobile telephone service	Р	P	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.1	4.3	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	6.1 11.2	4.3 28.4	
· · · · · ·			
Telecommunications investment (% of revenue)			
Telecommunications investment (% of revenue) Sector performance			18.2
Telecommunications investment (% of revenue) Sector performance Access	11.2	28.4	18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	8.7	9.9	19. ² 19. ² 92. ⁴
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	8.7 47.9	9.9 110.7	19.4 92.4 10.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	8.7 47.9 0.0	9.9 110.7 5.1	19. ² 92. ² 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	8.7 47.9 0.0 7.0	9.9 110.7 5.1 20.0	19. ² 92. ² 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	8.7 47.9 0.0 7.0	9.9 110.7 5.1 20.0	19.4 92.4 10.8 40.6 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	8.7 47.9 0.0 7.0 5.0	9.9 110.7 5.1 20.0 20.5	19.4 92.4 10.8 40.6 3 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	8.7 47.9 0.0 7.0 5.0	9.9 110.7 5.1 20.0 20.5	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	8.7 47.9 0.0 7.0 5.0 41.0 21.5	9.9 110.7 5.1 20.0 20.5	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	8.7 47.9 0.0 7.0 5.0 41.0 21.5	9.9 110.7 5.1 20.0 20.5	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0	9.9 110.7 5.1 20.0 20.5 21.1 54.7	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 99
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0	9.9 110.7 5.1 20.0 20.5 21.1 54.7	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 99.5.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0	9.9 110.7 5.1 20.0 20.5 21.1 54.7	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 99.5.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0	9.9 110.7 5.1 20.0 20.5 21.1 54.7	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0 91 25.0 62	9.9 110.7 5.1 20.0 20.5 21.1 54.7 99 91.8 17,358	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0 91 25.0 62	9.9 110.7 5.1 20.0 20.5 21.1 54.7 99 91.8 17,358	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0 91 25.0 62	9.9 110.7 5.1 20.0 20.5 21.1 54.7 99 91.8 17,358 7.5 25.9	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0 91 25.0 62	9.9 110.7 5.1 20.0 20.5 21.1 54.7 99 91.8 17,358 7.5 25.9	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 95.5 14,580 9.4 14.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0 91 25.0 62	9.9 110.7 5.1 20.0 20.5 21.1 54.7 99 91.8 17,358 7.5 25.9 11.9	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 99.5 14,580 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0 91 25.0 62	9.9 110.7 5.1 20.0 20.5 21.1 54.7 99 91.8 17,358 7.5 25.9 11.9 0.4	18.2 19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 9.5 14,580 14.5 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0 91 25.0 62 	9.9 110.7 5.1 20.0 20.5 21.1 54.7 99 91.8 17,358 7.5 25.9 11.9 0.4 3.0	18.2 19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 99. 95.5 14,580 17.8 17.6 14.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	8.7 47.9 0.0 7.0 5.0 41.0 21.5 6.0 91 25.0 62 	9.9 110.7 5.1 20.0 20.5 21.1 54.7 99 91.8 17,358 7.5 25.9 11.9 0.4 3.0	18.2 19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8

Algeria

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	per m	niddle i	ncome
Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-collular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-collular sub-basket (\$ a month) Fixed-collular sub-basket (\$ a month) Fixed-collular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			Upper middle-
Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Hobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	Countr	ry data	income
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	2005	2012	2012
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	34	38	2,391
GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-broadband sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	67	74	61
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-broadband sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	2,660	5,020	6,969
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	5.6	2.6	6.2
Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	73		94
Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	69	79	76
Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	Yes	Yes	
International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	Public	Public	
Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			
Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	Р	Р	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	Р	Р	
Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	С	С	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	Α	Α	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	3.7	2.9	2.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	36.0		18.2
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.6	8.3	19.4
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	40.2	97.9	92.4
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.4	2.9	10.8
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.1	24.2	a 40.6
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.2	19.4	a 36.3
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	8.1	6.8	1.3
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.4	191.1	
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	5.8	15.2	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	42		99
International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	71.1		0.5
Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	79	7,679	14,580
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)		,	,
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) **Trade** ICT goods exports (% of total goods exports)		6.4	9.4
Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)		14.1	14.9
Trade ICT goods exports (% of total goods exports)		14.1	
ICT goods exports (% of total goods exports)			
	0.0	0.0	17.6
	7.9	4.0	
ICT service exports (% of total service exports)	29.2	59.4	
Applications			_0
Online service index (0-1, 1=highest presence)	0.35	0.25	0.42
Secure Internet servers (per million people)	0.1	1.5	

American Samoa

East Asia & Pacific U	pper n	niddle i	ncome
			Upper middle- income
	Count	y data	group
	2005	2012	2012
Economic and social context			
Population (millions)	0.06	0.06	2,391
Urban population (% of total)	91	93	
GNI per capita, World Bank Atlas method (\$)			.,
GDP growth, 2000-05 and 2005-12 (avg. annual %)			
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			76
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.5 18.2
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	17.6	18.1	19.4
Mobile-cellular telephone subscriptions (per 100 people)	3.8	10.1	
Fixed (wired)-broadband subscriptions (per 100 people)			10.8
Households with a computer (%)			40.6
Households with Internet access at home (%)			36.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			1.3
Domestic mobile traffic (minutes/subscription/month)			284.4
Individuals using the Internet (%)			41.6
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)			
International Internet bandwidth (bit/s per Internet user)			14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)			9.4
Mobile-cellular sub-basket (\$ a month)			
Fixed-broadband sub-basket (\$ a month)			17.8
Trade			17.0
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			17.6 14.7
ICT service exports (% of total service exports)			20.1
Applications			29.1
Online service index (0-1, 1=highest presence)			0.42
Secure Internet servers (per million people)	69.1	36.4	
oconio internet servera (her minion heahie)	03.1	30.4	10.5

Andorra

High income

	Counti	ry data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.08	0.08	1,300
Urban population (% of total)	90	87	80
GNI per capita, World Bank Atlas method (\$)	31,310	43,110	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	7.1		1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	М	M	
Internet service		М	
Foreign ownership (not allowed, restricted, allowed)	No	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.6	2.7
Telecommunications investment (% of revenue)			17.6
Sector performance			
Access	43.6	48.9	43.6
Fixed-telephone subscriptions (per 100 people)	43.6 79.5		122.9
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.7	81.5 34.3	26.2
Households with a computer (%)		34.3	77.7
Households with Internet access at home (%)			75.5
Usage			13.3
Int'l. voice traffic, total (minutes/subscription/month)	112.6	80.2	
Domestic mobile traffic (minutes/subscription/month)	65.4	53.6	113.6
Individuals using the Internet (%)	37.6	86.4ª	
Quality			
Population covered by a mobile-cellular network (%)	91	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	99.4	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	13,750	38,388	85,990
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			
ICT goods exports (% of total goods exports)	18.8		8.9
ICT goods imports (% of total goods imports)	14.0		10.8
ICT service exports (% of total service exports)			30.8
Applications			
Online service index (0-1, 1=highest presence)	0.52	0.31	0.67
Secure Internet servers (per million people)	418.6	645.6	827.6

Angola

	pper m	iddle i	ncome
	Countr		Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	17	21	2,391
Urban population (% of total)	54	60	61
GNI per capita, World Bank Atlas method (\$)	1,270	4,580	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	10.1	9.4	6.2
Adult literacy rate (% ages 15 and older)	67	70	94
Gross primary, secondary, tertiary school enrollment (%)		73	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	М	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2		2.5
Felecommunications investment (% of revenue)	25.3		18.2
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.6	1.5	19.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.6 9.7	1.5 47.1	19.4 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.6 9.7 0.0	1.5 47.1 0.2	19.4 92.4 10.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.6 9.7 0.0 4.0	1.5 47.1 0.2 8.5	19.4 92.4 10.8 40.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.6 9.7 0.0	1.5 47.1 0.2	19.4 92.4 10.8 40.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.6 9.7 0.0 4.0	1.5 47.1 0.2 8.5	19.4 92.4 10.8 40.6 3 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.6 9.7 0.0 4.0 1.4 ^a	1.5 47.1 0.2 8.5 7.2	19.4 92.4 10.8 40.6 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.6 9.7 0.0 4.0 1.4 ^a	1.5 47.1 0.2 8.5 7.2	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.6 9.7 0.0 4.0 1.4 ^a	1.5 47.1 0.2 8.5; 7.2;	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.6 9.7 0.0 4.0 1.4 ^a	1.5 47.1 0.2 8.5; 7.2;	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.6 9.7 0.0 4.0 1.4 ^a 	1.5 47.1 0.2 8.5; 7.2;	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.6 9.7 0.0 4.0 1.4 ^a 	1.5 47.1 0.2 8.5 ⁶ 7.2 ⁶ 	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.6 9.7 0.0 4.0 1.4 ^a 1.1	1.5 47.1 0.2 8.5 ⁶ 7.2 ⁶ 16.9 ⁶	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.6 9.7 0.0 4.0 1.4 ^a 1.1	1.5 47.1 0.2 8.5 ⁶ 7.2 ⁶ 16.9 ⁶	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.6 9.7 0.0 4.0 1.4 ^a 1.1 40 0.0 359	1.5 47.1 0.2 8.5; 7.2; 16.9; 6.3	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.6 9.7 0.0 4.0 1.4 ^a 1.1 40 0.0 359	1.5 47.1 0.2 8.5 7.2 16.9 6.3 567	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.6 9.7 0.0 4.0 1.4 ^a 1.1 40 0.0 359	1.5 47.1 0.2 8.5 ⁵ 7.2 ² 16.9 ³ 6.3 567	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.6 9.7 0.0 4.0 1.4 ^a 1.1 40 0.0 359	1.5 47.1 0.2 8.5 ⁵ 7.2 ² 16.9 ³ 6.3 567	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.6 9.7 0.0 4.0 1.4 ^a 1.1 40 0.0 359	1.5 47.1 0.2 8.5 ⁶ 7.2 ⁶ 16.9 ⁶ 6.3 567 16.9 20.0 53.2	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-CT goods exports (% of total goods exports)	0.6 9.7 0.0 4.0 1.4 ^a 1.1 40 0.0 359	1.5 47.1 0.2 8.5 ⁵ 7.2 ⁵ 16.9 ⁶ 6.3 567 16.9 20.0 53.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	0.6 9.7 0.0 4.0 1.4 ^a 1.1 40 0.0 359	1.5 47.1 0.2 8.5 ⁱ 7.2 ⁱ 16.9 ⁱ 6.3 567 16.9 20.0 53.2	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) CT goods imports (% of total service exports)	0.6 9.7 0.0 4.0 1.4 ^a 1.1 40 0.0 359	1.5 47.1 0.2 8.5 ⁱ 7.2 ⁱ 16.9 ⁱ 6.3 567 16.9 20.0 53.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8

Antigua and Barbuda

High income

	Country	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.08	0.09	1,300
Urban population (% of total)	31	30	80
GNI per capita, World Bank Atlas method (\$)	12,000	12,480	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.9	-1.7	1.0
Adult literacy rate (% ages 15 and older)	99	99	
Gross primary, secondary, tertiary school enrollment (%)		82	93
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	Р	
Mobile telephone service	С	Р	
Internet service	С	Р	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance			
Access	440	27.0	40.0
Fixed-telephone subscriptions (per 100 people)	44.2	37.2	43.6
Mobile-cellular telephone subscriptions (per 100 people)	104.2 1.0a	143.0 4.6	122.9 26.2
Fixed (wired)-broadband subscriptions (per 100 people)		4.0 56.1ª	
Households with a computer (%) Households with Internet access at home (%)		48.2	
Usage		40.2	15.5
Int'l. voice traffic, total (minutes/subscription/month)		19.0	
Domestic mobile traffic (minutes/subscription/month)	••	138.9	113.6
Individuals using the Internet (%)	27.0a	59.0°	
Quality	21.0	55.0	10.4
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8	91.6	95.9
International Internet bandwidth (bit/s per Internet user)	24,896	97,620	
Affordability	21,000	0.,020	00,000
Fixed-telephone sub-basket (\$ a month)		12.8	25.2
Mobile-cellular sub-basket (\$ a month)		25.3	20.6
Fixed-broadband sub-basket (\$ a month)		54.9	29.2
Trade			
ICT goods exports (% of total goods exports)	4.6	11.6	8.9
ICT goods imports (% of total goods imports)	3.9	5.5	10.8
ICT service exports (% of total service exports)	9.6	6.5	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.31	0.67
Secure Internet servers (per million people)	859.9	688.9	827.6

Argentina

Latin America & Caribbean	Jpper m	iddle i	ncome	
			Upper	
	Countr	v data	middle- income	
	2005	2012	group 2012	
Economic and social context				
Population (millions)	39	41	2,391	
Urban population (% of total)	91	93	61	
GNI per capita, World Bank Atlas method (\$)	4,480		6,969	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.2	6.3	6.2	
Adult literacy rate (% ages 15 and older)	97	98	94	
Gross primary, secondary, tertiary school enrollment (%)	89	97		
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Private	Private		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)	Α	R		
Reg. treatment of VoIP (banned, closed, no framework, allowed		A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	3.1	2.9	2.5	
Telecommunications investment (% of revenue)		15.3		
(10.000)				
Sector performance Access				
Fixed-telephone subscriptions (per 100 people)	24.4	23.5	19.4	
Mobile-cellular telephone subscriptions (per 100 people)	57.3	151.9		
Fixed (wired)-broadband subscriptions (per 100 people)	2.4	10.9		
Households with a computer (%)	32.0	56.0		
Households with Internet access at home (%)	13.3ª	47.5		
Usage	10.0		00.0	
Int'l. voice traffic, total (minutes/subscription/month)			1.3	
Domestic mobile traffic (minutes/subscription/month)		19.6		
Individuals using the Internet (%)	17.7	55.8		
Quality	11.1	55.0	71.0	
Population covered by a mobile-cellular network (%)	94		99	
Fixed (wired)-broadband subscriptions (% of total Internet)	38.3	92.2		
International Internet bandwidth (bit/s per Internet user)	1,788	21,983		
Affordability	1,700	21,303	14,560	
-		4.5	9.4	
Fixed-telephone sub-basket (\$ a month)				
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	••	39.4 24.3		
Trade	••	24.3	11.8	
	0.2	0.1	17.0	
ICT goods exports (% of total goods exports)	0.2	0.1		
ICT goods imports (% of total goods imports)	11.6	8.3		
ICT service exports (% of total service exports)	31.1	46.0	29.1	
Applications	0.50	0.50		
Online service index (0-1, 1=highest presence)	0.58	0.53	0.42	

18.5

10.8

42.9

Secure Internet servers (per million people)

Armenia

Europe & Central Asia Lo	ower m	iddle i	ncome
			Lower
	Country		middle- income
-	2005		group 2012
Economic and social context			
Population (millions)	3	3	2,507
Urban population (% of total)	64	64	39
GNI per capita, World Bank Atlas method (\$)	1,500	3,720	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	12.3	2.8	6.0
Adult literacy rate (% ages 15 and older)	99	100	71
Gross primary, secondary, tertiary school enrollment (%)	73	78	64
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	А	
Sector efficiency and capacity			
	3.0	4.2	2.5
refecommunications revenue (% of GDP)	3.0	4.2	۷.٠
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	23.6	19.7	
Telecommunications investment (% of revenue) Sector performance Access	23.6	19.7	20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	23.6	19.7	20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	23.6 19.7 10.5	19.7 19.7 111.9	20.5 5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	23.6 19.7 10.5 0.1	19.7 19.7 111.9 6.7	5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	23.6 19.7 10.5 0.1 5.5 ^a	19.7 19.7 111.9 6.7 34.0	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	23.6 19.7 10.5 0.1	19.7 19.7 111.9 6.7	5. ² 83.1 1. ² 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	23.6 19.7 10.5 0.1 5.5 ^a	19.7 19.7 111.9 6.7 34.0	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	19.7 10.5 0.1 5.5 ^a 2.9 ^a	19.7 19.7 111.9 6.7 34.0 25.4	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	19.7 10.5 0.1 5.5 ^a 2.9 ^a	19.7 19.7 111.9 6.7 34.0 25.4	5.4 83.1 1.4 15.0 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	23.6 19.7 10.5 0.1 5.5° 2.9° 	19.7 19.7 111.9 6.7 34.0 25.4 20.5 171.7	5.4 83.1 1.4 15.0 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	23.6 19.7 10.5 0.1 5.5° 2.9° 	19.7 19.7 111.9 6.7 34.0 25.4 20.5 171.7	20.8 5.4 83.1 1.4 15.0 6.8 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	19.7 10.5 0.1 5.5a 2.9a 58.0 5.3	19.7 19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2	20.8 5.4 83.1 1.4 15.0 6.8 18.3 18.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	19.7 10.5 0.1 5.5a 2.9a 58.0 5.3	19.7 19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2	5.4 83.1 1.4 15.0 6.8 18.7 86 58.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	19.7 10.5 0.1 5.5 ^a 2.9 ^a 58.0 5.3	19.7 19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2 100 95.5	5.4 83.1 1.4 15.0 6.8 18.7 86 58.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	19.7 10.5 0.1 5.5 ^a 2.9 ^a 58.0 5.3	19.7 19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2 100 95.5	20.5 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	23.6 19.7 10.5 0.1 5.5a 2.9a 58.0 5.3 85 1.1 459	19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2 100 95.5 40,373	20.5 83.1 1.2 83.1 15.0 6.5 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	23.6 19.7 10.5 0.1 5.5a 2.9a 58.0 5.3 85 1.1 459	19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2 100 95.5 40,373	20.5 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	23.6 19.7 10.5 0.1 5.5a 2.9a 58.0 5.3 85 1.1 459	19.7 111.9 6.7 34.00 25.4 20.5 171.7 39.2 100 95.5 40,373 3.0 8.8	20.5 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	23.6 19.7 10.5 0.1 5.5a 2.9a 58.0 5.3 85 1.1 459	19.7 111.9 6.7 34.00 25.4 20.5 171.7 39.2 100 95.5 40,373 3.0 8.8	20.8 5.4 83.1 1.4 15.0 6.8 18.7 80 58.2 8,070 4.9 10.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	23.6 19.7 10.5 0.1 5.5a 2.9a 58.0 5.3 85 1.1 459	19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2 100 95.5 40,373 3.0 8.8 12.1	20.8 83.1 1.4 15.0 6.8 18.1 80 58.2 8,070 4.9 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	23.6 19.7 10.5 0.1 5.5a 2.9a 58.0 5.3 85 1.1 459 0.3	19.7 19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2 100 95.5 40,373 3.0 8.8 12.1	20.5 5.4 83.1 1.4 15.0 12.4 6.5 8.0 10.5 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	23.6 19.7 10.5 0.1 5.5a 2.9a 58.0 5.3 85 1.1 459 0.3 3.6	19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2 100 95.5 40,373 3.0 8.8 12.1 1.3 3.7	20.5 5.4 83.1 1.4 6.5 12.4 6.5 8,076 4.9 10.5 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	23.6 19.7 10.5 0.1 5.5a 2.9a 58.0 5.3 85 1.1 459 0.3 3.6	19.7 111.9 6.7 34.0 25.4 20.5 171.7 39.2 100 95.5 40,373 3.0 8.8 12.1 1.3 3.7	20.5 5.4 83.1 1.4 15.0 12.4 6.5



High income

	Country data		High- income
-	2005	2012	group 2012
Economic and social context			
Population (millions)	0.10	0.10	1,300
Urban population (% of total)	47	47	80
GNI per capita, World Bank Atlas method (\$)			38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.0	-3.9	1.0
Adult literacy rate (% ages 15 and older)	97	97	
Gross primary, secondary, tertiary school enrollment (%)	84	84	93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	53.0	5.6	2.7
Telecommunications investment (% of revenue)	1.2	15.8	17.6
Sector performance			
Access	20.0	25.03	40.0
Fixed-telephone subscriptions (per 100 people)	38.2	35.2	
Mobile-cellular telephone subscriptions (per 100 people)	103.4	131.9ª	
Fixed (wired)-broadband subscriptions (per 100 people)	12.3	18.9	26.2
Households with a computer (%)	45.0	73.1°	
Households with Internet access at home (%)	36.7	69.6ª	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)	25.4a	74.0 ^a	75.4
Quality			
Population covered by a mobile-cellular network (%)	90	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.9
International Internet bandwidth (bit/s per Internet user)	7,084	67,578	85,990
Affordability			
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			
ICT goods exports (% of total goods exports)		0.7	8.9
ICT goods imports (% of total goods imports)		4.4	10.8
ICT service exports (% of total service exports) Applications	10.2	13.9	30.8
••			0.67
Online service index (0–1, 1=highest presence)		201.0	
Secure Internet servers (per million people)	289.9	281.6	827.6

Australia

High income

	Country data		High- income group	
	2005	2012	2012	
Economic and social context				
Population (millions)	20	23	1,300	
Urban population (% of total)	88	89	80	
GNI per capita, World Bank Atlas method (\$)	30,280	59,260	38,412	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.4	2.8	1.0	
Adult literacy rate (% ages 15 and older)				
Gross primary, secondary, tertiary school enrollment (%)	112	112	93	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	С	С		
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	Α		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	3.8	2.9	2.7	
Telecommunications investment (% of revenue)	16.7	20.5	17.6	
Sector performance Access				
Fixed-telephone subscriptions (per 100 people)	49.3	45.4	43.6	
Mobile-cellular telephone subscriptions (per 100 people)	89.8	105.6	122.9	
Fixed (wired)-broadband subscriptions (per 100 people)	9.8	24.3	26.2	
Households with a computer (%)	67.0	85.2ª		
Households with Internet access at home (%)	56.0	81.4ª		
Usage	30.0	01.4	10.0	
Int'l. voice traffic, total (minutes/subscription/month)				
Domestic mobile traffic (minutes/subscription/month)			113.6	
Individuals using the Internet (%)	63.0	82.3ª		
Quality	00.0	02.0		
Population covered by a mobile-cellular network (%)	98	99	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	33.7	92.9	95.9	
International Internet bandwidth (bit/s per Internet user)	7,794		85,990	
Affordability				
Fixed-telephone sub-basket (\$ a month)		33.0	25.2	
Mobile-cellular sub-basket (\$ a month)		20.3	20.6	
Fixed-broadband sub-basket (\$ a month)		61.9	29.2	
Trade				
ICT goods exports (% of total goods exports)	1.7	0.9	8.9	
ICT goods imports (% of total goods imports)	11.8	8.9	10.8	
ICT service exports (% of total service exports)	16.0	18.6	30.8	
Applications				
Online service index (0-1, 1=highest presence)	0.81	0.86	0.67	
Secure Internet servers (per million people)	498.1	1,265.3	827.6	

Austria

	Count	ry data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	8	8	1,300
Urban population (% of total)	67	68	80
GNI per capita, World Bank Atlas method (\$)	37,210	47,850	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.7	1.1	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	88	94	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.4	2.7
Telecommunications investment (% of revenue)	12.7	12.5	17.6
Sector performance			
Access	45.4	39.7	43.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	105.2	160.5	
Fixed (wired)-broadband subscriptions (per 100 people)	14.2	25.0	
Households with a computer (%)	63.1	81.0	
Households with Internet access at home (%)	46.7	79.0	
Usage	40.7	19.0	15.5
Int'l. voice traffic, total (minutes/subscription/month)	16.1		
Domestic mobile traffic (minutes/subscription/month)	10.1	140.0	113.6
Individuals using the Internet (%)	58.0	81.0	
Quality	36.0	61.0	15.4
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	66.3	85.4	
International Internet bandwidth (bit/s per Internet user)	11,430	108,084	
Affordability	11,430	100,004	65,990
Fixed-telephone sub-basket (\$ a month)		27.8	25.2
Mobile-cellular sub-basket (\$ a month)		14.7	
Fixed-broadband sub-basket (\$ a month)		41.6	
Trade		41.0	23.2
ICT goods exports (% of total goods exports)	5.5	3.9	8.9
ICT goods imports (% of total goods imports)	7.7	5.1	
ICT service exports (% of total service exports)	24.8	30.7	
Applications	24.0	30.7	30.6
Online service index (0-1, 1=highest presence)	0.74	0.75	0.67
Secure Internet servers (per million people)	231.7	1.079.2	
oceano internet servers (her million heahie)	231.1	1,013.2	021.0

Azerbaijan

Europe & Central Asia U	pper m	iddle ii	ncome
			Upper middle-
	Countr		income group
•	2005	2012	2012
Economic and social context			
Population (millions)	8	9	2,391
Urban population (% of total)	52	54	61
GNI per capita, World Bank Atlas method (\$)	1,270	6,220	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	12.7	10.8	6.2
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	72	71	76
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	2.5	2.5
Telecommunications investment (% of revenue)	6.8	24.7	18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.8	18.5	
Sector performance Access	12.8 26.2	18.5 108.8	19.4
Sector performance Access Fixed-telephone subscriptions (per 100 people)			19. ⁴ 92. ⁴
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	26.2	108.8	19. ² 92. ² 10.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	26.2	108.8 14.1	19. ² 92. ² 10.8 40.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	26.2 0.0 7.3 6.3	108.8 14.1 45.0 46.8	19.4 92.4 10.8 40.6 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	26.2 0.0 7.3 6.3	108.8 14.1 45.0 46.8	19.4 92.4 10.8 40.6 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	26.2 0.0 7.3 6.3 7.6 3.1	108.8 14.1 45.0 46.8 6.4 179.7	19.4 92.4 10.8 40.6 3 36.3 1.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	26.2 0.0 7.3 6.3	108.8 14.1 45.0 46.8	19.4 92.4 10.8 40.6 3 36.3 1.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	26.2 0.0 7.3 6.3 7.6 3.1 8.0	108.8 14.1 45.0 46.8 6.4 179.7 54.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	26.2 0.0 7.3 6.3 7.6 3.1 8.0	108.8 14.1 45.0 46.8 6.4 179.7 54.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Unt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	26.2 0.0 7.3 6.3 7.6 3.1 8.0	108.8 14.1 45.0 46.8 6.4 179.7 54.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99	108.8 14.1 45.0 46.8 6.4 179.7 54.2 100 77.3 40,591	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591 2.5 10.4	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591 2.5 10.4 12.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99.5 14,580 9.4 14.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436 	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591 2.5 10.4 12.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 14.5 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436 	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591 2.5 10.4 12.7 0.0 3.3	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 95.8 14,580 9.4 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436 	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591 2.5 10.4 12.7	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 95.5 14,580 9.4 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436 	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591 2.5 10.4 12.7 0.0 3.3 15.0	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.8 14,580 9.4 14.9 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	26.2 0.0 7.3 6.3 7.6 3.1 8.0 99 3.0 436 	108.8 14.1 45.0° 46.8° 6.4 179.7 54.2° 100 77.3 40,591 2.5 10.4 12.7 0.0 3.3	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4

Bahamas, The

	Countr	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.33	0.37	1,300
Urban population (% of total)	83	84	80
GNI per capita, World Bank Atlas method (\$)	23,680	20,600	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.3	-0.3	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	M	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.4	36.3	43.6
Mobile-cellular telephone subscriptions (per 100 people)	69.2	80.7	
Fixed (wired)-broadband subscriptions (per 100 people)	4.1	4.2	
Households with a computer (%)			77.7
Households with Internet access at home (%)			75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			 113.6
Domestic mobile traffic (minutes/subscription/month)	 25 0a	71 72	
Individuals using the Internet (%) Quality	25.0ª	71.7	15.4
Population covered by a mobile-cellular network (%)	95	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	100.0	95.9
International Internet bandwidth (bit/s per Internet user)	1,094	3,747	
Affordability	1,034	3,141	05,550
Fixed-telephone sub-basket (\$ a month)		16.3	25.2
Mobile-cellular sub-basket (\$ a month)		17.5	20.6
Fixed-broadband sub-basket (\$ a month)		30.0	29.2
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	8.9
ICT goods imports (% of total goods imports)	3.2	3.9	10.8
ICT service exports (% of total service exports)			30.8
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.47	0.67
Secure Internet servers (per million people)	148.9	267.9	827.6

Bahrain

	Counti	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.88	1	1,300
Urban population (% of total)	88	89	80
GNI per capita, World Bank Atlas method (\$)	16,730	19,560	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.1	4.8	1.0
Adult literacy rate (% ages 15 and older)	87	95	
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	P	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.6	2.7
Telecommunications investment (% of revenue)	14.9	13.0	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	22.0	22.7	43.6
Mobile-cellular telephone subscriptions (per 100 people)	87.2	161.2	
Fixed (wired)-broadband subscriptions (per 100 people)	2.4	13.2	26.2
Households with a computer (%)	44.0	92.7	77.7
Households with Internet access at home (%)	32.0	79.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		100.6	
Domestic mobile traffic (minutes/subscription/month)	117.3	227.6	113.6
Individuals using the Internet (%)	21.3	88.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	100	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	42.6	100.0	
International Internet bandwidth (bit/s per Internet user) Affordability	2,183	18,108	85,990
Fixed-telephone sub-basket (\$ a month)		4.8	25.2
Mobile-cellular sub-basket (\$ a month)		15.0	20.6
Fixed-broadband sub-basket (\$ a month)		26.6	29.2
Trade			
ICT goods exports (% of total goods exports)	0.1	0.6	8.9
ICT goods imports (% of total goods imports)	2.1	3.3	10.8
ICT service exports (% of total service exports)	25.1	22.8	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.86	0.67
Secure Internet servers (per million people)	39.8	141.9	827.6

Bangladesh

South Asia Low income

	Country	y data	Low- income group
_	2005	2012	2012
Economic and social context			
Population (millions)	143	155	846
Urban population (% of total)	26	29	28
GNI per capita, World Bank Atlas method (\$)	470	840	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.4	6.2	5.9
Adult literacy rate (% ages 15 and older)	47	58	61
Gross primary, secondary, tertiary school enrollment (%)	51	59	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	С	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	7.5	5.0
Telecommunications investment (% of revenue)		8.8	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.7	0.6	1.0
Mobile-cellular telephone subscriptions (per 100 people)	6.3	62.8	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.4	0.2
Households with a computer (%)	1.4	4.8	4.2
Households with Internet access at home (%)	0.2	3.2	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		21.3	
Domestic mobile traffic (minutes/subscription/month)		96.2	
Individuals using the Internet (%)	0.2a	6.3	6.2
Quality			
Population covered by a mobile-cellular network (%)	80	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	25.8	30.9
International Internet bandwidth (bit/s per Internet user)	173	3,032	9,141
Affordability		-,	-,
Fixed-telephone sub-basket (\$ a month)		2.6	8.9
Mobile-cellular sub-basket (\$ a month)		1.6	
Fixed-broadband sub-basket (\$ a month)		4.7	46.9
Trade			
ICT goods exports (% of total goods exports)	0.1		
ICT goods imports (% of total goods imports)	6.2		
ICT service exports (% of total service exports)	18.2	26.7	
Applications			
Applications Online service index (0–1, 1=highest presence)	0.29	0.44	0.20

Barbados

	Country	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.27	0.28	1,300
Urban population (% of total)	41	45	80
GNI per capita, World Bank Atlas method (\$)	13,640	15,080	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.2	0.1	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	94	96	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р		
Mobile telephone service	С	Р	
Internet service	C		
Foreign ownership (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6		2.7
Telecommunications investment (% of revenue)	14.0		17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	49.3	50.8	43.6
Mobile-cellular telephone subscriptions (per 100 people)	75.4	122.5	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	11.7	23.1	26.2
Households with a computer (%)	42.6a	69.2	77.7
Households with Internet access at home (%)	37.2a	62.9	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)	52.5a	73.3	75.4
Quality	400	00	400
Population covered by a mobile-cellular network (%)	100	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.2	94.0	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	3,481	67,410	85,990
Fixed-telephone sub-basket (\$ a month)		22.0	25.2
Mobile-cellular sub-basket (\$ a month)		24.6	20.6
Fixed-broadband sub-basket (\$ a month)		45.2	29.2
Trade			
ICT goods exports (% of total goods exports)	4.9	0.8	8.9
ICT goods imports (% of total goods imports)	7.8	4.4	10.8
ICT service exports (% of total service exports)	15.3	25.9	30.8
Applications	0.57	0.07	0.67
Online service index (0-1, 1=highest presence)	0.57 204.7	0.37 340.4	0.67 827.6
Secure Internet servers (per million people)	204.1	340.4	021.0

Belarus

Europe & Central Asia	Upper m	niddle i	ncome
	Countr	v data	Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	10	9	2,391
Urban population (% of total)	72	75	61
GNI per capita, World Bank Atlas method (\$)	2,810	6,530	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	7.6	6.1	6.2
Adult literacy rate (% ages 15 and older)		100	94
Gross primary, secondary, tertiary school enrollment (%)		100	76
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.3	1.7	2.5
Telecommunications investment (% of revenue)	41.3	26.8	18.2
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	34.0	46.9	19.4
Mobile-cellular telephone subscriptions (per 100 people)	42.4	113.5	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	26.9	10.8
Households with a computer (%)	9.6	51.7	40.6
Households with Internet access at home (%)	7.0	48.3	36.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.6	5.6	
Domestic mobile traffic (minutes/subscription/month)	116.2	202.6	
Individuals using the Internet (%)	19.7	46.9	41.6
Quality			
Population covered by a mobile-cellular network (%)	90	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	4.2	96.1	
International Internet bandwidth (bit/s per Internet user)	1,356	79,337	14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)		1.4	
Mobile-cellular sub-basket (\$ a month)		8.4	
Fixed-broadband sub-basket (\$ a month) Trade		11.9	17.8
ICT goods exports (% of total goods exports)	1.0	0.6	17.6
ICT goods imports (% of total goods imports)	2.4	2.4	
ICT service exports (% of total service exports)	15.0	18.0	
Applications	20.0	10.0	
Online service index (0-1, 1=highest presence)	0.52	0.41	0.42
Secure Internet servers (per million people)	0.5	26.4	
(por minion people)	0.0	20.7	10.0

Belgium

	Countr	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	10	11	1,300
Urban population (% of total)	97	98	80
GNI per capita, World Bank Atlas method (\$)	36,610	44,720	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.6	0.9	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	93	95	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	1.6	2.7
Telecommunications investment (% of revenue)	11.6	20.4	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	45.6	41.9	43.6
Mobile-cellular telephone subscriptions (per 100 people)	91.4	111.3	
Fixed (wired)-broadband subscriptions (per 100 people)	19.1	33.3	
Households with a computer (%)	57.0	80.0	
Households with Internet access at home (%)	50.2	78.0	75.5
Usage	00.2	. 0.0	
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	70.2	92.5	113.6
Individuals using the Internet (%)	55.8a		
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	88.1	99.7	95.9
International Internet bandwidth (bit/s per Internet user)	20,038		85,990
Affordability		20.4	05.0
Fixed-telephone sub-basket (\$ a month)		36.1	25.2
Mobile-cellular sub-basket (\$ a month)		39.7	20.6
Fixed-broadband sub-basket (\$ a month) Trade		34.7	29.2
ICT goods exports (% of total goods exports)	3.9	2.1	8.9
ICT goods imports (% of total goods imports)	4.6	3.1	10.8
ICT service exports (% of total service exports)	34.5	43.1	30.8
Applications	54.5	45.1	30.0
Online service index (0-1, 1=highest presence)	0.68	0.65	0.67
Secure Internet servers (per million people)	117.9	749.3	827.6
Sasara mermatana (bar minian baabia)	111.0	1 10.0	021.0

Belize

	pper m	iddle i	ncome
			Upper middle- income
-	Countr	y data	group
	2005	2012	2012
Economic and social context			
Population (millions)	0.27	0.32	,
Urban population (% of total)	46	45	
GNI per capita, World Bank Atlas method (\$)	4,770	4,490	,
GDP growth, 2000–05 and 2005–12 (avg. annual %)	5.7	2.8	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	 79	82	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	М	С	
Internet service	М	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7	4.8	
Telecommunications investment (% of revenue)	23.8	19.4	18.2
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	12.4	7.8	19.4
Mobile-cellular telephone subscriptions (per 100 people)	35.3	53.2	
Fixed (wired)-broadband subscriptions (per 100 people)	1.8	3.1	
Households with a computer (%)			
Households with Internet access at home (%)			36.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		34.3	1.3
Domestic mobile traffic (minutes/subscription/month)	15.3		284.4
Individuals using the Internet (%)	9.2	25.0	a 41.6
Quality			
Population covered by a mobile-cellular network (%)			99
Fixed (wired)-broadband subscriptions (% of total Internet)	73.5	71.7	95.5
International Internet bandwidth (bit/s per Internet user)	5,390	34,562	14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)		19.2	
·		31.3	
Mobile-cellular sub-basket (\$ a month)		E0 0	17.8
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)		50.0	
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade			4
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.0	0.5	
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.0 5.9	0.5 3.6	14.
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	0.0	0.5	14.7
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications	0.0 5.9 12.3	0.5 3.6 11.0	14.7 29.1
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) Secure Internet servers (per million people)	0.0 5.9	0.5 3.6	14.7 29.1 0.42

Benin

Sub-Saharan Africa Low income

	Country	v doto	Low- income
-	Country 2005	2012	group 2012
Economic and social context			
Population (millions)	8	10	846
Urban population (% of total)	41	46	
GNI per capita, World Bank Atlas method (\$)	530	750	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.0	3.8	
Adult literacy rate (% ages 15 and older)	29		0.4
Gross primary, secondary, tertiary school enrollment (%)	54	68	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	С	С	
Internet service		P	
Foreign ownership (not allowed, restricted, allowed)		Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	6.3	
Telecommunications investment (% of revenue)	35.0	32.2	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.9	1.6	1.0
Mobile-cellular telephone subscriptions (per 100 people)	7.3	83.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	1.6a	4.2	a 4.2
Households with Internet access at home (%)	0.0a	2.4	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		6.4	
Domestic mobile traffic (minutes/subscription/month)		30.9	70.1
Individuals using the Internet (%)	1.3	3.8	a 6.2
Quality			
Population covered by a mobile-cellular network (%)	43	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	2.9	11.9	30.9
International Internet bandwidth (bit/s per Internet user) Affordability	452	3,249	9,141
Fixed-telephone sub-basket (\$ a month)		13.4	8.9
Mobile-cellular sub-basket (\$ a month)		14.4	
Fixed-broadband sub-basket (\$ a month)		53.0	
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	
ICT goods imports (% of total goods imports)	2.9	1.3	
ICT service exports (% of total service exports)	20.1	21.1	
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.20	0.20
Secure Internet servers (per million people)	0.1	1.1	
Table 1 miles (por miles poople)	0.1		1.1

Bermuda

	Counti	y data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.06	0.06	1,300
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)	117,640	104,590	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.3	-1.2	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	71	68	93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9		2.7
Telecommunications investment (% of revenue)	11.3		17.6
Sector performance			
Access	81.8	105.8	43.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	82.2	139.5	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	28.8	61.7	26.2
Households with a computer (%)	67.9	97.2	
Households with Internet access at home (%)	62.8a		
Usage	02.0	95.0	15.5
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	194.8		113.6
Individuals using the Internet (%)	65.4	91.3	
Quality	03.4	91.5	13.4
Population covered by a mobile-cellular network (%)	98		100
Fixed (wired)-broadband subscriptions (% of total Internet)	59.8		95.9
International Internet bandwidth (bit/s per Internet user)	10,554		85,990
Affordability	10,554		05,550
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)		••	20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			23.2
ICT goods exports (% of total goods exports)		6.6	8.9
ICT goods exports (% of total goods imports)		3.6	10.8
ICT service exports (% of total service exports)	37.2	40.4	30.8
Applications	31.2	40.4	30.0
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	1.699.0	5,015.0	827.6
occare internet servers (her million heahie)	1,000.0	5,015.0	021.0

Bhutan

	Lower in	ilaale i	ncome
			Lower middle-
	Countr	y data	income
	2005	2012	2012
Economic and social context			
Population (millions)	0.65	0.74	2,507
Urban population (% of total)	31	36	39
GNI per capita, World Bank Atlas method (\$)	1,230	2,420	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	7.9	9.3	6.0
Adult literacy rate (% ages 15 and older)	53		71
Gross primary, secondary, tertiary school enrollment (%)	54	69	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	M	С	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	2.8	2.5
Telecommunications investment (% of revenue)	81.1	35.1	20.5
·	81.1 5.1		
Telecommunications investment (% of revenue) Sector performance Access		35.1	5.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	5.1	35.1	5. ² 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	5.1 5.5	35.1 3.6 75.6	5. ² 83.1 1. ²
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	5.1 5.5 0.0	35.1 3.6 75.6 2.3	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	5.1 5.5 0.0 2.6	35.1 3.6 75.6 2.3 16.4	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	5.1 5.5 0.0 2.6	35.1 3.6 75.6 2.3 16.4 11.6	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	5.1 5.5 0.0 2.6 1.2	35.1 3.6 75.6 2.3 16.4 11.6 21.3	5.4 83.1 1.4 15.0 12.4 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	5.1 5.5 0.0 2.6 1.2	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6	5.4 83.1 1.4 15.0 12.4 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	5.1 5.5 0.0 2.6 1.2	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6	5.4 83.1 1.4 15.0 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	5.1 5.5 0.0 2.6 1.2 56.1 3.8	3.6.4 75.6 2.3 16.4 11.6 21.3 44.6 25.4	5.4 83.1 1.4 15.0 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	5.1 5.5 0.0 2.6 1.2 56.1 3.8	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4	5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	5.1 5.5 0.0 2.6 1.2 56.1 3.8	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4	5.4 83.1 1.5.0 12.4 6.5 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	5.1 5.5 0.0 2.6 1.2 56.1 3.8 5 0.0 240	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4 100 98.1 3,286	5.4 83.1 1.2 15.0 12.4 6.5 3 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	5.1 5.5 0.0 2.6 1.2 56.1 3.8 5 0.0 240	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4 100 98.1 3,286	5.4 83.1 1.2 15.0 12.4 6.5 8.0 58.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	5.1 5.5 0.0 2.6 1.2 56.1 3.8 5 0.0 240	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4 100 98.1 3,286 1.7 3.5	5.4 83.1 1.2 15.0 12.4 6.5 8.0 58.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	5.1 5.5 0.0 2.6 1.2 56.1 3.8 5 0.0 240	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4 100 98.1 3,286 1.7 3.5	5.4 83.1 1.2 15.0 12.4 6.5 3 18.7 86 58.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	5.1 5.5 0.0 2.6 1.2 56.1 3.8 5 0.0 240	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4 100 98.1 3,286 1.7 3.5 10.7	5.4 83.1 1.2 15.0 12.4 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	5.1 5.5 0.0 2.6 1.2 56.1 3.8 5 0.0 240	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4 100 98.1 3,286 1.7 3.5 10.7	5.4 83.1 1.2 15.0 12.4 6.5 58.2 8,076 4.9 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	5.1 5.5 0.0 2.6 1.2 56.1 3.8 5 0.0 240 	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4 100 98.1 3,286 1.7 3.5 10.7	5.4 83.1 1.4 15.0 12.4 6.5 58.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	5.1 5.5 0.0 2.6 1.2 56.1 3.8 5 0.0 240 	35.1 3.6 75.6 2.3 16.4 11.6 21.3 44.6 25.4 100 98.1 3,286 1.7 3.5 10.7	5.4 83.1 1.4 15.0 12.4 6.5

Bolivia

Latin America & Caribbean L	ower m	ower middle incon		
	Countr	Country data		
	2005	2012	group 2012	
Economic and social context				
Population (millions)	9	10	2,507	
Urban population (% of total)	64	67	,	
GNI per capita, World Bank Atlas method (\$)	1,000	2,220		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.1	4.7	6.0	
Adult literacy rate (% ages 15 and older)	91	91	71	
Gross primary, secondary, tertiary school enrollment (%)	79		64	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Private	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service	С	C	:	
Internet service	С	C	:	
Foreign ownership (not allowed, restricted, allowed)	R	No		
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	А		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	5.6	4.8	2.5	
Telecommunications investment (% of revenue)	3.8	21.1	20.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	6.9	8.4	5.4	
Mobile-cellular telephone subscriptions (per 100 people)	25.9	90.4		
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	1.1		
Households with a computer (%)	12.1	25.9		
Households with Internet access at home (%)	3.5	10.0		
Usage	5.5	10.0	12.7	
Int'l. voice traffic, total (minutes/subscription/month)		5.8	6.5	
Domestic mobile traffic (minutes/subscription/month)	20.8	33.4		
Individuals using the Internet (%)	5.2	34.2		
Quality	0.2	02	10	
Population covered by a mobile-cellular network (%)	46	95	86	
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	81.1		
International Internet bandwidth (bit/s per Internet user)	814	5,176		
Affordability		-,	-,	
Fixed-telephone sub-basket (\$ a month)		24.0	4.9	
Mobile-cellular sub-basket (\$ a month)		11.8		
Fixed-broadband sub-basket (\$ a month)		24.5		
Trade				
ICT goods exports (% of total goods exports)	0.0	0.0	4.6	
ICT goods imports (% of total goods imports)	3.9	3.2		
ICT service exports (% of total service exports)	6.6	11.8	47.1	
Applications				
Online service index (0-1, 1=highest presence)	0.49	0.41	0.32	
Secure Internet servers (per million people)	2.4	8.9		
,				

Bosnia and Herzegovina

Europe & Central Asia	Upper m	per middle incom		
	Countr	Country data 2005 2012		
Economic and social context	2005	2012	2012	
Population (millions)	4	4	2,391	
Urban population (% of total)	45	49	,	
GNI per capita, World Bank Atlas method (\$)	2,940	4,750		
GDP growth, 2000–05 and 2005–12 (avg. annual %)	5.0	2.1	,	
Adult literacy rate (% ages 15 and older)	97	98		
Gross primary, secondary, tertiary school enrollment (%)			76	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service	Р	P		
Internet service	С	C		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	6.1	4.7		
Telecommunications investment (% of revenue)	36.5	22.7	18.2	
Sector performance				
Access				
Fixed-telephone subscriptions (per 100 people)	25.0	23.1	19.4	
Mobile-cellular telephone subscriptions (per 100 people)	41.1	87.6	92.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.4	10.6		
Households with a computer (%)	20.0	39.8	a 40.6	
Households with Internet access at home (%)	6.2a	39.7	a 36.3	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)		20.4	1.3	
Domestic mobile traffic (minutes/subscription/month)	36.3	59.2		
Individuals using the Internet (%)	21.3	65.4	a 41.6	
Quality				
Population covered by a mobile-cellular network (%)	97	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6	83.3		
International Internet bandwidth (bit/s per Internet user) Affordability	187	23,945	14,580	
Fixed-telephone sub-basket (\$ a month)		10.4	9.4	
Mobile-cellular sub-basket (\$ a month)		15.4	14.9	
Fixed-broadband sub-basket (\$ a month)		8.3	17.8	
Trade				
ICT goods exports (% of total goods exports)	0.3	0.2	17.6	
ICT goods imports (% of total goods imports)	4.2	2.7	14.7	
ICT service exports (% of total service exports)	18.1	5.5	29.1	
Applications				
Online service index (0-1, 1=highest presence)	0.45	0.37	0.42	
Secure Internet servers (per million people)	3.4	24.0	18.5	

Botswana

Sub-Saharan Africa	Upper m	iddle i	ncome
	Countr	y data	Upper middle- income group
	2005	2012	2012
Economic and social context			
Population (millions)	2	2	2,391
Urban population (% of total)	57	62	61
GNI per capita, World Bank Atlas method (\$)	4,730	7,650	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.9	3.7	6.2
Adult literacy rate (% ages 15 and older)	81	85	94
Gross primary, secondary, tertiary school enrollment (%)	71		76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	Р	
Mobile telephone service	С	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	4.2	2.5
Telecommunications investment (% of revenue)	48.9	14.4	18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.3	8.0	19.4
Mobile-cellular telephone subscriptions (per 100 people)	30.1	153.8	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	0.9	10.8
Households with a computer (%)	6.5a	12.3	a 40.6
Households with Internet access at home (%) Usage	0.1a	9.1	a 36.3
Int'l. voice traffic, total (minutes/subscription/month)			1.3
Domestic mobile traffic (minutes/subscription/month)	45.5	56.4	
Individuals using the Internet (%)	3.3a	11.5	
Quality	0.0	11.5	71.0
Population covered by a mobile-cellular network (%)	99	96	99
Fixed (wired)-broadband subscriptions (% of total Internet)		100.0	
International Internet bandwidth (bit/s per Internet user)	490	6,509	
Affordability	100	0,000	11,000
Fixed-telephone sub-basket (\$ a month)		17.9	9.4
Mobile-cellular sub-basket (\$ a month)		13.0	
Fixed-broadband sub-basket (\$ a month)		57.3	
Trade		01.0	11.0
ICT goods exports (% of total goods exports)	0.2	0.2	17.6
ICT goods imports (% of total goods imports)	4.7	2.4	
ICT service exports (% of total service exports)	12.8	40.9	
Applications	12.0	+0.3	20.1
Online service index (0-1, 1=highest presence)	0.36	0.36	0.42
Secure Internet servers (per million people)	1.6	10.4	
Cooks manufactor (por million people)	1.0	10.4	10.0

Brazil

Latin America & Caribbean	Jpper m	per middle in	
	Countr	y data	Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	186	199	2,391
Urban population (% of total)	83	85	61
GNI per capita, World Bank Atlas method (\$)	3,960	11,630	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.8	3.8	6.2
Adult literacy rate (% ages 15 and older)	90	90	94
Gross primary, secondary, tertiary school enrollment (%)			70
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	2.9	2.
Telecommunications investment (% of revenue)	17.4	13.1	18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people)	21.4	22.3	19.4
Mobile-cellular telephone subscriptions (per 100 people)	46.3	125.0	
Fixed (wired)-broadband subscriptions (per 100 people)	1.7	9.2	
Households with a computer (%)	18.5	49.9	
Households with Internet access at home (%)	13.6	45.4	
Usage	10.0		00.
Int'l. voice traffic, total (minutes/subscription/month)		0.2	1.3
Domestic mobile traffic (minutes/subscription/month)	30.9	56.9	
Individuals using the Internet (%)	21.0	49.8	a 41.6
Quality			
Population covered by a mobile-cellular network (%)	88	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	74.1	81.4	95.
International Internet bandwidth (bit/s per Internet user) Affordability	716	44,837	14,580
Fixed-telephone sub-basket (\$ a month)		29.8	9.4
Mobile-cellular sub-basket (\$ a month)		60.2	
Fixed-broadband sub-basket (\$ a month)		17.8	
Trade		11.0	11.0
ICT goods exports (% of total goods exports)	3.1	0.5	17.0
ICT goods imports (% of total goods imports)	12.1	8.8	
ICT service exports (% of total service exports)	43.0	55.7	
Applications	70.0	55.1	23.
Online service index (0-1, 1=highest presence)	0.57	0.67	0.42
Secure Internet servers (per million people)	14.2	57.4	
was to the control of the con	22	0	20.0

Brunei Darussalam

	Count	ry data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.37	0.41	1,300
Urban population (% of total)	74	76	80
GNI per capita, World Bank Atlas method (\$)	22,920	31,590	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.2	0.6	1.0
Adult literacy rate (% ages 15 and older)	93	95	
Gross primary, secondary, tertiary school enrollment (%)	81	81	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	P	
Mobile telephone service	М	М	
Internet service	Р	Р	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance Access	00.0	47.0	42.0
Fixed-telephone subscriptions (per 100 people)	22.8	17.2	
Mobile-cellular telephone subscriptions (per 100 people)	63.3	113.9	
Fixed (wired)-broadband subscriptions (per 100 people)	2.2	4.8	
Households with a computer (%)	55.0	86.9	
Households with Internet access at home (%)	50.0	72.4	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			112.0
Domestic mobile traffic (minutes/subscription/month)	 26 E	60.2	113.6 75.4
Individuals using the Internet (%) Quality	36.5	60.3	15.4
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)	45.2	 84.5	95.9
International Internet bandwidth (bit/s per Internet user)	4,138	39,925	
Affordability	4,130	33,323	05,550
Fixed-telephone sub-basket (\$ a month)		12.5	25.2
Mobile-cellular sub-basket (\$ a month)		20.8	20.6
Fixed-broadband sub-basket (\$ a month)		51.7	29.2
Trade			
ICT goods exports (% of total goods exports)	0.1	0.3	
ICT goods imports (% of total goods imports)	6.1	4.1	10.8
ICT service exports (% of total service exports)	17.0	21.4	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.59	0.67
Secure Internet servers (per million people)	13.6	117.2	827.6

Bulgaria

Europe & Central Asia	Jpper m	per middle in			per middle in	
	Countr	Country data				
	2005	2012	group 2012			
Economic and social context						
Population (millions)	8	7	2,39			
Urban population (% of total)	70	74	6			
GNI per capita, World Bank Atlas method (\$)	3,640	6,840	6,969			
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.5	1.8	6.3			
Adult literacy rate (% ages 15 and older)	98	98	94			
Gross primary, secondary, tertiary school enrollment (%)	77	82	70			
Sector structure						
Separate telecommunications/ICT regulator	Yes	Yes				
Status of main fixed-line telephone operator	Mixed	Mixed				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)		Р				
Mobile telephone service	Р	Р				
Internet service	С	С				
Foreign ownership (not allowed, restricted, allowed)	Α	Α				
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	Α				
Sector efficiency and capacity						
Telecommunications revenue (% of GDP)	6.0	3.0	2.			
Telecommunications investment (% of revenue)	6.0 34.5	3.0 23.9	2.5 18.2			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	34.5	23.9	18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	34.5	23.9	18.:			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	34.5 32.4 81.3	23.9 29.3 148.1	19.4 19.4 92.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	32.4 81.3 2.2	29.3 148.1 17.9	19. 92. 10.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	32.4 81.3 2.2 17.9 ^a	29.3 148.1 17.9 52.0	19. 92. 10. 40.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	32.4 81.3 2.2	29.3 148.1 17.9	19. 92. 10. 40.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	32.4 81.3 2.2 17.9 ^a	29.3 148.1 17.9 52.0	19. 92. 10. 40. 36.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	32.4 81.3 2.2 17.9 ^a 13.3 ^a	29.3 148.1 17.9 52.0 51.0	19. 92. 10. 40. 36.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9	29.3 148.1 17.9 52.0 51.0	19. 92. 10. 40. 36.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8	29.3 148.1 17.9 52.0 51.0 6.8 122.8	19. 92. 10. 40. 36.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8	29.3 148.1 17.9 52.0 51.0 6.8 122.8	19. 92. 10. 40. 36. 1. 284. 41.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8 20.0	29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1	19. 92. 10. 40. 36. 1. 284. 41.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8 20.0	29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1	19. 92. 10. 40. 36. 1. 284. 41.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8 20.0	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424	19. 92. 10. 40. 36. 1. 284. 41. 9			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8 20.0	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9	18.: 19.: 92.: 10.: 40.: 36.: 1.: 284.: 41.: 9: 95.: 14,586: 9.:			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 888	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9 34.8	19 92 10 40 36 1 284 41 9 14,580 9 14,580			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 888	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9	19 92 10 40 36 1 284 41 9 14,580 9 14,580			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 88.8	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9 34.8 10.5	19 92 10 40 36 1 284 41 9.95 14.584			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	34.5 32.4 81.3 2.2 17.9a 13.3a 5.9 37.8 20.0 100 80.0 88.8	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9 34.8 10.5 2.0	19 19 10 40 36 284 41 9 95 14.58(9 14 17			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	34.5 32.4 81.3 2.2 17.9a 13.3a 5.9 37.8 20.0 100 80.0 88.8 1.5 5.5	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9 34.8 10.5 2.0 6.2	19.2. 19.2. 10.0. 36.2. 1.3. 284.4. 41. 9. 95. 14.586 9. 14.17. 17.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	34.5 32.4 81.3 2.2 17.9a 13.3a 5.9 37.8 20.0 100 80.0 88.8	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9 34.8 10.5 2.0	19.2. 19.2. 10.0. 36.2. 1.3. 284.4. 41. 9. 95. 14.586 9. 14.17. 17.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	32.4 81.3 2.2 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 888 	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9 34.8 10.5 2.0 6.2 22.8	19 92 10 1 284 41 9.95 14.58! 9 17 17 17 17 17 17 17 17 14 29			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	34.5 32.4 81.3 2.2 17.9a 13.3a 5.9 37.8 20.0 100 80.0 88.8 1.5 5.5	23.9 29.3 148.1 17.9 52.0 51.0 6.8 122.8 55.1 100 100.0 85,424 11.9 34.8 10.5 2.0 6.2	19.4 92 10.0 36 284.4 41 99. 95 14.58(9 14.58(17.6			

Burkina Faso

Sub-Saharan Africa Low income

	Country	Country data		Country data	
-	2005	2012	group 2012		
Economic and social context					
Population (millions)	13	16	846		
Urban population (% of total)	22	27	28		
GNI per capita, World Bank Atlas method (\$)	410	670	590		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.4	5.5	5.9		
Adult literacy rate (% ages 15 and older)	24		61		
Gross primary, secondary, tertiary school enrollment (%)	29	45	60		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line telephone operator	Public	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	М	C			
Mobile telephone service	С	C			
Internet service	С	C			
Foreign ownership (not allowed, restricted, allowed)	R	R			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.5		5.0		
Telecommunications investment (% of revenue)	55.8				
Sector performance					
Access	0.7	0.0	1.0		
Fixed-telephone subscriptions (per 100 people)	0.7	0.9			
Mobile-cellular telephone subscriptions (per 100 people)	4.7 0.0	60.6 0.1			
Fixed (wired)-broadband subscriptions (per 100 people)	1.4	3.4			
Households with a computer (%) Households with Internet access at home (%)	0.0a	2.8			
, ,	0.0	2.0	3.4		
Usage Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)	27.7	30.2	70.1		
Individuals using the Internet (%)	0.5	3.7			
Quality	0.5	5.1	0.2		
Population covered by a mobile-cellular network (%)	26				
Fixed (wired)-broadband subscriptions (% of total Internet)	4.6	47.7	30.9		
International Internet bandwidth (bit/s per Internet user)	1,142	1,812			
Affordability	1,172	1,012	5,171		
Fixed-telephone sub-basket (\$ a month)		14.8	8.9		
Mobile-cellular sub-basket (\$ a month)		12.2			
Fixed-broadband sub-basket (\$ a month)		46.6			
Trade		10.0	10.0		
ICT goods exports (% of total goods exports)	0.2	0.0			
ICT goods imports (% of total goods imports)	4.5	3.2			
ICT service exports (% of total service exports)	8.9	21.1			
Applications	5.5	21.1			
Online service index (0-1, 1=highest presence)	0.15	0.29	0.20		
Secure Internet servers (per million people)	0.13	0.23			
2332.3tornot our roro (por minion poopie)	0.1	0.0	1.1		

Burundi

Sub-Saharan Africa Low income

	Country	Country data		Country data		Country data		Country data	Low- income group
-	2005	2012	2012						
Economic and social context									
Population (millions)	8	10	846						
Urban population (% of total)	9	11	28						
GNI per capita, World Bank Atlas method (\$)	130	240	590						
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.2	4.3	5.9						
Adult literacy rate (% ages 15 and older)	59	87	61						
Gross primary, secondary, tertiary school enrollment (%)	36	59	60						
Sector structure									
Separate telecommunications/ICT regulator	Yes	Yes							
Status of main fixed-line telephone operator	Public	Public							
Level of competition (competition, partial comp., monopoly)									
International gateway(s)		С							
Mobile telephone service	С	С							
Internet service	С	С							
Foreign ownership (not allowed, restricted, allowed)	Α	Α							
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В							
Sector efficiency and capacity									
Telecommunications revenue (% of GDP)		2.3	5.0						
Telecommunications investment (% of revenue)									
Sector performance Access									
Fixed-telephone subscriptions (per 100 people)	0.4a	0.2	1.0						
Mobile-cellular telephone subscriptions (per 100 people)	2.0	22.8							
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2						
Households with a computer (%)		0.1	4.2						
Households with Internet access at home (%)		0.1	a 3.4						
Usage									
Int'l. voice traffic, total (minutes/subscription/month)									
Domestic mobile traffic (minutes/subscription/month)		35.1	70.1						
Individuals using the Internet (%)	0.5	1.2	a 6.2						
Quality									
Population covered by a mobile-cellular network (%)	82	83							
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.6	30.9						
International Internet bandwidth (bit/s per Internet user) Affordability	95	3,462	9,141						
Fixed-telephone sub-basket (\$ a month)			8.9						
Mobile-cellular sub-basket (\$ a month)			11.9						
Fixed-broadband sub-basket (\$ a month)			46.9						
Trade			40.3						
ICT goods exports (% of total goods exports)	0.1	0.2							
ICT goods imports (% of total goods imports)	5.6	1.9							
ICT service exports (% of total service exports)	J.U 	6.6							
Applications		0.0							
Online service index (0-1, 1=highest presence)	0.18	0.15	0.20						
Secure Internet servers (per million people)	0.1	0.3	1.1						
Table 1 Compared to the common people)	5.1	0.0	1.1						

Cabo Verde

Sub-Saharan Africa	Lower m	iddle i	ncome
	0	Country data	
	2005	Country data	
Francisco and control controls	2005	2012	2012
Economic and social context Population (millions)	0.48	0.49	2,507
Urban population (% of total)	58	63	
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,330	3,830	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.9	5.9	,
Adult literacy rate (% ages 15 and older)	80	85	
Gross primary, secondary, tertiary school enrollment (%)	71	77	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	6.7 19.1	7.9 23.9	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	15.0	14.2	5.4
Mobile-cellular telephone subscriptions (per 100 people)	17.1	86.0	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.2	4.0	1.4
Households with a computer (%)	6.7a	26.5	a 15.0
Households with Internet access at home (%) Usage	1.4ª	13.7	a 12.4
Int'l. voice traffic, total (minutes/subscription/month)	33.8	22.6	6.5
Domestic mobile traffic (minutes/subscription/month)	46.6	72.1	
Individuals using the Internet (%)	6.1	34.7	a 18.7
Quality Population covered by a mobile-cellular network (%)	85	96	86
Fixed (wired)-broadband subscriptions (% of total Internet)	14.4	100.0	58.2
International Internet bandwidth (bit/s per Internet user)	482	6,317	
Affordability		,	,
Fixed-telephone sub-basket (\$ a month)		10.8	4.9
Mobile-cellular sub-basket (\$ a month)		32.9	10.5
Fixed-broadband sub-basket (\$ a month)		33.3	20.6
Trade			
ICT goods exports (% of total goods exports)	0.5		4.6
ICT goods imports (% of total goods imports)	3.9	3.7	7.2
ICT service exports (% of total service exports) Applications	7.8	4.6	47.1
Online service index (0-1, 1=highest presence)	0.42	0.44	0.32
Secure Internet servers (per million people)	2.1	26.1	
(por minor poopio)	2.1	20.1	

Cambodia

East Asia & Pacific Low income

	Country data		Low-
-	2005	2012	group 2012
Economic and social context			
Population (millions)	13	15	846
Urban population (% of total)	19	20	28
GNI per capita, World Bank Atlas method (\$)	460	880	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	9.1	6.2	5.9
Adult literacy rate (% ages 15 and older)	74	74	61
Gross primary, secondary, tertiary school enrollment (%)	62	64	60
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	R	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	5.5	5.0
Telecommunications investment (% of revenue)		69.8	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.2	3.9	1.0
Mobile-cellular telephone subscriptions (per 100 people)	8.0	128.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.2	
Households with a computer (%)	1.8a	5.4	
Households with Internet access at home (%)		3.9	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	11.1		70.4
Individuals using the Internet (%)	0.3	4.9	
Quality			
Population covered by a mobile-cellular network (%)	75	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	46.8	30.9
International Internet bandwidth (bit/s per Internet user)	425	13,619	9,141
Affordability			
Fixed-telephone sub-basket (\$ a month)		3.8	8.9
Mobile-cellular sub-basket (\$ a month)		7.5	11.9
Fixed-broadband sub-basket (\$ a month)		23.5	46.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	
ICT goods imports (% of total goods imports)	2.3	1.7	
ICT service exports (% of total service exports)	6.5	8.4	
Applications			
Online service index (0-1, 1=highest presence)	0.30	0.19	0.20
Secure Internet servers (per million people)	0.1	2.0	1.1

Cameroon

Sub-Saharan Africa	Lower m	iddle i	ncome
			Lower middle-
	Countr	v data	income
	2005	2012	group 2012
Economic and social context			
Population (millions)	18	22	2,507
Urban population (% of total)	49	53	39
GNI per capita, World Bank Atlas method (\$)	900	1,170	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.8	3.2	6.0
Adult literacy rate (% ages 15 and older)	71	71	
Gross primary, secondary, tertiary school enrollment (%)	51	62	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.5	2.5
Telecommunications investment (% of revenue)	28.3	24.2	20.5
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.6	3.4	5.4
Mobile-cellular telephone subscriptions (per 100 people)	12.4	60.4	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.6	1.4
Households with a computer (%)	3.0	8.3	a 15.0
Households with Internet access at home (%)	1.1a	3.5	a 12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		4.4	
Domestic mobile traffic (minutes/subscription/month)	1.6	9.3	
Individuals using the Internet (%)	1.4	5.7	a 18.7
Quality			
Population covered by a mobile-cellular network (%)	54		
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3		
International Internet bandwidth (bit/s per Internet user)	609	260	8,076
Affordability		47.0	
Fixed-telephone sub-basket (\$ a month)		17.9	
Mobile-cellular sub-basket (\$ a month)		18.8	
Fixed-broadband sub-basket (\$ a month) Trade		58.1	20.6
	0.0	0.0	4.0
ICT goods exports (% of total goods exports)	0.0	0.0	
ICT goods imports (% of total goods imports)	3.3	2.7	
ICT service exports (% of total service exports) Applications	19.1	29.7	47.1
Online service index (0-1, 1=highest presence)	0.27	0.30	0.32
Secure Internet servers (per million people)	0.1	1.5	
(pslinin propio)	0.1	1.0	1.7

Canada

	Count	ry data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	32	35	1,300
Urban population (% of total)	80	81	80
GNI per capita, World Bank Atlas method (\$)	33,110	51,570	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.5	1.2	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	2.5	2.7
Telecommunications investment (% of revenue)	16.2	21.9	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	56.3	50.7	43.6
Mobile-cellular telephone subscriptions (per 100 people)	52.8	80.1	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	21.7	32.5	26.2
Households with a computer (%)	72.0	86.68	77.7
Households with Internet access at home (%)	64.3	83.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		357.1	113.6
Individuals using the Internet (%)	71.7	86.8	75.4
Quality Population covered by a mobile-cellular network (%)	97	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	78.9	97.9	95.9
International Internet bandwidth (bit/s per Internet user)	9,411	100,505	85,990
Affordability	- /	,	,
Fixed-telephone sub-basket (\$ a month)		29.3	25.2
Mobile-cellular sub-basket (\$ a month)		40.8	20.6
Fixed-broadband sub-basket (\$ a month)		40.4	29.2
Trade			
ICT goods exports (% of total goods exports)	3.9	2.3	8.9
ICT goods imports (% of total goods imports)	9.1	7.3	10.8
ICT service exports (% of total service exports)	39.3	41.2	30.8
Applications Online service index (0-1, 1=highest presence)	0.82	0.89	0.67
Secure Internet servers (per million people)	569.1	1,040.6	827.6
occure internet servers (per million people)	503.1	1,040.0	021.0

Cayman Islands

	Countr	y data	High- income group
-	2005	2012	2012
Economic and social context			
Population (millions)	0.05	0.06	1,300
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)			38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0
Adult literacy rate (% ages 15 and older)	99		
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No.	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.7 17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	78.2a	65.0	43.6
Mobile-cellular telephone subscriptions (per 100 people)	166.5	171.7	122.9
Fixed (wired)-broadband subscriptions (per 100 people)		33.6	26.2
Households with a computer (%)	54.8	74.5	77.7
Households with Internet access at home (%)	50.7a	66.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			113.6
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	38.0	74.1	
Quality	36.0	74.1	13.4
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)		100	95.9
International Internet bandwidth (bit/s per Internet user)			85,990
Affordability			,
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			
ICT goods exports (% of total goods exports)			8.9
ICT goods imports (% of total goods imports)			10.8
ICT service exports (% of total service exports) Applications			30.8
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	843.2	2,103.4	827.6
· · · · · · · · · · · · · · · · · · ·		,	0

Central African Republic

Sub-Saharan Africa Low income

	Countr	y data	Low- income group
-	2005	2012	2012
Economic and social context			
Population (millions)	4	5	846
Urban population (% of total)	38	39	28
GNI per capita, World Bank Atlas method (\$)	340	510	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.5	6.7	5.9
Adult literacy rate (% ages 15 and older)	51	57	61
Gross primary, secondary, tertiary school enrollment (%)		43	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)		A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)		C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	2.2	5.0
Telecommunications investment (% of revenue)		56.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.3 2.5	0.0 25.3	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0 2.9	
Households with a computer (%)			
Households with Internet access at home (%)		2.4	a 3.4
Usage		5.2	
Int'l. voice traffic, total (minutes/subscription/month)		29.8	
Domestic mobile traffic (minutes/subscription/month)	0.3a		
Individuals using the Internet (%) Quality	0.5	3.0	0.2
Population covered by a mobile-cellular network (%)	19	63	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.0	30.9
International Internet bandwidth (bit/s per Internet user)	145	162	9,141
Affordability			
Fixed-telephone sub-basket (\$ a month)		10.1	8.9
Mobile-cellular sub-basket (\$ a month)		12.9	11.9
Fixed-broadband sub-basket (\$ a month)		1,329.5	46.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	
ICT goods imports (% of total goods imports)	2.4	5.9	
ICT service exports (% of total service exports)			
Applications			
Online service index (0-1, 1=highest presence)	0.14	0.00	0.20
Secure Internet servers (per million people)	0.2	0.2	1.1

Low income

Low-

			Low- income
	Countr		group
	2005	2012	2012
Economic and social context	10	10	0.40
Population (millions)	10 22	12 22	
Urban population (% of total)	360	770	
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %)	17.2	4.9	
Adult literacy rate (% ages 15 and older)	28	4.9 35	
Gross primary, secondary, tertiary school enrollment (%)	36	47	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С		
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity Telecommunications revenue (% of GDP)		2.1	5.0
Telecommunications revenue (% of revenue)			
- Telecommunications investment (% or revenue)	••		
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.1	0.2	1.0
Mobile-cellular telephone subscriptions (per 100 people)	2.1	35.4	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.2	0.2
Households with a computer (%)		2.5	a 4.2
Households with Internet access at home (%)		2.3	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		3.4	
Domestic mobile traffic (minutes/subscription/month)			70.1
Individuals using the Internet (%) Quality	0.4	2.1	a 6.2
Population covered by a mobile-cellular network (%)	24	36	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	100.0	
International Internet bandwidth (bit/s per Internet user)	88	490	
Affordability			-,
Fixed-telephone sub-basket (\$ a month)		16.7	8.9
Mobile-cellular sub-basket (\$ a month)		15.4	11.9
Fixed-broadband sub-basket (\$ a month)		11.8	46.9
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
Online service index (0-1, 1=highest presence)	0.10	0.10	0.20
Secure Internet servers (per million people)			1.1

Channel Islands

	Counti	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.15	0.16	1,300
Urban population (% of total)	31	31	80
GNI per capita, World Bank Atlas method (\$)	55,320		38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	-1.2		1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)			43.6
Mobile-cellular telephone subscriptions (per 100 people)			100.0
Fixed (wired)-broadband subscriptions (per 100 people)			000
Households with a computer (%)			77.7
Households with Internet access at home (%)			75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)			75.4
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.9
International Internet bandwidth (bit/s per Internet user)			85,990
Affordability			
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			
ICT goods exports (% of total goods exports)			8.9
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports) Applications			30.8
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)			827.6
n : r : r : r			



	Country	y data	High- income
-	2005	2012	group 2012
Economic and social context			
Population (millions)	16	17	1,300
Urban population (% of total)	88	89	80
GNI per capita, World Bank Atlas method (\$)	6,250	14,310	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.2	3.8	1.0
Adult literacy rate (% ages 15 and older)	96	99	
Gross primary, secondary, tertiary school enrollment (%)	83	88	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	21.0	18.8	43.6
Mobile-cellular telephone subscriptions (per 100 people)	64.7	138.2	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	4.3	12.4	26.2
Households with a computer (%)	30.1a	53.7	
Households with Internet access at home (%)	16.7a	45.3	
Usage	10.7	40.0	75.5
Int'l. voice traffic, total (minutes/subscription/month)	3.7	1.9	
Domestic mobile traffic (minutes/subscription/month)	55.9	91.5	113.6
Individuals using the Internet (%)	31.2a	61.4	
Quality	01.2	01	
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	78.2	98.9	95.9
International Internet bandwidth (bit/s per Internet user)	2,494	40,460	85,990
Affordability	_,	,	,
Fixed-telephone sub-basket (\$ a month)		35.1	25.2
Mobile-cellular sub-basket (\$ a month)		22.8	20.6
Fixed-broadband sub-basket (\$ a month)		25.8	29.2
Trade	•		
ICT goods exports (% of total goods exports)	0.5	0.3	8.9
ICT goods imports (% of total goods imports)	8.2	7.3	10.8
ICT service exports (% of total service exports)	18.4	21.1	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.58	0.75	0.67
Secure Internet servers (per million people)	21.0	93.6	827.6
		30.0	0

China

		Ipper middle inc	
			Upper
	Countr		middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	1,304	1,351	2,39
Urban population (% of total)	43	52	6:
GNI per capita, World Bank Atlas method (\$)	1,740	5,720	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	9.8	10.4	6.2
Adult literacy rate (% ages 15 and older)	91	95	94
Gross primary, secondary, tertiary school enrollment (%)	64	74	70
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	Р		
Internet service	C		
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.1	2.
Telecommunications investment (% of revenue)	35.9	33.6	18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people)	26.6	20.2	19.4
Mobile-cellular telephone subscriptions (per 100 people)	29.8	80.8	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.8	12.7	10.8
Households with a computer (%)	25.0	40.9	
Households with Internet access at home (%) Usage	11.0	37.4	36.
Int'l. voice traffic, total (minutes/subscription/month)	1.3	0.4	1.3
Domestic mobile traffic (minutes/subscription/month)	132.5	415.4	284.
Individuals using the Internet (%)	8.5	42.3	41.
Quality			
Population covered by a mobile-cellular network (%)	97	99	9:
Fixed (wired)-broadband subscriptions (% of total Internet)	51.2	96.8	95.
International Internet bandwidth (bit/s per Internet user)	1,211	3,261	14,58
Affordability		4.9	9.
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)		2.3	14.
Fixed-broadband sub-basket (\$ a month)		23.2	17.
		23.2	11.
· · · · · · · · · · · · · · · · · · ·	30.7	27.1	17.
Trade	30.7	19.6	14.
Trade ICT goods exports (% of total goods exports)	25.2		14.
Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	25.3		20
Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	25.3 24.9	34.9	29.
Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			

Colombia

Latin America & Caribbean	Unner middle income

			Upper middle- income
-	Countr		group
	2005	2012	2012
Economic and social context			
Population (millions)	43	48	,
Urban population (% of total)	74	76	
GNI per capita, World Bank Atlas method (\$)	2,930	7,020	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	3.7	4.5	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	93 79	94 82	
——————————————————————————————————————	19	02	7.0
Sector structure	.,	.,	
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)		0	
International gateway(s)	 P	C	
Mobile telephone service Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity Telecommunications revenue (% of GDP)	4.3	5.4	2.5
Telecommunications investment (% of revenue)	7.5	17.8	
Access Fixed-telephone subscriptions (per 100 people)	17.8	13.0	19.4
Mobile-cellular telephone subscriptions (per 100 people)	50.6	102.9	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.7	8.2	10.8
Households with a computer (%)	14.6	38.4	40.0
Households with Internet access at home (%) Usage	6.2	32.1	36.3
Int'l. voice traffic, total (minutes/subscription/month)		5.7	1.3
Domestic mobile traffic (minutes/subscription/month)	48.4	353.4	284.4
Individuals using the Internet (%)	11.0	49.0	41.6
Quality			
Population covered by a mobile-cellular network (%)	82	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	46.3	99.9	
International Internet bandwidth (bit/s per Internet user)	4,686	20,370	14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)		10.0	
Mobile-cellular sub-basket (\$ a month)		22.7	
Fixed-broadband sub-basket (\$ a month)		18.7	17.8
Trade	0.0	0.1	17/
ICT goods exports (% of total goods exports)	0.2	0.1	
ICT goods imports (% of total goods imports)	13.0 14.6	9.0 18.6	
ICT service exports (% of total service exports) Applications	14.0	10.0	29
Online service index (0-1, 1=highest presence)	0.53	0.84	0.42
Secure Internet servers (per million people)	4.4	33.5	
ocours internet servers (per million people)	7.7	55.5	10.

Comoros

Sub-Saharan Africa Low income

	Countr	y data	Low- income group
-	2005	2012	2012
Economic and social context			
Population (millions)	0.60	0.72	846
Urban population (% of total)	28	28	28
GNI per capita, World Bank Atlas method (\$)	650	840	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.6	1.6	5.9
Adult literacy rate (% ages 15 and older)	68	76	61
Gross primary, secondary, tertiary school enrollment (%)	64	78	60
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		М	
Mobile telephone service		М	
Internet service	М	М	
Foreign ownership (not allowed, restricted, allowed)	No	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	5.5	
Telecommunications investment (% of revenue)	25.6	13.8	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	2.8	3.3	a 1.0
Mobile-cellular telephone subscriptions (per 100 people)	2.6	39.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.2	0.2
Households with a computer (%)	3.0	6.4	a 4.2
Households with Internet access at home (%)	0.8a	3.4	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		49.4	70.1
Individuals using the Internet (%)	2.0a	6.0	6.2
Quality			
Population covered by a mobile-cellular network (%)	40		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	60.6	30.9
International Internet bandwidth (bit/s per Internet user) Affordability	166	7,231	9,141
Fixed-telephone sub-basket (\$ a month)		10.0	8.9
Mobile-cellular sub-basket (\$ a month)		13.5	
Fixed-broadband sub-basket (\$ a month)		80.2	
Trade		00.2	10.0
ICT goods exports (% of total goods exports)	0.0	0.9	
ICT goods imports (% of total goods imports)	2.7	7.0	
ICT service exports (% of total service exports)	2.1	1.0	
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.08	0.20
Secure Internet servers (per million people)	5.0	1.4	1.1
Table 1 Compared to the Common propriet	5.0	1.7	1.1

Congo, Dem. Rep.

Sub-Saharan Africa Low income

	Country	y data	Low- income group
-	2005	2012	2012
Economic and social context			
Population (millions)	54	66	846
Urban population (% of total)	31	35	28
GNI per capita, World Bank Atlas method (\$)	130	230	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.6	5.8	5.9
Adult literacy rate (% ages 15 and older)	61		61
Gross primary, secondary, tertiary school enrollment (%)	53	63	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	5.8	5.0
Telecommunications investment (% of revenue)	89.2	49.4	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.0	0.1	1.0
Mobile-cellular telephone subscriptions (per 100 people)	5.1	30.6	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	0.2a	1.3	a 4.2
Households with Internet access at home (%)	0.2a	1.3	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	9.5	3.0	
Domestic mobile traffic (minutes/subscription/month)	51.2	35.6	70.1
Individuals using the Internet (%)	0.2a	1.7	a 6.2
Quality			
Population covered by a mobile-cellular network (%)	50	50	
Fixed (wired)-broadband subscriptions (% of total Internet)	6.3		30.9
International Internet bandwidth (bit/s per Internet user)	39	725	9,141
Affordability			
Fixed-telephone sub-basket (\$ a month)		9.9	
Mobile-cellular sub-basket (\$ a month)		11.9	
Fixed-broadband sub-basket (\$ a month)		400.2	46.9
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports) Applications			
Online service index (0-1, 1=highest presence)	0.22	0.18	0.20
Secure Internet servers (per million people)	0.1	0.3	1.1

Congo, Rep.

Sub-Saharan Africa L	ower m	iddle i	ncome
			Lower middle-
	Countr	v data	income
•	2005	2012	group 2012
Economic and social context			
Population (millions)	4	4	2,507
Urban population (% of total)	61	64	39
GNI per capita, World Bank Atlas method (\$)	970	2,550	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.7	5.0	6.0
Adult literacy rate (% ages 15 and older)			7:
Gross primary, secondary, tertiary school enrollment (%)	55	66	64
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	С	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed)		Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
	2.7	2.0	2.5
Telecommunications revenue (% of GDP)	2.1	3.2	2.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance		23.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.4	0.3	20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.4 15.8	0.3 98.8	5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.4 15.8 0.0	0.3 98.8 0.0	5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.4 15.8 0.0 1.4	0.3 98.8 0.0 4.3	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.4 15.8 0.0	0.3 98.8 0.0	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.4 15.8 0.0 1.4	0.3 98.8 0.0 4.3	5.4 83.1 1.4 15.0 a 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.4 15.8 0.0 1.4 0.1 ^a	0.3 98.8 0.0 4.3 1.3	5.4 83 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.4 15.8 0.0 1.4 0.1 ^a	0.3 98.8 0.0 4.3 1.3	5.4 83.1 1.4 15.0 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.4 15.8 0.0 1.4 0.1 ^a	0.3 98.8 0.0 4.3 1.3 9.5 40.9	5.4 83.1 1.4 15.0 6.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.4 15.8 0.0 1.4 0.1 ^a	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1	20.8 5.4 83.1 1.4 15.0 6.8 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.4 15.8 0.0 1.4 0.1 ^a 	0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1	20.8 5.4 83.1 1.4 15.0 6.8 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1	5.4 83.1 1.4 15.0 6.5 18.3 18.3 18.3 18.3 18.3 18.3 18.3 18.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3	5.4 83.1 1.4 15.0 6.5 18.3 18.3 18.3 18.3 18.3 18.3 18.3 18.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3	20.8 5.4 83.1 1.4 15.6 6.8 18.7 86 58.2 8,070
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wsage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39 0.0	0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3 204	20.8 5.4 83.1 1.4 15.0 6.8 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39 0.0 19	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3 204	20.8 5.4 83.1 1.4 15.0 6.8 18.3 86 58.2 8,076 4.8 10.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39 0.0 19	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3 204	20.8 5.4 83 15.0 6.8 18.0 6.8 80 70 4.9 10.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39 0.0 19	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3 204	20.8 5.4 83.1 1.4 15.0 6.8 88,070 4.9 20.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39 0.0 19	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3 204	20.8 5.4 83.1 1.4 15.0 6.8 88,070 4.9 20.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39 0.0 19 	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3 204 	20.8 5.4 83.1 1.5 15.6 84.1 12.4 6.8 8,070 4.9 4.0 4.1 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39 0.0 19	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3 204 	20.8 5.4 83.1 1.4 15.0 6.8 18.7 86 58.2 8,076 4.9 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	0.4 15.8 0.0 1.4 0.1 ^a 1.5 ^a 39 0.0 19	23.4 0.3 98.8 0.0 4.3 1.3 9.5 40.9 6.1 95 14.3 204 	20.8 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1

	GUSLA KICA
Latin America & Caribbean	Upper middle income

		Upper middle-income		
	Countr	y data	group	
	2005	2012	2012	
Economic and social context				
Population (millions)	4	5	2,391	
Urban population (% of total)	62	65	61	
GNI per capita, World Bank Atlas method (\$)	4,810	8,820	6,969	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.3	4.1	6.2	
Adult literacy rate (% ages 15 and older)	95	96	94	
Gross primary, secondary, tertiary school enrollment (%)	74	85	76	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Public	Public		
Level of competition (competition, partial comp., monopoly)		0		
International gateway(s)		C		
Mobile telephone service	M	C		
Internet service	М	С		
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)	R B	R A		
reg. treatment of voir (banned, closed, no framework, anowed)	D	A		
Sector efficiency and capacity Telecommunications revenue (% of GDP)	2.3	2.3	2.5	
	2.3	2.3	2.0	
Telecommunications investment (% of revenue)	25.8	98.2	18.2	
	25.8	98.2		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	32.1	20.7	19.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	32.1 25.5	20.7 111.9	19. ⁴ 92. ⁴	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	32.1 25.5 1.0	20.7 111.9 9.3	19. ² 92. ² 10.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	32.1 25.5 1.0 27.0	20.7 111.9 9.3 49.0	19.4 92.4 10.8 40.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	32.1 25.5 1.0	20.7 111.9 9.3	19.4 92.4 10.8 40.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	32.1 25.5 1.0 27.0 10.2	20.7 111.9 9.3 49.0 47.3	19.4 92.4 10.8 40.6 36.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	32.1 25.5 1.0 27.0 10.2	20.7 111.9 9.3 49.0 47.3	19.4 92.4 10.8 40.6 36.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	32.1 25.5 1.0 27.0 10.2 19.2 152.2	20.7 111.9 9.3 49.0 47.3 13.0 120.0	19.4 92.4 10.8 40.6 36.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	32.1 25.5 1.0 27.0 10.2	20.7 111.9 9.3 49.0 47.3	19.4 92.4 10.8 40.6 36.3 1.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6 687	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0 29,890	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.8 14,580	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6 687	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0 29,890	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6 687	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0 29,890 4.7 3.8	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6 687	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0 29,890 4.7 3.8	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6 687	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0 29,890 4.7 3.8 15.8	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99.5 14,580 17.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6 687	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0 29,890 4.7 3.8 15.8	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6 687 	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0 29,890 4.7 3.8 15.8	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	32.1 25.5 1.0 27.0 10.2 19.2 152.2 22.1 86 60.6 687 	20.7 111.9 9.3 49.0 47.3 13.0 120.0 47.5 70 100.0 29,890 4.7 3.8 15.8	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8	

Côte d'Ivoire

Sub-Saharan Africa L	ower m	wer middle ii		
	Countr	Country data		
•	2005	2012	group 2012	
Economic and social context				
Population (millions)	17	20	2,507	
Urban population (% of total)	47	52	39	
GNI per capita, World Bank Atlas method (\$)	900	1,220	1,893	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	-0.2	1.9	6.0	
Adult literacy rate (% ages 15 and older)	49	57	71	
Gross primary, secondary, tertiary school enrollment (%)			64	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		M		
Mobile telephone service	Р	Р		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No		
Sector efficiency and capacity				
	ΕO	7.0	2.5	
Telecommunications revenue (% of GDP)	5.0	7.0	2.0	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	29.1	15.4		
Telecommunications investment (% of revenue) Sector performance Access	29.1	15.4	20.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	29.1	15.4	20.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	29.1 1.5 13.5	15.4 1.4 91.2	20.5 5.4 83.1	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.5 13.5 0.0	15.4 1.4 91.2 0.1	5.4 83.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.5 13.5 0.0 1.3	15.4 1.4 91.2 0.1 2.3	5.4 83.1 1.4 15.0	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.5 13.5 0.0	15.4 1.4 91.2 0.1	5.4 83.1 1.4 15.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.5 13.5 0.0 1.3	15.4 1.4 91.2 0.1 2.3	5.4 83.1 1.4 15.0 12.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.5 13.5 0.0 1.3 0.2 ^a	15.4 1.4 91.2 0.1 2.3 1.3	5.4 83.1 1.4 15.0 12.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.5 13.5 0.0 1.3 0.2 ^a	1.4 91.2 0.1 2.3 1.3	5.4 83.1 1.4 15.0 6.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.5 13.5 0.0 1.3 0.2 ^a	1.4 91.2 0.1 2.3 1.3 5.9 66.5	5.4 83.1 1.4 15.0 6.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.5 13.5 0.0 1.3 0.2 ^a	1.4 91.2 0.1 2.3 1.3 5.9 66.5	20.8 5.4 83.1 1.4 15.0 6.8 6.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.5 13.5 0.0 1.3 0.2 ^a 106.4 1.0	1.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4	5.4 83.1 1.4 15.0 6.8 18.3 18.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.5 13.5 0.0 1.3 0.2 ^a 106.4 1.0	1.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4	5.4 83.1 1.4 15.0 6.8 18.7 86 58.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.5 13.5 0.0 1.3 0.2 ^a 106.4 1.0 55 6.9 307	1.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 	20.8 5.4 83.1 1.4 15.0 6.8 18.7 86 58.2 8,076	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.5 13.5 0.0 1.3 0.2ª 106.4 1.0 55 6.9 307	1.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 16,950	20.8 5.4 83.1 1.4 15.6 6.8 18.7 86 58.2 8,076 4.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.5 13.5 0.0 1.3 0.2 ^a 106.4 1.0 55 6.9 307	1.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 16,950 20.7 20.1	20.8 5.4 83.1 1.4 6.8 12.4 6.8 58.2 8,076 4.8 10.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.5 13.5 0.0 1.3 0.2ª 106.4 1.0 55 6.9 307	1.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 16,950	20.8 5.4 83.1 1.4 6.8 12.4 6.8 58.2 8,076 4.8 10.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.5 13.5 0.0 1.3 0.2 ^a 106.4 1.0 55 6.9 307	1.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 16,950 20.7 20.1 42.4	20.8 5.4 83.1 1.4 3 15.0 6.5 18.7 86 58.2 8,076 4.9 10.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	29.1 1.5 13.5 0.0 1.3 0.2a 106.4 1.0 55 6.9 307 0.6	15.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 16,950 20.7 20.1 42.4 0.1	20.8 5.4 83.1 1.4 6.8 18.7 6.8 58.2 8,076 4.9 10.8 20.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	29.1 1.5 13.5 0.0 1.3 0.2a 106.4 1.0 55 6.9 307 0.6 3.8	15.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 16,950 20.7 20.1 42.4 0.1 3.1	20.8 5.4 83.1 1.4 6.8 18.7 86 58.2 8,076 4.9 20.6 4.6 7.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	29.1 1.5 13.5 0.0 1.3 0.2a 106.4 1.0 55 6.9 307 0.6	15.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 16,950 20.7 20.1 42.4 0.1	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	29.1 1.5 13.5 0.0 1.3 0.2a 106.4 1.0 55 6.9 307 0.6 3.8 33.7	15.4 91.2 91.1 2.3 1.3 5.9 66.5 2.4 95 16,950 20.7 20.1 42.4 0.1 3.1 28.5	20.5 5.4 83.1 1.4 6.5 12.4 6.5 8.076 4.9 10.5 20.6 4.6 7.2 47.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	29.1 1.5 13.5 0.0 1.3 0.2a 106.4 1.0 55 6.9 307 0.6 3.8	15.4 91.2 0.1 2.3 1.3 5.9 66.5 2.4 95 16,950 20.7 20.1 42.4 0.1 3.1	5.4 83.1 1.4 15.0 6.5	

Croatia

	Countr	Country data	
-	2005	2012	group 2012
Economic and social context			
Population (millions)	4	4	1,300
Urban population (% of total)	56	58	80
GNI per capita, World Bank Atlas method (\$)	9,690	13,490	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.6	-0.4	1.0
Adult literacy rate (% ages 15 and older)	98	99	
Gross primary, secondary, tertiary school enrollment (%)	79	85	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.9	3.6	2.7
Telecommunications investment (% of revenue)	14.5	18.3	17.6
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	42.9	37.9	43.6
Mobile-cellular telephone subscriptions (per 100 people)	83.2	115.4	
Fixed (wired)-broadband subscriptions (per 100 people)	2.6	20.7	
Households with a computer (%)	32.7	68.0	
Households with Internet access at home (%)	25.0	66.0	
Usage	25.0	00.0	15.5
Int'l. voice traffic, total (minutes/subscription/month)	16.5	8.4	
Domestic mobile traffic (minutes/subscription/month)	65.7	115.0	
Individuals using the Internet (%)	33.1	63.0	
Quality	33.1	03.0	13.4
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	12.2	95.6	
International Internet bandwidth (bit/s per Internet user)	3,280	28,743	
Affordability	3,200	20,143	60,990
Fixed-telephone sub-basket (\$ a month)		15.3	25.2
Mobile-cellular sub-basket (\$ a month)		17.6	
Fixed-broadband sub-basket (\$ a month)		19.0	
Trade		13.0	25.2
ICT goods exports (% of total goods exports)	2.6	1.9	8.9
ICT goods imports (% of total goods imports)	6.1	4.4	
ICT service exports (% of total service exports)	12.5	14.5	
Applications	12.0	17.5	50.0
Online service index (0-1, 1=highest presence)	0.57	0.64	0.67
Secure Internet servers (per million people)	39.6	188.5	
ocours internet servers (per minion people)	55.0	100.0	021.0

Cuba

			ncome
	Countr	v data	Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	11	11	2,39
Urban population (% of total)	76	75	61
GNI per capita, World Bank Atlas method (\$)	3,950	5,890	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.6	4.4	6.2
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	86	85	76
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	M P	M	
Internet service	R R	P R	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowe		A	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	2.9 7.5		2.5 18.2
Access			
Fixed-telephone subscriptions (per 100 people)	7.6	10.8	19.4
Mobile-cellular telephone subscriptions (per 100 people)	1.2	14.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	
Households with a computer (%)	0.2a	4.6	
Households with Internet access at home (%) Usage	0.0	3.8	a 36.3
Int'l. voice traffic, total (minutes/subscription/month)	26.5	11.9	1.3
Domestic mobile traffic (minutes/subscription/month)	53.0	36.6	
Individuals using the Internet (%)	9.7	25.6	a 41.6
Quality			
Population covered by a mobile-cellular network (%)	71	85	99
Fixed (wired)-broadband subscriptions (% of total Internet)	5.8	11.9	95.
International Internet bandwidth (bit/s per Internet user) Affordability	95	158	14,580
Fixed-telephone sub-basket (\$ a month)		0.3	9.4
Mobile-cellular sub-basket (\$ a month)		26.5	
Fixed-broadband sub-basket (\$ a month)		1,760.4	
Trade		,	
ICT goods exports (% of total goods exports)	0.9		17.6
ICT goods imports (% of total goods imports)	2.6		14.7
			29.
ICT service exports (% of total service exports)			
ICT service exports (% of total service exports)	0.40	0.31	0.42

Curação

	Counti	Country data i	
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.14	0.15	1,300
Urban population (% of total)			80
GNI per capita, World Bank Atlas method (\$)			38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Teg. treatment of von (builled, closed, no numework, unowed)			
Sector efficiency and capacity Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)			43.6
Mobile-cellular telephone subscriptions (per 100 people)			122.9
Fixed (wired)-broadband subscriptions (per 100 people)			26.2
Households with a computer (%)			77.7
Households with Internet access at home (%)			75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)			75.4
Quality		•	10.1
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.9
International Internet bandwidth (bit/s per Internet user) Affordability			85,990
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade		•	20.2
ICT goods exports (% of total goods exports)			8.9
ICT goods imports (% of total goods imports)			10.8
ICT service exports (% of total service exports)			30.8
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)		187.5	827.6

Cyprus

	Counti	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	1	1	1,300
Urban population (% of total)	69	71	80
GNI per capita, World Bank Atlas method (\$)	21,490	26,110	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.1	1.5	1.0
Adult literacy rate (% ages 15 and older)	97	99	
Gross primary, secondary, tertiary school enrollment (%)	78	78	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	Р	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.1	2.7
Telecommunications investment (% of revenue)	15.0	11.9	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	40.7	33.1	43.6
Mobile-cellular telephone subscriptions (per 100 people)	75.8	98.4	
Fixed (wired)-broadband subscriptions (per 100 people)	3.1	19.2	26.2
Households with a computer (%)	46.0	70.0	
Households with Internet access at home (%)	31.7	62.0	
Usage	01	02.0	
Int'l. voice traffic, total (minutes/subscription/month)	57.5	40.2	
Domestic mobile traffic (minutes/subscription/month)	174.0	228.7	113.6
Individuals using the Internet (%)	32.8	61.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	35.0	96.5	95.9
International Internet bandwidth (bit/s per Internet user)	1,328	69,698	
Affordability Fixed talaphana sub-basket (\$ a month)		25.2	25.2
Fixed-telephone sub-basket (\$ a month)		8.4	20.6
Mobile-cellular sub-basket (\$ a month)		21.9	
Fixed-broadband sub-basket (\$ a month) Trade		21.9	29.2
ICT goods exports (% of total goods exports)	25.0	3.5	8.9
ICT goods imports (% of total goods imports)	10.8	4.1	10.8
ICT service exports (% of total service exports)	21.1	25.1	30.8
Applications	41.1	20.1	30.0
Online service index (0-1, 1=highest presence)	0.60	0.56	0.67
Secure Internet servers (per million people)	175.3	621.4	
Coodio internet servers (per minion people)	110.0	021.4	021.0

Czech Republic

	Count	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	10	11	1,300
Urban population (% of total)	74	73	80
GNI per capita, World Bank Atlas method (\$)	11,920	18,130	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.9	1.6	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	83	88	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	С	P	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	1.9	2.7
Telecommunications investment (% of revenue)	11.7	20.8	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	31.4	19.9	43.6
Mobile-cellular telephone subscriptions (per 100 people)	115.1	126.8	
Fixed (wired)-broadband subscriptions (per 100 people)	6.9	16.4	
Households with a computer (%)	30.0	75.0	
Households with Internet access at home (%)	19.1	71.0	
Usage	10.1	11.0	10.0
Int'l. voice traffic, total (minutes/subscription/month)	7.4	9.7	
Domestic mobile traffic (minutes/subscription/month)	50.3	97.8	113.6
Individuals using the Internet (%)	35.3	75.0	
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	30.1	100.0	95.9
International Internet bandwidth (bit/s per Internet user)	13,620	100,062	85,990
Affordability	-,-	,	,
Fixed-telephone sub-basket (\$ a month)		29.1	25.2
Mobile-cellular sub-basket (\$ a month)		27.7	20.6
Fixed-broadband sub-basket (\$ a month)		22.6	29.2
Trade			
ICT goods exports (% of total goods exports)	11.1	14.5	8.9
ICT goods imports (% of total goods imports)	11.2	14.7	10.8
ICT service exports (% of total service exports)	24.4	36.1	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.67	0.54	0.67
Secure Internet servers (per million people)	41.6	559.3	827.6
. , , ,			

Denmark

	Country data		High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	5	6	1,300
Urban population (% of total)	86	87	80
GNI per capita, World Bank Atlas method (\$)	48,590	59,870	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.2	-0.4	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	103	100	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.0	2.7
Telecommunications investment (% of revenue)	17.2	17.2	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	61.8	43.4	43.6
Mobile-cellular telephone subscriptions (per 100 people)	100.6	117.6	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	24.8	38.8	26.2
Households with a computer (%)	84.0	92.2	77.7
Households with Internet access at home (%)	74.9	92.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		18.2	
Domestic mobile traffic (minutes/subscription/month)	99.1	146.1	113.6
Individuals using the Internet (%)	82.7	93.0	75.4
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)	74.3	96.3	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	42,041	174,801	85,990
Fixed-telephone sub-basket (\$ a month)		30.5	25.2
Mobile-cellular sub-basket (\$ a month)		10.3	20.6
Fixed-broadband sub-basket (\$ a month)		46.4	29.2
Trade			
ICT goods exports (% of total goods exports)	7.1	3.5	8.9
ICT goods imports (% of total goods imports)	12.4	8.2	10.8
ICT service exports (% of total service exports)			30.8
Applications			
Online service index (0-1, 1=highest presence)	0.91	0.86	0.67
Secure Internet servers (per million people)	411.3	2,104.5	827.6

Djibouti

Middle East & North Africa	Lower m	iddle i	ncome
	Countr	v data	Lower middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.78	0.86	2,507
Urban population (% of total)	77	77	39
GNI per capita, World Bank Atlas method (\$)	1,030		1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.0		6.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	25	37	64
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		М	
Mobile telephone service		М	
Internet service	M	M	
Foreign ownership (not allowed, restricted, allowed)	No d) B	No C	
Reg. treatment of VoIP (banned, closed, no framework, allower	u) b		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8		2.5
Telecommunications investment (% of revenue)	25.6	14.3	20.5
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.4	2.3	5.4
Mobile-cellular telephone subscriptions (per 100 people)	5.7	24.7	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	1.7	
Households with a computer (%)	6.8	15.5	
Households with Internet access at home (%)	0.6	5.1	a 12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		124.9	
Domestic mobile traffic (minutes/subscription/month)	50.2	32.0	
Individuals using the Internet (%)	1.0	8.3	a 18.7
Quality	75	95	86
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.2	79.6	
International Internet bandwidth (bit/s per Internet user)	6,076	11,960	
Affordability	0,076	11,900	0,070
Fixed-telephone sub-basket (\$ a month)		6.9	4.9
Mobile-cellular sub-basket (\$ a month)		13.2	
Fixed-broadband sub-basket (\$ a month)		31.6	
Trade		01.0	20.0
ICT goods exports (% of total goods exports)		0.1	4.6
ICT goods imports (% of total goods imports)		5.4	
ICT service exports (% of total service exports)	5.1		47.4
Applications	0.1		
Online service index (0-1, 1=highest presence)	0.23	0.20	0.32
Secure Internet servers (per million people)	1.3	4.6	
(For minor poopio)	2.0	0	

Dominica

Economic and social context Population (millions) 0.00 Urban population (% of total) 6 GNI per capita, World Bank Atlas method (\$) 4,986 GDP growth, 2000-05 and 2005-12 (avg. annual %) 1.3 Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Yestatus of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) 8. Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	middle i	
Economic and social context Population (millions) 0.00 Urban population (% of total) 6 GNI per capita, World Bank Atlas method (\$) 4,986 GDP growth, 2000-05 and 2005-12 (avg. annual %) 1.3 Adult literacy rate (% ages 15 and older) 6 Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Yestatus of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) 8. Telecommunications investment (% of revenue) 18. Sector performance Access Fixed-telephone subscriptions (per 100 people) 73. Fixed (wired)-broadband subscriptions (per 100 people) 4. Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) 38. Individuals using the Internet (%) 38. Quality Population covered by a mobile-cellular network (%) 74. Fixed (wired)-broadband subscriptions (% of total Internet) 1. International Internet bandwidth (bit/s per Internet user) 7. Affordability Fixed-telephone sub-basket (\$ a month) 7. Fixed-telephone sub-basket (\$ a month) 7. Trade ICT goods imports (% of total goods exports) 0 CT goods imports (% of total service exports) 25. Applications	itry data	Upper middle- income
Economic and social context Population (millions) 0.0 Urban population (% of total) 6 GNI per capita, World Bank Atlas method (\$) 4,986 GDP growth, 2000-05 and 2005-12 (avg. annual %) 1.1 Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Ye Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) 8. Sector performance Access Fixed-telephone subscriptions (per 100 people) 73. Fixed (wired)-broadband subscriptions (per 100 people) 73. Households with a computer (%) Households with a computer (%) Households with internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) 38. Individuals using the Internet (%) 38.3 Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) 1,40 Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)		group 2012
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications investment (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) A1 Domestic mobile traffic (minutes/subscription/month) A1 Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) A1 Fixed-telephone sub-basket (\$ a month) Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-telephone sub-basket (\$ a month) Fixed-telephone sub-basket (\$ a month) Fixed-trade ICT goods exports (% of total goods exports) CT goods imports (% of total goods exports) CT goods imports (% of total goods imports) Applications		
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GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Jomestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	7 67	7 6
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ICT service exports (% of total service exports) 25.3 Applications		
Applications		
	. 160	20.
Online service index (0-1, 1=highest presence) 0.3	7 0.29	0.4:
Secure Internet servers (per million people) 113.		

Dominican Republic

Latin America & Caribbean	n America & Caribbean Upper middle ir		
	0		Upper middle- income
	2005	y data 2012	group 2012
Economic and social context	2000	2012	2012
Population (millions)	9	10	2,391
Urban population (% of total)	66	70	,
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,880	5,470	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	3.1	6.0	,
Adult literacy rate (% ages 15 and older)	88	90	
Gross primary, secondary, tertiary school enrollment (%)			76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	3.3	
Telecommunications investment (% of revenue)	192.0	16.1	18.2
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	9.6	10.4	19.4
Mobile-cellular telephone subscriptions (per 100 people)	38.8	86.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.6	4.3	
Households with a computer (%)	8.7	19.8	
Households with Internet access at home (%)	3.1	13.7	
Usage	5.1	10.7	30.0
Int'l. voice traffic, total (minutes/subscription/month)		12.8	1.3
Domestic mobile traffic (minutes/subscription/month)		26.1	284.4
Individuals using the Internet (%)	11.5	45.0	a 41.6
Quality			
Population covered by a mobile-cellular network (%)		95	
Fixed (wired)-broadband subscriptions (% of total Internet)	45.1	90.4	
International Internet bandwidth (bit/s per Internet user)	2,889	14,874	14,580
Affordability		400	
Fixed-telephone sub-basket (\$ a month)		16.6	
Mobile-cellular sub-basket (\$ a month)		14.9	
Fixed-broadband sub-basket (\$ a month) Trade		23.3	17.8
ICT goods exports (% of total goods exports)	7.2	0.9	17.6
ICT goods exports (% of total goods exports)	4.2	3.2	
ICT service exports (% of total service exports)	2.8	4.3	
Applications	2.0	4.3	23.1
Online service index (0-1, 1=highest presence)	0.49	0.54	0.42
Secure Internet servers (per million people)	5.6	20.4	
cood. acomoc oor roro (por million people)	5.0	20.4	10.0

Ecuador

Latin America & Caribbean U	pper m	iddle i	ncome
	Countr	v data	Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	14	15	2,39
Urban population (% of total)	64	68	61
GNI per capita, World Bank Atlas method (\$)	2,890	5,170	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.8	4.0	6.2
Adult literacy rate (% ages 15 and older)	84	92	94
Gross primary, secondary, tertiary school enrollment (%)			76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	2.3	2.5
Telecommunications investment (% of revenue)		13.9	18.2
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.2	14.9	19.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	12.2 45.3	14.9 106.2	19. ⁴ 92. ⁴
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.2 45.3 0.2	14.9 106.2 5.3	19. ⁴ 92. ⁴ 10.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.2 45.3 0.2 17.9	14.9 106.2 5.3 32.2	19.4 92.4 10.8 40.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.2 45.3 0.2	14.9 106.2 5.3	19.4 92.4 10.8 40.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.2 45.3 0.2 17.9	14.9 106.2 5.3 32.2	19.4 92.4 10.8 40.6 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.2 45.3 0.2 17.9 2.5	14.9 106.2 5.3 32.2 22.5	19.4 92.4 10.8 40.6 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.2 45.3 0.2 17.9 2.5	14.9 106.2 5.3 32.2 22.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.2 45.3 0.2 17.9 2.5	14.9 106.2 5.3 32.2 22.5 4.4 77.6	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.2 45.3 0.2 17.9 2.5	14.9 106.2 5.3 32.2 22.5 4.4 77.6	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	12.2 45.3 0.2 17.9 2.5 6.0 ^a	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.2 45.3 0.2 17.9 2.5 6.0a	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1	19.4 92.4 10.8 40.0 36.3 1.3 284.4 41.0 9.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.8 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2 31,804	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2 31,804	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2 31,804 6.9 17.1	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2 31,804 6.9 17.1	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 9.9 5.5 14,580 9.4 14.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2 31,804 6.9 17.1 20.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99.5 14,580 14.5 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2 31,804 6.9 17.1 20.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.8 14,580 17.8 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422 	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2 31,804 6.9 17.1 20.2	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.8 14,580 17.8 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.2 45.3 0.2 17.9 2.5 6.0 ^a 80 19.5 2,422 	14.9 106.2 5.3 32.2 22.5 4.4 77.6 35.1 96 94.2 31,804 6.9 17.1 20.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6

Egypt, Arab Rep.

income

Middle East & North Africa	Lower middle
Miluule East & Multil Allica	Lower illiante

	0	Country data		r Country data	
			group		
	2005	2012	2012		
Economic and social context					
Population (millions)	72	81	,		
Urban population (% of total)	43	44			
GNI per capita, World Bank Atlas method (\$)	1,290	2,980			
GDP growth, 2000–05 and 2005–12 (avg. annual %)	3.4	5.1			
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	71 76	74 77			
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)	1111100	1111100			
International gateway(s)	М	Р			
Mobile telephone service	Р	C			
Internet service	C	C			
Foreign ownership (not allowed, restricted, allowed)	A	A			
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	A			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.8	2.8	2.5		
Telecommunications investment (% of revenue)	35.2	33.4	20.5		
Sector performance					
Access	445	40.0			
Fixed-telephone subscriptions (per 100 people)	14.5	10.6			
Mobile-cellular telephone subscriptions (per 100 people)	19.0	119.9			
Fixed (wired)-broadband subscriptions (per 100 people)	0.2	2.8 37.9			
Households with Internet access at home (%)	15.3	32.3			
Households with Internet access at home (%) Usage	13.3	32.3	12.4		
Int'l. voice traffic, total (minutes/subscription/month)	7.6	5.5	6.5		
Domestic mobile traffic (minutes/subscription/month)	36.0	119.6			
Individuals using the Internet (%)	12.8	44.1			
Quality	12.0	77.1	10.1		
Population covered by a mobile-cellular network (%)	92	100	86		
Fixed (wired)-broadband subscriptions (% of total Internet)	5.5	93.8			
International Internet bandwidth (bit/s per Internet user)	413	4,242			
Affordability					
Fixed-telephone sub-basket (\$ a month)		3.0			
Mobile-cellular sub-basket (\$ a month)		6.3			
Fixed-broadband sub-basket (\$ a month)		7.6	20.6		
Trade					
ICT goods exports (% of total goods exports)	0.1	0.2			
ICT goods imports (% of total goods imports)	4.4	3.4			
ICT service exports (% of total service exports)	13.2	7.3	47.1		
Applications	0.40	0.00	0.00		
Online service index (0-1, 1=highest presence)	0.48	0.60			
Secure Internet servers (per million people)	0.5	3.5	4.4		

El Salvador

Latin America & Caribbean L	Lower middle incom			
	Countr		Lower middle- income group	
	2005	2012	2012	
Economic and social context				
Population (millions)	6	6	2,507	
Urban population (% of total)	62	65	39	
GNI per capita, World Bank Atlas method (\$)	2,810	3,590	1,893	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.3	1.2	6.0	
Adult literacy rate (% ages 15 and older)	84	84	71	
Gross primary, secondary, tertiary school enrollment (%)	72	71	64	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		C		
Mobile telephone service	С	C		
Internet service	С	C		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	4.1	3.8	2.5	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	4.1 13.6	3.8 17.7		
Telecommunications investment (% of revenue) Sector performance Access	13.6	17.7	20.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	13.6	17.7	20.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	13.6 16.0 39.7	17.7 16.8 137.3	20.5 5.4 83.2	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	13.6 16.0 39.7 0.7	17.7 16.8 137.3 3.8	5.4 83.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	13.6 16.0 39.7 0.7 7.4	16.8 137.3 3.8 15.3	5.4 83.1 1.4 15.0	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	13.6 16.0 39.7 0.7	17.7 16.8 137.3 3.8	5.4 83.1 1.4 15.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	13.6 16.0 39.7 0.7 7.4	16.8 137.3 3.8 15.3	5.4 83.1 1.4 15.0 a 12.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	13.6 16.0 39.7 0.7 7.4 2.1	16.8 137.3 3.8 15.3 15.0	5.4 83.1 1.4 15.0 6.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	13.6 16.0 39.7 0.7 7.4 2.1	17.7 16.8 137.3 3.8 15.3 15.0 27.5	5.4 83.1 1.4 15.0 6.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	13.6 16.0 39.7 0.7 7.4 2.1 	16.8 137.3 3.8 15.3 15.0 27.5 86.9	5.4 83.1 1.4 15.0 6.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	13.6 16.0 39.7 0.7 7.4 2.1 	16.8 137.3 3.8 15.3 15.0 27.5 86.9	5.4 83.1 1.4 15.0 6.8 18.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 ^a	16.8 137.3 3.8 15.3 15.0 27.5 86.9	20.8 5.4 83.1 1.4 15.0 6.8 12.4 6.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 ^a 95	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5	20.8 5.4 83.1 1.4 15.0 6.8 18.7 86 58.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 ^a 95 33.2	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5	20.8 5.4 83.1 1.4 15.0 6.8 18.7 86 58.2 8,076	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 ^a 95 33.2	17.7 16.8 137.3 3.8 15.3: 15.0: 27.5 86.9 25.5: 99.3 6,850 6.9	20.5 5.4 83.1 1.4 1.5 6.5 18.7 86 58.2 8,076	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 ^a 95 33.2 608	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5 99.3 6,850 6.9 14.7	20.8 5.4 83.1 15.0 6.8 18.3 18.3 86 58.2 8,076 4.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 95 33.2 608	17.7 16.8 137.3 3.8 15.3: 15.0: 27.5 86.9 25.5: 99.3 6,850 6.9	20.8 5.4 83.1 15.0 6.8 18.3 18.3 86 58.2 8,076 4.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2a 95 33.2 608	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5 99.3 6,850 6.9 14.7 20.3	20.8 83.1 1.4 15.0 6.8 18.7 80 58.2 8,070 4.9 10.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 95 33.2 608	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5 99.3 6,850 6.9 14.7 20.3 0.4	20.5 5.4 83.1 1.4 15.0 6.5 86 58.2 8,076 4.5 20.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 95 33.2 608 0.2 3.6	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5 99.3 6,850 6.9 14.7 20.3 0.4 5.0	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.5 20.6 4.6 7.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 95 33.2 608	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5 99.3 6,850 6.9 14.7 20.3 0.4	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 ^a 95 33.2 608 0.2 3.6 8.4	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5 99.3 6,850 6.9 14.7 20.3 0.4 5.0 11.5	20.5 5.4 83.1 1.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	13.6 16.0 39.7 0.7 7.4 2.1 33.2 4.2 95 33.2 608 0.2 3.6	17.7 16.8 137.3 3.8 15.3 15.0 27.5 86.9 25.5 99.3 6,850 6.9 14.7 20.3 0.4 5.0	20.5 5.4 83.1 1.4 6.5 12.4 6.5 8.076 4.9 10.5 20.6 4.6 7.2 47.1	

Equatorial Guinea

	Counti	Country data		Country data		Country data i	
-	2005	2012	group 2012				
Economic and social context							
Population (millions)	0.60	0.74	1,300				
Urban population (% of total)	39	40	80				
GNI per capita, World Bank Atlas method (\$)	5,250	13,560	38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)	26.0	3.1	1.0				
Adult literacy rate (% ages 15 and older)	88	94					
Gross primary, secondary, tertiary school enrollment (%)			93				
Sector structure							
Separate telecommunications/ICT regulator	No	Yes					
Status of main fixed-line telephone operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)		P					
Mobile telephone service		C					
Internet service	М	С					
Foreign ownership (not allowed, restricted, allowed)	No	R					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)			2.7				
Telecommunications investment (% of revenue)			17.6				
Sector performance							
Access	4.7		40.0				
Fixed-telephone subscriptions (per 100 people)	1.7	2.0	43.6				
Mobile-cellular telephone subscriptions (per 100 people)	16.1	68.1	122.9				
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.2	26.2				
Households with a computer (%)			77.7				
Households with Internet access at home (%)			75.5				
Usage							
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)			113.6				
Individuals using the Internet (%)	1.1	13.9					
Quality	1.1	13.3	13.4				
Population covered by a mobile-cellular network (%)			100				
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0		95.9				
International Internet bandwidth (bit/s per Internet user)	2,421	2,123	85,990				
Affordability	2, .21	2,120	00,000				
Fixed-telephone sub-basket (\$ a month)			25.2				
Mobile-cellular sub-basket (\$ a month)			20.6				
Fixed-broadband sub-basket (\$ a month)			29.2				
Trade							
ICT goods exports (% of total goods exports)			8.9				
ICT goods imports (% of total goods imports)			10.8				
ICT service exports (% of total service exports)			30.8				
Applications							
Online service index (0-1, 1=highest presence)	0.29	0.10	0.67				
Secure Internet servers (per million people)		1.3	827.6				

Eritrea

Sub-Saharan Africa Low income

	Countr	Country data		Country data	
-	2005	2012	group 2012		
Economic and social context					
Population (millions)	5	6	846		
Urban population (% of total)	19	22	28		
GNI per capita, World Bank Atlas method (\$)	230	450	590		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.9	1.2	5.9		
Adult literacy rate (% ages 15 and older)	53	69	61		
Gross primary, secondary, tertiary school enrollment (%)	30	25	60		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line telephone operator	Public	Public			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	M	М	1		
Mobile telephone service	Р	P	1		
Internet service	Р	P	1		
Foreign ownership (not allowed, restricted, allowed)					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.1	3.1			
Telecommunications investment (% of revenue)	57.6	70.0			
Sector performance Access					
Fixed-telephone subscriptions (per 100 people)	0.8	1.0	1.0		
Mobile-cellular telephone subscriptions (per 100 people)	0.8	5.0	47.2		
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2		
Households with a computer (%)	0.2	1.5	a 4.2		
Households with Internet access at home (%)	0.2a	1.1	a 3.4		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)		76.5			
Domestic mobile traffic (minutes/subscription/month)	81.4	88.7	70.1		
Individuals using the Internet (%)	0.4a	0.8	a 6.2		
Quality					
Population covered by a mobile-cellular network (%)	2	85			
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	13.0	30.9		
International Internet bandwidth (bit/s per Internet user)	562	1,284	9,141		
Affordability					
Fixed-telephone sub-basket (\$ a month)		4.1	8.9		
Mobile-cellular sub-basket (\$ a month)		11.8			
Fixed-broadband sub-basket (\$ a month)		1,596.5	46.9		
Trade		,			
ICT goods exports (% of total goods exports)	0.2				
ICT goods imports (% of total goods imports)	3.0				
ICT service exports (% of total service exports)					
Applications					
Online service index (0-1, 1=highest presence)	0.20	0.21	0.20		
Secure Internet servers (per million people)	0.20	0.21			
manacontaio (por minion poopio)			1.1		

Estonia

	Countr	Country data		ir Country data	
-	2005	2012	group 2012		
Economic and social context					
Population (millions)	1	1	1,300		
Urban population (% of total)	69	70	80		
GNI per capita, World Bank Atlas method (\$)	9,690	16,270	38,412		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	7.1	0.3	1.0		
Adult literacy rate (% ages 15 and older)	100	100			
Gross primary, secondary, tertiary school enrollment (%)	95	96	93		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С				
Mobile telephone service	С	С			
Internet service	C	С			
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	5.5	2.6	2.7		
Telecommunications investment (% of revenue)	8.2	26.0	17.6		
Sector performance					
Access					
Fixed-telephone subscriptions (per 100 people)	33.4	34.7			
Mobile-cellular telephone subscriptions (per 100 people)	109.1	160.4			
Fixed (wired)-broadband subscriptions (per 100 people)	13.5	25.5			
Households with a computer (%)	43.0	76.0			
Households with Internet access at home (%)	38.7	75.0	75.5		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)	6.9	9.0			
Domestic mobile traffic (minutes/subscription/month)	75.0	115.0			
Individuals using the Internet (%)	61.5	79.0	75.4		
Quality					
Population covered by a mobile-cellular network (%)	99	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	91.0	95.6	95.9		
International Internet bandwidth (bit/s per Internet user)	5,895	26,478	85,990		
Affordability					
Fixed-telephone sub-basket (\$ a month)		12.8	25.2		
Mobile-cellular sub-basket (\$ a month)		24.6	20.6		
Fixed-broadband sub-basket (\$ a month)		22.2	29.2		
Trade					
ICT goods exports (% of total goods exports)	17.0	10.9	8.9		
ICT goods imports (% of total goods imports)	13.0	10.7	10.8		
ICT service exports (% of total service exports)	17.2	26.2	30.8		
Applications					
Online service index (0-1, 1=highest presence)	0.76	0.82	0.67		
Secure Internet servers (per million people)	101.4	749.2	827.6		

Ethiopia

Sub-Saharan Africa Low income

Low-

	Country	y data	income group
-	2005	2012	2012
Economic and social context			
Population (millions)	76	92	846
Urban population (% of total)	16	17	28
GNI per capita, World Bank Atlas method (\$)	160	380	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.6	9.7	5.9
Adult literacy rate (% ages 15 and older)	30		. 61
Gross primary, secondary, tertiary school enrollment (%)	43		. 60
Sector structure			
Separate telecommunications/ICT regulator	Yes	No	1
Status of main fixed-line telephone operator	Public	Public	;
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	M	
Mobile telephone service	М	M	'
Internet service	М	M	
Foreign ownership (not allowed, restricted, allowed)	No	No	1
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.7	
Telecommunications investment (% of revenue)	82.1	36.2	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.9	1.0
Mobile-cellular telephone subscriptions (per 100 people)	0.5	22.4	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	0.2	2.1	a 4.2
Households with Internet access at home (%)	0.0a	1.9	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	13.5	3.1	
Domestic mobile traffic (minutes/subscription/month)	90.9	55.8	
Individuals using the Internet (%) Quality	0.2	1.5	a 6.2
Population covered by a mobile-cellular network (%)	10	73	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	3.2	30.9
International Internet bandwidth (bit/s per Internet user)	347	4,779	9,141
Affordability Fixed-telephone sub-basket (\$ a month)		1.0	8.9
Mobile-cellular sub-basket (\$ a month)		3.8	
Fixed-broadband sub-basket (\$ a month)		23.7	
Trade		23.1	40.8
ICT goods exports (% of total goods exports)	0.0	0.2	
ICT goods imports (% of total goods imports)	7.0	3.5	
ICT service exports (% of total service exports)	10.9	6.5	
Applications	10.0	0.0	•
Online service index (0-1, 1=highest presence)	0.19	0.47	0.20
Secure Internet servers (per million people)	0.0	0.2	1.1
and the second of the second o			

Faeroe Islands

	Countr	Country data		Country data i		`Allintry data	
-	2005	2012	group 2012				
Economic and social context							
Population (millions)	0.05	0.05	1,300				
Urban population (% of total)	40	41	80				
GNI per capita, World Bank Atlas method (\$)			38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0				
Adult literacy rate (% ages 15 and older)							
Gross primary, secondary, tertiary school enrollment (%)			93				
Sector structure							
Separate telecommunications/ICT regulator							
Status of main fixed-line telephone operator							
Level of competition (competition, partial comp., monopoly)							
International gateway(s)							
Mobile telephone service							
Internet service							
Foreign ownership (not allowed, restricted, allowed)							
Reg. treatment of VoIP (banned, closed, no framework, allowed)							
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	3.5		2.7				
Telecommunications investment (% of revenue)			17.6				
Sector performance							
Access	48.5	37.7	43.6				
Fixed-telephone subscriptions (per 100 people)			122.9				
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	85.5 11.9	118.6 33.0	26.2				
Households with a computer (%)			77.7				
Households with Internet access at home (%)		••	75.5				
Usage		••	75.5				
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)	73.1	122.4	113.6				
Individuals using the Internet (%)	67.9a	85.3					
Quality	01.5	00.0	10.4				
Population covered by a mobile-cellular network (%)	100	100	100				
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	100.0	95.9				
International Internet bandwidth (bit/s per Internet user)	4,793		85,990				
Affordability	1,100		00,000				
Fixed-telephone sub-basket (\$ a month)			25.2				
Mobile-cellular sub-basket (\$ a month)			20.6				
Fixed-broadband sub-basket (\$ a month)			29.2				
Trade			20.2				
ICT goods exports (% of total goods exports)	0.0	0.0	8.9				
ICT goods imports (% of total goods imports)	4.3	4.3	10.8				
ICT service exports (% of total service exports)	30.1	25.8	30.8				
Applications							
Online service index (0-1, 1=highest presence)			0.67				
Secure Internet servers (per million people)	61.5	1,632.7	827.6				
(Fran bookia)		-,	0				



ast Asia & Pacific Upper middle income				
	Countr	y data	Upper middle- income	
	2005	2012	group 2012	
Economic and social context				
Population (millions)	0.82	0.87	2.391	
Urban population (% of total)	50	53	,	
GNI per capita, World Bank Atlas method (\$)	3,590	4,110	6,969	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.6	0.4		
Adult literacy rate (% ages 15 and older)			94	
Gross primary, secondary, tertiary school enrollment (%)	78	88	76	
Sector structure				
Separate telecommunications/ICT regulator	No	Yes		
Status of main fixed-line telephone operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		C		
Mobile telephone service	М	C		
Internet service		C		
Foreign ownership (not allowed, restricted, allowed)		А		
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	4.7		2.5	
Telecommunications investment (% of revenue)	20.2		18.2	
Sector performance				
Access				
Fixed-telephone subscriptions (per 100 people)	13.7	10.1	19.4	
Mobile-cellular telephone subscriptions (per 100 people)	24.9	98.2		
Fixed (wired)-broadband subscriptions (per 100 people)	0.9	1.5	10.8	
Households with a computer (%)				
	13.0	31.7	40.6	
Households with Internet access at home (%)	13.0 8.0		a 40.6	
Households with Internet access at home (%) Usage		31.7	40.6 36.3	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)		31.7	40.6 36.3	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	8.0	31.7 24.4 	40.6 36.3 1.3 284.4	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	8.0	31.7 24.4	40.6 36.3 1.3 284.4	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	8.0 8.5	31.7 24.4 	40.6 36.3 1.3 284.4 41.6	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	8.0 8.5	31.7 24.4 33.7	40.6 40.6 36.3 1.3 284.4 41.6	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	8.0 8.5 60 52.6	31.7 24.4 33.7	40.6 40.6 36.3 1.3 284.4 41.6 95	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	8.0 8.5	31.7 24.4 33.7	40.6 40.6 36.3 1.3 284.4 41.6 95	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	8.0 8.5 60 52.6	31.7 24.4 33.7	40.6 36.3 1.3 284.4 41.6 99 95.5 14,580	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	8.0 8.5 60 52.6 1,036	31.7 24.4 33.7 59.6 9,232	40.6 36.3 1.3 284.4 41.6 99 95.5 14,580	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	8.0 8.5 60 52.6 1,036	31.7 24.4 33.7 59.6 9,232	40.6 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	8.0 8.5 60 52.6 1,036 	31.7 24.4 33.7 59.6 9,232 6.9 21.1 19.5	40.6 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	8.0 8.5 60 52.6 1,036	31.7 24.4 33.7 59.6 9,232 6.9 21.1	40.6 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	8.0 8.5 60 52.6 1,036 	31.7 24.4 33.7 59.6 9,232 6.9 21.1 19.5	40.6 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	8.0 8.5 60 52.6 1,036 	31.7 24.4 33.7 59.6 9,232 6.9 21.1 19.5	40.63 40.63 36.3 284.4 41.6 99 95.5 14,580 9.4 17.8 17.6 14.7	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	8.0 8.5 60 52.6 1,036 	31.7 24.4 33.7 59.6 9,232 6.9 21.1 19.5 0.8 4.2 4.3	40.6 40.6 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8 17.6 14.7 29.1	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	8.0 8.5 60 52.6 1,036 	31.7 24.4 33.7 59.6 9,232 6.9 21.1 19.5 0.8 4.2	40.6 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8 17.6 14.7 29.1	

Finland

	Count	Country data		Country data	
	2005	2012	group 2012		
Economic and social context					
Population (millions)	5	5	1,300		
Urban population (% of total)	83	84	80		
GNI per capita, World Bank Atlas method (\$)	38,550	46,490	38,412		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.6	0.4	1.0		
Adult literacy rate (% ages 15 and older)					
Gross primary, secondary, tertiary school enrollment (%)	101	101	93		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	C			
Mobile telephone service	Р	C			
Internet service	С	C			
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	2.7	2.0	2.7		
Telecommunications investment (% of revenue)	9.8	15.0	17.6		
Sector performance Access					
Fixed-telephone subscriptions (per 100 people)	40.4	16.4	43.6		
Mobile-cellular telephone subscriptions (per 100 people)	100.5	172.3	122.9		
Fixed (wired)-broadband subscriptions (per 100 people)	22.4	30.3	26.2		
Households with a computer (%)	63.9	88.0	77.7		
Households with Internet access at home (%)	54.1	87.0	75.5		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)	171.5	177.5	113.6		
Individuals using the Internet (%)	74.5	91.0	75.4		
Quality					
Population covered by a mobile-cellular network (%)	99	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	57.1		95.9		
International Internet bandwidth (bit/s per Internet user) Affordability	5,788	159,294	85,990		
Fixed-telephone sub-basket (\$ a month)		31.4	25.2		
Mobile-cellular sub-basket (\$ a month)		13.8			
Fixed-broadband sub-basket (\$ a month)		37.4			
Trade		01.1	20.2		
ICT goods exports (% of total goods exports)	20.3	4.0	8.9		
ICT goods imports (% of total goods imports)	14.3	6.9			
ICT service exports (% of total service exports)	32.3	45.7			
Applications	02.0		55.0		
Online service index (0-1, 1=highest presence)	0.75	0.88	0.67		
Secure Internet servers (per million people)	308.2	1,554.7			
(F1		-, ///			

France

	Country data		High- income group
•	2005	2012	2012
Economic and social context			
Population (millions)	63	66	1,300
Urban population (% of total)	82	86	80
GNI per capita, World Bank Atlas method (\$)	34,850	41,750	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.5	0.5	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	93	94	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	C	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.1	2.7
Telecommunications investment (% of revenue)	15.6	17.6	
- Total Communication of the C	10.0	11.0	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	54.9	61.5	43.6
Mobile-cellular telephone subscriptions (per 100 people)	78.3	97.4	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	15.4	37.5	
Households with a computer (%)	54.3a	81.0	77.7
Households with Internet access at home (%)	34.4	80.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	13.6	19.5	
Domestic mobile traffic (minutes/subscription/month)	138.0	160.4	113.6
Individuals using the Internet (%)	42.9	83.0	75.4
Quality	.2.0	00.0	
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	99.1	95.9
International Internet bandwidth (bit/s per Internet user)	7,593	83,918	
Affordability	1,555	00,010	00,000
Fixed-telephone sub-basket (\$ a month)		28.1	25.2
Mobile-cellular sub-basket (\$ a month)		42.2	20.6
Fixed-broadband sub-basket (\$ a month)		29.2	29.2
Trade			
ICT goods exports (% of total goods exports)	6.3	4.1	8.9
ICT goods imports (% of total goods imports)	8.5	6.2	10.8
ICT service exports (% of total service exports)	23.8	32.6	
Applications			22.0
Online service index (0-1, 1=highest presence)	0.80	0.88	0.67
Secure Internet servers (per million people)	76.1	487.0	
Table 1 married (por minion poopio)			020

French Polynesia

Countr	y data	High- income group
2005	2012	2012
0.25	0.27	1,300
52	51	80
		38,412
		1.0
		93
		2.7
		17.6
		43.6
		122.9
	14.7	26.2
45.0		77.7
		75.5
21.5	52.9ª	75.4
		100
		95.9
1,639	13,814	85,990
		25.2
		20.6
		29.2
		8.9
		10.8
13.5	9.7	30.8
		0.07
		0.67
58.9	133.6	827.6
	2005 0.25 52 20.9 47.1 4.3 45.0 9.1 116.7 21.5 96 59.5 1,639	Country data 2005 2012 0.25 51

Gabon

Sub-Saharan Africa U	Upper middle incom			
			Upper	
	Countr		middle- income	
	2005	2012	group 2012	
Economic and social context				
Population (millions)	1	2	2,391	
Urban population (% of total)	83	86	61	
GNI per capita, World Bank Atlas method (\$)	5,080	10,040	6,969	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.6	3.1	6.2	
Adult literacy rate (% ages 15 and older)	84	89	94	
Gross primary, secondary, tertiary school enrollment (%)			76	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		C		
Mobile telephone service	С	C		
Internet service	С	C		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С		
Sector efficiency and capacity				
	1.7		2.	
relecommunications revenue (% of GDP)				
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	12.4		18.2	
·			18.2	
Telecommunications investment (% of revenue) Sector performance Access	12.4		18.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	2.8	1.0	18.2 19.4 92.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	2.8 53.4	1.0 179.5	19.4 19.4 10.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	2.8 53.4 0.1	1.0 179.5 0.3	19.4 19.4 10.8 40.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	2.8 53.4 0.1 3.0 2.0	1.0 179.5 ³ 0.3 ³	19.4 92.4 10.4 40.4 36.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	2.8 53.4 0.1 3.0	1.0 179.5 0.3 10.1 7.9	19.4 92.4 10.8 40.0 36.3 1.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	2.8 53.4 0.1 3.0 2.0	1.0 179.5 ³ 0.3 ³ 10.1 ⁴ 7.9 ³	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	2.8 53.4 0.1 3.0 2.0	1.0 179.5 ³ 0.3 ³ 10.1 ⁴ 7.9 ³	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	2.8 53.4 0.1 3.0 2.0	1.0 179.5 ³ 0.3 ³ 10.1 ⁴ 7.9 ³	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	2.8 53.4 0.1 3.0 2.0	1.0 179.5 ³ 0.3 ³ 10.1 ⁴ 7.9 ³	19.4 92.4 10.4 40.1 36.4 41.4 99.	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	2.8 53.4 0.1 3.0 2.0 4.9	1.0 179.5 ⁱ 0.3 ⁱ 10.1 ⁱ 7.9 ⁱ 1.6 8.6 ⁱ	19.4 92.4 10.4 40.1 36.3 36.3 1 284.4 41.4 99.95.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wsage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963	1.0 179.5 ³ 0.3 ³ 10.1 ⁴ 7.9 ⁴ 1.6 8.6 ⁶ 	18.: 19.: 19.: 10.: 40.: 36.: 1.: 284.: 41.: 9: 95.: 14,586	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963	1.0 179.5 ⁵ 0.3 ³ 10.1 ¹ 7.9 ⁵ 1.6 8.6 ⁶ 18.4 5,509	18.2 19.4 92.4 10.8 40.4 36.3 1.3 284.4 41.6 95.1 14,586	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963	1.0 179.5 ⁱ 0.3 ⁱ 10.1 ⁱ 7.9 ⁱ 1.6 8.6 ⁱ 18.4 5,509 52.9 23.3	18.2 19.4 10.8 40.6 36.3 284.4 41.6 9.5 14,580 9.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963	1.0 179.5 ⁵ 0.3 ³ 10.1 ¹ 7.9 ⁵ 1.6 8.6 ⁶ 18.4 5,509	18.2 19.4 10.8 40.6 36.3 284.4 41.6 9.5 14,580 9.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963	1.0 179.5 ⁱ 0.3 ³ 10.1 ⁱ 7.9 ⁱ 1.6 8.6 ⁱ 18.4 5,509 52.9 23.3 31.8	18 19.4 19.2 10.0 10.0 40.0 1 284.4 1 99.95 14.58(9 14.7.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963 	1.0 179.5 ⁶ 0.3 ³ 10.1 ⁴ 7.9 ⁶ 1.6 8.6 ⁶ 18.4 5,509 52.9 23.3 31.8	19.4 19.2 10.3 10.3 10.3 10.3 10.3 10.3 10.3 10.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963 0.0 3.7	1.0 179.5 ⁶ 0.3 ³ 10.1 ⁴ 7.9 ⁶ 1.6 8.6 ⁶ 18.4 5,509 52.9 23.3 31.8	18.2 19.2 10.0 10.0 13.3 284.4 14.58 9.5 14.58 17.3 17.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963 	1.0 179.5 ⁶ 0.3 ³ 10.1 ⁴ 7.9 ⁶ 1.6 8.6 ⁶ 18.4 5,509 52.9 23.3 31.8	18.2 19.2 10.0 10.0 13.3 284.4 14.58 9.5 14.58 17.3 17.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.8 53.4 0.1 3.0 2.0 4.9 78 17.7 2,963 0.0 3.7	1.0 179.5 ⁶ 0.3 ³ 10.1 ⁴ 7.9 ⁶ 1.6 8.6 ⁶ 18.4 5,509 52.9 23.3 31.8	19.4 19.4 92.4 10.8 40.6 3.3 1.3 284.4	

Gambia, The

Sub-Saharan Africa Low income

	Countr	Country data		L inc country data		Country data	
	2005	2012	2012				
Economic and social context							
Population (millions)	1	2	846				
Urban population (% of total)	53	58	28				
GNI per capita, World Bank Atlas method (\$)	410	510					
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.2	3.8					
Adult literacy rate (% ages 15 and older)	37	51					
Gross primary, secondary, tertiary school enrollment (%)		58	60				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line telephone operator	Public	Public					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	M	М					
Mobile telephone service	Р	С					
Internet service	С	С					
Foreign ownership (not allowed, restricted, allowed)	Α	A					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)			5.0				
Telecommunications investment (% of revenue)							
Sector performance Access Fixed-telephone subscriptions (per 100 people)	3.1	3.6	1.0				
Mobile-cellular telephone subscriptions (per 100 people)	17.2	85.2	47.2				
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2				
Households with a computer (%)	2.3	7.4	a 4.2				
Households with Internet access at home (%)	1.0a	6.7	a 3.4				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)	14.7		70.1				
Individuals using the Internet (%)	3.8a	12.4	a 6.2				
Quality							
Population covered by a mobile-cellular network (%)	70						
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6		30.9				
International Internet bandwidth (bit/s per Internet user)	165	2,117	9,141				
Affordability							
Fixed-telephone sub-basket (\$ a month)		3.5					
Mobile-cellular sub-basket (\$ a month)		6.0	11.9				
Fixed-broadband sub-basket (\$ a month)		280.3	46.9				
Trade							
ICT goods exports (% of total goods exports)	1.2	0.1					
ICT goods imports (% of total goods imports)	5.0	1.9					
ICT service exports (% of total service exports)							
Applications							
Online service index (0-1, 1=highest presence)	0.23	0.32					
Secure Internet servers (per million people)	1.3	4.3	1.1				

Georgia

Europe & Central Asia L	ower m	ncome	
	Countr	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	4	4	2,507
Urban population (% of total)	52	53	39
GNI per capita, World Bank Atlas method (\$)	1,360	3,290	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	7.5	4.7	6.0
Adult literacy rate (% ages 15 and older)	100	100	71
Gross primary, secondary, tertiary school enrollment (%)	77	72	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	No	
Sector efficiency and capacity			
ocotor critoroney and capacity			
Telecommunications revenue (% of GDP)	6.2	2.7	2.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	6.2 30.9	2.7 19.6	
Telecommunications investment (% of revenue) Sector performance Access			20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	30.9	19.6	20.5
Telecommunications investment (% of revenue) Sector performance Access	30.9	19.6 29.3	20.5 5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	30.9 12.7 26.2	19.6 29.3 107.8	5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	30.9 12.7 26.2 0.1	29.3 107.8 8.7	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	30.9 12.7 26.2 0.1 1.8 ^a	29.3 107.8 8.7 32.7	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	30.9 12.7 26.2 0.1 1.8 ^a	29.3 107.8 8.7 32.7	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.7 26.2 0.1 1.8 ^a 1.0 ^a	29.3 107.8 8.7 32.7 32.0	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.7 26.2 0.1 1.8 ^a 1.0 ^a	29.3 107.8 8.7 32.7 32.0 6.1	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.7 26.2 0.1 1.8 ^a 1.0 ^a	29.3 107.8 8.7 32.7 32.0 6.1 116.5	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.7 26.2 0.1 1.8 ^a 1.0 ^a	29.3 107.8 8.7 32.7 32.0 6.1 116.5	5.4 83.1 1.4 15.0 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.7 26.2 0.1 1.8a 1.0a 6.1a	29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5	20.8 5.4 83.1 1.4 15.0 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.7 26.2 0.1 1.8 ^a 1.0 ^a 6.1 ^a	29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5	20.8 5.4 83.1 1.2 15.0 12.4 6.8 86 58.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.7 26.2 0.1 1.8 ^a 1.0 ^a 6.1 ^a 95 1.3	29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5 99 100.0 52,946	20.5 83.1 1.2 15.0 12.4 6.5 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118	29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5 99 100.0 52,946	20.5 5.4 83.1 1.5 12.4 6.5 18.7 86 58.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118	29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5 99 100.0 52,946 2.4 6.0	20.5 5.2 83.1 1.2 15.0 12.4 6.5 8.0 58.2 8,076 4.5 10.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118	29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5 99 100.0 52,946	20.5 5.2 83.1 1.2 15.0 12.4 6.5 8.0 58.2 8,076 4.5 10.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118	29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5 99 100.0 52,946 2.4 6.0 11.9	20.5 83.1 1.4 15.0 12.4 6.5 8.0 58.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118	19.6 29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5 99 100.0 52,946 2.4 6.0 11.9 0.5	20.5 5.4 83.1 15.0 12.4 6.5 86 58.2 8,076 4.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118 0.1 4.4	19.6 29.3 107.8 8.7 32.0 6.1 116.5 45.5; 99 100.0 52,946 2.4 6.0 11.9 0.5 4.9	20.5 83.1 1.4 15.0 12.4 6.5 8.0 7.2 4.5 4.6 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118	19.6 29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5 99 100.0 52,946 2.4 6.0 11.9 0.5	20.5 5.4 83.1 15.0 12.4 6.5 8.0 58.2 8,076 4.9 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118 0.1 4.4 4.0	29.3 107.8 8.7 32.7 32.0 6.1 116.5 45.5 99 100.0 52,946 2.4 6.0 11.9 0.5 4.9	20.5 5.4 83.1 15.0 12.4 6.5 8.076 4.5 10.5 20.6 4.6 7.2 47.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	30.9 12.7 26.2 0.1 1.8a 1.0a 6.1a 95 1.3 118 0.1 4.4	19.6 29.3 107.8 8.7 32.0 6.1 116.5 45.5; 99 100.0 52,946 2.4 6.0 11.9 0.5 4.9	20.5 5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 7.2 47.1

Germany

	Count	Country data		Country data in		Country data inc	High- income group
	2005	2012	2012				
Economic and social context							
Population (millions)	82	80	1,300				
Urban population (% of total)	73	74	80				
GNI per capita, World Bank Atlas method (\$)	34,780	45,070	38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.5	1.2	1.0				
Adult literacy rate (% ages 15 and older)							
Gross primary, secondary, tertiary school enrollment (%)		90	93				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line telephone operator	Private	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	С	С					
Mobile telephone service	С	С					
Internet service	С	С					
Foreign ownership (not allowed, restricted, allowed)	Α	A					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	3.0	1.5	2.7				
Telecommunications investment (% of revenue)	8.6	15.3	17.6				
Sector performance							
Access	05.4	00.5	40.0				
Fixed-telephone subscriptions (per 100 people)	65.4	60.5					
Mobile-cellular telephone subscriptions (per 100 people)	94.6	111.6					
Fixed (wired)-broadband subscriptions (per 100 people)	12.9	33.7					
Households with a computer (%)	70.0	87.0					
Households with Internet access at home (%)	61.6	85.0	75.5				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)	43.0	99.1					
Individuals using the Internet (%)	68.7	84.0	75.4				
Quality			400				
Population covered by a mobile-cellular network (%)	99	99	100				
Fixed (wired)-broadband subscriptions (% of total Internet)	53.9		95.9				
International Internet bandwidth (bit/s per Internet user)	9,827	74,793	85,990				
Affordability							
Fixed-telephone sub-basket (\$ a month)		28.6					
Mobile-cellular sub-basket (\$ a month)		18.9					
Fixed-broadband sub-basket (\$ a month)		41.7	29.2				
Trade							
ICT goods exports (% of total goods exports)	7.9	4.4					
ICT goods imports (% of total goods imports)	11.5	7.6					
ICT service exports (% of total service exports) Applications	29.7	33.7	30.8				
Online service index (0-1, 1=highest presence)	0.71	0.75	0.67				
Secure Internet servers (per million people)	274.2	1,060.5	827.6				
occure internet servers (per million people)	217.2	1,000.0	021.0				

Ghana

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s)	2005 21 48 470 5.1 58 54 Yes Mixed	y data 2012 25 53 1,550 7.9 71 66 Yes	group 2012 2,507 39 1,893 6.0 71 64
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	2005 21 48 470 5.1 58 54 Yes Mixed	2012 25 53 1,550 7.9 71 66	2,507 39 1,893 6.0 71 64
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	21 48 470 5.1 58 54 Yes	25 53 1,550 7.9 71 66	2,507 39 1,893 6.0 71 64
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	48 470 5.1 58 54 Yes Mixed	53 1,550 7.9 71 66	39 1,893 6.0 71 64
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	48 470 5.1 58 54 Yes Mixed	53 1,550 7.9 71 66	39 1,893 6.0 71 64
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	470 5.1 58 54 Yes Mixed	1,550 7.9 71 66	1,893 6.0 71 64
GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	5.1 58 54 Yes Mixed	7.9 71 66	6.0 71 64
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	58 54 Yes Mixed	71 66 Yes	71 64
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	Yes Mixed	66 Yes	64
Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	Yes Mixed	Yes	
Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	Mixed		
Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	Mixed		
Level of competition (competition, partial comp., monopoly)		Mixed	
International gateway(s)			
		C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) C	С	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)		98.7	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	1.5	1.1	5.4
Mobile-cellular telephone subscriptions (per 100 people)	13.4	101.0	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.3	1.4
Households with a computer (%)	2.0	13.8	15.0
Households with Internet access at home (%)	0.2a	11.0	a 12.4
Usage Int'l. voice traffic, total (minutes/subscription/month)	14.6	6.5	6.5
Domestic mobile traffic (minutes/subscription/month)		67.5	
Individuals using the Internet (%)	1.8	17.1	
Quality			
Population covered by a mobile-cellular network (%)	59	87	86
Fixed (wired)-broadband subscriptions (% of total Internet)	17.8	100.0	58.2
International Internet bandwidth (bit/s per Internet user) Affordability	429	230	8,076
Fixed-telephone sub-basket (\$ a month)		5.2	4.9
Mobile-cellular sub-basket (\$ a month)		6.6	
Fixed-broadband sub-basket (\$ a month)		43.0	
Trade		10.0	20.0
ICT goods exports (% of total goods exports)	0.0	0.1	4.6
ICT goods imports (% of total goods imports)	4.8	4.4	
ICT service exports (% of total service exports)	4.0		47.4
Applications			71.1
Online service index (0-1, 1=highest presence)	0.30	0.30	0.32
Secure Internet servers (per million people)	0.50	2.6	

Greece

	Country data		High- income
•	2005	2012	group 2012
Economic and social context			
Population (millions)	11	11	1,300
Urban population (% of total)	60	62	80
GNI per capita, World Bank Atlas method (\$)	21,400	23,660	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.2	-2.2	1.0
Adult literacy rate (% ages 15 and older)	96	97	
Gross primary, secondary, tertiary school enrollment (%)	100		93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	Р	P	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	3.1	2.7
Telecommunications investment (% of revenue)	9.4	12.2	17.6
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	57.2	49.1	43.6
Mobile-cellular telephone subscriptions (per 100 people)	92.9	120.0	
Fixed (wired)-broadband subscriptions (per 100 people)	1.5	24.1	
Households with a computer (%)	33.0	57.4	
Households with Internet access at home (%)	21.7	54.0	
Usage	21.1	34.0	13.3
Int'l. voice traffic, total (minutes/subscription/month)	13.9	13.9	
Domestic mobile traffic (minutes/subscription/month)	49.3	34.0	
Individuals using the Internet (%)	24.0	56.0	
Quality	24.0	50.0	13.4
Population covered by a mobile-cellular network (%)	100a	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	98.7	
International Internet bandwidth (bit/s per Internet user)	2,458	64,208	
Affordability	2,430	04,200	65,990
Fixed-telephone sub-basket (\$ a month)		25.4	25.2
Mobile-cellular sub-basket (\$ a month)		43.3	
Fixed-broadband sub-basket (\$ a month)		23.7	
Trade		23.1	29.2
	2.8	1.7	8.9
ICT goods exports (% of total goods exports)	5.7	5.1	
ICT goods imports (% of total goods imports)	6.6	7.9	
ICT service exports (% of total service exports)	0.0	1.9	30.8
Applications	0.57	0.58	0.67
Online service index (0-1, 1=highest presence)		133.1	
Secure Internet servers (per million people)	31.4	133.1	827.6

Greenland

	Counti	Country data		Country data	
	2005	2012	group 2012		
Economic and social context					
Population (millions)	0.06	0.06	1,300		
Urban population (% of total)	83	85	80		
GNI per capita, World Bank Atlas method (\$)	29,690	26,020	38,412		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.7	1.5	1.0		
Adult literacy rate (% ages 15 and older)					
Gross primary, secondary, tertiary school enrollment (%)			93		
Sector structure					
Separate telecommunications/ICT regulator					
Status of main fixed-line telephone operator					
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service					
Internet service					
Foreign ownership (not allowed, restricted, allowed)					
Reg. treatment of VoIP (banned, closed, no framework, allowed)					
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)			2.7		
Telecommunications investment (% of revenue)			17.6		
Sector performance					
Access Fixed-telephone subscriptions (per 100 people)	56.5	33.3	43.6		
Mobile-cellular telephone subscriptions (per 100 people)	81.6	104.7	122.9		
Fixed (wired)-broadband subscriptions (per 100 people)	12.5	19.9	26.2		
Households with a computer (%)	12.5	10.0	77.7		
Households with Internet access at home (%)	32.0	76.7ª			
Usage					
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)		87.9	113.6		
Individuals using the Internet (%)	57.7	64.9ª	75.4		
Quality					
Population covered by a mobile-cellular network (%)	90	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.9		
International Internet bandwidth (bit/s per Internet user) Affordability	913	18,995	85,990		
Fixed-telephone sub-basket (\$ a month)			25.2		
Mobile-cellular sub-basket (\$ a month)			20.6		
Fixed-broadband sub-basket (\$ a month)			29.2		
Trade					
ICT goods exports (% of total goods exports)	0.1	0.0	8.9		
ICT goods imports (% of total goods imports)	5.6	3.9	10.8		
ICT service exports (% of total service exports)			30.8		
Applications					
Online service index (0-1, 1=highest presence)			0.67		
Secure Internet servers (per million people)	212.2	1,478.6	827.6		

Grenada

Latin America & Caribbean l	Jpper m	iddle i	ncome
	Countr	y data	Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.10	0.11	2,391
Urban population (% of total)	37	39	61
GNI per capita, World Bank Atlas method (\$)	6,800	7,220	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.6	-0.4	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)		91	94 76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	С	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed)		A	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.8	6.7	2.5
Telecommunications investment (% of revenue)	19.1	13.4	18.2
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.6	27.0	
Mobile-cellular telephone subscriptions (per 100 people)	45.5	121.3	
Fixed (wired)-broadband subscriptions (per 100 people)	3.1	13.7	
Households with a computer (%)			
Households with Internet access at home (%)			36.3
Usage	100.5	46.6	1.3
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	133.5	200.9	
Individuals using the Internet (%)	20.5a	42.1	
Quality	20.5	42.1	41.0
Population covered by a mobile-cellular network (%)			99
Fixed (wired)-broadband subscriptions (% of total Internet)	57.3	100.0	
International Internet bandwidth (bit/s per Internet user)	19,463	90,094	
Affordability	-,	,	,
Fixed-telephone sub-basket (\$ a month)		13.4	9.4
Mobile-cellular sub-basket (\$ a month)		14.7	14.9
Fixed-broadband sub-basket (\$ a month) Trade		29.4	17.8
ICT goods exports (% of total goods exports)	1.5	2.0	17.6
ICT goods imports (% of total goods imports)	4.8	4.4	
ICT service exports (% of total service exports) Applications	15.8	15.9	
Online service index (0-1, 1=highest presence)	0.45	0.35	0.42
Secure Internet servers (per million people)	29.1	28.3	
(F	_0.1	_0.0	20.0

Guam

	Countr	Country data		Country data		Country data in	High- income
-	2005	2012	group 2012				
Economic and social context							
Population (millions)	0.16	0.16	1,300				
Urban population (% of total)	93	93	80				
GNI per capita, World Bank Atlas method (\$)			38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0				
Adult literacy rate (% ages 15 and older)							
Gross primary, secondary, tertiary school enrollment (%)			93				
Sector structure							
Separate telecommunications/ICT regulator							
Status of main fixed-line telephone operator							
Level of competition (competition, partial comp., monopoly)							
International gateway(s)							
Mobile telephone service							
Internet service							
Foreign ownership (not allowed, restricted, allowed)							
Reg. treatment of VoIP (banned, closed, no framework, allowed)							
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)			2.7				
Telecommunications investment (% of revenue)			17.6				
Sector performance			_				
Access Fixed-telephone subscriptions (per 100 people)	41.4	41.2	43.6				
Mobile-cellular telephone subscriptions (per 100 people)	61.9	41.2	122.9				
Fixed (wired)-broadband subscriptions (per 100 people)	1.7	1.9	26.2				
Households with a computer (%)	1.1	1.5	77.7				
Households with Internet access at home (%)			75.5				
Usage			10.0				
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)			113.6				
Individuals using the Internet (%)	38.6	61.5					
Quality	00.0	01.0	10.1				
Population covered by a mobile-cellular network (%)			100				
Fixed (wired)-broadband subscriptions (% of total Internet)			95.9				
International Internet bandwidth (bit/s per Internet user)			85,990				
Affordability			00,000				
Fixed-telephone sub-basket (\$ a month)			25.2				
Mobile-cellular sub-basket (\$ a month)			20.6				
Fixed-broadband sub-basket (\$ a month)			29.2				
Trade							
ICT goods exports (% of total goods exports)			8.9				
ICT goods imports (% of total goods imports)			10.8				
ICT service exports (% of total service exports)			30.8				
Applications							
Online service index (0-1, 1=highest presence)			0.67				
Secure Internet servers (per million people)	113.6	242.4	827.6				
" , , ,							

Cuetomole

Latin America & Caribbean	ower m	niddle i	ncome
	0	o. data	Lower middle- income
	Countr 2005	2012	group 2012
Economic and social context			
Population (millions)	13	15	2,507
Urban population (% of total)	47	50	39
GNI per capita, World Bank Atlas method (\$)	2,070	3,120	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.1	3.4	6.0
Adult literacy rate (% ages 15 and older)	69	76	7:
Gross primary, secondary, tertiary school enrollment (%)	71		. 64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	;
Status of main fixed-line telephone operator	Private	Private	!
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	:
Mobile telephone service	С	C	;
Internet service	С	C	;
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	l) No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			. 2.5

Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	 	2.
Telecommunications investment (% of revenue)	 	20.
Sector performance		
Sector performance Access		

Telecommunications investment (% of revenue)			20.5
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.8	11.6	5.4
Mobile-cellular telephone subscriptions (per 100 people)	35.6	137.8	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.2	1.8	1.4
Households with a computer (%)	8.4	19.2a	15.0
Households with Internet access at home (%)	2.1	9.3a	12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	32.1	11.5	6.5
Domestic mobile traffic (minutes/subscription/month)	51.4	77.6	
Individuals using the Internet (%)	5.7	16.0a	18.7
Quality			
Population covered by a mobile-cellular network (%)	76	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)			58.2
International Internet bandwidth (bit/s per Internet user)	977	6,630	8,076
Affordability			
Fixed-telephone sub-basket (\$ a month)		5.8	4.9
Mobile-cellular sub-basket (\$ a month)		19.8	10.5
Fixed-broadband sub-basket (\$ a month)		20.6	20.6

Guinea

Sub-Saharan Africa Low income

	Countr	Country data		Country data		Country data		Country data	Country data		Country data	Low- income
-	2005	2012	group 2012									
Economic and social context												
Population (millions)	10	11	846									
Urban population (% of total)	33	36	28									
GNI per capita, World Bank Atlas method (\$)	340	440	590									
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.0	2.5	5.9									
Adult literacy rate (% ages 15 and older)	30	25	61									
Gross primary, secondary, tertiary school enrollment (%)	44	52	60									
Sector structure												
Separate telecommunications/ICT regulator	No	Yes										
Status of main fixed-line telephone operator	Mixed	Mixed										
Level of competition (competition, partial comp., monopoly)												
International gateway(s)		С										
Mobile telephone service	Р	С										
Internet service	С	С										
Foreign ownership (not allowed, restricted, allowed)		R										
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A										
Sector efficiency and capacity												
Telecommunications revenue (% of GDP)			5.0									
Telecommunications investment (% of revenue)												
Sector performance Access												
Fixed-telephone subscriptions (per 100 people)	0.3	0.2	1.0									
Mobile-cellular telephone subscriptions (per 100 people)	2.0	41.8										
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0										
Households with a computer (%)		2.1										
Households with Internet access at home (%)	0.0a	1.3										
Usage	0.0	1.0	0									
Int'l. voice traffic, total (minutes/subscription/month)												
Domestic mobile traffic (minutes/subscription/month)			70.1									
Individuals using the Internet (%)	0.5	1.5	a 6.2									
Quality												
Population covered by a mobile-cellular network (%)	80	80										
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		30.9									
International Internet bandwidth (bit/s per Internet user)	39	2,051	9,141									
Affordability												
Fixed-telephone sub-basket (\$ a month)		1.6	8.9									
Mobile-cellular sub-basket (\$ a month)		4.1	11.9									
Fixed-broadband sub-basket (\$ a month)		800.0	46.9									
Trade												
ICT goods exports (% of total goods exports)	0.0	0.0										
ICT goods imports (% of total goods imports)	0.7	5.2										
ICT service exports (% of total service exports)	1.1	64.9										
Applications												
Online service index (0-1, 1=highest presence)	0.14	0.00	0.20									
Secure Internet servers (per million people)		0.1	1.1									

Guinea-Bissau

Sub-Saharan Africa Low income

	Countr	Country data	
-	2005	2012	group 2012
Economic and social context			
Population (millions)	1	2	846
Urban population (% of total)	40	45	28
GNI per capita, World Bank Atlas method (\$)	390	510	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.7	3.1	5.9
Adult literacy rate (% ages 15 and older)	41	55	61
Gross primary, secondary, tertiary school enrollment (%)	59		60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	P	
Mobile telephone service	Р	P	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Felecommunications revenue (% of GDP)			5.0
Felecommunications investment (% of revenue)		•	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.7	0.3	1.0
Mobile-cellular telephone subscriptions (per 100 people)	7.0	63.1	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)		2.3	a 4.2
Households with Internet access at home (%)	0.7	1.6	a 3.4
Usage			
nt'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			70.1
ndividuals using the Internet (%)	1.9	2.9	a 6.2
Quality			
Population covered by a mobile-cellular network (%)	65	65	
Fixed (wired)-broadband subscriptions (% of total Internet)		0.0	30.9
nternational Internet bandwidth (bit/s per Internet user) Affordability	2	3,220	9,141
Fixed-telephone sub-basket (\$ a month)			8.9
Mobile-cellular sub-basket (\$ a month)			11.9
Fixed-broadband sub-basket (\$ a month)			46.9
Trade			
CT goods exports (% of total goods exports)			
CT 2000S EXPORTS (% OF LOTAL 2000S EXPORTS)			
	1.8		
CT goods imports (% of total goods imports)	10.5	55.4	
CT goods imports (% of total goods imports) CT service exports (% of total service exports)		55.4	
CT goods imports (% of total goods imports)		55.4	0.20

Guyana

Latin America & Caribbean L	ower m	idale i	ncome
	Countr	y data	Lower middle- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.76	0.80	2,507
Urban population (% of total)	28	28	39
GNI per capita, World Bank Atlas method (\$)	1,070	3,410	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.8	2.8	6.0
Adult literacy rate (% ages 15 and older)		85	71
Gross primary, secondary, tertiary school enrollment (%)	77	68	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		М	
Mobile telephone service	С	Р	
Internet service		Р	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	5.2	2.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	50.0	5.2 19.2	
			20.5
Telecommunications investment (% of revenue) Sector performance Access	50.0	19.2	20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	50.0 14.5	19.2	20.5 5.4 83.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	14.5 37.0	19.2 19.4 68.8	5.4 83.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	14.5 37.0 0.3	19.2 19.4 68.8 3.7	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	14.5 37.0 0.3 11.6a	19.2 19.4 68.8 3.7 22.9	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	14.5 37.0 0.3 11.6a	19.2 19.4 68.8 3.7 22.9	5.4 83.1 1.4 15.0 a 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	14.5 37.0 0.3 11.6 ^a 10.4 ^a	19.4 68.8 3.7 22.9 20.6	5.4 83.1 1.4 15.0 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7	19.4 68.8 3.7 22.9 20.6	5.4 83.1 1.4 15.0 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7	19.4 68.8 3.7 22.9 20.6 15.1 35.2	5.4 83.1 1.4 15.0 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7	19.4 68.8 3.7 22.9 20.6 15.1 35.2	5.4 83.1 1.4 15.0 6.8 18.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a	19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0	20.8 5.4 83.1 1.4 15.0 6.8 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95	19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0	20.8 5.4 83.1 1.4 15.0 6.8 18.7 86 58.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2	19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382	20.8 5.4 83.1 1.4 15.0 6.8 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2	19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382	20.5 5.4 83.1 1.4 1.5 6.5 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2 339	19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382 3.1	20.5 5.2 83.1 1.5 6.5 18.7 86 58.2 8,076 4.5 10.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2 339	19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382	20.5 5.2 83.1 1.5 6.5 18.7 86 58.2 8,076 4.5 10.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2 339	19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382 3.1 9.0 24.5	20.5 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2 339 	19.2 19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382 3.1 9.0 24.5	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2 339 	19.2 19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382 3.1 9.0 24.5 0.1 5.8	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2 339 	19.2 19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382 3.1 9.0 24.5	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2 339 	19.2 19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382 3.1 9.0 24.5 0.1 5.8 41.4	20.5 5.4 83.1 1.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	14.5 37.0 0.3 11.6 ^a 10.4 ^a 21.7 24.7 13.8 ^a 95 4.2 339 	19.2 19.4 68.8 3.7 22.9 20.6 15.1 35.2 33.0 97 68.2 8,382 3.1 9.0 24.5 0.1 5.8	20.5 5.4 83.1 1.4 6.5 12.4 6.5 8.076 4.9 10.5 20.6 4.6 7.2 47.1



Latin America & Caribbean

Low income

		Low-	
	Countr	y data	group
	2005	2012	2012
Economic and social context			
Population (millions)	9	10	846
Urban population (% of total)	44	55	
GNI per capita, World Bank Atlas method (\$)	410	760	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	-0.7	1.4	
Adult literacy rate (% ages 15 and older)	49		
Gross primary, secondary, tertiary school enrollment (%)			60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	P	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)		3.7	5.0
Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	1.6	0.5	1.0
Mobile-cellular telephone subscriptions (per 100 people)	5.4	59.9	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	2.0	7.3	a 4.2
Households with Internet access at home (%)	1.0	3.4	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			70.1
Individuals using the Internet (%)	6.4a	9.8	a 6.2
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		30.9
International Internet bandwidth (bit/s per Internet user) Affordability	229		9,141
Fixed-telephone sub-basket (\$ a month)		5.6	8.9
Mobile-cellular sub-basket (\$ a month)		12.6	11.9
Fixed-broadband sub-basket (\$ a month)		47.8	46.9
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
Online service index (0-1, 1=highest presence)	0.21	0.09	0.20
Secure Internet servers (per million people)	0.6	1.1	1.1

Honduras

Latin America & Caribbean	Lower middle income		
	Countr	mide inco	Lower middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	7	8	2,50
Urban population (% of total)	49	53	39
GNI per capita, World Bank Atlas method (\$)	1,380	2,120	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.7	3.2	6.0
Adult literacy rate (% ages 15 and older)	84	85	7.
Gross primary, secondary, tertiary school enrollment (%)		71	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.1	5.4	2.5
Telecommunications investment (% of revenue)	23.5	9.1	20.
Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.2	7.7	5.4
Mobile-cellular telephone subscriptions (per 100 people)	18.6	92.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.8	
Households with a computer (%)	6.3	15.1	
Households with Internet access at home (%)	1.5	13.2	
Usage	1.0	10.2	
Int'l. voice traffic, total (minutes/subscription/month)	25.3	24.7	6.5
Domestic mobile traffic (minutes/subscription/month)	43.0	186.5	
Individuals using the Internet (%)	6.5	18.1	
Quality			
Population covered by a mobile-cellular network (%)	90		86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	81.1	
International Internet bandwidth (bit/s per Internet user)	1,115	4,173	
Affordability	-,	.,	-,
Fixed-telephone sub-basket (\$ a month)		6.3	4.9
Mobile-cellular sub-basket (\$ a month)		17.0	
Fixed-broadband sub-basket (\$ a month)		19.0	
Trade		10.0	20.
ICT goods exports (% of total goods exports)	1.1	0.3	4.0
ICT goods imports (% of total goods imports)	5.6	5.0	
ICT service exports (% of total service exports)	8.1	11.2	
Applications	0.1	11.2	71
Online service index (0-1, 1=highest presence)	0.40	0.38	0.32
Secure Internet servers (per million people)	4.3	9.1	
Court intermed out voto (por minion poople)	1.0	5.1	٦.

Hong Kong SAR, China

	Coun	try data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	7	7	1,300
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)	28,890	36,560	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.2	3.4	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	72	90	93
Sector structure			
Separate telecommunications/ICT regulator		Yes	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	ed) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	3.6	2.7
Telecommunications investment (% of revenue)	18.3	12.9	17.6
Sector performance			
Access	55.0	61.3	43.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	123.9	229.2	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	24.1	31.2	26.2
Households with a computer (%)	70.1	80.3	77.7
Households with Internet access at home (%)	64.6	78.6	75.5
Usage	04.0	10.0	13.3
Int'l. voice traffic, total (minutes/subscription/month)		61.2	
Domestic mobile traffic (minutes/subscription/month)		102.5	113.6
Individuals using the Internet (%)	56.9	72.8	75.4
Quality	30.3	12.0	15.4
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	63.1	75.6	95.9
International Internet bandwidth (bit/s per Internet user)		1,426,554	
Affordability	10,125	1,420,004	00,000
Fixed-telephone sub-basket (\$ a month)		14.1	25.2
Mobile-cellular sub-basket (\$ a month)		1.8	20.6
Fixed-broadband sub-basket (\$ a month)		21.6	29.2
Trade		21.0	25.2
ICT goods exports (% of total goods exports)	38.3	42.2	8.9
ICT goods imports (% of total goods imports)	38.2	40.8	
ICT service exports (% of total service exports)	18.4	15.3	30.8
Applications	10.4	10.0	00.0
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	162.3	627.0	
TTTLE Series Control (per million people)	102.0	521.0	521.0

Hungary

Europe & Central Asia	Jpper m	niddle i	ncome
	Countr	y data	Upper middle- income group
	2005	2012	2012
Economic and social context			
Population (millions)	10	10	2,391
Urban population (% of total)	66	70	61
GNI per capita, World Bank Atlas method (\$)	10,220	12,410	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.2	-0.5	6.2
Adult literacy rate (% ages 15 and older)	99	99	94
Gross primary, secondary, tertiary school enrollment (%)	89	90	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	Р	Р	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	3.4	2.5
Telecommunications investment (% of revenue)	9.1	15.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	33.8	29.7	19.4
Mobile-cellular telephone subscriptions (per 100 people)	92.3	116.1	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	6.5	22.9	10.8
Households with a computer (%)	42.0	71.0	
Households with Internet access at home (%)	22.1	69.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.8	8.9	1.3
Domestic mobile traffic (minutes/subscription/month)	84.5	129.5	284.4
Individuals using the Internet (%)	39.0	72.0	41.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	66.7	99.4	95.
International Internet bandwidth (bit/s per Internet user)	8,896	15,314	14,580
Affordability		25.3	9.4
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)		25.3	
Fixed-broadband sub-basket (\$ a month)		31.0	
Trade		31.0	17.0
ICT goods exports (% of total goods exports)	25.6	17.4	17.6
ICT goods exports (% of total goods exports)	18.7	16.2	
ICT service exports (% of total service exports)	20.3	27.7	
	20.3	21.1	29
Applications Online service index (0-1, 1=highest presence)	0.65	0.69	0.42
Secure Internet servers (per million people)	30.0	248.7	
oceare internet servers (her inition heahie)	30.0	240.1	10.0

Iceland

	Count	ry data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.30	0.32	1,300
Urban population (% of total)	93	94	80
GNI per capita, World Bank Atlas method (\$)	49,620	38,270	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.0	-0.1	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	95	98	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.0	2.7
Telecommunications investment (% of revenue)	19.5	14.6	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	65.3	55.2	43.6
Mobile-cellular telephone subscriptions (per 100 people)	95.4	108.1	
Fixed (wired)-broadband subscriptions (per 100 people)	26.3	34.3	
Households with a computer (%)	89.0	96.0	
Households with Internet access at home (%)	84.4	95.0	
Usage	04.4	33.0	13.3
Int'l. voice traffic, total (minutes/subscription/month)	18.7	13.9	
Domestic mobile traffic (minutes/subscription/month)	125.4	178.7	
Individuals using the Internet (%)	87.0	96.2	
Quality	00	00.2	
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	89.6	95.9	
International Internet bandwidth (bit/s per Internet user)	4,803	318,962	
Affordability	,	,-	,
Fixed-telephone sub-basket (\$ a month)		21.0	25.2
Mobile-cellular sub-basket (\$ a month)		21.9	
Fixed-broadband sub-basket (\$ a month)		31.8	
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	8.9
ICT goods imports (% of total goods imports)	6.4	4.1	10.8
ICT service exports (% of total service exports)	21.4	27.1	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.72	0.54	0.67
Secure Internet servers (per million people)	1,004.3	2,869.3	
0 - FF-7	, .	,	

India

South Asia I	ower m	iddle i	ncome
	0		Lower middle- income
	Country		group
	2005	2012	2012
Economic and social context	1 107	1 007	2,507
Population (millions) Urban population (% of total)	1,127 29	1,237 32	,
GNI per capita, World Bank Atlas method (\$)	740	1,550	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	6.7	7.6	,
Adult literacy rate (% ages 15 and older)	63	7.0	
Gross primary, secondary, tertiary school enrollment (%)	63	70	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	2.4 42.8	2.1 17.6	
Sector performance			
Annan			
	45	2.5	5./
Fixed-telephone subscriptions (per 100 people)	4.5 8.0	2.5 69.9	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	8.0	69.9	83.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	8.0 0.1	69.9 1.2	83.1 1.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	8.0	69.9	83.1 1.4 a 15.0
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	8.0 0.1 2.0 ^a	69.9 1.2 10.9	83.1 1.4 a 15.0
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	8.0 0.1 2.0 ^a	69.9 1.2 10.9	83.1 1.4 a 15.0 a 12.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	8.0 0.1 2.0 ^a 1.6 ^a	69.9 1.2 10.9 9.5	83.1 1.4 a 15.0 a 12.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	8.0 0.1 2.0 ^a 1.6 ^a	69.9 1.2 10.9 9.5	83.1 1.4 a 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a	69.9 1.2 10.9 9.5 4.9 	83.1 1.4 15.0 a 12.4 6.8
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a	69.9 1.2 10.9 9.5 4.9 12.6	83.1 1.4 a 15.0 a 12.4 6.5 a 18.7
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1	83.1 1.4 15.0 a 12.4 6.8
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a	69.9 1.2 10.9 9.5 4.9 12.6	83 1.4 15 a 12.4 6 a 18 80 58.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1	83.1 1.4 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31 19.4 743	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1 5,277	83.1 1.4 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31 19.4 743	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1 5,277	83.1 1.4 15.0 12.4 6.5 8.0 8.0 8.0 7.0 4.9 10.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31 19.4 743 	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1 5,277 3.2 3.5 6.0	83.1 1.4 15.0 a 12.4 6.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31 19.4 743 	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1 5,277 3.2 3.5 6.0	83.1 1.4 15.0 a 12.4 6.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31 19.4 743 	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1 5,277 3.2 3.5 6.0	83.: 1.4 15.0 6.5 86 58.2 8,076 4.5 20.6 4.6 7.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31 19.4 743 	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1 5,277 3.2 3.5 6.0	83.: 1.4 15.0 6.5 86 58.2 8,076 4.5 20.6 4.6 7.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31 19.4 743 1.1 7.6 67.2	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1 5,277 3.2 3.5 6.0 2.0 5.3 65.9	83.: 1.4 a 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076 4.5 20.6 4.6 7.2 47.:
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	8.0 0.1 2.0 ^a 1.6 ^a 5.6 2.4 ^a 31 19.4 743 	69.9 1.2 10.9 9.5 4.9 12.6 83 59.1 5,277 3.2 3.5 6.0	83.1 1.4 a 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076 4.9 10.5 20.6 4.7 2 47.1

Indonesia

East Asia & Pacific	Lower m	iddle i	ncome
			Lower middle- income
	Countr		group
	2005	2012	2012
Economic and social context			
Population (millions)	224	247	2,507
Urban population (% of total)	46	51	
GNI per capita, World Bank Atlas method (\$)	1,230	3,420	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.7	5.9	
Adult literacy rate (% ages 15 and older)	92	93	
Gross primary, secondary, tertiary school enrollment (%)	67	77	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	:
Mobile telephone service	С	C	
Internet service	С	C	:
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.9	2.5
Telecommunications investment (% of revenue)	28.3	18.6	
0			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	6.0	15.4	5.4
Mobile-cellular telephone subscriptions (per 100 people)	20.9	114.2	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	1.2	1.4
Households with a computer (%)	3.7	15.1	15.0
Households with Internet access at home (%)	1.0	6.5	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	3.6	15.4	18.7
Quality			
Population covered by a mobile-cellular network (%)	90	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.8	57.5	
International Internet bandwidth (bit/s per Internet user)	186	17,063	
Affordability		,. 50	-,
Fixed-telephone sub-basket (\$ a month)		4.8	4.9
Mobile-cellular sub-basket (\$ a month)		7.9	
Fixed-broadband sub-basket (\$ a month)		22.2	
Trade			
ICT goods exports (% of total goods exports)	8.1	4.1	4.6
ICT goods imports (% of total goods imports)	3.6	7.1	
ICT service exports (% of total service exports)	29.7	38.2	
Applications	20.1	50.2	71.1
Online service index (0-1, 1=highest presence)	0.41	0.50	0.32
Control Internet correct (per million people)	0.41	0.50	0.32

4.4

0.5

4.1

Secure Internet servers (per million people)

Iran, Islamic Rep.

Middle East & North Africa	Jpper m	iddle i	ncome
			Upper middle-
	Countr	y data	income group
	2005	2012	2012
Economic and social context			
Population (millions)	70	76	2,391
Urban population (% of total)	68	69	61
GNI per capita, World Bank Atlas method (\$)	2,530	4,330	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.9	3.7	6.2
Adult literacy rate (% ages 15 and older)	82	85	94
Gross primary, secondary, tertiary school enrollment (%)	64	87	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	С	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	2.0	2.5
Telecommunications investment (% of revenue)	74.5	95.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	29.0 12.1	37.6 76.1	19.4 92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	4.0	10.8
Households with a computer (%)	19.0a	37.0	40.6
Households with Internet access at home (%)	6.6a	26.5	36.3
Usage Int'l. voice traffic, total (minutes/subscription/month)	2.9	2.6	1.3
Domestic mobile traffic (minutes/subscription/month)		109.4	284.4
Individuals using the Internet (%)	8.1a	26.0	41.0
Quality			
Population covered by a mobile-cellular network (%)	75	96	99
Fixed (wired)-broadband subscriptions (% of total Internet)		33.8	95.
International Internet bandwidth (bit/s per Internet user) **Affordability**	600	3,731	14,580
Fixed-telephone sub-basket (\$ a month)		0.2	9.4
Mobile-cellular sub-basket (\$ a month)		5.0	14.9
Fixed-broadband sub-basket (\$ a month) Trade		17.8	17.8
ICT goods exports (% of total goods exports)	0.0	0.0	17.0
ICT goods imports (% of total goods imports)	4.6	4.6	
ICT service exports (% of total service exports)			00
Applications	••		23
Online service index (0-1, 1=highest presence)	0.41	0.49	0.42
Secure Internet servers (per million people)	0.41	1.3	18.5
	0.0	2.0	20.



Middle East & North Africa	Upper m	iddle i	ncome
	Countr	y data	Upper middle- income group
	2005	2012	2012
Economic and social context			
Population (millions)	27	33	2,391
Urban population (% of total)	67	66	61
GNI per capita, World Bank Atlas method (\$)	1,990	6,130	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	-1.1	6.7	6.2
Adult literacy rate (% ages 15 and older)	74	78	94
Gross primary, secondary, tertiary school enrollment (%)	63		76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		М	
Mobile telephone service		P	
Internet service		P	
Foreign ownership (not allowed, restricted, allowed)		R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.5
Telecommunications investment (% of revenue)			18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people)	4.1	5.7	
Mobile-cellular telephone subscriptions (per 100 people)	5.6	81.6	a 92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	10.8
Households with a computer (%)	5.0	23.3	a 40.6
Households with Internet access at home (%) Usage		15.6	a 36.3
Int'l. voice traffic, total (minutes/subscription/month)			1.3
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.9a	7.1	
Quality	0.0		
Population covered by a mobile-cellular network (%)	68		99
Fixed (wired)-broadband subscriptions (% of total Internet)	72.1	28.5	
International Internet bandwidth (bit/s per Internet user)	130	43	
Affordability	100	.0	1.,000
Fixed-telephone sub-basket (\$ a month)		0.4	9.4
Mobile-cellular sub-basket (\$ a month)		12.5	
Fixed-broadband sub-basket (\$ a month)		211.3	
Trade	•	211.0	11.0
ICT goods exports (% of total goods exports)			17.6
ICT goods imports (% of total goods imports)			14.7
ICT service exports (% of total service exports)	5.0	12.0	
Applications	0.0	12.0	20.1
Online service index (0-1, 1=highest presence)	0.27	0.29	0.42
Secure Internet servers (per million people)	0.27	0.23	
Coodia internat servers (per million people)	0.0	0.5	10.0

Ireland

	Count	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	4	5	1,300
Urban population (% of total)	60	63	80
GNI per capita, World Bank Atlas method (\$)	42,380	39,020	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.7	-0.4	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	96	106	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.6	2.7
Telecommunications investment (% of revenue)	10.1	23.9	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	49.4	43.9	43.6
Mobile-cellular telephone subscriptions (per 100 people)	102.7	107.2	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	7.8	22.7	26.2
Households with a computer (%)	55.0	83.0	77.7
Households with Internet access at home (%)	47.2	81.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	115.4	167.1	
Individuals using the Internet (%)	41.6	79.0	75.4
Quality	00		400
Population covered by a mobile-cellular network (%)	99	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	34.8	93.1	
International Internet bandwidth (bit/s per Internet user) Affordability	14,211	97,097	85,990
Fixed-telephone sub-basket (\$ a month)		27.8	25.2
Mobile-cellular sub-basket (\$ a month)		46.0	20.6
Fixed-broadband sub-basket (\$ a month)		34.8	29.2
Trade			
ICT goods exports (% of total goods exports)	22.4	5.8	8.9
ICT goods imports (% of total goods imports)	23.8	9.0	
ICT service exports (% of total service exports)	57.1	66.3	30.8
Applications	0.72	0.54	0.67
Online service index (0-1, 1=highest presence)	0.73 353.9	0.54 700.5	
Secure Internet servers (per million people)	303.9	100.5	021.0

Isle of Man

	Count	y data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.08	0.09	1,300
Urban population (% of total)	51	51	,
GNI per capita, World Bank Atlas method (\$)	38,440		38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.8		1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.7 17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)			43.6
Mobile-cellular telephone subscriptions (per 100 people)			122.9
Fixed (wired)-broadband subscriptions (per 100 people)			26.2
Households with a computer (%)			77.7
Households with Internet access at home (%)			75.5
Usage Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			1100
Individuals using the Internet (%)			75.4
Quality			10.1
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			05.0
International Internet bandwidth (bit/s per Internet user)			85,990
Affordability			
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			
ICT goods exports (% of total goods exports)			8.9
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports) Applications			30.8
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	24.9	2,220.9	
Ver bookie)		_,0.0	0

Israel

	Counti	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	7	8	1,300
Urban population (% of total)	92	92	80
GNI per capita, World Bank Atlas method (\$)	20,140	32,030	38,412
GDP growth, 2000–05 and 2005–12 (avg. annual %)	2.0	4.4	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	92	92	93
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	2.6	2.7
Telecommunications investment (% of revenue)		12.0	17.6
Sector performance Access	44.5	47.0	40.0
Fixed-telephone subscriptions (per 100 people)	44.5	47.0	43.6
Mobile-cellular telephone subscriptions (per 100 people)	117.5	120.7	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	18.6	25.3	26.2 77.7
Households with a computer (%)	60.0 42.0	82.1 ⁴ 73.4 ⁴	
Households with Internet access at home (%)	42.0	13.4	15.5
Usage Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)	25.2	73.4	
Quality	20.2		
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.3	100.0	95.9
International Internet bandwidth (bit/s per Internet user)	10,218	56,170	85,990
Affordability	,	,	,
Fixed-telephone sub-basket (\$ a month)		18.2	25.2
Mobile-cellular sub-basket (\$ a month)		36.2	20.6
Fixed-broadband sub-basket (\$ a month)		38.3	29.2
Trade			
ICT goods exports (% of total goods exports)	7.5	11.7	8.9
ICT goods imports (% of total goods imports)	9.7	8.9	10.8
ICT service exports (% of total service exports)	55.4	59.3	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.85	0.67
Secure Internet servers (per million people)	162.8	275.4	827.6



	Counti	y data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	59	60	1,300
Urban population (% of total)	68	69	80
GNI per capita, World Bank Atlas method (\$)	30,880	34,640	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.9	-0.7	1.0
Adult literacy rate (% ages 15 and older)	98	99	
Gross primary, secondary, tertiary school enrollment (%)	90	90	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	P	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.8	2.7
Telecommunications investment (% of revenue)	23.2	21.3	17.6
Sector performance			
Access	40.7	05.4	40.0
Fixed-telephone subscriptions (per 100 people)	42.7	35.4	
Mobile-cellular telephone subscriptions (per 100 people)	121.9	159.8	
Fixed (wired)-broadband subscriptions (per 100 people)	11.6	22.1	
Households with a computer (%)	46.0	67.0	
Households with Internet access at home (%)	38.6	63.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	87.7	108.8	
Individuals using the Internet (%)	35.0	58.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	100	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	38.5	97.5	95.9
International Internet bandwidth (bit/s per Internet user)	5,834	76,346	85,990
Affordability			
Fixed-telephone sub-basket (\$ a month)		28.8	25.2
Mobile-cellular sub-basket (\$ a month)		31.9	20.6
Fixed-broadband sub-basket (\$ a month)		28.0	29.2
Trade			
ICT goods exports (% of total goods exports)	3.1	2.1	8.9
ICT goods imports (% of total goods imports)	7.1	6.2	10.8
ICT service exports (% of total service exports)	34.2	34.9	30.8
Applications	0.0=	0.50	0.67
Online service index (0-1, 1=highest presence)	0.67	0.58	
Secure Internet servers (per million people)	44.2	200.3	827.6

Jamaica

Latin America & Caribbean U	pper m	iaaie ii	icome
	Countr		Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	3	3	2,391
Urban population (% of total)	52	52	61
GNI per capita, World Bank Atlas method (\$)		5,130	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)		-1.0	6.2
Adult literacy rate (% ages 15 and older)		87	94
Gross primary, secondary, tertiary school enrollment (%)	80		76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	4.2	2.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	6.6 19.0	23.2	2.5 18.2
Telecommunications investment (% of revenue) Sector performance Access	19.0	23.2	18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	19.0	9.6	18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	19.0 11.9 73.9	9.6 96.3	19.4 92.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	19.0 11.9 73.9 1.7	9.6 96.3 4.3	19.4 92.4 10.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	19.0 11.9 73.9 1.7 12.7 ^a	9.6 96.3 4.3 32.6	19.4 92.4 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	19.0 11.9 73.9 1.7	9.6 96.3 4.3	19.4 92.4 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	19.0 11.9 73.9 1.7 12.7 ^a	9.6 96.3 4.3 32.6	19.4 92.4 10.8 40.6 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	19.0 11.9 73.9 1.7 12.7 ^a 5.1 ^a	9.6 96.3 4.3 32.6 ^a 23.0 ^a	19.4 92.4 10.8 40.6 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	19.0 11.9 73.9 1.7 12.7 ^a 5.1 ^a 41.3	9.6 96.3 4.3 32.6° 23.0° 80.8	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	19.0 11.9 73.9 1.7 12.7 ^a 5.1 ^a 41.3 33.5	9.6 96.3 4.3 32.6 ² 23.0 ² 80.8 194.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	19.0 11.9 73.9 1.7 12.7 ^a 5.1 ^a 41.3 33.5	9.6 96.3 4.3 32.6 ² 23.0 ² 80.8 194.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	19.0 11.9 73.9 1.7 12.7 ^a 5.1 ^a 41.3 33.5 12.8 ^a	9.6 96.3 4.3 32.6 ² 23.0 ² 80.8 194.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	11.9 73.9 1.7 12.7 ^a 5.1 ^a 41.3 33.5 12.8 ^a	9.6 96.3 4.3 32.6° 23.0° 80.8 194.7 46.5°	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4	9.6 96.3 4.3 32.6° 23.0° 80.8 194.7 46.5°	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4	9.6 96.3 4.3 32.6° 23.0° 80.8 194.7 46.5°	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4 5,826	9.6 96.3 4.3 32.6° 23.0° 80.8 194.7 46.5° 97.9 20,193	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4 5,826	9.6 96.3 4.3 32.6° 23.0° 80.8 194.7 46.5° 97.9 20,193	18.2 19.2 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	19.0 11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4 5,826	9.6 96.3 4.3 32.6 80.8 194.7 46.5 97.9 20,193	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	19.0 11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4 5,826	9.6 96.3 4.3 32.6 80.8 194.7 46.5 97.9 20,193	19.2.10.2.10.2.10.2.10.2.10.2.10.2.10.2.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4 5,826	9.6 96.3 4.3 32.6° 23.0° 80.8 194.7 46.5° 97.9 20,193 15.0 10.5 29.2	19.2.10.2.10.2.10.2.10.2.10.2.10.2.10.2.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	11.9 73.9 1.7 12.7° 5.1° 41.3 33.5 12.8° 95 96.4 5,826	9.6 96.3 4.3 32.6 ² 23.0 ³ 80.8 194.7 46.5 ² 97.9 20,193 15.0 10.5 29.2	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580 9.4 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4 5,826 0.3 5.0	9.6 96.3 4.3 32.6° 23.0° 80.8 194.7 46.5° 97.9 20,193 15.0 10.5 29.2 0.4 2.5	19.4 92.4 10.8 10.8 36.3 284.4 41.6 99.9 14.58(9.4.8 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	11.9 73.9 1.7 12.7a 5.1a 41.3 33.5 12.8a 95 96.4 5,826 0.3 5.0	9.6 96.3 4.3 32.6° 23.0° 80.8 194.7 46.5° 97.9 20,193 15.0 10.5 29.2 0.4 2.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4



	Counti	Country data		H inc untry data	
	2005	2012	group 2012		
Economic and social context					
Population (millions)	128	128	1,300		
Urban population (% of total)	86	92	80		
GNI per capita, World Bank Atlas method (\$)	39,140	47,870	38,412		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.3	0.1	1.0		
Adult literacy rate (% ages 15 and older)					
Gross primary, secondary, tertiary school enrollment (%)	86	89	93		
Sector structure					
Separate telecommunications/ICT regulator	No	No			
Status of main fixed-line telephone operator	Private	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	С			
Mobile telephone service	С	С			
Internet service	С	С			
Foreign ownership (not allowed, restricted, allowed)	Α	A			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	2.9	2.8			
Telecommunications investment (% of revenue)	14.3	10.8	17.6		
Sector performance					
Access Fixed-telephone subscriptions (per 100 people)	45.7	50.5	43.6		
Mobile-cellular telephone subscriptions (per 100 people)	76.0	110.9			
Fixed (wired)-broadband subscriptions (per 100 people)	18.4	27.7			
Households with a computer (%)	80.5	80.0			
Households with Internet access at home (%)	57.0	86.0			
Usage	01.0	00.0	70.0		
Int'l. voice traffic, total (minutes/subscription/month)	23.6	1.9			
Domestic mobile traffic (minutes/subscription/month)	97.6	90.4			
Individuals using the Internet (%)	66.9	79.1			
Quality					
Population covered by a mobile-cellular network (%)	99	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	44.0	89.9	95.9		
International Internet bandwidth (bit/s per Internet user)	2,589	32,827	85,990		
Affordability	,	,-	,		
Fixed-telephone sub-basket (\$ a month)		29.0	25.2		
Mobile-cellular sub-basket (\$ a month)		30.7	20.6		
Fixed-broadband sub-basket (\$ a month)		26.6	29.2		
Trade					
ICT goods exports (% of total goods exports)	16.9	9.1	8.9		
ICT goods imports (% of total goods imports)	13.5	10.2	10.8		
ICT service exports (% of total service exports)	19.8	20.7	30.8		
Applications					
Online service index (0-1, 1=highest presence)	0.77	0.86	0.67		
Secure Internet servers (per million people)	257.7	741.6	827.6		

Jordan

Middle East & North Africa	Jpper m	niddle ir	<u>icome</u>
	0		Upper middle- income
	Countr	y data	group
	2005	2012	2012
Economic and social context Population (millions)	5	6	2.391
Urban population (% of total)	81	83	2,391
GNI per capita, World Bank Atlas method (\$)	2,490	4,670	6,969
GDP growth, 2000–05 and 2005–12 (avg. annual %)	6.3	5.2	6.2
Adult literacy rate (% ages 15 and older)	91	96	94
Gross primary, secondary, tertiary school enrollment (%)	83	79	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	С	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	5.4	2.
Talaaaaaaaaaaa (0/ af waxaaaa)	20.5	10.0	10.0
Telecommunications investment (% of revenue)	20.5	12.0	18.2
Sector performance	20.5	12.0	18.2
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.0	6.2	19.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	12.0 59.9	6.2 128.2	19.4 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.0 59.9 0.4	6.2 128.2 2.8	19.4 92.4 10.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.0 59.9 0.4 23.0	6.2 128.2 2.8 54.6 ⁸	19.4 92.4 10.8 40.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.0 59.9 0.4	6.2 128.2 2.8	19.4 92.4 10.8 40.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.0 59.9 0.4 23.0 8.0	6.2 128.2 2.8 54.6 ^a 43.6 ^a	19.4 92.4 10.8 40.0 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.0 59.9 0.4 23.0 8.0	6.2 128.2 2.8 54.6° 43.6°	19.4 92.4 10.8 40.0 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.0 59.9 0.4 23.0 8.0 15.4 111.8	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2	19.4 92.4 10.8 40.0 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.0 59.9 0.4 23.0 8.0	6.2 128.2 2.8 54.6° 43.6°	19.4 92.4 10.8 40.0 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0°	19.4 92.4 10.8 40.0 36.3 1.3 284.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0°	19 92 10 40 36 1 284 41
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0°	19.40.40.36.36.31.3284.41.99.95.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219	19.4 92.4 10.8 40.0 36.3 1.3 284.4 41.0 95.1 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219	19.4 92.4 10.8 40.0 36.3 1.3 284.4 41.0 95.1 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9 99 12.0 457	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219 9.4 7.8	19.4 92.4 10.8 40.4 36.3 1.3 284.4 41.6 9.9 5.1 14,586
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9 99 12.0 457	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219	19.4 92.4 10.8 40.4 36.3 1.3 284.4 41.6 9.9 5.1 14,586
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9 99 12.0 457	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219 9.4 7.8 18.7	19.4 92.4 10.0 36.3 1.3 284.4 41.0 99.5 14.58(
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9 99 12.0 457	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219 9.4 7.8 18.7	19.2.2 10.0 40.1 36.3 1.3 284.4 41.1 99.5 14.580 9.3 14.7 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9 99 12.0 457 	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219 9.4 7.8 18.7	19.2.2 10.0.3 40.1.3 284.4 41.1 9.9 95.5 14.58 17.3 17.3 17.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9 99 12.0 457	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219 9.4 7.8 18.7	19.2.2.10.0.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9 99 12.0 457 	6.2 128.2 2.8 54.6 43.6 43.6 16.0 297.2 41.0 99 99.6 5,219 9.4 7.8 18.7 1.5 4.1	19.2. 10.3 40.0 36.3 1.3 284.4 41.6 9.9 95.5 14.580 9.1 17.3 17.3 17.4 29.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.0 59.9 0.4 23.0 8.0 15.4 111.8 12.9 99 12.0 457 	6.2 128.2 2.8 54.6° 43.6° 16.0 297.2 41.0° 99 99.6 5,219 9.4 7.8 18.7	19.4 92.4 10.8 40.6 36.3

Kazakhstan

Europe & Central Asia l	Jpper m	iddle i	ncome
			Upper middle-
	Countr	y data	income group
	2005	2012	2012
Economic and social context			
Population (millions)	15	17	,
Urban population (% of total)	55	54	
GNI per capita, World Bank Atlas method (\$)	2,930	9,780	,
GDP growth, 2000-05 and 2005-12 (avg. annual %)	10.1	5.7	6.2
Adult literacy rate (% ages 15 and older)		100	
Gross primary, secondary, tertiary school enrollment (%)	92	92	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	Р	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed)		R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.0	2.5
Telecommunications investment (% of revenue)	5.3	18.0	18.2
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	18.0	26.8	19.4
Mobile-cellular telephone subscriptions (per 100 people)	35.8	185.8	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	9.8	10.8
Households with a computer (%)	15.6a	63.0	40.6
Households with Internet access at home (%)	5.0	52.6	36.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	7.2		1.3
Domestic mobile traffic (minutes/subscription/month)	41.1	97.0	284.4
Individuals using the Internet (%)	3.0	53.3	a 41.6
Quality			
Population covered by a mobile-cellular network (%)	81	95	99
Fixed (wired)-broadband subscriptions (% of total Internet)	1.0	96.5	95.5
International Internet bandwidth (bit/s per Internet user)	108	32,028	14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)		3.2	9.4
Mobile-cellular sub-basket (\$ a month)		11.3	14.9
Fixed-broadband sub-basket (\$ a month)		13.2	17.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.4	17.6
ICT goods imports (% of total goods imports)	4.0	5.8	14.7
ICT service exports (% of total service exports)	11.2	10.6	29.1
Applications			
0 !! ! ! ! (0 4 4 1! !!			

0.42

18.5

0.47

0.9

0.78

9.5

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)



Sub-Saharan Africa Low income

	Countr	y data	Low- income group
-	2005	2012	2012
Economic and social context			
Population (millions)	36	43	846
Urban population (% of total)	22	24	28
GNI per capita, World Bank Atlas method (\$)	520	860	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.4	4.3	5.9
Adult literacy rate (% ages 15 and older)	72		61
Gross primary, secondary, tertiary school enrollment (%)	59	67	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	4.1	5.0
Telecommunications investment (% of revenue)	76.3	48.0	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.6	1.0
Mobile-cellular telephone subscriptions (per 100 people)	12.9	71.2	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	2.6	10.8	4.2
Households with Internet access at home (%)	1.2	11.5	3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	3.8	3.8	
Domestic mobile traffic (minutes/subscription/month)	12.7	78.1	70.1
Individuals using the Internet (%)	3.1	32.1	6.2
Quality Deputation severed by a mabile collular naturals (%)	62	89	
Population covered by a mobile-cellular network (%)			20.0
Fixed (wired)-broadband subscriptions (% of total Internet)	6.7	61.6	30.9
International Internet bandwidth (bit/s per Internet user) Affordability	102	23,715	9,141
Fixed-telephone sub-basket (\$ a month)		12.6	8.9
Mobile-cellular sub-basket (\$ a month)		3.7	11.9
Fixed-broadband sub-basket (\$ a month)		33.7	46.9
Trade			
ICT goods exports (% of total goods exports)	0.2	1.4	
ICT goods imports (% of total goods imports)	4.1	7.2	
ICT service exports (% of total service exports)			
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.43	0.20
Secure Internet servers (per million people)	0.3	4.8	1.1

Kiribati

East Asia & Pacific	ower m	iddle i	ncome
			Lower middle-
	Country	y data	income
	2005	2012	2012
Economic and social context			
Population (millions)	0.09	0.10	2,507
Urban population (% of total)	44	44	39
GNI per capita, World Bank Atlas method (\$)	1,800	2,520	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.0	1.5	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	 77	 75	
Gloss primary, Secondary, tertiary School emoliment (70)	- 11	13	04
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service		P	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowec	 No	No.	
	, 110		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.5
Telecommunications investment (% of revenue)			20.5
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.6	8.9	5.4
Mobile-cellular telephone subscriptions (per 100 people)	0.7	15.9	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.4	1.0	1.4
Households with a computer (%)	6.0		15.0
Households with Internet access at home (%)	2.5		12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	4.0a	10.7	a 18.7
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)			58.2
International Internet bandwidth (bit/s per Internet user)		4,155	8,076
Affordability			
Fixed-telephone sub-basket (\$ a month)		12.9	
Mobile-cellular sub-basket (\$ a month)		18.1	
Fixed-broadband sub-basket (\$ a month) Trade		428.3	20.6
	0.9	1.9	4.6
ICT goods exports (% of total goods exports)	1.3	1.5	
ICT goods imports (% of total goods imports)			47.4
ICT service exports (% of total service exports) Applications			47.1
Online service index (0-1, 1=highest presence)	0.00	0.07	0.32
Secure Internet servers (per million people)	0.00	9.8	
Cookie internet don'toro (por million poopie)		5.0	7.7

Korea, Dem. People's Rep.

East Asia & Pacific Low income

	Countr	Country data		l ountry data	
	2005	2012	group 2012		
Economic and social context					
Population (millions)	24	25	846		
Urban population (% of total)	60	60	28		
GNI per capita, World Bank Atlas method (\$)					
GDP growth, 2000-05 and 2005-12 (avg. annual %)					
Adult literacy rate (% ages 15 and older)		100			
Gross primary, secondary, tertiary school enrollment (%)			. 60		
Sector structure					
Separate telecommunications/ICT regulator	No	No			
Status of main fixed-line telephone operator	Public	Public			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service					
Internet service					
Foreign ownership (not allowed, restricted, allowed)		No			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)			5.0		
Telecommunications investment (% of revenue)					
Sector performance Access Fixed-telephone subscriptions (per 100 people)	4.2	4.8			
Mobile-cellular telephone subscriptions (per 100 people)	0.0	6.9			
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	4.0		
Households with a computer (%)			2.4		
Households with Internet access at home (%)			3.4		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)			70.4		
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.0	0.0			
Quality	0.0	0.0	- 0.2		
Population covered by a mobile-cellular network (%)	0				
Fixed (wired)-broadband subscriptions (% of total Internet)			30.9		
International Internet bandwidth (bit/s per Internet user)			9,141		
Affordability					
Fixed-telephone sub-basket (\$ a month)			8.9		
Mobile-cellular sub-basket (\$ a month)			11.9		
Fixed-broadband sub-basket (\$ a month)			46.9		
Trade					
ICT goods exports (% of total goods exports)					
ICT goods imports (% of total goods imports)					
ICT service exports (% of total service exports)					
Applications					
Online service index (0-1, 1=highest presence)	0.00	0.12	0.20		
Secure Internet servers (per million people)		0.0	1.1		

Korea, Rep.

	Countr	Country data		Country data	
	2005	2012	group 2012		
Economic and social context					
Population (millions)	48	50	1,300		
Urban population (% of total)	81	83	80		
GNI per capita, World Bank Atlas method (\$)	16,900	22,670	38,412		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.5	3.4	1.0		
Adult literacy rate (% ages 15 and older)					
Gross primary, secondary, tertiary school enrollment (%)	98	100	93		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line telephone operator	Private	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)		С			
Mobile telephone service	С	Р			
Internet service	С	С			
Foreign ownership (not allowed, restricted, allowed)	R	R			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	4.7	4.3	2.7		
Telecommunications investment (% of revenue)	14.4	15.7	17.6		
Sector performance Access					
Fixed-telephone subscriptions (per 100 people)	50.8	61.4	43.6		
Mobile-cellular telephone subscriptions (per 100 people)	81.5	109.4			
Fixed (wired)-broadband subscriptions (per 100 people)	25.9	37.2			
Households with a computer (%)	79.7a	82.3			
Households with Internet access at home (%)	92.7	97.4			
Usage	02.1	01.1	10.0		
Int'l. voice traffic, total (minutes/subscription/month)	3.2	3.2			
Domestic mobile traffic (minutes/subscription/month)	175.8	163.0			
Individuals using the Internet (%)	73.5	84.1			
Quality					
Population covered by a mobile-cellular network (%)	80	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.9		
International Internet bandwidth (bit/s per Internet user)	1,440	25,815			
Affordability	-,	,	,		
Fixed-telephone sub-basket (\$ a month)		6.1	25.2		
Mobile-cellular sub-basket (\$ a month)		7.4			
Fixed-broadband sub-basket (\$ a month)		27.1			
Trade					
ICT goods exports (% of total goods exports)	30.0	17.2	8.9		
ICT goods imports (% of total goods imports)	15.2	9.8	10.8		
ICT service exports (% of total service exports)	19.9	21.6	30.8		
Applications					
Online service index (0-1, 1=highest presence)	0.83	1.00	0.67		
Secure Internet servers (per million people)	20.0	1,999.1	827.6		
S P F 7		,			

Kosovo

	Lower m	iiddle i	ncome
	Countr	v data	Lower middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	2	2	2.507
Urban population (% of total)			39
GNI per capita, World Bank Atlas method (\$)	2,520	3,600	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.4	4.7	6.0
Adult literacy rate (% ages 15 and older)			. 71
Gross primary, secondary, tertiary school enrollment (%)			64
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allower	d)		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.5
Telecommunications investment (% of revenue)			20.5
Sector performance Access			
Access Fixed-telephone subscriptions (per 100 people)			
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)			83.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)			83.1 1.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)			83.1 1.4 15.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)			83.1 1.4 15.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage		 	83.1 1.4 15.0 12.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)			83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)			83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)			83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)			83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality		 	83.1 1.4 15.0 12.4 6.5 18.7
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)			83.1 1.4 15.0 12.4 6.5 18.7
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)			83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1

Kuwait

	Count	v data	High- income
•	2005	2012	group 2012
Economic and social context			
Population (millions)	2	3	1,300
Urban population (% of total)	98	98	80
GNI per capita, World Bank Atlas method (\$)	34,160	44,880	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	9.0	1.4	1.0
Adult literacy rate (% ages 15 and older)	93	94	
Gross primary, secondary, tertiary school enrollment (%)	86		93
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	М	
Internet service	Р	P	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5		2.7
Telecommunications investment (% of revenue)	27.0		17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people)	22.0	15.7	43.6
Mobile-cellular telephone subscriptions (per 100 people)	60.2	156.9	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	1.1	1.4	26.2
Households with a computer (%)	32.0	75.0 ^a	
Households with Internet access at home (%)	27.0	65.2ª	
Usage	21.0	05.2	10.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)	25.9	79.2ª	
Quality	20.0	10.2	10.1
Population covered by a mobile-cellular network (%)	100	100a	100
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8	100	95.9
International Internet bandwidth (bit/s per Internet user)	1,481	5,444	85,990
Affordability	1,401	5,777	00,000
Fixed-telephone sub-basket (\$ a month)		8.6	25.2
Mobile-cellular sub-basket (\$ a month)		7.8	20.6
Fixed-broadband sub-basket (\$ a month)		19.2	29.2
Trade		13.2	23.2
ICT goods exports (% of total goods exports)	0.2	0.3	8.9
ICT goods imports (% of total goods imports)	5.0	6.4	10.8
ICT service exports (% of total service exports)	52.2	34.5	30.8
Applications	32.2	34.3	30.0
Online service index (0-1, 1=highest presence)	0.52	0.58	0.67
	34.8	184.9	827.6
Secure Internet servers (per million people)	34.8	184.9	021.0

Kyrgyz Republic

Europe & Central Asia

Low income

	Country	y data	Low- income group
•	2005	2012	2012
Economic and social context			
Population (millions)	5	6	846
Urban population (% of total)	35	35	28
GNI per capita, World Bank Atlas method (\$)	450	990	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.1	4.2	5.9
Adult literacy rate (% ages 15 and older)		99	61
Gross primary, secondary, tertiary school enrollment (%)	79	75	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.5	6.7	5.0
Telecommunications investment (% of revenue)	3.2	18.6	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	8.7	8.9	1.0
Mobile-cellular telephone subscriptions (per 100 people)	10.7	124.2	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.9	0.2
Households with a computer (%)	1.0a	6.9	4.2
Households with Internet access at home (%)	0.8a	6.3	3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		14.8	
Domestic mobile traffic (minutes/subscription/month)		394.7	70.1
Individuals using the Internet (%)	10.5	21.7	6.2
Quality Population covered by a mobile-cellular network (%)	42	98	
Fixed (wired)-broadband subscriptions (% of total Internet)	16.2	33.6	30.9
	516		
International Internet bandwidth (bit/s per Internet user) Affordability	310	3,875	9,141
Fixed-telephone sub-basket (\$ a month)		1.4	8.9
Mobile-cellular sub-basket (\$ a month)		5.7	11.9
Fixed-broadband sub-basket (\$ a month)		12.5	46.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	
ICT goods imports (% of total goods imports)	3.3	2.3	
ICT service exports (% of total service exports)	26.4	15.9	
Applications	•		
Online service index (0-1, 1=highest presence)	0.42	0.42	0.20
Secure Internet servers (per million people)	0.6	5.5	1.1

Lao PDR

East Asia & Pacific	Lower m	niddle i	ncome
	County	ny doto	Lower middle- income
	Counti 2005	2012	group 2012
Economic and social context	2003	2012	2012
Population (millions)	6	7	2.507
Urban population (% of total)	27	35	,
GNI per capita, World Bank Atlas method (\$)	450	1,270	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.2	8.0	6.0
Adult literacy rate (% ages 15 and older)	73		71
Gross primary, secondary, tertiary school enrollment (%)	58	60	64
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	М	
Mobile telephone service	P	P	
Internet service	P	P	
Foreign ownership (not allowed, restricted, allowed)	R d) B	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	а) в	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	1.7	2.5
Telecommunications investment (% of revenue)	63.0	8.9	20.5
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	1.8	5.4
Mobile-cellular telephone subscriptions (per 100 people)	11.4	64.7	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.1	1.4
Households with a computer (%)	2.0	8.7	a 15.0
Households with Internet access at home (%)	1.0	5.1	a 12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		5.9	
Domestic mobile traffic (minutes/subscription/month)	59.6	11.2	
Individuals using the Internet (%)	0.9	10.7	a 18.7
Quality			
Population covered by a mobile-cellular network (%)	55	72	
Fixed (wired)-broadband subscriptions (% of total Internet)	5.0	27.6	
International Internet bandwidth (bit/s per Internet user)	406	9,397	8,076
Affordability		4.0	4.0
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)		4.6 6.2	
		97.2	
Fixed-broadband sub-basket (\$ a month) Trade		31.2	20.0
ICT goods exports (% of total goods exports)			4.6
ICT goods exports (% of total goods exports)			7.0
ICT service exports (% of total service exports)			47.1
Applications	•		41.1
Online service index (0-1, 1=highest presence)	0.24	0.22	0.32
Secure Internet servers (per million people)	0.24	1.0	
ocours internet servers (per minion people)	0.5	1.0	7.4

Latvia

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	Countr	Country data		Hi inc Country data	
	2005	2012	group 2012		
Economic and social context					
Population (millions)	2	2	1,300		
Urban population (% of total)	68	68	80		
GNI per capita, World Bank Atlas method (\$)	7,000	14,060	38,412		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	8.0	-1.1	1.0		
Adult literacy rate (% ages 15 and older)	100	100			
Gross primary, secondary, tertiary school enrollment (%)	95	89	93		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service	С	Р			
Internet service	С	C			
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
${\it Reg. treatment of VoIP (banned, closed, no framework, allowed)}$	Α	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	4.0	3.6	2.7		
Telecommunications investment (% of revenue)		25.9	17.6		
Sector performance Access	00.0	0.4.00	40.0		
Fixed-telephone subscriptions (per 100 people)	32.8	24.3a			
Mobile-cellular telephone subscriptions (per 100 people)	84.0	112.1ª			
Fixed (wired)-broadband subscriptions (per 100 people)	2.7	23.3ª			
Households with a computer (%)	32.0	70.0	77.7		
Households with Internet access at home (%)	30.5	69.0	75.5		
Usage	0.7				
Int'l. voice traffic, total (minutes/subscription/month)	3.7				
Domestic mobile traffic (minutes/subscription/month)	72.2	740	113.6		
Individuals using the Internet (%) Quality	46.0	74.0	75.4		
Population covered by a mobile-cellular network (%)	98		100		
Fixed (wired)-broadband subscriptions (% of total Internet)	83.2		95.9		
International Internet bandwidth (bit/s per Internet user)	2,713	59,027	85,990		
Affordability					
Fixed-telephone sub-basket (\$ a month)		10.9	25.2		
Mobile-cellular sub-basket (\$ a month)		13.3	20.6		
Fixed-broadband sub-basket (\$ a month) Trade		13.8	29.2		
ICT goods exports (% of total goods exports)	2.0	6.1	8.9		
ICT goods imports (% of total goods imports)	5.8	6.0	10.8		
ICT service exports (% of total service exports)	15.9	20.5	30.8		
Applications	10.0	20.0	50.0		
Online service index (0-1, 1=highest presence)	0.59	0.59	0.67		
Secure Internet servers (per million people)	38.9	266.1	827.6		
	00.0	200.1	020		

Lebanon

Middle East & North Africa U	pper m	iddle i	icome
			Upper middle-
	Countr		income group
	2005	2012	2012
Economic and social context			
Population (millions)	4	4	2,391
Urban population (% of total)	87	87	61
GNI per capita, World Bank Atlas method (\$)	5,800	9,190	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.0	6.1	6.2
Adult literacy rate (% ages 15 and older)	90		94
Gross primary, secondary, tertiary school enrollment (%)	78	75	76
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	С	M	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
	7.0		2.5
Telecommunications revenue (% of GDP)	7.9		2.0
Telecommunications investment (% of revenue)	7.9		
Telecommunications investment (% of revenue) Sector performance Access			18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)			18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	15.9 24.9	18.7 80.8	18.2 19.4 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	15.9	18.7	19.4 92.4 10.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	15.9 24.9 3.3 24.0	18.7 80.8 9.7 79.7	19. ² 92. ² 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	15.9 24.9 3.3	18.7 80.8 9.7	19. ² 92. ² 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	15.9 24.9 3.3 24.0	18.7 80.8 9.7 79.7	19.4 92.4 10.8 4 40.6 3 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	15.9 24.9 3.3 24.0 4.4	18.7 80.8 9.7 79.7 ² 64.0 ³	19.4 92.4 10.8 40.6 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	15.9 24.9 3.3 24.0 4.4 88.5	18.7 80.8 9.7 79.7 ² 64.0 ⁴	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	15.9 24.9 3.3 24.0 4.4 88.5 190.6	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	15.9 24.9 3.3 24.0 4.4 88.5 190.6	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4 61.2 ⁴	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4 61.2 ⁴	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4 61.2 ⁴ 99 61.9	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4 61.2 ⁴ 99 61.9	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1 100 56.5 717	18.7 80.8 9.7 79.7 ⁱ 64.0 ⁱ 44.4 189.4 61.2 ⁱ 99 61.9	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1 100 56.5 717	18.7 80.8 9.7 79.7 64.0 44.4 189.4 61.2 99 61.9 18,445	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1 100 56.5 717	18.7 80.8 9.7 79.7 64.0 44.4 189.4 61.2 99 61.9 18,445 10.3 20.9	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1 100 56.5 717	18.7 80.8 9.7 79.7 64.0 44.4 189.4 61.2 99 61.9 18,445 10.3 20.9	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1 100 56.5 717	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4 61.2 ⁴ 99 61.9 18,445 10.3 20.9 17.6	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 99.95.8 14,580 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1 100 56.5 717 	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4 61.2 ⁴ 99 61.9 18,445 10.3 20.9 17.6	18.2 19.2 92.4 10.8 40.6 36.3 284.2 41.6 99.5 14,580 17.8 17.6 14.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1 100 56.5 717 1.8 3.3	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4 61.2 ⁴ 99 61.9 18,445 10.3 20.9 17.6 0.6 2.2	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	15.9 24.9 3.3 24.0 4.4 88.5 190.6 10.1 100 56.5 717 1.8 3.3	18.7 80.8 9.7 79.7 ⁴ 64.0 ⁴ 44.4 189.4 61.2 ⁴ 99 61.9 18,445 10.3 20.9 17.6 0.6 2.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4

Lesotho

	OWCI III	wer middle ir			wer middle incon	
			Lower middle-			
	Countr	Country data				
	2005	2012	group 2012			
Economic and social context						
Population (millions)	2	2	2,507			
Urban population (% of total)	23	28	39			
GNI per capita, World Bank Atlas method (\$)	910	1,380	1,893			
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.8	5.0	6.0			
Adult literacy rate (% ages 15 and older)	86	76	71			
Gross primary, secondary, tertiary school enrollment (%)	64	65	64			
Sector structure						
Separate telecommunications/ICT regulator	Yes	Yes				
Status of main fixed-line telephone operator	Mixed	Mixed				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)	М	C				
Mobile telephone service	С	C				
Internet service	С	C				
Foreign ownership (not allowed, restricted, allowed)	Α	Α				
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No				
Sector efficiency and capacity						
Telecommunications revenue (% of GDP)	0.6	4.5	2.5			
refeccioninality and its revenue (// or abi)						
Telecommunications investment (% of revenue)	20.9	12.2				
·			20.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	20.9	12.2	20.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	20.9	2.5	20.5 5.4 83.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	20.9 2.5 13.0	2.5 75.3	5.4 83.1 1.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	2.5 13.0 0.0	2.5 75.3 0.1	5.4 83.1 1.4 a 15.0			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	20.9 2.5 13.0 0.0 3.0	2.5 75.3 0.1 5.9	5.4 83.1 1.4 a 15.0 a 12.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	2.5 13.0 0.0 3.0 0.6	2.5 75.3 0.1 5.9 3.7	5.4 83.1 1.4 a 15.0 a 12.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	20.9 2.5 13.0 0.0 3.0 0.6	2.5 75.3 0.1 5.9 3.7	5.4 83.1 1.4 a 15.0 a 12.4 6.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	20.9 2.5 13.0 0.0 3.0 0.6	2.5 75.3 0.1 5.9 3.7 31.1 21.4	5.4 83.1 1.4 a 15.0 a 12.4 6.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	20.9 2.5 13.0 0.0 3.0 0.6	2.5 75.3 0.1 5.9 3.7 31.1 21.4	5.4 83.1 1.4 15.0 a 12.4 6.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6	5.4 83.1 1.4 a 15.0 a 12.4 6.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6	5.4 83.1 1.4 a 15.0 a 12.4 6.5 86 58.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6	20.5 5.4 83.1 1.4 6.5 18.7 86 58.2 8,076			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8 86	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6 81 4.1 6,330	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8 86	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6 81 4.1 6,330	20.5 5.4 83.1 1.4 15.0 12.4 6.5 8.0 58.2 8,076 4.9 10.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8 86	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6 81 4.1 6,330 13.8 19.8	20.5 5.4 83.1 1.4 15.0 12.4 6.5 8.0 58.2 8,076 4.9 10.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8 86	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6 81 4.1 6,330 13.8 19.8	20.5 5.4 83.1 1.4 a 15.0 a 12.4 6.5 58.2 8,076 4.9 10.5 20.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8 86	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6 81 4.1 6,330 13.8 19.8 85.4	20.5 5.4 83.1 1.4 a 15.0 a 12.4 6.5 5.2 8.076 4.9 10.5 20.6 4.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8 86 3.3	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6 81 4.1 6,330 13.8 19.8 85.4	20.5 5.4 83.1 1.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8 86 3.3 1.1	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6 81 4.1 6,330 13.8 85.4 5.8 2.7	20.5 5.4 83.1 1.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	20.9 2.5 13.0 0.0 3.0 0.6 26.2 2.6a 29 1.8 86 3.3 1.1	2.5 75.3 0.1 5.9 3.7 31.1 21.4 4.6 81 4.1 6,330 13.8 85.4 5.8 2.7	5.4 83.1 1.4 a 15.0 a 12.4 6.5 8.076 4.9 10.5 20.6 4.6 7.2 47.1			



Low-

Sub-Saharan Africa Low income

	Countr	v data	Low- income
-	2005	2012	group 2012
Economic and social context			
Population (millions)	3	4	846
Urban population (% of total)	46	49	28
GNI per capita, World Bank Atlas method (\$)	120	370	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	-1.0	11.6	5.9
Adult literacy rate (% ages 15 and older)	55		61
Gross primary, secondary, tertiary school enrollment (%)			60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	Р	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed)	Α	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.1		5.0
Telecommunications investment (% of revenue)			
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.1	0.0	1.0
Mobile-cellular telephone subscriptions (per 100 people)	4.9	57.1	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	0.8	2.0	a 4.2
Households with Internet access at home (%)		1.5	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		11.1	
Domestic mobile traffic (minutes/subscription/month)	0.0	52.0	70.1
Individuals using the Internet (%)	0.6a	3.8	a 6.2
Quality Population covered by a mobile-cellular network (%)	16		
Fixed (wired)-broadband subscriptions (% of total Internet)			20.0
International Internet bandwidth (bit/s per Internet user)		2,006	
Affordability			
Fixed-telephone sub-basket (\$ a month)			
Mobile-cellular sub-basket (\$ a month)			
Fixed-broadband sub-basket (\$ a month) Trade			46.9
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.19	0.20
Secure Internet servers (per million people)		0.9	1.1
Secure internet servers (her million heather)		0.9	1

Libya

Middle East & North Africa	Jpper m		
	Countr		Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	6	6	2,391
Urban population (% of total)	77	78	61
GNI per capita, World Bank Atlas method (\$)	6,660	12,930	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.7	4.5	6.2
Adult literacy rate (% ages 15 and older)	86	90	94
Gross primary, secondary, tertiary school enrollment (%)	94		76
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	М	
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.5 18.2
Telecommunications investment (% of revenue) Sector performance Access			18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	 15.2ª	13.2	18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	15.2 ^a 35.7	13.2º 155.8º	18.2 19.4 19.4 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	15.2 ^a 35.7 0.0	13.2° 155.8° 1.1°	18.2 19.4 19.4 10.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	15.2 ^a 35.7 0.0 5.0	13.2° 155.8° 1.1° 17.6°	18.2 19.4 92.4 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	15.2 ^a 35.7 0.0	13.2° 155.8° 1.1°	18.2 19.4 92.4 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	15.2 ^a 35.7 0.0 5.0	13.2° 155.8° 1.1° 17.6°	18.2 19.4 92.4 10.8 40.6 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	15.2 ^a 35.7 0.0 5.0 3.0	13.2° 155.8° 1.1° 17.6° 13.7°	18.2 19.4 19.4 10.8 40.6 36.3 1.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	15.2 ^a 35.7 0.0 5.0 3.0	13.2° 155.8° 1.1° 17.6° 13.7°	18.2 19.4 19.4 10.8 40.6 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	15.2 ^a 35.7 0.0 5.0 3.0	13.2 ² 155.8 ³ 1.1 ² 17.6 ³ 13.7 ³	18.2 19.4 19.4 10.8 40.6 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	15.2 ^a 35.7 0.0 5.0 3.0	13.2 ² 155.8 ³ 1.1 ² 17.6 ³ 13.7 ³	18.2 19.4 19.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	15.2 ^a 35.7 0.0 5.0 3.0 13.4 84.0 3.9 ^a	13.2 ^c 155.8 ^c 1.1 ^c 17.6 ^c 13.7 ^c 14.0 ^c	18.2 19.4 19.4 10.8 40.6 36.3 1.3 284.4 99
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	15.2 ^a 35.7 0.0 5.0 3.0 13.4 84.0 3.9 ^a	13.2° 155.8° 1.1° 17.6° 13.7° 14.0°	18.2 19.4 19.4 19.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	15.2a 35.7 0.0 5.0 3.0 13.4 84.0 3.9a 71 	13.2° 155.8° 1.1° 17.6° 13.7° 14.0°	18.2 19.4 19.4 10.8 40.6 36.3 1.3 284.4 41.6 99.95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.2° 35.7 0.0 5.0 3.0 13.4 84.0 3.9° 71 456	13.2° 155.8° 1.1° 17.6° 13.7° 14.0° 98 8.2 14,044	18.2 19.4 19.4 10.8 40.6 36.3 1.3 284.4 41.6 99.95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	15.2a 35.7 0.0 5.0 3.0 13.4 84.0 3.9a 71 	13.2° 155.8° 1.1° 17.6° 13.7° 14.0°	18.2 19.4 10.8 10.8 40.6 36.3 284.4 41.6 99.5 14,580 9.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.2a 35.7 0.0 5.0 3.0 13.4 84.0 3.9a 71 456	13.2° 155.8° 1.1° 17.6° 13.7° 14.0° 98 8.2 14,044	18.2 19.4 10.8 10.8 40.6 36.3 284.4 41.6 99.5 14,580 9.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	15.2a 35.7 0.0 5.0 3.0 13.4 84.0 3.9a 71 456	13.2° 155.8° 1.1° 17.6° 13.7° 14.0° 98 8.2 14,044	18.2 19.4 10.8 10.8 40.6 36.3 1.3 284.4 41.6 99. 95.5 14,580 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	15.2 ^a 35.7 0.0 5.0 3.0 13.4 84.0 3.9 ^a 71 	13.2° 155.8° 1.1° 17.6° 13.7° 14.0° 98 8.2 14,044	18.2 19.4 10.8 10.8 40.6 36.3 1.3 284.4 41.6 99. 95.5 14,580 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	15.2° 35.7 0.0 5.0 3.0 13.4 84.0 3.9° 71 456	13.2 ^c 155.8 ^c 1.1 ^c 17.6 ^c 13.7 ^c 14.0 ^c 98 8.2 14,044	18.2 19.2 10.2 10.3 10.3 10.3 284.2 14.5 14.580 9.2 14.5 17.8 17.6 14.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	15.2° 35.7 0.0 5.0 3.0 13.4 84.0 3.9° 71 456	13.2° 155.8° 1.1° 17.6° 13.7° 14.0° 98 8.2 14,044 3.6	18.2 19.2 10.2 10.3 10.3 10.3 284.2 14.5 14.580 9.2 14.5 17.8 17.6 14.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	15.2° 35.7 0.0 5.0 3.0 13.4 84.0 3.9° 71 456	13.2° 155.8° 1.1° 17.6° 13.7° 14.0° 98 8.2 14,044 3.6	18.2 19.4 19.4 19.2 10.8 40.6 36.3 1.3 284.4 41.6 95

Liechtenstein

	Count	Country data		Country data		in ountry data	
	2005	2012	group 2012				
Economic and social context							
Population (millions)	0.03	0.04	1,300				
Urban population (% of total)	15	14	80				
GNI per capita, World Bank Atlas method (\$)	92,660	136,770	38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.5	3.0	1.0				
Adult literacy rate (% ages 15 and older)							
Gross primary, secondary, tertiary school enrollment (%)	86	88	93				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line telephone operator	Public	Public					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)		C					
Mobile telephone service	Р	С					
Internet service	С	С					
Foreign ownership (not allowed, restricted, allowed)		Α					
Reg. treatment of VoIP (banned, closed, no framework, allowed)							
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	0.8		2.7				
Telecommunications investment (% of revenue)			17.6				
Sector performance							
Access	F7.0	FO 4	40.0				
Fixed-telephone subscriptions (per 100 people)	57.6	50.4	43.6				
Mobile-cellular telephone subscriptions (per 100 people)	79.2 24.8	97.4 30.5	122.9 26.2				
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)			77.7				
Households with Internet access at home (%)			75.5				
Usage			13.3				
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)		11.7	113.6				
Individuals using the Internet (%)	63.4	89.4					
Quality							
Population covered by a mobile-cellular network (%)	94	100	100				
Fixed (wired)-broadband subscriptions (% of total Internet)	54.9	92.7	95.9				
International Internet bandwidth (bit/s per Internet user)	6,813	6,022	85,990				
Affordability							
Fixed-telephone sub-basket (\$ a month)		29.0	25.2				
Mobile-cellular sub-basket (\$ a month)		23.4	20.6				
Fixed-broadband sub-basket (\$ a month)		47.1	29.2				
Trade							
ICT goods exports (% of total goods exports)			8.9				
ICT goods imports (% of total goods imports)			10.8				
ICT service exports (% of total service exports)			30.8				
Applications							
Online service index (0-1, 1=highest presence)	0.55	0.59	0.67				
Secure Internet servers (per million people)	1,410.5	8,216.2	827.6				

Lithuania

	Country data		High- income group
-	2005	2012	2012
Economic and social context			
Population (millions)	3	3	1,300
Urban population (% of total)	67	67	80
GNI per capita, World Bank Atlas method (\$)	7,590	13,820	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	8.0	0.8	1.0
Adult literacy rate (% ages 15 and older)	100	100	
Gross primary, secondary, tertiary school enrollment (%)	96	97	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	1.7	2.7
Telecommunications investment (% of revenue)	15.6	138.3	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	24.4	22.3	43.6
Mobile-cellular telephone subscriptions (per 100 people)	132.5	165.1	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	7.1	21.1	26.2
Households with a computer (%)	32.0	64.0	77.7
Households with Internet access at home (%)	15.8	62.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.0	6.1	
Domestic mobile traffic (minutes/subscription/month)	55.7	124.5	113.6
Individuals using the Internet (%)	36.2	68.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	100	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	90.9	99.4	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	4,188	76,193	85,990
Fixed-telephone sub-basket (\$ a month)		13.9	25.2
Mobile-cellular sub-basket (\$ a month)		10.8	20.6
Fixed-broadband sub-basket (\$ a month)		12.1	29.2
Trade			
ICT goods exports (% of total goods exports)	5.3	2.3	8.9
ICT goods imports (% of total goods imports)	6.4	3.6	10.8
ICT service exports (% of total service exports)	8.2	9.0	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.66	0.70	0.67
Secure Internet servers (per million people)	22.3	248.6	827.6

Luxembourg

	Country data		High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.47	0.53	1,300
Urban population (% of total)	84	86	80
GNI per capita, World Bank Atlas method (\$)	69,180	71,640	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.5	0.9	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	76	78	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	С		
Foreign ownership (not allowed, restricted, allowed)	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5		2.7
Telecommunications investment (% of revenue)	18.3	25.9	17.6
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	53.4	50.9	43.6
Mobile-cellular telephone subscriptions (per 100 people)	111.4		
Fixed (wired)-broadband subscriptions (per 100 people)	15.3		
Households with a computer (%)	75.0		
Households with Internet access at home (%)	64.6		
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	74.2	69.1	
Domestic mobile traffic (minutes/subscription/month)	79.7	84.4	113.6
Individuals using the Internet (%)	70.0	92.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	58.9	100.0	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	29,486	4,088,456	85,990
Fixed-telephone sub-basket (\$ a month)		28.5	25.2
Mobile-cellular sub-basket (\$ a month)		27.7	20.6
Fixed-broadband sub-basket (\$ a month)		40.3	29.2
Trade			
ICT goods exports (% of total goods exports)	7.9	2.7	8.9
ICT goods imports (% of total goods imports)	8.4	4.1	10.8
ICT service exports (% of total service exports)	16.4	21.7	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.75	0.70	
Secure Internet servers (per million people)	473.0	2,258.1	827.6

Macao SAR, China

	Country	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.47	0.56	1,300
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)	24,080	55,720	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	12.8	12.6	1.0
Adult literacy rate (% ages 15 and older)	93	96	
Gross primary, secondary, tertiary school enrollment (%)	92	82	93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	1.7	2.7
Telecommunications investment (% of revenue)	16.8	11.2	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	37.3	29.2	43.6
Mobile-cellular telephone subscriptions (per 100 people)	113.8	289.8	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	14.5	26.0	26.2
Households with a computer (%)	68.1	85.8ª	
Households with Internet access at home (%)	56.9a	81.0 ^a	
Usage	00.0	01.0	. 0.0
Int'l. voice traffic, total (minutes/subscription/month)	37.5	30.1	
Domestic mobile traffic (minutes/subscription/month)	123.1		113.6
Individuals using the Internet (%)	34.9	64.3ª	75.4
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	76.8	99.6	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	9,803	59,233	85,990
Fixed-telephone sub-basket (\$ a month)		8.4	25.2
Mobile-cellular sub-basket (\$ a month)		5.7	20.6
Fixed-broadband sub-basket (\$ a month)		7.9	29.2
Trade			
ICT goods exports (% of total goods exports)	2.8	14.9	8.9
ICT goods imports (% of total goods imports)	9.7	14.5	10.8
ICT service exports (% of total service exports)	0.9	1.3	30.8
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	55.5	311.0	827.6

Macedonia, FYR

Maccuulia, f			
			Upper
	Countr	y data	middle- income group
	2005	2012	2012
Economic and social context			•
Population (millions)	2	2	2,391
Urban population (% of total)	59	59	61
GNI per capita, World Bank Atlas method (\$)	2,830	4,620	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.9	2.9	6.2
Adult literacy rate (% ages 15 and older)	96	97	94
Gross primary, secondary, tertiary school enrollment (%)	68	70	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M		
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	4.9	2.5
Telecommunications investment (% of revenue)	9.8	14.0	18.2
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.5	19.4	
Mobile-cellular telephone subscriptions (per 100 people)	54.1	106.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.6	13.7	
Households with a computer (%)	24.9	58.4	
Hausahalds with Internet access at home (%)	10 5	EC O	2 262

Foreign ownership (not allowed, restricted, allowed)	A		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	4.9	2.5
Telecommunications investment (% of revenue)	9.8	14.0	18.2
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.5	19.4	19.4
Mobile-cellular telephone subscriptions (per 100 people)	54.1	106.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.6	13.7	10.8
Households with a computer (%)	24.9	58.4ª	40.6
Households with Internet access at home (%)	12.5	56.8a	36.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		9.0	1.3
Domestic mobile traffic (minutes/subscription/month)	28.7	149.3	284.4
Individuals using the Internet (%)	26.5a	63.1a	41.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	11.5	92.2	95.5
International Internet bandwidth (bit/s per Internet user)	62	30,836	14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)		9.1	9.4
Mobile-cellular sub-basket (\$ a month)		13.3	14.9
Fixed-broadband sub-basket (\$ a month)		13.5	17.8
Trade			
ICT goods exports (% of total goods exports)	0.4	0.3	17.6

14.7

29.1

0.42

18.5

4.3

20.7

0.49

0.5

4.0

24.0

0.45

51.7

ICT goods imports (% of total goods imports)

Applications

ICT service exports (% of total service exports)

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)

Madagascar

Sub-Saharan Africa Low income

	Countr	Country data		Country data		Country data	
-	2005	2012	group 2012				
Economic and social context							
Population (millions)	18	22	846				
Urban population (% of total)	29	33	28				
GNI per capita, World Bank Atlas method (\$)	290	430	590				
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.0	2.3	5.9				
Adult literacy rate (% ages 15 and older)	71	64	61				
Gross primary, secondary, tertiary school enrollment (%)	60	66	60				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line telephone operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	С						
Mobile telephone service	С	С					
Internet service	С	С					
Foreign ownership (not allowed, restricted, allowed)	R	R					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	2.6	3.2	5.0				
Telecommunications investment (% of revenue)	32.8	31.3					
Sector performance Access							
Fixed-telephone subscriptions (per 100 people)	0.5	1.1	1.0				
Mobile-cellular telephone subscriptions (per 100 people)	2.8	39.4					
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2				
Households with a computer (%)	0.5	2.9					
Households with Internet access at home (%)	0.4a	2.7	a 3.4				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)	14.7	0.9					
Domestic mobile traffic (minutes/subscription/month)	7.7	2.4					
Individuals using the Internet (%)	0.6a	2.1	a 6.2				
Quality							
Population covered by a mobile-cellular network (%)	23						
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	65.0	30.9				
International Internet bandwidth (bit/s per Internet user)	327	493	9,141				
Affordability			- ,				
Fixed-telephone sub-basket (\$ a month)		8.8	8.9				
Mobile-cellular sub-basket (\$ a month)		17.7					
Fixed-broadband sub-basket (\$ a month)		63.7	46.9				
Trade							
ICT goods exports (% of total goods exports)	0.3	0.1					
ICT goods imports (% of total goods imports)	4.6	2.4					
ICT service exports (% of total service exports)	19.6	2.1					
Applications	_5.0						
Online service index (0-1, 1=highest presence)	0.31	0.32	0.20				
Secure Internet servers (per million people)	0.2	0.7					
Table 1 miles (por miles poople)	V	5.1					



Low-

Sub-Saharan Africa Low income

	Country data		income group
-	2005	2012	2012
Economic and social context			
Population (millions)	13	16	846
Urban population (% of total)	15	16	28
GNI per capita, World Bank Atlas method (\$)	220	320	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.5	3.6	5.9
Adult literacy rate (% ages 15 and older)		61	61
Gross primary, secondary, tertiary school enrollment (%)	64	69	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	P	1
Internet service	Р	P	1
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	3.4	5.0
Telecommunications investment (% of revenue)			
Sector performance			
Access	0.8	1.4	1.0
Fixed-telephone subscriptions (per 100 people)	3.3	29.2	
Mobile-cellular telephone subscriptions (per 100 people)	0.0	0.0	
Fixed (wired)-broadband subscriptions (per 100 people)		4.0	
Households with Interest access at home (%)		5.5	
Households with Internet access at home (%) Usage		5.5	3.4
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		5.2	
Individuals using the Internet (%)	0.4	4.4	
Quality	0.4	4.4	- 0.2
Population covered by a mobile-cellular network (%)	70	85	
Fixed (wired)-broadband subscriptions (% of total Internet)	2.7	0.3	30.9
International Internet bandwidth (bit/s per Internet user)	392	2,803	9,141
Affordability		,	,
Fixed-telephone sub-basket (\$ a month)		21.5	8.9
Mobile-cellular sub-basket (\$ a month)		21.0	11.9
Fixed-broadband sub-basket (\$ a month)		48.1	46.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	
ICT goods imports (% of total goods imports)	3.5	3.5	
ICT service exports (% of total service exports)	6.7	27.1	
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.22	0.20
Secure Internet servers (per million people)	0.2	0.9	
· · · · · · · · · · · · · · · · · · ·		2.70	

Malaysia

2005	y data	Upper middle-
	y data	
2005		income group 2012
	2012	
26	29	2,391
68	73	61
5,240	9,820	6,969
5.1	4.4	6.2
89	93	94
71		76
Yes	Yes	
Mixed	Private	
C	C	
C	C	
С	C	
R	R	
d) A	A	
4.6	4.6	2.5
22.5	14.4	18.2
16.9	15.7	19.4
75.6	141.3	92.4
1.9	8.4	10.8
28.2	66.9	40.6
15.0a	64.7	36.3
		1.3
		004
48.6		
1010	00.0	
9.3	97	99
20.	10, 12	1 ,,00
	5.4	9.4
	21.0	11.0
43.4	27 9	17.6
10.4	21.3	20.
0.61	n 79	0.42
17.0	00.0	10.0
	5,240 5.1 89 71 Yes Mixed C C C C R Ad) A 4.6 22.5	5,240 9,820 5.1 4.4 89 93 71 Yes Yes Mixed Private C C C C C C C C C C C C C C C C C C C

Maldives

South Asia l	Upper middle income		
	Countr	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.30	0.34	2,391
Urban population (% of total)	34	42	61
GNI per capita, World Bank Atlas method (\$)	3,420	5,750	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	7.1	7.0	6.2
Adult literacy rate (% ages 15 and older)	98		94
Gross primary, secondary, tertiary school enrollment (%)	77		76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	P	
Internet service	М		
Foreign ownership (not allowed, restricted, allowed)		Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.6		
Telecommunications investment (% of revenue)	15.2		18.2
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.9	6.8	19.4
Mobile-cellular telephone subscriptions (per 100 people)	68.4	165.6	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.1	5.3	10.8
Households with a computer (%)	26.1a	67.2	a 40.6
Households with Internet access at home (%)	7.0a	34.3	a 36.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		32.7	
Domestic mobile traffic (minutes/subscription/month)	55.8	218.4	
Individuals using the Internet (%)	6.9	38.9	a 41.6
Quality			
Population covered by a mobile-cellular network (%)	91	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	100.0	
International Internet bandwidth (bit/s per Internet user)	2,593	25,479	14,580
Affordability		0.0	0.4
Fixed-telephone sub-basket (\$ a month)		3.6	
Mobile-cellular sub-basket (\$ a month)		6.0	
Fixed-broadband sub-basket (\$ a month)		8.2	17.8
Trade	0.2		17.6
ICT goods exports (% of total goods exports)	11.2	4.3	
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			29.1
Applications Online convice index (0.1.1-highest presence)	0.45	0.22	0.42
Online service index (0-1, 1=highest presence)		0.33	
Secure Internet servers (per million people)	6.7	87.0	18.5



Sub-Saharan Africa	Low income
Sub-Saharan Africa	Low income

	Country	v data	Low- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	12	15	846
Urban population (% of total)	31	36	28
GNI per capita, World Bank Atlas method (\$)	440	660	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.9	4.4	5.9
Adult literacy rate (% ages 15 and older)	26	33	61
Gross primary, secondary, tertiary school enrollment (%)	48	57	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	Р	P	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	6.3	
Telecommunications investment (% of revenue)	25.8	24.2	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.6	0.8	1.0
Mobile-cellular telephone subscriptions (per 100 people)	6.4	98.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	
Households with a computer (%)	1.0a	7.7	
Households with Internet access at home (%)	0.7a	2.5	
Usage	0	2.0	0
Int'l. voice traffic, total (minutes/subscription/month)	5.0	5.2	
Domestic mobile traffic (minutes/subscription/month)	9.9	19.3	70.1
Individuals using the Internet (%)	0.5	2.2	a 6.2
Quality			
Population covered by a mobile-cellular network (%)	20		
Fixed (wired)-broadband subscriptions (% of total Internet)	45.7	11.3	30.9
International Internet bandwidth (bit/s per Internet user)	429	5,292	9,141
Affordability Fixed-telephone sub-basket (\$ a month)		8.3	8.9
Mobile-cellular sub-basket (\$ a month)		15.5	
Fixed-broadband sub-basket (\$ a month)		50.0	
Trade		00.0	
ICT goods exports (% of total goods exports)	0.2	0.0	
ICT goods imports (% of total goods imports)	2.2	3.6	
ICT service exports (% of total service exports)	21.9	33.9	
Applications	,		
Online service index (0-1, 1=highest presence)	0.16	0.32	0.20
Secure Internet servers (per million people)	0.1	1.0	
ŭ - FF7			



	Country data		High- income group	
	2005	2012	group 2012	
Economic and social context				
Population (millions)	0.40	0.42	1,300	
Urban population (% of total)	94	95	80	
GNI per capita, World Bank Atlas method (\$)	14,380	19,710	38,412	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.8	1.9	1.0	
Adult literacy rate (% ages 15 and older)	92			
Gross primary, secondary, tertiary school enrollment (%)	77	81	93	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Mixed	Private		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	C	C		
Mobile telephone service	С	C		
Internet service	С	C		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	5.4	3.0	2.7	
Telecommunications investment (% of revenue)	15.1	22.3	17.6	
Sector performance				
Access	48.7	53.7	43.6	
Fixed-telephone subscriptions (per 100 people)	48.7 78.1	127.0		
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.4	32.0		
	46.0	78.0		
Households with a computer (%)	40.6	77.0		
Households with Internet access at home (%)	40.6	11.0	75.5	
Usage		10.2		
Int'l. voice traffic, total (minutes/subscription/month)	40.2	10.3		
Domestic mobile traffic (minutes/subscription/month)	40.3	86.3		
Individuals using the Internet (%)	41.2	70.0	75.4	
Quality	00	100	100	
Population covered by a mobile-cellular network (%)	99	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	57.9	100.0		
International Internet bandwidth (bit/s per Internet user) Affordability	4,531	625,752	85,990	
Fixed-telephone sub-basket (\$ a month)		13.6	25.2	
Mobile-cellular sub-basket (\$ a month)		28.2	20.6	
Fixed-broadband sub-basket (\$ a month)		19.3	29.2	
Trade				
ICT goods exports (% of total goods exports)	45.2	20.2	8.9	
ICT goods imports (% of total goods imports)	25.5	10.9	10.8	
ICT service exports (% of total service exports)	15.3	12.3		
Applications				
Online service index (0-1, 1=highest presence)	0.66	0.61	0.67	
Secure Internet servers (per million people)	331.8	1,488.0		
(F		2, . 2 310	0	

Marshall Islands

East Asia & Pacific	Jpper middle incor			
			Upper middle-	
	Countr	y data	income group	
	2005	2012	2012	
Economic and social context				
Population (millions)	0.05	0.05	2,391	
Urban population (% of total)	70	72	61	
GNI per capita, World Bank Atlas method (\$)	3,560	4,040	6,969	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.8	1.2	6.2	
Adult literacy rate (% ages 15 and older)			94	
Gross primary, secondary, tertiary school enrollment (%)	69		76	
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line telephone operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		M		
Mobile telephone service		M		
Internet service		M		
Foreign ownership (not allowed, restricted, allowed)		Α		
Reg. treatment of VoIP (banned, closed, no framework, allower	d) B	В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	5.0		2.5	
, ,				
			18.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	10.6		19.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	10.6 1.3		19. ⁴ 92. ⁴	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	10.6		19. ⁴ 92. ⁴ 10.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	10.6 1.3		19.4 92.4 10.8 40.6	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	10.6 1.3 0.0		19.4 92.4 10.8 40.6	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	10.6 1.3 0.0	 0.0	19.4 92.4 10.8 40.6 36.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	10.6 1.3 0.0 	 0.0 	19.4 92.4 10.8 40.6 36.3 1.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	10.6 1.3 0.0 	 0.0 	19.4 92.4 10.8 40.6 36.3 1.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	10.6 1.3 0.0 	 0.0 	19.4 92.4 10.8 40.6 36.3 1.3 284.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	10.6 1.3 0.0 	 0.0 	19.4 92.4 10.8 40.6 36.3 1.3 284.4 9.9	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	10.6 1.3 0.0 3.9	0.00	19.4 92.4 10.8 40.6 36.3 1.3 284.4 9.9 95.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	10.6 1.3 0.0 	0.00 10.00	19.4 92.4 10.8 40.6 36.3 1.3 284.4 9.9 95.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	10.6 1.3 0.0 3.9	0.00	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	10.6 1.3 0.0 3.9	 0.0 10.0 8,562	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 9.9 95.5 14,580	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	10.6 1.3 0.0 3.9 0.0 1,153	 0.0 10.0 8,562 45.8	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 9.5 14,580	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	10.6 1.3 0.0 3.9 0.0 1,153	 0.0 10.0 8,562	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	10.6 1.3 0.0 3.9 0.0 1,153	 0.0 10.0 8,562 45.8 22.2 50.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99.95.5 14,580 9.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	10.6 1.3 0.0 3.9 0.0 1,153	 0.00 10.0 8,562 45.8 22.2 50.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.8 14,580 17.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	10.6 1.3 0.0 3.9 0.0 1,153	 0.0 10.0 8,562 45.8 22.2 50.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 9.9 95.8 14,580 17.8 17.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	10.6 1.3 0.0 3.9 0.0 1,153	 0.00 10.0 8,562 45.8 22.2 50.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 9.9 95.8 14,580 17.8 17.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	10.6 1.3 0.0 3.9 0.0 1,153	 0.0 10.0 8,562 45.8 22.2 50.0	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580 9.4 14.5 17.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	10.6 1.3 0.0 3.9 0.0 1,153	 0.0 10.0 8,562 45.8 22.2 50.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580	

Mauritania

Sub-Saharan Africa L	ower m	iddle i	licollic
			Lower middle-
	Country		income
	2005	2012	2012
Economic and social context			
Population (millions)	3	4	2,507
Jrban population (% of total)	40	42	39
GNI per capita, World Bank Atlas method (\$)	690	1,110	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.5	4.2	6.0
Adult literacy rate (% ages 15 and older)	51	59	71
Gross primary, secondary, tertiary school enrollment (%)	45	49	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
evel of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
scotor criticioney and capacity			
Felecommunications revenue (% of GDP)	5.8	5.7	2.5
Felecommunications revenue (% of GDP) Felecommunications investment (% of revenue)	5.8 19.2	5.7 20.0	
Telecommunications revenue (% of GDP)			20.5
Felecommunications revenue (% of GDP) Felecommunications investment (% of revenue) Sector performance Access	19.2	20.0	5.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people)	19.2	20.0	5.4 83.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	19.2 1.3 23.7	20.0 1.7 106.0	5.4 83.1 1.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people)	1.3 23.7 0.0	1.7 106.0 0.2	5.4 83.1 1.4 15.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	19.2 1.3 23.7 0.0 1.6 ^a	1.7 106.0 0.2 3.7	5.4 83.1 1.4 15.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	19.2 1.3 23.7 0.0 1.6 ^a	1.7 106.0 0.2 3.7	5.4 83.1 1.4 a 15.0 a 12.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.3 23.7 0.0 1.6 ^a 0.6 ^a	1.7 106.0 0.2 3.7 3.4	5.4 83.1 1.4 15.0 12.4 6.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month)	19.2 1.3 23.7 0.0 1.6 ^a 0.6 ^a 8.7	1.7 106.0 0.2 3.7 3.4 5.3	5.4 83.1 1.4 15.0 12.4 6.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage It'l. voice traffic, total (minutes/subscription/month) Comestic mobile traffic (minutes/subscription/month)	19.2 1.3 23.7 0.0 1.6 ^a 0.6 ^a 8.7 47.1	1.7 106.0 0.2 3.7 3.4 5.3 68.0	5.4 83.1 1.4 15.0 12.4 6.5
felecommunications revenue (% of GDP) felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Comestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	19.2 1.3 23.7 0.0 1.6 ^a 0.6 ^a 8.7 47.1	1.7 106.0 0.2 3.7 3.4 5.3 68.0	5.4 83.1 1.4 15.0 12.4 6.5
felecommunications revenue (% of GDP) felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality	19.2 1.3 23.7 0.0 1.6 ^a 0.6 ^a 8.7 47.1 0.7	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4	5.4 83.1 1.4 15.0 3 12.4 6.5 86
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	19.2 1.3 23.7 0.0 1.6 ^a 0.6 ^a 8.7 47.1 0.7	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4	5.4 83.1 1.4 15.0 12.4 6.5 86 58.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Tixed (wired)-broadband subscriptions (% of total Internet)	19.2 1.3 23.7 0.0 1.6 ^a 0.6 ^a 8.7 47.1 0.7 26 7.2	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5	5.4 83.1 1.4 15.0 12.4 6.5 86 58.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Tixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	19.2 1.3 23.7 0.0 1.6 ^a 0.6 ^a 8.7 47.1 0.7 26 7.2	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5	5.4 83.1 1.4 15.0 3 12.4 6.5 86 58.2 8,076
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Tixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	19.2 1.3 23.7 0.0 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,135	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5 3,042	5.4 83.1 1.4 15.0 12.4 6.5 86 58.2 8,076
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscription/month) Tixed (wired)-broadband subscriptions (% of total Internet) Tixed (wired)-broadband subscriptions (% of total Internet) Telephone sub-basket (\$ a month)	19.2 1.3 23.7 0.0 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,135	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5 3,042	5.4 83.1 1.4 15.0 12.4 6.5 86 58.2 8,076 4.9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	19.2 1.3 23.7 0.0 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,135	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5 3,042 17.6 14.6	5.4 83.1 1.4 15.0 12.4 6.5 86 58.2 8,076 4.9
felecommunications revenue (% of GDP) felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	19.2 1.3 23.7 0.0 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,135	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5 3,042 17.6 14.6	20.5 5.4 83.1 1.4 15.0 12.4 6.5 86.5 8.2 8,076 4.9 10.5 20.6
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	19.2 1.3 23.7 0.0 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,135	1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5 3,042 17.6 14.6 22.3	20.5 5.4 83.1 1.4 83.1 12.4 6.5 86 58.2 8,076 4.9 10.5 20.6 4.6
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Touseholds with a computer (%) Touseholds with Internet access at home (%) Susage The voice traffic, total (minutes/subscription/month) Touristic mobile traffic (minutes/subscription/month) Tixed (wired)-broadband subscriptions (% of total Internet) The population covered by a mobile-cellular network (%) Tixed (wired)-broadband subscriptions (% of total Internet) Tixed-telephone sub-basket (\$ a month) Tixed-broadband sub-basket (\$ a month) Tixede Tixed subscriptions (% of total goods exports)	19.2 1.3 23.7 0.0 1.6 ^a 0.6 ^a 8.7 47.1 0.7 26 7.2 2,135	20.0 1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5 3,042 17.6 14.6 22.3	20.5 5.4 83.1 1.4 83.1 12.4 6.5 86 58.2 8,076 4.9 10.5 20.6 4.6
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Tixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Tixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	19.2 1.3 23.7 0.0 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,135 1.4	20.0 1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5 3,042 17.6 14.6 22.3 1.2	20.5 5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Telecommunications investment (% of revenue) Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed CT goods exports (% of total goods exports) CT goods imports (% of total service exports)	19.2 1.3 23.7 0.0 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,135 1.4	20.0 1.7 106.0 0.2 3.7 3.4 5.3 68.0 5.4 62 95.5 3,042 17.6 14.6 22.3 1.2	20.5 5.4 83.1 1.4 15.0 3 12.4 6.5 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1

Mauritius

Sub-Saharan Africa	Jpper m	iddle ii	ncome
	0		Upper middle- income
	Countr		group
	2005	2012	2012
Economic and social context Population (millions)	1	1	2,391
Urban population (% of total)	42	42	2,391
GNI per capita, World Bank Atlas method (\$)	5,360	8,570	6,969
GDP growth, 2000–05 and 2005–12 (avg. annual %)	3.3	4.3	6.2
Adult literacy rate (% ages 15 and older)	84	89	94
Gross primary, secondary, tertiary school enrollment (%)	77	86	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	3.1	2.5
Telecommunications investment (% of revenue)	12.9	55.5	18.2
Sector performance			
Access			
Access Fixed-telephone subscriptions (per 100 people)	29.5	28.2	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	54.2	119.9	92.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	54.2 0.4	119.9 11.2	92.4 10.8
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	54.2 0.4 22.5 ^a	119.9 11.2 40.6	92.4 10.8 40.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	54.2 0.4	119.9 11.2	92.4 10.8 40.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	54.2 0.4 22.5 ^a 15.0 ^a	119.9 11.2 40.6 ⁶ 42.0 ⁶	92.4 10.8 40.6 36.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	54.2 0.4 22.5 ^a 15.0 ^a	119.9 11.2 40.6 42.0 11.6	92.4 10.8 40.6 36.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8	119.9 11.2 40.6 ⁶ 42.0 ⁶	92.4 10.8 40.6 36.3 1.3 284.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	54.2 0.4 22.5 ^a 15.0 ^a	119.9 11.2 40.66 42.06 11.6 125.1	92.4 10.8 40.6 36.3 1.3 284.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8	119.9 11.2 40.66 42.06 11.6 125.1	92.4 10.8 40.6 36.3 1.3 284.4 41.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a	119.9 11.2 40.6 ⁶ 42.0 ⁶ 11.6 125.1 41.4 ⁶	92.4 10.8 40.6 36.3 1.3 284.4 41.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a	119.9 11.2 40.6 42.0 11.6 125.1 41.4	92.4 10.8 40.6 36.3 1.3 284.4 41.6 99
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	54.2 0.4 22.5a 15.0a 14.5 80.8 15.2a 100 6.3 832	119.9 11.2 40.6° 42.0° 11.6 125.1 41.4° 99 96.2 16,125	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	54.2 0.4 22.5a 15.0a 14.5 80.8 15.2a 100 6.3 832	119.9 11.2 40.6 ⁶ 42.0 ⁶ 11.6 125.1 41.4 ⁶ 99 96.2 16,125	92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 832	119.9 11.2 40.6 ^a 42.0 ^a 11.6 125.1 41.4 ^a 99 96.2 16,125 5.4 6.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.8 14,580
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	54.2 0.4 22.5a 15.0a 14.5 80.8 15.2a 100 6.3 832	119.9 11.2 40.6 ⁶ 42.0 ⁶ 11.6 125.1 41.4 ⁶ 99 96.2 16,125	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.8 14,580
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 832	119.9 11.2 40.6 ^a 42.0 ^a 11.6 125.1 41.4 ^a 99 96.2 16,125 5.4 6.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 14.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 832	119.9 11.2 40.6° 42.0° 11.6 125.1 41.4° 99 96.2 16,125 5.4 6.5 12.2	92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580 9.2 17.8
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 832 	119.9 11.2 40.6° 42.0° 11.6 125.1 41.4° 99 96.2 16,125 5.4 6.55 12.2	92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580 9.4 17.8
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 832 	119.9 11.2 40.6° 42.0° 11.6 125.1 41.4° 99 96.2 16,125 5.4 6.5 12.2 0.8 5.1	92.4 10.8 40.6 36.3 284.4 41.6 99 55.5 14,580 9.4 17.8
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	54.2 0.4 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 832 	119.9 11.2 40.6° 42.0° 11.6 125.1 41.4° 99 96.2 16,125 5.4 6.5 12.2 0.8 5.1	36.3 1.3 284.4



Latin America & Caribbean	Upper m	iddle i	ncome
		Country data	
			group
Francis and cold contact	2005	2012	2012
Economic and social context Population (millions)	111	121	2.391
Urban population (% of total)	76	78	,
GNI per capita, World Bank Atlas method (\$)	7,710	9,640	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	1.7	1.9	
Adult literacy rate (% ages 15 and older)	92	94	
Gross primary, secondary, tertiary school enrollment (%)	73	76	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	No	
Sector efficiency and capacity	2.5	0.0	2.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	2.5 15.9	2.6 22.2	
Sector performance Access	17.6	16.7	10.4
Fixed-telephone subscriptions (per 100 people)	17.6	16.7	
Mobile-cellular telephone subscriptions (per 100 people)	42.6 1.7	83.4 10.5	
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	18.6	32.2	
Households with Internet access at home (%)	8.9	26.0	
Usage	0.5	20.0	30.3
Int'l. voice traffic, total (minutes/subscription/month)			1.3
Domestic mobile traffic (minutes/subscription/month)	45.8	111.8	
Individuals using the Internet (%)	17.2a	38.4	41.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	49.5	98.3	95.5
International Internet bandwidth (bit/s per Internet user)	708	15,670	14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)		19.2	
Mobile-cellular sub-basket (\$ a month)		23.4	
Fixed-broadband sub-basket (\$ a month)		17.6	17.8
Trade	40.0	400	47.0
ICT goods exports (% of total goods exports)	18.0	16.9	
ICT goods imports (% of total goods imports)	17.1	16.5	
ICT service exports (% of total service exports) Applications			29.1
Applications Online service index (0–1, 1=highest presence)	0.59	0.73	0.42
Secure Internet servers (per million people)	7.8	26.5	
oceare internet servers (her million heahie)	1.0	20.3	10.3

Micronesia, Fed. Sts.

East Asia & Pacific Lo		ower middle income		
		Occupation data		
	Countr		group	
	2005	2012	2012	
Economic and social context	0.11	0.10	0.503	
Population (millions) Urban population (% of total)	0.11	0.10 23	,	
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,550	3,230		
GDP growth, 2000–05 and 2005–12 (avg. annual %)	0.4	0.2	,	
Adult literacy rate (% ages 15 and older)				
Gross primary, secondary, tertiary school enrollment (%)	75		64	
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line telephone operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		М		
Mobile telephone service	С	М		
Internet service		М		
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) No	R A		
reg. treatment of voir (bailied, closed, no framework, allowed) 110	A		
Sector efficiency and capacity	4.0		0.5	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	4.8 13.2			
Sector performance				
Access				
-	11.7	8.1	5.4	
Access	11.7 13.3	8.1 30.2		
Access Fixed-telephone subscriptions (per 100 people)			83.1 1.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	13.3	30.2	83.1 1.4 15.0	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	13.3 0.0	30.2 1.0	83.1 1.4 15.0	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	13.3 0.0 	30.2 1.0	83.1 1.4 15.0 12.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	13.3 0.0 	30.2 1.0	83.1 1.4 15.0 12.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	13.3 0.0 44.2	30.2	83.1 1.4 15.0 12.4 6.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	13.3 0.0 	30.2 1.0 	83.1 1.4 15.0 12.4 6.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	13.3 0.0 44.2	30.2	83.1 1.4 15.0 12.4 6.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	13.3 0.0 44.2 11.9	30.2 1.0 26.0	83.1 1.4 15.0 12.4 6.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	13.3 0.0 44.2 11.9	30.2 1.0 26.0	83.1 1.4 15.0 12.4 6.5 18.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	13.3 0.0 44.2 11.9	30.2 1.0 26.0	83.1 1.4 15.0 12.4 6.5 18.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	13.3 0.0 44.2 11.9	30.2 1.0 26.0	83.1 1.2 15.0 12.4 6.5 18.7 86 58.2 8,076	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	13.3 0.0 44.2 11.9 2.0 476	30.2 1.0 26.0 46.9 1,930	83.1 1.4 15.0 12.4 6.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	13.3 0.0 44.2 11.9 2.0 476	30.2 1.0 26.0 46.9 1,930	83.1 1.4 15.0 12.4 6.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	13.3 0.0 44.2 11.9 2.0 476	30.2 1.0 26.0 46.9 1,930 147.0 13.6	83.1 1.4 15.0 12.4 6.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	13.3 0.0 44.2 11.9 2.0 476	30.2 1.0 26.0 46.9 1,930 147.0 13.6	83.1 1.2 15.0 12.4 6.5 18.7 86 58.2 8,076 4.5 20.6	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	13.3 0.0 44.2 11.9 2.0 476	30.2 1.0 26.0 46.9 1,930 147.0 13.6 33.0	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.5 20.6	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	13.3 0.0 44.2 11.9 2.0 476	30.2 1.0 26.0 46.9 1,930 147.0 13.6 33.0	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.5 20.6	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications	13.3 0.0 44.2 11.9 2.0 476	30.2 1.0 26.0 46.9 1,930 147.0 33.0	83.1 1.4 15.0 12.4 6.5 3 18.7 86 58.2 8,076 4.9 10.5 20.6	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	13.3 0.0 44.2 11.9 2.0 476	30.2 1.0 26.0 46.9 1,930 147.0 13.6 33.0	83.1 1.4 15.0 12.4 6.5 a 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1	

Moldova

Europe & Central Asia Lower		ver middle incom	
	Countr	Country data	
-	2005	2012	group 2012
Economic and social context	2003	2012	2012
Population (millions)	4	4	2.507
Urban population (% of total)	43	48	-,
GNI per capita, World Bank Atlas method (\$)	890	2,070	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	7.1	3.1	,
Adult literacy rate (% ages 15 and older)	97	99	
Gross primary, secondary, tertiary school enrollment (%)	71	64	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.7	4.7	2.5
Telecommunications investment (% of revenue)	31.4	42.0	20.5
Sector performance			
Access			
Access Fixed-telephone subscriptions (per 100 people)	24.7	34.3	5.4
	24.7 28.9	34.3 102.0	
Fixed-telephone subscriptions (per 100 people)			83.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	28.9	102.0	83.1 1.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	28.9 0.3	102.0 11.9	83.1 1.4 a 15.0
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	28.9 0.3 7.0	102.0 11.9 44.5	83.1 1.4 a 15.0
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	28.9 0.3 7.0	102.0 11.9 44.5	83.1 1.4 a 15.0 a 12.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	28.9 0.3 7.0 2.3 ^a	102.0 11.9 44.5 42.0	83.1 1.4 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	28.9 0.3 7.0 2.3ª	102.0 11.9 44.5 42.0	83.1 1.4 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	28.9 0.3 7.0 2.3 ^a 22.2 36.4	102.0 11.9 44.5 42.0 17.2 103.1	83.1 1.4 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	28.9 0.3 7.0 2.3 ^a 22.2 36.4	102.0 11.9 44.5 42.0 17.2 103.1	83.1 1.4 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	28.9 0.3 7.0 2.3ª 22.2 36.4 14.6	102.0 11.9 44.5 42.0 17.2 103.1	83.1 1.4 a 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	28.9 0.3 7.0 2.3ª 22.2 36.4 14.6	102.0 11.9 44.5 42.0 17.2 103.1 43.4	83.1 1.4 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	28.9 0.3 7.0 2.3 ^a 22.2 36.4 14.6 97 17.0	102.0 11.9 44.5 42.0 17.2 103.1 43.4 	83.1 1.4 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	28.9 0.3 7.0 2.3 ^a 22.2 36.4 14.6 97 17.0	102.0 11.9 44.5 42.0 17.2 103.1 43.4 	83.1 1.4 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	28.9 0.3 7.0 2.3 ^a 22.2 36.4 14.6 97 17.0 744	102.0 11.9 44.5 42.0 17.2 103.1 43.4 100.0 94,175	83.1 1.4 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	28.9 0.3 7.0 2.3ª 22.2 36.4 14.6 97 17.0 744	102.0 11.9 44.5 42.0 17.2 103.1 43.4 100.0 94,175	83.1 1.4 15.0 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	28.9 0.3 7.0 2.3ª 22.2 36.4 14.6 97 17.0 744	102.0 11.9 44.5 42.0 17.2 103.1 43.4 100.0 94,175 0.5 13.2	83.1 1.4 15.0 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	28.9 0.3 7.0 2.3ª 22.2 36.4 14.6 97 17.0 744	102.0 11.9 44.5 42.0 17.2 103.1 43.4 100.0 94,175 0.5 13.2	83.1 1.4 a 15.0 a 12.4 6.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Wasge Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	28.9 0.3 7.0 2.3ª 22.2 36.4 14.6 97 17.0 744	102.0 11.9 44.5 42.0 17.2 103.1 43.4 100.0 94,175 0.5 13.2 12.8	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	28.9 0.3 7.0 2.3a 22.2 36.4 14.6 97 17.0 744 0.3	102.0 11.9 44.5 42.0 17.2 103.1 43.4 100.0 94,175 0.5 13.2 12.8	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	28.9 0.3 7.0 2.3a 22.2 36.4 14.6 97 17.0 744 0.3 3.6	102.0 11.9 44.5 42.0 17.2 103.1 43.4 100.0 94,175 0.5 13.2 12.8 0.3 3.3	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	28.9 0.3 7.0 2.3a 22.2 36.4 14.6 97 17.0 744 0.3 3.6	102.0 11.9 44.5 42.0 17.2 103.1 43.4 100.0 94,175 0.5 13.2 12.8 0.3 3.3	83.1 1.4 a 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2

Monaco

	Country data		High- income group	
	2005	2012	2012	
Economic and social context				
Population (millions)	0.03	0.04	1,300	
Urban population (% of total)	100	100	80	
GNI per capita, World Bank Atlas method (\$)	128,380	186,950	38,412	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	1.7		1.0	
Adult literacy rate (% ages 15 and older)				
Gross primary, secondary, tertiary school enrollment (%)			93	
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line telephone operator	Private	Private		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		Р		
Mobile telephone service	М	М		
Internet service	С	М		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed				
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	5.4		2.7	
Telecommunications investment (% of revenue)	7.6		17.6	
Sector performance Access				
Fixed-telephone subscriptions (per 100 people)	100.5	121.7	43.6	
Mobile-cellular telephone subscriptions (per 100 people)	50.8	88.3	122.9	
Fixed (wired)-broadband subscriptions (per 100 people)	28.1	43.3	26.2	
Households with a computer (%)	63.5ª			
Households with Internet access at home (%)	40.1a	70.9	75.5	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)	241.5	114.6		
Domestic mobile traffic (minutes/subscription/month)	49.0	125.4		
Individuals using the Internet (%)	55.5	87.0	75.4	
Quality Population covered by a mobile-cellular network (%)	100	100	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	96.9	100.0	95.9	
International Internet bandwidth (bit/s per Internet user)	6,129	244,695	85,990	
Affordability	0,123	244,033	05,550	
Fixed-telephone sub-basket (\$ a month)		21.2	25.2	
Mobile-cellular sub-basket (\$ a month)		52.6	20.6	
Fixed-broadband sub-basket (\$ a month)		45.9	29.2	
Trade				
ICT goods exports (% of total goods exports)			8.9	
ICT goods imports (% of total goods imports)			10.8	
ICT service exports (% of total service exports)			30.8	
Applications				
Online service index (0-1, 1=highest presence)	0.00	0.36	0.67	
Secure Internet servers (per million people)	709.9	2,736.8	827.6	

Mongolia

East Asia & Pacific	Lower middle income

			Lower middle- income
-	Country 2005	y data 2012	group 2012
Economic and social context			
Population (millions)	3	3	2,507
Urban population (% of total)	62	69	,
GNI per capita, World Bank Atlas method (\$)	900	3,160	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.7	8.0	6.0
Adult literacy rate (% ages 15 and older)	98	97	71
Gross primary, secondary, tertiary school enrollment (%)	79	93	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	3
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	F	
Mobile telephone service	Р	F	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	F	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	4.2	
Telecommunications investment (% of revenue)	15.1	19.1	20.5
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	6.2	6.3	5.4
Mobile-cellular telephone subscriptions (per 100 people)	22.1	120.7	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	3.7	1.4
Households with a computer (%)	6.3a	30.3	15.0
Households with Internet access at home (%)	2.3a	14.0	12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		4.2	6.5
Domestic mobile traffic (minutes/subscription/month)	0.3	99.4	
Individuals using the Internet (%)	9.0a	16.4	18.7
Quality			
Population covered by a mobile-cellular network (%)	29	91	. 86
Fixed (wired)-broadband subscriptions (% of total Internet)	20.0	98.8	58.2
International Internet bandwidth (bit/s per Internet user) Affordability	5,138	94,295	8,076
Fixed-telephone sub-basket (\$ a month)		1.1	4.9
Mobile-cellular sub-basket (\$ a month)		5.7	
Fixed-broadband sub-basket (\$ a month)		10.3	20.6
Trade			
ICT goods exports (% of total goods exports)	0.0		. 4.6
ICT goods imports (% of total goods imports)	5.0		. 7.2
ICT service exports (% of total service exports)	6.0	20.7	
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.59	0.32
Secure Internet servers (per million people)	3.2	22.2	

Montenegro

	pper m	iddle ii	ncome
	Countr		Upper middle- income group
•	2005	2012	2012
Economic and social context			
Population (millions)	0.62	0.62	2,391
Urban population (% of total)	62	63	61
GNI per capita, World Bank Atlas method (\$)	3,650	7,220	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.8	3.1	6.2
Adult literacy rate (% ages 15 and older)		98	94
Gross primary, secondary, tertiary school enrollment (%)	75	89	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance			18.2
Access			
Fixed-telephone subscriptions (per 100 people)			
	27.8	26.2	
Mobile-cellular telephone subscriptions (per 100 people)	88.2	181.3	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	88.2 1.2	181.3 8.4	92.4 10.8
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	88.2 1.2 18.6	181.3 8.4 51.3	92.4 10.8 40.6
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	88.2 1.2	181.3 8.4	92.4 10.8 40.6
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	88.2 1.2 18.6	181.3 8.4 51.3 55.0	92.4 10.8 40.6 36.3
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	88.2 1.2 18.6 13.0 ^a	181.3 8.4 51.3 55.0	92.4 10.8 40.6 36.3
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	88.2 1.2 18.6 13.0 ^a 	181.3 8.4 51.3 55.0	92.4 10.8 40.6 36.3 1.3 284.4
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	88.2 1.2 18.6 13.0 ^a	181.3 8.4 51.3 55.0	92.4 10.8 40.6 36.3 1.3 284.4
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	88.2 1.2 18.6 13.0 ^a 	181.3 8.4 51.3 55.0	92.4 10.8 40.6 36.3 1.3 284.4 41.6
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a	181.3 8.4 51.3 55.0 56.8	92.4 10.8 40.0 36.3 1.3 284.4 41.0
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99	181.3 8.4 51.3 55.0 56.8	92.4 10.8 40.0 36.3 1.3 284.4 41.0
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99	181.3 8.4 51.3 55.0 56.8 100 60,621	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	88.2 1.2 18.6 13.0°a 110.7 27.1°a 99 9.5 1,438	181.3 8.4 51.3 55.0 56.8 100 60,621	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99 9.5 1,438	181.3 8.4 51.3 55.0 56.8 100 60,621 8.3 17.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	88.2 1.2 18.6 13.0°a 110.7 27.1°a 99 9.5 1,438	181.3 8.4 51.3 55.0 56.8 100 60,621	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99 9.5 1,438	181.3 8.4 51.3 55.0 56.8 100 60,621 8.3 17.5 19.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.8 14,580 9.4 17.8
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99 9.5 1,438	181.3 8.4 51.3 55.0 56.8 100 60,621 8.3 17.5 19.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 17.8
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99 9.5 1,438 	181.3 8.4 51.3 55.0 56.8 100 60,621 8.3 17.5 19.5 0.4 3.0	92.4 10.8 40.6 36.3 1.3 284.4 41.6 9.9 55.8 14,580 9.4 17.8 17.8
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99 9.5 1,438	181.3 8.4 51.3 55.0 56.8 100 60,621 8.3 17.5 19.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 17.8 17.6 14.7
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99 9.5 1,438 	181.3 8.4 51.3 55.0 56.8 100 60,621 8.3 17.5 19.5 0.4 3.0 7.9	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 17.8 17.8 17.8
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	88.2 1.2 18.6 13.0 ^a 110.7 27.1 ^a 99 9.5 1,438 	181.3 8.4 51.3 55.0 56.8 100 60,621 8.3 17.5 19.5 0.4 3.0	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 17.6 17.6 17.6 18.5



Middle East & North Africa	ower n	niddle i	ncome
			Lower middle- income
	2005	y data 2012	group 2012
Economic and social context	2000	2012	2012
Population (millions)	30	33	2,507
Urban population (% of total)	55	57	,
GNI per capita, World Bank Atlas method (\$)	1,980	2,960	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.0	4.7	6.0
Adult literacy rate (% ages 15 and older)	52	67	71
Gross primary, secondary, tertiary school enrollment (%)	59	67	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)	0		
International gateway(s)	C	0	
Mobile telephone service Internet service	C	0	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed		A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.3	2.5
Telecommunications investment (% of revenue)	17.0	16.7	20.5
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	4.5	10.1	5.4
Mobile-cellular telephone subscriptions (per 100 people)	41.1	120.0	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.8	2.1	1.4
Households with a computer (%)	13.2	43.1	15.0
Households with Internet access at home (%) Usage	4.3	38.9	12.4
Int'l. voice traffic, total (minutes/subscription/month)	12.7	9.9	6.5
Domestic mobile traffic (minutes/subscription/month)	7.8	68.2	
Individuals using the Internet (%) Quality	15.1	55.0	18.7
Population covered by a mobile-cellular network (%)	98	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0	99.7	58.2
International Internet bandwidth (bit/s per Internet user)	1,562	14,871	8,076
Affordability			
Fixed-telephone sub-basket (\$ a month)		2.3	4.9
Mobile-cellular sub-basket (\$ a month)		23.2	
Fixed-broadband sub-basket (\$ a month) Trade		12.2	20.6
ICT goods exports (% of total goods exports)	6.0	3.1	4.6
ICT goods imports (% of total goods imports)	7.0	3.5	7.2
ICT service exports (% of total service exports) Applications	17.0	21.8	47.1
Online service index (0-1, 1=highest presence)	0.29	0.54	0.32
Secure Internet servers (per million people)	0.29	3.6	
ocoure internet servers (per million people)	0.7	5.0	4.4

Mozambique

Sub-Saharan Africa Low income

	Country	Country data	
-	2005	2012	group 2012
Economic and social context			
Population (millions)	21	25	846
Urban population (% of total)	30	31	28
GNI per capita, World Bank Atlas method (\$)	290	510	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	8.5	6.9	5.9
Adult literacy rate (% ages 15 and older)	48	51	61
Gross primary, secondary, tertiary school enrollment (%)	52	61	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	6.2	5.0
Telecommunications investment (% of revenue)	24.6	21.7	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.3	0.3	
Mobile-cellular telephone subscriptions (per 100 people)	7.2	36.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.1	
Households with a computer (%)	0.6a	5.9	
Households with Internet access at home (%)	0.8a	4.7	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		0.8	
Domestic mobile traffic (minutes/subscription/month)	25.6	26.4	
Individuals using the Internet (%)	0.9a	4.8	a 6.2
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)		132.8	
International Internet bandwidth (bit/s per Internet user)	106	1,636	9,141
Affordability		12.9	8.9
Fixed-telephone sub-basket (\$ a month)		13.0	
Mobile-cellular sub-basket (\$ a month)			
Fixed-broadband sub-basket (\$ a month)		58.5	46.9
Trade	0.1	0.0	
ICT goods exports (% of total goods exports)	0.1	0.0	
ICT goods imports (% of total goods imports)	4.5	2.3	
ICT service exports (% of total service exports)	20.6	31.1	
Applications	0.00	0.07	0.00
Online service index (0-1, 1=highest presence)	0.26	0.37	
Secure Internet servers (per million people)	0.1	1.6	1.1



East Asia & Pacific

Low income

	Country	Country data	
•	2005	2012	group 2012
Economic and social context			
Population (millions)	50	53	846
Urban population (% of total)	29	33	28
GNI per capita, World Bank Atlas method (\$)			590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	12.8		5.9
Adult literacy rate (% ages 15 and older)	90	93	61
Gross primary, secondary, tertiary school enrollment (%)	53		60
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	M	
Internet service	Р	M	
Foreign ownership (not allowed, restricted, allowed)		Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			5.0
Telecommunications investment (% of revenue)	8.6		
Sector performance			
Access	1.0	1 1	1.0
Fixed-telephone subscriptions (per 100 people)	1.0	1.1	
Mobile-cellular telephone subscriptions (per 100 people)	0.3	10.3	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	
Households with a computer (%)	0.3 ^a 0.2 ^a	2.3 1.8	
Households with Internet access at home (%)	0.2	1.0	3.4
Usage	15.2		
Int'l. voice traffic, total (minutes/subscription/month)			70.4
Domestic mobile traffic (minutes/subscription/month)	0.1	1.1	
Individuals using the Internet (%) Quality	0.1	1.1	0.2
Population covered by a mobile-cellular network (%)	10	2	
Fixed (wired)-broadband subscriptions (% of total Internet)	3.8	72.8	30.9
International Internet bandwidth (bit/s per Internet user)	2,871	9,425	
Affordability	_,	-,	-,
Fixed-telephone sub-basket (\$ a month)		0.9	8.9
Mobile-cellular sub-basket (\$ a month)		12.8	
Fixed-broadband sub-basket (\$ a month)		28.5	46.9
Trade			
ICT goods exports (% of total goods exports)		0.0	
ICT goods imports (% of total goods imports)		1.7	
ICT service exports (% of total service exports)		2.,	
Applications	•	••	
Online service index (0-1, 1=highest presence)	0.29	0.10	0.20
Secure Internet servers (per million people)	0.23	0.10	1.1
Secure internet servers (her minion beobie)	0.0	0.1	1

Namibia

	pper middle incom		
			Upper middle- income
	Countr	y data	group
	2005	2012	2012
Economic and social context	0	0	0.004
Population (millions) Urban population (% of total)	2 35	2 39	2,391 61
GNI per capita, <i>World Bank Atla</i> s method (\$)	3,390	5,610	6,969
GDP growth, 2000–05 and 2005–12 (avg. annual %)	5.4	4.1	6.2
Adult literacy rate (% ages 15 and older)	76	7.1	94
Gross primary, secondary, tertiary school enrollment (%)	71		76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	М	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.2	2.5
Tologommunications invostment (% of rovenue)			
Telecommunications investment (% of revenue)	7.5	12.3	18.2
Sector performance	7.5	12.3	18.2
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	6.9	7.6	19.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	6.9 22.1	7.6 95.0	19. ⁴ 92. ⁴
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	6.9 22.1 0.0	7.6 95.0 1.2	19. ² 92. ² 10.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	6.9 22.1 0.0 6.9 ^a	7.6 95.0 1.2 14.3	19. ⁴ 92. ⁴ 10.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	6.9 22.1 0.0	7.6 95.0 1.2	19. ⁴ 92. ⁴ 10.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	6.9 22.1 0.0 6.9 ^a	7.6 95.0 1.2 14.3	19. ² 92. ² 10.8 40.6 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	6.9 22.1 0.0 6.9 ^a 3.0 ^a	7.6 95.0 1.2 14.3 13.0	19.4 92.4 10.8 40.6 36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	6.9 22.1 0.0 6.9 ^a 3.0 ^a	7.6 95.0 1.2 14.3 13.0 6.0	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	6.9 22.1 0.0 6.9 ^a 3.0 ^a	7.6 95.0 1.2 14.3 13.0 6.0 92.6	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	6.9 22.1 0.0 6.9 ^a 3.0 ^a	7.6 95.0 1.2 14.3 13.0 6.0 92.6	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	6.9 22.1 0.0 6.9 ^a 3.0 ^a 	7.6 95.0 1.2 14.3 13.0 6.0 92.6 12.9	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	6.9 22.1 0.0 6.9 ^a 3.0 ^a 4.0 ^a	7.6 95.0 1.2 14.3 13.0 6.0 92.6 12.9	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	6.9 22.1 0.0 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2	7.66 95.0 1.2 14.3 ⁱ 13.0 ⁱ 6.0 92.6 12.9 ⁱ	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	6.9 22.1 0.0 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 443	7.6 95.0 1.2 14.3 13.0 6.0 92.6 12.9 100 	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.8 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	6.9 22.1 0.0 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 443	7.66 95.0 1.2 14.33 13.03 6.0 92.6 12.99 100 3,564	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.8 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	6.9 22.1 0.0 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 443	7.66 95.0 1.2 14.33 13.03 6.0 92.6 12.93 100 3,564 12.8	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.8 14,580
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	6.9 22.1 0.0 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 443	7.6 95.0 1.2 14.3 13.0 6.0 92.6 12.9 100 3,564 12.8 16.0 68.7	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 95.8 14,580 9.4 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	6.9 22.1 0.0 6.9ª 3.0ª 4.0ª 88 0.2 443	7.6 95.0 1.2 14.3 13.0 6.0 92.6 12.9 100 3,564 12.8 16.0 68.7	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 95.5 14,580 9.4 14.5 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	6.9 22.1 0.0 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 443	7.6 95.0 1.2 14.3 13.0 6.0 92.6 12.9 100 3,564 12.8 16.0 68.7	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 95.5 14,580 9.2 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	6.9 22.1 0.0 6.9 3.0 4.0 4.0 88 0.2 443 0.5 4.8 4.7	7.66 95.0 1.2 14.33 13.03 6.0 92.6 12.99 100 3,564 12.8 16.0 68.7 0.6 3.1 27.0	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580 9.4 14.5 17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	6.9 22.1 0.0 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 443 	7.6 95.0 1.2 14.3 13.0 6.0 92.6 12.9 100 3,564 12.8 16.0 68.7	36.3 1.3 284.4



South Asia Low income

-	Country data		Low- income group	
	2005	2012	2012	
Economic and social context				
Population (millions)	25	27	846	
Urban population (% of total)	15	17	28	
GNI per capita, World Bank Atlas method (\$)	320	700	590	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.3	4.5	5.9	
Adult literacy rate (% ages 15 and older)	49	57	61	
Gross primary, secondary, tertiary school enrollment (%)	64	77	60	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	Р	С		
Mobile telephone service	Р	P		
Internet service	С	C		
Foreign ownership (not allowed, restricted, allowed)	R	R		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	0.9		5.0	
Telecommunications investment (% of revenue)	26.7			
Sector performance Access				
Fixed-telephone subscriptions (per 100 people)	1.9	3.0	1.0	
Mobile-cellular telephone subscriptions (per 100 people)	0.9	59.6	47.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.5	0.2	
Households with a computer (%)	1.9	7.8	a 4.2	
Households with Internet access at home (%)	0.7a	4.1	a 3.4	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)				
Domestic mobile traffic (minutes/subscription/month)			70.1	
Individuals using the Internet (%)	0.8	11.1	a 6.2	
Quality				
Population covered by a mobile-cellular network (%)	10	35		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	64.8	30.9	
International Internet bandwidth (bit/s per Internet user)	226	1,632	9,141	
Affordability				
Fixed-telephone sub-basket (\$ a month)		2.7	8.9	
Mobile-cellular sub-basket (\$ a month)		3.5	11.9	
Fixed-broadband sub-basket (\$ a month)		8.0	46.9	
Trade				
ICT goods exports (% of total goods exports)		0.2		
ICT goods imports (% of total goods imports)	4.5	5.3		
ICT service exports (% of total service exports)	27.2	41.5		
Applications				
Online service index (0-1, 1=highest presence)	0.27	0.29	0.20	
	0.5	2.4	1.1	

Netherlands

	Count	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	16	17	1,300
Urban population (% of total)	80	84	80
GNI per capita, World Bank Atlas method (\$)	39,880	48,000	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.2	0.7	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	97	106	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	P	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.7	2.7
Telecommunications investment (% of revenue)	13.2	26.3	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	46.6	43.0	43.6
Mobile-cellular telephone subscriptions (per 100 people)	97.1	118.0	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	25.1	39.8	
Households with a computer (%)	78.0	97.2	
Households with Internet access at home (%)	78.3	94.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	38.8	95.0	113.6
Individuals using the Internet (%)	81.0	93.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.2	100.0	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	25,338	172,864	85,990
Fixed-telephone sub-basket (\$ a month)		35.1	25.2
Mobile-cellular sub-basket (\$ a month)		43.5	20.6
Fixed-broadband sub-basket (\$ a month)		35.4	29.2
Trade			
ICT goods exports (% of total goods exports)	16.8	10.2	8.9
ICT goods imports (% of total goods imports)	18.7	12.1	10.8
ICT service exports (% of total service exports)	45.5	45.2	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.86	0.96	0.67
Secure Internet servers (per million people)	327.1	2,391.3	827.6

New Caledonia

	Country	Country data	
-	2005	2012	group 2012
Economic and social context			
Population (millions)	0.23	0.26	1,300
Urban population (% of total)	63	62	80
GNI per capita, World Bank Atlas method (\$)			38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0
Adult literacy rate (% ages 15 and older)		97	
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	24.2	31.6	43.6
Mobile-cellular telephone subscriptions (per 100 people)	58.7	91.2	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	4.2	18.9	26.2
Households with a computer (%)	18.2	28.2	
Households with Internet access at home (%)	8.0a	20.2	
Usage	0.0	20.5	13.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	60.1		113.6
Individuals using the Internet (%)	32.4	58.0°	
Quality	32.4	30.0	15.4
Population covered by a mobile-cellular network (%)	75a	89	100
Fixed (wired)-broadband subscriptions (% of total Internet)	51.2	100.0	95.9
International Internet bandwidth (bit/s per Internet user)	1,784	20,432	85,990
Affordability	1,704	20,402	00,000
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	8.9
ICT goods imports (% of total goods imports)	4.6	3.3	10.8
ICT service exports (% of total service exports)	8.6	12.7	30.8
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	68.3	242.3	827.6

New Zealand

	Country	y data	High- income group
•	2005	2012	2012
Economic and social context			
Population (millions)	4	4	1,300
Urban population (% of total)	86	86	80
GNI per capita, World Bank Atlas method (\$)	25,150	36,900	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.0	1.2	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	106	107	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	2.5	2.7
Telecommunications investment (% of revenue)	6.1	24.1	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	41.8	42.2	43.6
Mobile-cellular telephone subscriptions (per 100 people)	85.4	110.4	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	7.8	27.8	26.2
Households with a computer (%)	67.8a	91.2	77.7
Households with Internet access at home (%)	62.1ª	87.4	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	29.5	73.6	113.6
Individuals using the Internet (%)	62.7a	89.5	75.4
Quality			
Population covered by a mobile-cellular network (%)	98	97	100
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	90.5	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	1,764	31,062	85,990
Fixed-telephone sub-basket (\$ a month)		53.4	25.2
Mobile-cellular sub-basket (\$ a month)		51.6	20.6
Fixed-broadband sub-basket (\$ a month)		59.2	29.2
Trade			
ICT goods exports (% of total goods exports)	1.7	1.1	8.9
ICT goods imports (% of total goods imports)	9.6	7.7	10.8
ICT service exports (% of total service exports)	12.5	18.6	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.78	0.67
Secure Internet servers (per million people)	489.9	1,093.8	827.6

Nicaragua

Latin America & Caribbean	Lower middle income

	01-		Lower middle- income
	Countr 2005	2012	group 2012
Economic and social context			
Population (millions)	5	6	2,507
Urban population (% of total)	56	58	39
GNI per capita, World Bank Atlas method (\$)	1,160	1,650	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.1	3.2	6.0
Adult literacy rate (% ages 15 and older)	78		. 71
Gross primary, secondary, tertiary school enrollment (%)			. 64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	:
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	С	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity	0.0		0.5
Telecommunications revenue (% of GDP)	2.9 24.0		. 2.5 . 20.5
Telecommunications investment (% of revenue)	24.0		
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	4.0	5.0	5.4
Mobile-cellular telephone subscriptions (per 100 people)	20.5	86.1	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.2	1.6	1.4
Households with a computer (%)	3.8	9.9	a 15.0
Households with Internet access at home (%)	0.1	7.4	la 12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			. 6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	2.6	13.5	i ^a 18.7
Quality			
Population covered by a mobile-cellular network (%)	70	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	45.0	100.0	
International Internet bandwidth (bit/s per Internet user) Affordability	43	24,725	8,076
Fixed-telephone sub-basket (\$ a month)		3.8	4.9
Mobile-cellular sub-basket (\$ a month)		27.8	10.5
Fixed-broadband sub-basket (\$ a month)		22.2	20.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	4.6
ICT goods imports (% of total goods imports)	6.1	4.1	7.2
ICT service exports (% of total service exports)		18.7	47.1
Applications			
Online service index (0–1, 1=highest presence)	0.37	0.31	0.32
Secure Internet servers (per million people)	2.0	8.4	4.4



Sub-Saharan Africa Low income

	Country data		Low- income group
	2005	2012	2012
Economic and social context			
Population (millions)	13	17	846
Urban population (% of total)	17	18	28
GNI per capita, World Bank Atlas method (\$)	250	390	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.7	5.2	5.9
Adult literacy rate (% ages 15 and older)	29		61
Gross primary, secondary, tertiary school enrollment (%)	26	38	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	М	М	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	4.6	5.0
Telecommunications investment (% of revenue)	56.5		
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.2	0.6	1.0
Mobile-cellular telephone subscriptions (per 100 people)	2.5	31.4	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	0.1a	1.8	a 4.2
Households with Internet access at home (%)	0.0a	1.4	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		18,471.9	70.1
Individuals using the Internet (%)	0.2a		
Quality			
Population covered by a mobile-cellular network (%)	15	75	
Fixed (wired)-broadband subscriptions (% of total Internet)	5.9	13.4	30.9
International Internet bandwidth (bit/s per Internet user)	1,028	3,499	9,141
Affordability	-,	-,	-,
Fixed-telephone sub-basket (\$ a month)		11.7	8.9
Mobile-cellular sub-basket (\$ a month)		16.6	
Fixed-broadband sub-basket (\$ a month)		59.6	
Trade		00.0	
ICT goods exports (% of total goods exports)	0.2	0.2	
ICT goods imports (% of total goods imports)	3.2	1.9	
ICT service exports (% of total service exports)	34.3	5.4	
Applications	54.5	5.4	
Online service index (0-1, 1=highest presence)	0.11	0.20	0.20
Secure Internet servers (per million people)	0.11	0.20	
Source internet servers (per minion people)	0.1	0.2	1.1

Nigeria

Sub-Saharan Africa l	ower m	iddle i	ncome
	Countr	Lo mic inc Country data	
	2005	2012	group 2012
Economic and social context	2003	2012	2012
Population (millions)	140	169	2,507
Urban population (% of total)	46	50	,
GNI per capita, <i>World Bank Atla</i> s method (\$)	630	1,440	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	6.6	6.9	,
Adult literacy rate (% ages 15 and older)	55	51	
Gross primary, secondary, tertiary school enrollment (%)	56		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	2.6	
Telecommunications investment (% of revenue)	0.4	75.5	20.5
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.9	0.2	5.4
Mobile-cellular telephone subscriptions (per 100 people)	13.3	66.8	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	1.4
Households with a computer (%)	4.0	11.4	a 15.0
Households with Internet access at home (%)	2.0a	9.1	a 12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.2	4.6	6.5
Domestic mobile traffic (minutes/subscription/month)	27.4	37.6	
Individuals using the Internet (%)	3.5	32.9	a 18.7
Quality			
Population covered by a mobile-cellular network (%)	58	96	86
Fixed (wired)-broadband subscriptions (% of total Internet)		44.6	58.2
International Internet bandwidth (bit/s per Internet user) Affordability	30	306	8,076
Fixed-telephone sub-basket (\$ a month)		9.5	4.9
Mobile-cellular sub-basket (\$ a month)		9.8	10.5
Fixed-broadband sub-basket (\$ a month)		39.0	20.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	4.6
ICT goods imports (% of total goods imports)	3.9	5.5	7.2
ICT service exports (% of total service exports)	1.6	4.4	47.1
Applications			
Online service index (0-1, 1=highest presence)	0.31	0.22	0.32
Secure Internet servers (per million people)	0.2	1.7	
W 2 P22P 27			

Northern Mariana Islands

	Countr	Country data i	
•	2005	2012	group 2012
Economic and social context			
Population (millions)	0.06	0.05	1,300
Urban population (% of total)	91	92	80
GNI per capita, World Bank Atlas method (\$)			38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	36.2	43.1	
Mobile-cellular telephone subscriptions (per 100 people)	31.0		122.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	26.2
Households with a computer (%)			77.7
Households with Internet access at home (%)	30.9		75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)			75.4
Quality			100
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.9
International Internet bandwidth (bit/s per Internet user) Affordability			85,990
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			
ICT goods exports (% of total goods exports)			8.9
ICT goods imports (% of total goods imports)			10.8
ICT service exports (% of total service exports)			30.8
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	83.6	37.0	827.6
,			

Norway

	Count	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	5	5	1,300
Urban population (% of total)	77	80	80
GNI per capita, World Bank Atlas method (\$)	62,760	98,780	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.1	0.8	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	99	98	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.6	1.1	2.7
Telecommunications investment (% of revenue)			17.6
Sector performance			
Access	45.6	28.0	43.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	102.8	116.7	
Fixed (wired)-broadband subscriptions (per 100 people)	21.4	36.3	
Households with a computer (%)	74.0	92.0	
Households with Internet access at home (%)	64.0	93.0	
Usage	04.0	93.0	15.5
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	119.3	174.7	113.6
Individuals using the Internet (%)	82.0	95.0	
Quality	02.0	33.0	13.4
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)	69.8	100.0	
International Internet bandwidth (bit/s per Internet user)	11,346	187,809	
Affordability	11,340	101,009	65,990
Fixed-telephone sub-basket (\$ a month)		38.0	25.2
Mobile-cellular sub-basket (\$ a month)		25.2	
Fixed-broadband sub-basket (\$ a month)		53.3	
Trade		55.5	23.2
ICT goods exports (% of total goods exports)	1.2	0.8	8.9
ICT goods imports (% of total goods imports)	8.8	7.1	
ICT service exports (% of total service exports)	24.4	29.1	30.8
Applications	24.4	23.1	30.0
Online service index (0–1, 1=highest presence)	0.89	0.86	0.67
Secure Internet servers (per million people)	308.9	1,741.9	
occare internet servers (her million heahle)	500.9	1,741.9	021.0

Oman

	Country data		High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	3	3	1,300
Urban population (% of total)	72	74	80
GNI per capita, World Bank Atlas method (\$)	10,780	19,450	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.1	5.7	1.0
Adult literacy rate (% ages 15 and older)	81	87	
Gross primary, secondary, tertiary school enrollment (%)	68	77	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	P	P	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	R B	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.4	2.7
Telecommunications investment (% of revenue)	102.5	10.8	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	10.5	9.2	43.6
Mobile-cellular telephone subscriptions (per 100 people)	52.9	159.3	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.5	2.1	26.2
Households with a computer (%)	37.2	62.7	77.7
Households with Internet access at home (%)	15.5a	41.9	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	18.1	17.0	
Domestic mobile traffic (minutes/subscription/month)	99.9	108.9	113.6
Individuals using the Internet (%)	6.7	60.0	75.4
Quality Population covered by a mobile-cellular network (%)	92	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	24.4	92.1	95.9
International Internet bandwidth (bit/s per Internet user)	2,960	8,948	
Affordability	,	-,-	,
Fixed-telephone sub-basket (\$ a month)		13.2	25.2
Mobile-cellular sub-basket (\$ a month)		8.7	20.6
Fixed-broadband sub-basket (\$ a month)		26.0	29.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	8.9
ICT goods imports (% of total goods imports)	4.4	3.0	10.8
ICT service exports (% of total service exports)	21.9	24.1	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.67	0.67
Secure Internet servers (per million people)	4.0	62.8	827.6

Pakistan

South Asia	Lower m	niddle i	ncome
		Low mide inco Country data	
	gro		group
Francis and cold contact	2005	2012	2012
Economic and social context Population (millions)	158	179	2,507
Urban population (% of total)	34	37	,
GNI per capita, World Bank Atlas method (\$)	710	1,260	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.0	3.1	
Adult literacy rate (% ages 15 and older)	50	55	
Gross primary, secondary, tertiary school enrollment (%)	41	45	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	А	ı
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.0	
Telecommunications investment (% of revenue)	61.0	39.7	20.5
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.3	3.2	
Mobile-cellular telephone subscriptions (per 100 people)	8.1	67.1	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.5	
Households with a computer (%)	8.1	12.5	
Households with Internet access at home (%)		8.3	a 12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	4.0	8.3	
Domestic mobile traffic (minutes/subscription/month)	40.9	135.6	
Individuals using the Internet (%)	6.3	10.0	a 18.7
Quality			
Population covered by a mobile-cellular network (%)	36	92	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.7	25.6	
International Internet bandwidth (bit/s per Internet user)	72	7,283	8,076
Affordability		0.5	
Fixed-telephone sub-basket (\$ a month)		3.5	
Mobile-cellular sub-basket (\$ a month)		3.5	
Fixed-broadband sub-basket (\$ a month)		14.5	20.6
Trade	0.5	0.0	
ICT goods exports (% of total goods exports)	0.5	0.2	
ICT goods imports (% of total goods imports)	8.7	4.4	
ICT service exports (% of total service exports) Applications	17.9	20.1	47.1
Online service index (0-1, 1=highest presence)	0.32	0.37	0.32
Secure Internet servers (per million people)	0.3	1.3	4.4

Palau

East Asia & Pacific	- pp	-			per middle inco	
	Countr	v data	Upper middle- income			
	2005	2012	group 2012			
Economic and social context			2012			
Population (millions)	0.02	0.02	2,39			
Urban population (% of total)	78	85	6:			
GNI per capita, World Bank Atlas method (\$)	8,910	9,860	6,969			
GDP growth, 2000–05 and 2005–12 (avg. annual %)	3.2	-1.9	6.2			
Adult literacy rate (% ages 15 and older)			94			
Gross primary, secondary, tertiary school enrollment (%)			70			
Sector structure						
Separate telecommunications/ICT regulator						
Status of main fixed-line telephone operator	Public	Public				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)						
Mobile telephone service						
Internet service						
Foreign ownership (not allowed, restricted, allowed)						
Reg. treatment of VoIP (banned, closed, no framework, allowed)					
Sector efficiency and capacity			2			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.5 18.2			
Telecommunications revenue (% of GDP)						
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance			18.:			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access		35.3 82.6	18.:			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	40.1 30.4 0.5	35.3	19. 19. 92.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	40.1 30.4	35.3 82.6 4.4	19. 92. 10. 40.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	40.1 30.4 0.5	35.3 82.6 4.4	19. 92. 10. 40.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	40.1 30.4 0.5 18.5	35.3 82.6 4.4 19.0	19. 92. 10. 40. 36.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	40.1 30.4 0.5 18.5 	35.3 82.6 4.4 19.0	19.4 92.4 10.4 40.4 36.4			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	40.1 30.4 0.5 18.5 	35.3 82.6 4.4 19.0	19 19 92 10 40 36 1 284			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	40.1 30.4 0.5 18.5 	35.3 82.6 4.4 19.0	19 19 92 10 40 36 1 284			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	40.1 30.4 0.5 18.5 50.7 27.0	35.3 82.6 4.4 19.0 23.8	19. 92. 10. 40. 36. 1. 284. 41.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	40.1 30.4 0.5 18.5 50.7 27.0	35.3 82.6 4.4 19.0 23.8 	19. 92. 10. 40. 36. 1. 284. 41.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	40.1 30.4 0.5 18.5 50.7 27.0	35.3 82.6 4.4 19.0 23.8 98 79.2	19 19 92 10 40 36 1 284 41 9 95			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	40.1 30.4 0.5 18.5 50.7 27.0	35.3 82.6 4.4 19.0 23.8 	19 19 92 10 40 36 1 284 41 9 95			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	40.1 30.4 0.5 18.5 50.7 27.0 30 7.6 1,123	35.3 82.6 4.4 19.0 23.8 	19 92 10 40 36 1 284 41 9. 95 14,586			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	40.1 30.4 0.5 18.5 50.7 27.0	35.3 82.6 4.4 19.0 23.8 98 79.2	19 92 10 40 36 1 284 41 9. 95 14,586			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	40.1 30.4 0.5 18.5 50.7 27.0 30 7.6 1,123	35.3 82.6 4.4 19.0 23.8 	19 92 10 40 36 1 284 41 9 14,58 9 14,58			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	40.1 30.4 0.5 18.5 50.7 27.0 30 7.6 1,123	35.3 82.6 4.4 19.0 23.8 98 79.2	19 92 10 40 36 1 284 41 9 14,58 9 14,58			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	40.1 30.4 0.5 18.5 50.7 27.0 30 7.6 1,123	35.3 82.6 4.4 19.0 23.8 98 79.2	19 92 10 40 36 1 284 41 95 14,586 9 14 17			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	40.1 30.4 0.5 18.5 50.7 27.0 30 7.6 1,123	35.3 82.6 4.4 19.0 23.8 98 79.2	19 92 10 40 36 1 284 41 9 95 14.581 17 17			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	40.1 30.4 0.5 18.5 50.7 27.0 30 7.6 1,123	35.3 82.6 4.4 19.0 23.8 	19 19 10 40 36 284 41 9 95 14.580 9 14 17 17			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	40.1 30.4 0.5 18.5 50.7 27.0 30 7.6 1,123	35.3 82.6 4.4 19.0 23.8 98 79.2 	19.4 92.4 10.8 40.4 36.3 1.3 284.4 41.6 9.9 5.8 14,580 17.8 17.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports)	40.1 30.4 0.5 18.5 50.7 27.0 30 7.6 1,123	35.3 82.6 4.4 19.0 23.8 98 79.2 	19.4 92.4 10.8 40.0 36.3 1.3 284.4 41.0 95.9 14,580 17.8 17.1 14.2 29.3			

Panama

Latin America & Caribbean	Jpper m	iddle i	ncome
	Countr	y data	Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	3	4	2,391
Urban population (% of total)	71	76	
GNI per capita, World Bank Atlas method (\$)	4,460	8,510	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.4	8.7	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	92 76	94 74	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	l) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	2.5	
Telecommunications investment (% of revenue)	••		18.2
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	14.0	16.8	19.4
Mobile-cellular telephone subscriptions (per 100 people)	52.0	178.0	
Fixed (wired)-broadband subscriptions (per 100 people)	0.5	7.8	
Households with a computer (%)	14.6a	38.3	
Households with Internet access at home (%)	8.1	31.6	36.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		6.7	1.3
Domestic mobile traffic (minutes/subscription/month)	61.3	79.2	284.4
Individuals using the Internet (%)	11.5	45.2	a 41.6
Quality			
Population covered by a mobile-cellular network (%)	75	96	
Fixed (wired)-broadband subscriptions (% of total Internet)	21.3	98.4	
International Internet bandwidth (bit/s per Internet user)	2,396	30,838	14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)		9.5	
Mobile-cellular sub-basket (\$ a month)		12.6	
Fixed-broadband sub-basket (\$ a month) Trade		14.0	17.8
ICT goods exports (% of total goods exports)	0.1	7.9	17.6
ICT goods exports (% of total goods exports)	9.1	8.1	
ICT service exports (% of total service exports)	10.6	8.1	
Applications	10.0	0.1	20.1
Online service index (0-1, 1=highest presence)	0.47	0.46	0.42
Secure Internet servers (per million people)	54.1	89.8	
/Fr /L		2210	_5.0

Papua New Guinea

East Asia & Pacific Lo	ower m	iddle i	ncome
	Countr		Lower middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	6	7	2,507
Urban population (% of total)	13	13	39
GNI per capita, World Bank Atlas method (\$)	680	1,790	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.6	6.9	6.0
Adult literacy rate (% ages 15 and older)	57	62	71
Gross primary, secondary, tertiary school enrollment (%)			64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	М	
Internet service	Р	Р	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
			20 5
Telecommunications investment (% of revenue) Sector performance			20.5
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	1.0	1.9	5.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	1.0 1.2	1.9 37.8	5. ² 83.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.0 1.2 0.0	1.9 37.8 0.1	5. ⁴ 83.1 1. ⁴
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.0 1.2 0.0 2.0 ^a	1.9 37.8 0.1 3.2	5.4 83.1 1.4 15.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	1.0 1.2 0.0	1.9 37.8 0.1	5.4 83.1 1.4 a 15.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.0 1.2 0.0 2.0 ^a	1.9 37.8 0.1 3.2	5.4 83.1 1.4 15.0 12.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.0 1.2 0.0 2.0 ^a 1.1 ^a	1.9 37.8 0.1 3.2 2.7	5.4 83.1 1.4 15.0 12.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.0 1.2 0.0 2.0 ^a 1.1 ^a	1.9 37.8 0.1 3.2 2.7	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.0 1.2 0.0 2.0 ^a 1.1 ^a	1.9 37.8 0.1 3.2 2.7	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.0 1.2 0.0 2.0 ^a 1.1 ^a	1.9 37.8 0.1 3.2 2.7	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.0 1.2 0.0 2.0 ^a 1.1 ^a 	1.9 37.8 0.1 3.2' 2.7'	5.4 83.1 1.4 15.0 12.4 6.5 18.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.0 1.2 0.0 2.0 ^a 1.1 ^a 	1.9 37.8 0.1 3.2' 2.7' 	5.4 83.1 1.4 15.0 12.4 6.5 18.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7	1.9 37.8 0.1 3.2: 2.7' 2.3' 	5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7	1.9 37.8 0.1 3.2; 2.7 2.3 4,849	5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7	1.9 37.8 0.1 3.2 2.7 2.3 4,849 11.5 30.4	5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7	1.9 37.8 0.1 3.2; 2.7 2.3 4,849	5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7	1.9 37.8 0.1 3.2 ² 2.7 ² 2.3 ³ 4,849 11.5 30.4 185.6	5.4 83.1 1.4 15.0 6.5 6.5 8.2 8,076 4.9 10.5 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7	1.9 37.8 0.1 3.2 ² 2.7 ² 2.3 ³ 4,849 11.5 30.4 185.6	5.4 83.1 1.2 8.6 12.4 6.5 18.7 8.0 9.0 10.5 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7 57	1.9 37.8 0.11 3.2:2.7 2.3; 4,849 11.5 30.4 185.6	5.4 83.1 1.4 15.6 12.4 6.5 18.7 8.6 58.2 8,076 4.9 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wsage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7	1.9 37.8 0.1 3.2 ² 2.7 ² 2.3 ³ 4,849 11.5 30.4 185.6	5.4 83.1 1.4 15.6 12.4 6.5 18.7 8.6 58.2 8,076 4.9 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7 57	1.9 37.8 0.1 3.2 2.7 2.3 4,849 11.5 30.4 185.6 0.0 2.2 49.3	5.4 83.1 1.4 15.0 6.5 12.4 6.5 8,076 4.9 10.5 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wsage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.0 1.2 0.0 2.0 ^a 1.1 ^a 1.7 57	1.9 37.8 0.11 3.2:2.7 2.3; 4,849 11.5 30.4 185.6	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1

Paraguay

Latin America & Caribbo	ean
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Lower middle income

			Lower middle- income
	Countr		group
	2005	2012	2012
Economic and social context		_	
Population (millions)	6	7	_,
Urban population (% of total)	58	62	
GNI per capita, World Bank Atlas method (\$)	1,210	3,400	,
GDP growth, 2000–05 and 2005–12 (avg. annual %)	2.2	4.3	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	95 72	94 74	
Sector structure Separate telecommunications/ICT regulator	Yes	Yes	
. , ,	Public	Public	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)		C	
International gateway(s)	 C	0	
Mobile telephone service Internet service	C	0	
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Tog. treatment of von (bullieu, closed, no numework, unowed)			
Sector efficiency and capacity Telecommunications revenue (% of GDP)	3.5	3.7	2.5
Telecommunications revenue (% of revenue)	3.3	J.1	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	5.4	6.1	5.4
Mobile-cellular telephone subscriptions (per 100 people)	32.0	101.6	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	1.2	1.4
Households with a computer (%)	8.7	24.3	a 15.0
Households with Internet access at home (%)	1.7	22.8	a 12.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		7.2	6.5
Domestic mobile traffic (minutes/subscription/month)		81.6	
Individuals using the Internet (%)	7.9	27.1	a 18.7
Quality			
Population covered by a mobile-cellular network (%)		94	
Fixed (wired)-broadband subscriptions (% of total Internet)	9.3	98.3	
International Internet bandwidth (bit/s per Internet user)	737	11,585	8,076
Affordability			
Fixed-telephone sub-basket (\$ a month)		8.8	
Mobile-cellular sub-basket (\$ a month)		8.8	
Fixed-broadband sub-basket (\$ a month)		21.8	20.6
Trade	0.6		
ICT goods exports (% of total goods exports)	0.2	0.1	
ICT goods imports (% of total goods imports)	17.4	19.1	
ICT service exports (% of total service exports)	8.7	1.9	47.1
Applications	0.4-		0.00
Online service index (0-1, 1=highest presence)	0.47	0.46	
Secure Internet servers (per million people)	1.4	15.4	4.4

Peru

Latin America & Caribbean	Upper m	iddle i	ncome
			Upper middle-
	Countr	y data	income
	2005	2012	2012
Economic and social context			
Population (millions)	28	30	2,391
Urban population (% of total)	75	78	61
GNI per capita, World Bank Atlas method (\$)	2,700	6,060	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.3	6.9	6.2
Adult literacy rate (% ages 15 and older)	88		94
Gross primary, secondary, tertiary school enrollment (%)	81	82	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	А	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.7	2.5
Telecommunications investment (% of revenue)	17.9	16.7	18.2
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	8.7	11.4	
Mobile-cellular telephone subscriptions (per 100 people)	20.1	98.0	
Fixed (wired)-broadband subscriptions (per 100 people)	1.3	4.7	10.8
Households with a computer (%)	8.2	29.9	
Households with Internet access at home (%) Usage	3.5	20.2	36.3
Int'l. voice traffic, total (minutes/subscription/month)	13.7	9.5	1.3
Domestic mobile traffic (minutes/subscription/month)	40.5	58.6	
Individuals using the Internet (%)	17.1a	38.2	
Quality			
Population covered by a mobile-cellular network (%)	92	97	99
Fixed (wired)-broadband subscriptions (% of total Internet)	42.3	98.2	95.5
International Internet bandwidth (bit/s per Internet user)	2,109	13,094	
Affordability		10.0	9.4
Fixed-telephone sub-basket (\$ a month)		12.3	
Mobile-cellular sub-basket (\$ a month)		12.8	
Fixed-broadband sub-basket (\$ a month) Trade		18.0	17.8
	0.2	0.1	17.6
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)	8.4	7.8	
ICT service exports (% of total service exports)	13.9	15.1	29.1
Applications	0.50	0.50	0.40
Online service index (0-1, 1=highest presence)	0.53	0.52	
Secure Internet servers (per million people)	5.2	21.4	18.5

Philippines

East Asia & Pacific	Lower m	ower middle income		
	Countr	v data	Lower middle- income	
	2005	2012	group 2012	
Francisco and control control	2005	2012	2012	
Economic and social context Population (millions)	86	97	2,507	
Urban population (% of total)	48	49	,	
GNI per capita, World Bank Atlas method (\$)	1,210	2,500		
GDP growth, 2000–05 and 2005–12 (avg. annual %)	4.7	4.8		
Adult literacy rate (% ages 15 and older)	93	95		
Gross primary, secondary, tertiary school enrollment (%)	78	76		
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Private	Private		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)	R	R		
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) A	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	4.2	2.4	2.5	
Telecommunications investment (% of revenue)	24.4	24.0	20.5	
Sector performance				
Access				
Fixed-telephone subscriptions (per 100 people)	3.9	4.1		
Mobile-cellular telephone subscriptions (per 100 people)	40.5	106.5		
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	2.2		
Households with a computer (%)	6.6a	16.9		
Households with Internet access at home (%) Usage	4.3a	18.9	a 12.4	
Int'l. voice traffic, total (minutes/subscription/month)			6.5	
Domestic mobile traffic (minutes/subscription/month)				
Individuals using the Internet (%)	5.4a	36.2	a 18.7	
Quality	***			
Population covered by a mobile-cellular network (%)	99	99	a 86	
Fixed (wired)-broadband subscriptions (% of total Internet)	8.5	34.5		
International Internet bandwidth (bit/s per Internet user)	694	14,269		
Affordability	001	11,200	0,010	
Fixed-telephone sub-basket (\$ a month)		15.0	4.9	
Mobile-cellular sub-basket (\$ a month)		10.5		
Fixed-broadband sub-basket (\$ a month)		22.9		
Trade		22.0	20.0	
ICT goods exports (% of total goods exports)	47.7	29.5	4.6	
ICT goods imports (% of total goods imports)	45.8	24.8		
ICT service exports (% of total service exports)	15.9	67.3		
Applications	15.5	01.3	41.1	
Online service index (0-1, 1=highest presence)	0.50	0.50	0.32	
	2.4	8.1	4.4	
Secure Internet servers (per million people)	2.4	0.1	4.4	

Poland

	Country data		High- income
-	2005	2012	group 2012
Economic and social context			
Population (millions)	38	39	1,300
Urban population (% of total)	61	61	80
GNI per capita, World Bank Atlas method (\$)	7,270	12,660	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.2	4.2	1.0
Adult literacy rate (% ages 15 and older)	100	100	
Gross primary, secondary, tertiary school enrollment (%)	87	90	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.7	2.7
Telecommunications investment (% of revenue)	16.1	14.9	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	31.0	15.6	43.6
Mobile-cellular telephone subscriptions (per 100 people)	76.3	140.3	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	2.5	15.5	26.2
Households with a computer (%)	40.0	73.0	77.7
Households with Internet access at home (%)	30.4	70.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	46.7	105.9	113.6
Individuals using the Internet (%)	38.8	65.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	35.2	99.1	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	1,442	70,620	85,990
Fixed-telephone sub-basket (\$ a month)		21.6	25.2
Mobile-cellular sub-basket (\$ a month)		11.3	20.6
Fixed-broadband sub-basket (\$ a month)		19.9	29.2
Trade			
ICT goods exports (% of total goods exports)	4.0	7.0	8.9
ICT goods imports (% of total goods imports)	7.9	8.2	10.8
ICT service exports (% of total service exports)	19.6	33.7	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.61	0.54	0.67
Secure Internet servers (per million people)	22.0	312.2	827.6

Portugal

	Country data		High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	11	11	1,300
Urban population (% of total)	58	62	80
GNI per capita, World Bank Atlas method (\$)	18,140	20,640	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.7	-0.2	1.0
Adult literacy rate (% ages 15 and older)		95	
Gross primary, secondary, tertiary school enrollment (%)	89	97	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	А	
Sector efficiency and capacity			_
Telecommunications revenue (% of GDP)	4.8	4.0	2.7
Telecommunications investment (% of revenue)	9.9	11.6	17.6
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.3	43.0	
Mobile-cellular telephone subscriptions (per 100 people)	108.9	116.1	
Fixed (wired)-broadband subscriptions (per 100 people)	11.1	22.5	
Households with a computer (%)	42.5	66.0	77.7
Households with Internet access at home (%)	31.5	61.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	15.7		
Domestic mobile traffic (minutes/subscription/month)	80.6	135.8	113.6
Individuals using the Internet (%)	35.0	64.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	81.1	99.0	95.9
International Internet bandwidth (bit/s per Internet user)	2,378	195,537	85,990
Affordability			
Fixed-telephone sub-basket (\$ a month)		25.0	25.2
Mobile-cellular sub-basket (\$ a month)		25.3	20.6
Fixed-broadband sub-basket (\$ a month)		29.2	29.2
Trade			
ICT goods exports (% of total goods exports)	7.8	3.4	8.9
ICT goods imports (% of total goods imports)	8.4	5.1	10.8
ICT service exports (% of total service exports)	16.1	17.8	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.65	0.65	0.67
Secure Internet servers (per million people)	57.7	216.0	827.6
,			

Puerto Rico

	Country data		High- income group
•	2005	2012	2012
Economic and social context			
Population (millions)	4	4	1,300
Urban population (% of total)	98	99	80
GNI per capita, World Bank Atlas method (\$)	14,120	18,000	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.5	-1.1	1.0
Adult literacy rate (% ages 15 and older)	91	90	
Gross primary, secondary, tertiary school enrollment (%)		92	93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	27.6a	19.1	43.6
Mobile-cellular telephone subscriptions (per 100 people)	53.0	82.6	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	3.1	15.5	26.2
Households with a computer (%)		60.0a	77.7
Households with Internet access at home (%)		60.7ª	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)	23.4a	51.4ª	75.4
Quality			
Population covered by a mobile-cellular network (%)	62	68	100
Fixed (wired)-broadband subscriptions (% of total Internet)		99.9	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	2,272	136,866	85,990
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			
ICT goods exports (% of total goods exports)			8.9
ICT goods imports (% of total goods imports)			10.8
ICT service exports (% of total service exports)			30.8
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	31.9	106.5	827.6

Qatar

	Country	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.82	2	1,300
Urban population (% of total)	97	99	80
GNI per capita, World Bank Atlas method (\$)	40,320	74,600	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	8.7	14.9	1.0
Adult literacy rate (% ages 15 and older)	89	96	
Gross primary, secondary, tertiary school enrollment (%)	79		93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	M	P	
Internet service	M	Р	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	1.1	2.7
Telecommunications investment (% of revenue)	26.3	14.2	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	25.0	19.2	43.6
Mobile-cellular telephone subscriptions (per 100 people)	87.3	126.9	
Fixed (wired)-broadband subscriptions (per 100 people)	3.1	10.5	
Households with a computer (%)	65.7a	91.5	
Households with Internet access at home (%)	31.5a	88.1	
Usage	01.0	00.1	
Int'l. voice traffic, total (minutes/subscription/month)	79.1		
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)	24.7	88.1	75.4
Quality		00.1	
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	48.2	97.8	
International Internet bandwidth (bit/s per Internet user)	3,816	33,212	
Affordability	0,010	00,212	00,000
Fixed-telephone sub-basket (\$ a month)		9.1	25.2
Mobile-cellular sub-basket (\$ a month)		18.7	20.6
Fixed-broadband sub-basket (\$ a month)		54.9	
Trade		0	20.2
ICT goods exports (% of total goods exports)	0.0	0.0	8.9
ICT goods imports (% of total goods imports)	4.8	4.3	
ICT service exports (% of total service exports)			30.8
Applications			30.0
Online service index (0-1, 1=highest presence)	0.53	0.74	0.67
Secure Internet servers (per million people)	20.7	161.8	
(por minor poopro)		101.0	020

Romania

Europe & Central Asia	Upper m	niddle i	ncome
	Countr	v data	Upper middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	21	20	2,391
Urban population (% of total)	53	53	61
GNI per capita, World Bank Atlas method (\$)	3,920	8,560	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.0	1.8	6.2
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, tertiary school enrollment (%)	75	81	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	1.8	2.
Telecommunications investment (% of revenue)	23.0	19.0	18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people)	19.8	21.4	19.4
Mobile-cellular telephone subscriptions (per 100 people)	60.4	105.0	
Fixed (wired)-broadband subscriptions (per 100 people)	1.7	16.2	
Households with a computer (%)	24.7	57.0	
Households with Internet access at home (%)	9.8a	54.0	
Usage	3.0	34.0	30.
Int'l. voice traffic, total (minutes/subscription/month)	10.2	11.6	1.3
Domestic mobile traffic (minutes/subscription/month)	57.2	224.7	
Individuals using the Internet (%)	21.5ª	50.0	
Quality	21.0	00.0	
Population covered by a mobile-cellular network (%)	99	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	47.7	100.0	95.
International Internet bandwidth (bit/s per Internet user)	2,835	114,917	
Affordability	2,000	11.,01.	1,,00
Fixed-telephone sub-basket (\$ a month)		13.0	9.4
Mobile-cellular sub-basket (\$ a month)		25.7	
Fixed-broadband sub-basket (\$ a month)		9.5	
Trade		0.0	
ICT goods exports (% of total goods exports)	2.2	5.0	17.0
ICT goods imports (% of total goods imports)	6.7	6.8	
ICT service exports (% of total service exports)	19.2	37.3	
Applications	10.2	01.0	20.
Online service index (0-1, 1=highest presence)	0.54	0.52	0.42
Secure Internet servers (per million people)	5.4	68.7	
managed that million people)	0.1	00.1	10.

Russian Federation

	Country	Country data		Country data		Country data	
-	2005	2012	group 2012				
Economic and social context							
Population (millions)	143	144	1,300				
Urban population (% of total)	73	74	80				
GNI per capita, World Bank Atlas method (\$)	4,460	12,700	38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.2	2.9	1.0				
Adult literacy rate (% ages 15 and older)	99	100					
Gross primary, secondary, tertiary school enrollment (%)	82	84	93				
Sector structure							
Separate telecommunications/ICT regulator	No	No					
Status of main fixed-line telephone operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)							
Mobile telephone service	С	С					
Internet service							
Foreign ownership (not allowed, restricted, allowed)							
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	2.9	2.3	2.7				
Telecommunications investment (% of revenue)	32.1	21.3	17.6				
Sector performance Access	07.0	00.4	40.0				
Fixed-telephone subscriptions (per 100 people)	27.9	30.1	43.6				
Mobile-cellular telephone subscriptions (per 100 people)	83.4	182.9	122.9				
Fixed (wired)-broadband subscriptions (per 100 people)	1.1	14.5	26.2				
Households with a computer (%)	25.0a	60.6					
Households with Internet access at home (%)	17.0 ^a	51.2	75.5				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)	45.0	115.2	113.6				
Individuals using the Internet (%) Quality	15.2	53.3	75.4				
Population covered by a mobile-cellular network (%)	95		100				
Fixed (wired)-broadband subscriptions (% of total Internet)	8.3	98.1	95.9				
International Internet bandwidth (bit/s per Internet user)	655	32,838	85,990				
Affordability			05.0				
Fixed-telephone sub-basket (\$ a month)		4.1	25.2				
Mobile-cellular sub-basket (\$ a month)		11.1	20.6				
Fixed-broadband sub-basket (\$ a month)		10.2	29.2				
Trade							
ICT goods exports (% of total goods exports)	0.2	0.3	8.9				
ICT goods imports (% of total goods imports)	7.8	7.5	10.8				
ICT service exports (% of total service exports)	23.7	31.9	30.8				
Applications	0.54	0.00	0.67				
Online service index (0-1, 1=highest presence)	0.51	0.66					
Secure Internet servers (per million people)	2.4	51.9	827.6				

Rwanda

Sub-Saharan Africa Low income

	Countr	Country data		Country data		Country data		Country data	Low- income group
-	2005	2012	2012						
Economic and social context									
Population (millions)	9	11	846						
Urban population (% of total)	18	19	28						
GNI per capita, World Bank Atlas method (\$)	260	600	590						
GDP growth, 2000-05 and 2005-12 (avg. annual %)	7.5	8.1	5.9						
Adult literacy rate (% ages 15 and older)	65	66	61						
Gross primary, secondary, tertiary school enrollment (%)	55	67	60						
Sector structure									
Separate telecommunications/ICT regulator	Yes	Yes							
Status of main fixed-line telephone operator	Mixed	Mixed							
Level of competition (competition, partial comp., monopoly)									
International gateway(s)		P							
Mobile telephone service	С	С							
Internet service	С	С							
Foreign ownership (not allowed, restricted, allowed)		Α							
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А							
Sector efficiency and capacity									
Telecommunications revenue (% of GDP)	2.7	2.8	5.0						
Telecommunications investment (% of revenue)	22.7	40.1							
Sector performance									
Access	0.0	0.4	4.0						
Fixed-telephone subscriptions (per 100 people)	0.3	0.4							
Mobile-cellular telephone subscriptions (per 100 people)	2.4	49.7							
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0							
Households with a computer (%)	0.2	2.4							
Households with Internet access at home (%)	0.1	2.4	a 3.4						
Usage	10.0	2.2							
Int'l. voice traffic, total (minutes/subscription/month)	12.8	3.3							
Domestic mobile traffic (minutes/subscription/month)	11.8	48.9							
Individuals using the Internet (%) Quality	0.6a	8.0	a 6.2						
Population covered by a mobile-cellular network (%)	75	98							
Fixed (wired)-broadband subscriptions (% of total Internet)	40.0	69.6	30.9						
International Internet bandwidth (bit/s per Internet user)	1,030	6,585	9,141						
Affordability									
Fixed-telephone sub-basket (\$ a month)		9.0	8.9						
Mobile-cellular sub-basket (\$ a month)		14.7	11.9						
Fixed-broadband sub-basket (\$ a month)		111.7	46.9						
Trade									
ICT goods exports (% of total goods exports)	1.2	0.2							
ICT goods imports (% of total goods imports)	8.4	7.8							
ICT service exports (% of total service exports)	8.4	3.8							
Applications									
Online service index (0-1, 1=highest presence)	0.29	0.34	0.20						
Secure Internet servers (per million people)		2.5							
,									

Samoa

East Asia & Pacific	Lower m	niddle i	ncome
			Lower middle-
	Countr	y data	income
	2005	2012	2012
Economic and social context			
Population (millions)	0.18	0.19	2,507
Urban population (% of total)	21	20	39
GNI per capita, World Bank Atlas method (\$)	2,100	3,260	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.9	0.7	6.0
Adult literacy rate (% ages 15 and older)	99	99	71
Gross primary, secondary, tertiary school enrollment (%)			64
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allower	d) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0		2.5
Telecommunications investment (% of revenue)			00.5
Sector performance Access Fixed-telephone subscriptions (per 100 people)	10.8		5.4
Mobile-cellular telephone subscriptions (per 100 people)	13.3		83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.1	
Households with a computer (%)			45.0
Households with Internet access at home (%)			10
Usage	-		
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	3.4	12.9	a 18.7
Quality			
Population covered by a mobile-cellular network (%)			86
Fixed (wired)-broadband subscriptions (% of total Internet)			F0.
International Internet bandwidth (bit/s per Internet user)	1,492	5,531	
Affordability	-,	-,	-,
Fixed-telephone sub-basket (\$ a month)		12.7	4.9
Mobile-cellular sub-basket (\$ a month)		18.1	
Fixed-broadband sub-basket (\$ a month)		42.7	
Trade			2010
ICT goods exports (% of total goods exports)	0.1	0.1	4.6
ICT goods imports (% of total goods imports)	2.0	2.7	
ICT service exports (% of total service exports)	10.1	7.8	
Applications	10.1	1.0	71.3
Online service index (0-1, 1=highest presence)	0.38	0.28	0.32
Secure Internet servers (per million people)	5.6	26.3	
Courtcomoc contono (por million people)	5.0	20.0	7.7

San Marino

	Count	ry data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.03	0.03	1,300
Urban population (% of total)	94	94	80
GNI per capita, World Bank Atlas method (\$)	41,080	51,470	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.2		1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)		86	93
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4		2.7
Telecommunications investment (% of revenue)	50.0		17.6
Sector performance			
Access	70.0	59.8	43.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	57.6	115.2	
Fixed (wired)-broadband subscriptions (per 100 people)	4.1	31.7	26.2
Households with a computer (%)	7.1	51.7	77.7
Households with Internet access at home (%)			75.5
Usage	-	-	
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)	50.3	50.9	a 75.4
Quality			
Population covered by a mobile-cellular network (%)		98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	22.2	75.4	95.9
International Internet bandwidth (bit/s per Internet user)	10,358	628,959	85,990
Affordability Fixed-telephone sub-basket (\$ a month)		25.6	25.2
Mobile-cellular sub-basket (\$ a month)		23.8	
Fixed-broadband sub-basket (\$ a month)		22.2	
Trade	••	22.2	23.2
ICT goods exports (% of total goods exports)			8.9
ICT goods imports (% of total goods imports)			10.8
ICT service exports (% of total service exports)			30.8
Applications			0
Online service index (0-1, 1=highest presence)	0.00	0.29	0.67
Secure Internet servers (per million people)	369.4	1,451.6	827.6

São Tomé and Príncipe

Sub-Saharan Africa L	ower m	iddle i	ncome
	Countr	v data	Lower middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.15	0.19	2,507
Urban population (% of total)	58	63	39
GNI per capita, World Bank Atlas method (\$)	740	1,310	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.1	4.9	6.0
Adult literacy rate (% ages 15 and older)	85	70	71
Gross primary, secondary, tertiary school enrollment (%)	65	74	64
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service		М	
Internet service		М	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Talanamaniniantiana varranta (0/ of CDD)	9.1	5.8	2.5
Telecommunications revenue (% of GDP)	3.1	5.0	2.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	14.9	51.2	20.5
Telecommunications investment (% of revenue) Sector performance Access	14.9	51.2	20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	14.9	51.2	20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	4.6 7.7	4.3 65.0	5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	4.6 7.7 0.0	4.3 65.0 0.4	5.4 83.1 1.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	4.6 7.7 0.0	4.3 65.0 0.4	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	4.6 7.7 0.0	4.3 65.0 0.4	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	4.6 7.7 0.0	4.3 65.0 0.4	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	4.6 7.7 0.0 	4.3 65.0 0.4 	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	4.6 7.7 0.0 	4.3 65.0 0.4 	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	4.6 7.7 0.0 33.2 4.6	51.2 4.3 65.0 0.4 7.4 25.5	5.4 83.1 1.4 15.0 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	4.6 7.7 0.0 33.2 4.6 13.8 ^a	51.2 4.3 65.0 0.4 7.4 25.5 21.6	5.4 83.1 1.4 15.0 12.4 6.5 18.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	4.6 7.7 0.0 33.2 4.6 13.8°	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7	5.4 83.1 1.4 15.0 12.4 6.5 18.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	4.6 7.7 0.0 33.2 4.6 13.8° 8 0.0	51.2 4.3 65.0 0.4 7.4 25.5 21.6	5.4 83.1 1.4 15.0 12.4 6.5 18.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	4.6 7.7 0.0 33.2 4.6 13.8° 8 0.0	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7	5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	14.9 4.6 7.7 0.0 33.2 4.6 13.8 ^a 8 0.0 94	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7 7,689	20.5 5.2 83.1 1.2 15.0 12.2 6.5 18.7 86 58.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	14.9 4.6 7.7 0.0 33.2 4.6 13.8a 8 0.0 94	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7 7,689	20.5 83.1 1.4 15.0 12.4 6.5 8.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	14.9 4.6 7.7 0.0 33.2 4.6 13.8a 8 0.0 94	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7 7,689 8.6 13.2	20.5 83.1 1.4 15.0 12.4 6.5 8.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	14.9 4.6 7.7 0.0 33.2 4.6 13.8a 8 0.0 94	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7 7,689 8.6 13.2	20.5 83.1 1.4 15.0 12.4 6.5 8.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	33.2 4.6 13.8 ^a 8 0.0 94	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7 7,689 8.6 13.2 116.8	20.5 83.1 1.2 15.0 12.2 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	14.9 4.6 7.7 0.0 33.2 4.6 13.8 ^a 8 0.0 94	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7 7,689 8.6 13.2 116.8	20.5 5.4 83.1 1.4 15.0 12.4 6.5 8.0 7.2 10.5 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	14.9 4.6 7.7 0.0 33.2 4.6 13.8 8 0.0 94 0.0 3.4	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7 7,689 8.6 13.2 116.8 0.2 3.2	20.5 5.4 83.1 1.4 15.0 12.4 6.5 8.0 7.2 10.5 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	14.9 4.6 7.7 0.0 33.2 4.6 13.8 8 0.0 94 0.0 3.4	51.2 4.3 65.0 0.4 7.4 25.5 21.6 70 88.7 7,689 8.6 13.2 116.8 0.2 3.2	20.5 5.4 83.1 1.4 15.0 12.4 6.5 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2

Saudi Arabia

	Countr	v data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	25	28	1,300
Urban population (% of total)	81	82	80
GNI per capita, World Bank Atlas method (\$)	12,460	24,310	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.2	6.1	1.0
Adult literacy rate (% ages 15 and older)	83	87	
Gross primary, secondary, tertiary school enrollment (%)	75	92	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р		
Mobile telephone service	Р	P	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.7	2.7
Telecommunications investment (% of revenue)	0.0	0.0	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	15.6	17.0	43.6
Mobile-cellular telephone subscriptions (per 100 people)	57.4	187.4	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.3	6.9	26.2
Households with a computer (%)	30.0	67.7ª	77.7
Households with Internet access at home (%)	20.0	66.6ª	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		29.3	
Domestic mobile traffic (minutes/subscription/month)	15.6	102.0	113.6
Individuals using the Internet (%)	12.7	54.0a	75.4
Quality	0.0	00	400
Population covered by a mobile-cellular network (%)	96	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	5.4	100.0	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	383	36,396	85,990
Fixed-telephone sub-basket (\$ a month)		13.2	25.2
Mobile-cellular sub-basket (\$ a month)		14.1	20.6
Fixed-broadband sub-basket (\$ a month)		39.7	29.2
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	8.9
ICT goods imports (% of total goods imports)	6.5	8.0	10.8
ICT service exports (% of total service exports)	41.5	3.6	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.80	0.67
Secure Internet servers (per million people)	3.1	34.2	827.6

Senegal

Sub-Saharan Africa L	ower m	iddle i	ncome
			Lower middle- income
	Country		group
Francis and costs contact	2005	2012	2012
Economic and social context Population (millions)	11	14	2.507
Urban population (% of total)	41	43	,
GNI per capita, World Bank Atlas method (\$)	770	1,030	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	4.6	3.4	,
Adult literacy rate (% ages 15 and older)	42	50	
Gross primary, secondary, tertiary school enrollment (%)	41	48	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity	7.8	0.0	2.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	22.1	9.8 10.0	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	2.4 15.4	2.5 83.6	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.2	0.7	
Households with a computer (%)	2.9a	9.0	
Households with Internet access at home (%) Usage	0.7a	5.8	a 12.4
Int'l. voice traffic, total (minutes/subscription/month)	36.4	9.3	6.5
Domestic mobile traffic (minutes/subscription/month)	40.0		
	42.6	68.1	
Individuals using the Internet (%)	42.6	19.2	
			a 18.7
Individuals using the Internet (%) Quality	4.8	19.2	a 18.7 86
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	4.8 85	19.2 91	a 18.7 86 58.2
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	4.8 85 86.8	19.2 91 100.0 5,122	86 58.2 8,076
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	4.8 85 86.8	19.2 91 100.0 5,122 12.5	86 58.2 8,076
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	4.8 85 86.8 1,437	19.2 91 100.0 5,122 12.5 19.5	86 58.2 8,076 4.9
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	4.8 85 86.8 1,437	19.2 91 100.0 5,122 12.5	86 58.2 8,076 4.9
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	4.8 85 86.8 1,437 	19.2 91 100.0 5,122 12.5 19.5 38.1	86 58.2 8,076 4.9 10.5 20.6
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	4.8 85 86.8 1,437 	19.2 91 100.0 5,122 12.5 19.5 38.1	86 58.2 8,076 4.9 10.5 20.6
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	4.8 85 86.8 1,437 	19.2 91 100.0 5,122 12.5 19.5 38.1 0.3 2.2	86 58.2 8,076 4.9 10.5 20.6
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	4.8 85 86.8 1,437 	19.2 91 100.0 5,122 12.5 19.5 38.1	86 58.2 8,076 4.9 10.5 20.6
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	4.8 85 86.8 1,437 	19.2 91 100.0 5,122 12.5 19.5 38.1 0.3 2.2	86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1

Serbia

Europe & Central Asia U	ppci iii	ncome	
			Upper middle-
	Countr	y data	income group
	2005	2012	2012
Economic and social context			
Population (millions)	7	7	2,391
Urban population (% of total)	54	57	61
GNI per capita, World Bank Atlas method (\$)	3,430	5,280	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.3	1.3	6.2
Adult literacy rate (% ages 15 and older)		98	94
Gross primary, secondary, tertiary school enrollment (%)	78	79	76
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed)		Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
	4.7	5.3	2.5
Telecommunications revenue (% of GDP)			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	22.9	15.0	18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	30.9	15.0 38.4	18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	30.9 67.4	38.4 117.8	18.2 19.4 92.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	30.9	38.4 117.8 12.9	19.4 92.4 10.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	30.9 67.4	38.4 117.8	19.4 92.4 10.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	30.9 67.4 0.4	38.4 117.8 12.9	19.4 92.4 10.8 40.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	30.9 67.4 0.4 25.0	38.4 117.8 12.9 60.3	19.4 92.4 10.8 40.6 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	30.9 67.4 0.4 25.0 18.0	38.4 117.8 12.9 60.3 ³ 48.0 ³	19.4 92.4 10.8 40.6 36.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	30.9 67.4 0.4 25.0 18.0	38.4 117.8 12.9 60.3 ³ 48.0 ⁹	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	30.9 67.4 0.4 25.0 18.0	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	30.9 67.4 0.4 25.0 18.0	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3a	38.4 117.8 12.9 60.3° 48.0° 8.2 97.4 48.1°	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4 48.1 ³	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4 48.1 ⁴	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4 799	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4 48.1 ³ 100 99.0 89,563	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4 799	38.4 117.8 12.9 60.3 48.0 8.2 97.4 48.1 100 99.0 89,563 7.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4 799	38.4 117.8 12.9 60.3 48.0 8.2 97.4 48.1 100 99.0 89,563 7.0 12.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99.5 14,580
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4 799	38.4 117.8 12.9 60.3 48.0 8.2 97.4 48.1 100 99.0 89,563 7.0 12.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99.5.5 14,580 9.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4 799	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4 48.1 ³ 100 99.0 89,563 7.0 12.5 21.2	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4 799	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4 48.1 ³ 100 99.0 89,563 7.0 12.5 21.2	18.2 19.4 92.4 10.6 36.3 1.3 284.4 41.6 99 95.5 14,580 17.8 17.6 14.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4 799	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4 48.1 ³ 100 99.0 89,563 7.0 12.5 21.2 2.1 3.8	18.2 19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8 17.6 14.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	30.9 67.4 0.4 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4 799	38.4 117.8 12.9 60.3 ³ 48.0 ³ 8.2 97.4 48.1 ³ 100 99.0 89,563 7.0 12.5 21.2 2.1 3.8	19.4 92.4 10.8 40.6 36.3 1.3 284.4

Seychelles

Sub-Saharan Africa	Jpper m	iddle i	ncome
			Upper middle- income
	Countr		group
	2005	2012	2012
Economic and social context	0.00	0.00	0.004
Population (millions)	0.08 52	0.09 54	,
Urban population (% of total) GNI per capita, <i>World Bank Atla</i> s method (\$)	10,540	12,180	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	-1.0	4.0	
Adult literacy rate (% ages 15 and older)	92	92	
Gross primary, secondary, tertiary school enrollment (%)	82	71	
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	Р	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	A	
Sector efficiency and capacity	0.4	2.0	0.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	6.4 24.9	3.8	
Sector performance			
Access	24.0	22.7	10.4
Fixed-telephone subscriptions (per 100 people)	24.6	22.7	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	67.5 1.1	147.8 11.0	
Households with a computer (%)	1.1 12.0a	51.9	
Households with Internet access at home (%)	6.0a	41.9	
Usage	0.0	71.5	30.3
Int'l. voice traffic, total (minutes/subscription/month)	9.3	5.2	1.3
Domestic mobile traffic (minutes/subscription/month)		42.3	284.4
Individuals using the Internet (%)	25.4	47.1	a 41.6
Quality			
Population covered by a mobile-cellular network (%)	98	98	99
Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	94.2	95.5
International Internet bandwidth (bit/s per Internet user)	1,062	15,606	14,580
Affordability			
Fixed-telephone sub-basket (\$ a month)		9.0	9.4
Mobile-cellular sub-basket (\$ a month)		15.3	14.9
Fixed-broadband sub-basket (\$ a month)		16.3	17.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	
ICT goods imports (% of total goods imports)	1.5	2.1	
ICT service exports (% of total service exports)	4.9	6.4	29.1
Applications	0.40	0.00	0.40
Online service index (0-1, 1=highest presence)	0.49	0.33	
Secure Internet servers (per million people)	482.5	604.4	18.5

Sierra Leone

Sub-Saharan Africa Low income

	Countr	y data	Low- income
-	2005	2012	group 2012
Economic and social context			
Population (millions)	5	6	846
Urban population (% of total)	37	40	28
GNI per capita, World Bank Atlas method (\$)	310	580	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	9.0	6.3	5.9
Adult literacy rate (% ages 15 and older)	35	43	61
Gross primary, secondary, tertiary school enrollment (%)			60
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		Р	
Mobile telephone service	С	Р	
Internet service	Р	Р	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			5.0
Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.5	0.3	1.0
Mobile-cellular telephone subscriptions (per 100 people)	14.3	37.0	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0		0.2
Households with a computer (%)	0.8		4.2
Households with Internet access at home (%)			3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			70.1
Individuals using the Internet (%)	0.2	1.3	
Quality			
Population covered by a mobile-cellular network (%)	70		
Fixed (wired)-broadband subscriptions (% of total Internet)			30.9
International Internet bandwidth (bit/s per Internet user)		1,994	9,141
Affordability			
Fixed-telephone sub-basket (\$ a month)			8.9
Mobile-cellular sub-basket (\$ a month)			11.9
Fixed-broadband sub-basket (\$ a month)			46.9
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)	0.2	57.2	
Applications	0.2	01.2	
Online service index (0-1, 1=highest presence)	0.15	0.17	0.20
Secure Internet servers (per million people)	0.13	0.8	
Section Control of the control o	0.1	0.0	1.1

Singapore

	Count	ry data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	4	5	1,300
Urban population (% of total)	100	100	,
GNI per capita, World Bank Atlas method (\$)	27,240	47,210	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.1	5.5	,
Adult literacy rate (% ages 15 and older)	93	96	
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			-
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	2.6	2.7
Telecommunications investment (% of revenue)	12.6		17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	41.0	37.5	43.6
Mobile-cellular telephone subscriptions (per 100 people)	97.5	152.1	
Fixed (wired)-broadband subscriptions (per 100 people)	14.6	25.4	
Households with a computer (%)	74.0	87.7	
Households with Internet access at home (%)	66.0	87.7	
Usage	00.0	0	
Int'l. voice traffic, total (minutes/subscription/month)	75.2	88.3	
Domestic mobile traffic (minutes/subscription/month)			440.0
Individuals using the Internet (%)	61.0	74.2	
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	29.1	98.3	
International Internet bandwidth (bit/s per Internet user)	31,606	387,641	
Affordability	,	,	,
Fixed-telephone sub-basket (\$ a month)		8.8	25.2
Mobile-cellular sub-basket (\$ a month)		9.3	
Fixed-broadband sub-basket (\$ a month)		30.0	
Trade			
ICT goods exports (% of total goods exports)	45.5	28.4	8.9
ICT goods imports (% of total goods imports)	37.9	23.4	
ICT service exports (% of total service exports)	22.3	24.0	
Applications		20	55.0
Online service index (0-1, 1=highest presence)	0.70	1.00	0.67
Secure Internet servers (per million people)	275.4	610.1	
cooks intoinst out for thinion people/	210.7	010.1	021.0

Sint Maarten (Dutch part)

	Countr	Country data	
•	2005	2012	group 2012
Economic and social context			
Population (millions)	0.04	0.04	1,300
Urban population (% of total)			80
GNI per capita, World Bank Atlas method (\$)			38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance			
Access			43.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)			122.9
Fixed (wired)-broadband subscriptions (per 100 people)			26.2
Households with a computer (%)			77.7
Households with Internet access at home (%)			75.5
Usage			10.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)			75.4
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.9
International Internet bandwidth (bit/s per Internet user)			85,990
Affordability			
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			8.9
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			10.8 30.8
ICT service exports (% of total service exports) Applications			30.8
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)			827.6
Sasaracomer convers (ber umunit beobie)			521.0

Slovak Republic

	Countr	v data	High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	5	5	1,300
Urban population (% of total)	56	55	,
GNI per capita, World Bank Atlas method (\$)	11,070	17,190	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.9	3.5	
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	78	82	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	Р	
Mobile telephone service	С	Р	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.6	2.7
Telecommunications investment (% of revenue)	22.6	11.0	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	22.2	17.9	43.6
Mobile-cellular telephone subscriptions (per 100 people)	84.2	111.9	
Fixed (wired)-broadband subscriptions (per 100 people)	3.4	14.7	
Households with a computer (%)	47.0	79.0	
Households with Internet access at home (%)	23.0	76.6	
Usage	25.0	70.0	10.0
Int'l. voice traffic, total (minutes/subscription/month)	12.4	11.4	
Domestic mobile traffic (minutes/subscription/month)	86.4	120.0	
Individuals using the Internet (%)	55.2	80.0	
Quality	00.2	00.0	10.1
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	61.7	96.4	
International Internet bandwidth (bit/s per Internet user)	4,772	11,477	
Affordability	.,	,	00,000
Fixed-telephone sub-basket (\$ a month)		18.9	25.2
Mobile-cellular sub-basket (\$ a month)		17.5	
Fixed-broadband sub-basket (\$ a month)		27.6	
Trade		20	20.2
ICT goods exports (% of total goods exports)	9.4	16.6	8.9
ICT goods imports (% of total goods imports)	8.3	12.8	
ICT service exports (% of total service exports)	24.2	31.7	
Applications	21.2	01.1	00.0
Online service index (0-1, 1=highest presence)	0.59	0.50	0.67
Secure Internet servers (per million people)	18.4	263.3	
occaro internet servers (per million people)	10.4	200.0	021.0

Slovenia

High	income

	Counti	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	2	2	1,300
Urban population (% of total)	50	50	80
GNI per capita, World Bank Atlas method (\$)	18,070	22,810	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.6	0.6	1.0
Adult literacy rate (% ages 15 and older)	100	100	
Gross primary, secondary, tertiary school enrollment (%)	92	94	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	2.5	2.7
Telecommunications investment (% of revenue)	23.8	20.0	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	51.0	39.9	43.6
Mobile-cellular telephone subscriptions (per 100 people)	87.9	108.6	
Fixed (wired)-broadband subscriptions (per 100 people)	9.8	24.3	
Households with a computer (%)	61.0	76.0	77.7
Households with Internet access at home (%)	48.2	74.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	11.6	9.9	
Domestic mobile traffic (minutes/subscription/month)	109.4	137.3	113.6
Individuals using the Internet (%)	46.8	70.0	75.4
Quality Deputation severed by a makile collular naturals (%)	00	100	100
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	99 49.4	100 99.6	
International Internet bandwidth (bit/s per Internet user)	2,681	94,652	
Affordability	2,001	94,032	65,330
Fixed-telephone sub-basket (\$ a month)		18.7	25.2
Mobile-cellular sub-basket (\$ a month)		25.1	20.6
Fixed-broadband sub-basket (\$ a month)		36.2	29.2
Trade			
ICT goods exports (% of total goods exports)	1.3	1.8	
ICT goods imports (% of total goods imports)	4.3	3.6	
ICT service exports (% of total service exports)	20.4	22.2	30.8
Applications Online service index (0-1, 1=highest presence)	0.67	0.67	0.67
Secure Internet servers (per million people)	79.0	547.8	
occure internet servers (per million people)	13.0	J41.0	021.0

Solomon Islands

East Asia & Pacific	Lower n	niddle i	ncome
	Counti	v data	Lower middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.47	0.55	2,507
Urban population (% of total)	18	21	39
GNI per capita, World Bank Atlas method (\$)	900	1,130	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.6	6.0	6.0
Adult literacy rate (% ages 15 and older)			. 73
Gross primary, secondary, tertiary school enrollment (%)	51		. 64
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7		2.5
Telecommunications investment (% of revenue)			20.5
Sector performance Access	1.6	1.5	5.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	1.3	55.0	
	0.1	0.4	
Fixed (wired)-broadband subscriptions (per 100 people)			
Households with Internet access at home (%)		5.1	
Households with Internet access at home (%) Usage		4.2	a 12.4
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.8	7.0	a 18.7
Quality			
Population covered by a mobile-cellular network (%)			. 86
Fixed (wired)-broadband subscriptions (% of total Internet)	23.7		58.2
International Internet bandwidth (bit/s per Internet user)	2,044	3,614	8,070
Affordability			
Fixed-telephone sub-basket (\$ a month)		10.3	4.9
Mobile-cellular sub-basket (\$ a month)		14.5	10.5
Fixed-broadband sub-basket (\$ a month) Trade		259.2	20.6
ICT goods exports (% of total goods exports)		0.0	4.6
ICT goods imports (% of total goods imports)		2.7	
ICT service exports (% of total service exports)	57.5	2.4	
Applications	51.5	2.4	71
Online service index (0-1, 1=highest presence)	0.27	0.13	0.32
Secure Internet servers (per million people)	4.3	5.3	
ocoure internet servers (her million heathie)	4.3	5.5	4.

Somalia

Sub-Saharan Africa Low income

	Countr	Country data	
-	2005	2012	group 2012
Economic and social context			
Population (millions)	8	10	846
Urban population (% of total)	35	38	
GNI per capita, World Bank Atlas method (\$)			
GDP growth, 2000-05 and 2005-12 (avg. annual %)			
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			. 60
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			5.0
Telecommunications investment (% of revenue)			
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	1.2	0.7	1.0
Mobile-cellular telephone subscriptions (per 100 people)	5.9	22.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	
Households with a computer (%)	0.0		4.0
Households with Internet access at home (%)			2.4
Usage			3.4
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			70.4
Individuals using the Internet (%)	1.1a	1.4	
Quality	1.1	1.1	0.2
Population covered by a mobile-cellular network (%)		80	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		30.9
International Internet bandwidth (bit/s per Internet user) Affordability	33		9,141
Fixed-telephone sub-basket (\$ a month)			8.9
Mobile-cellular sub-basket (\$ a month)			110
Fixed-broadband sub-basket (\$ a month)			46.9
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.18	0.20
Secure Internet servers (per million people)	0.1	0.1	1.1

South Africa

Sub-Saharan Africa U	pper m	iddle ii	ncome
			Upper middle-
	Country	Country data	
-	2005	2012	group 2012
Economic and social context			
Population (millions)	48	52	2,391
Urban population (% of total)	59	62	61
GNI per capita, World Bank Atlas method (\$)	4,810	7,460	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.8	2.8	6.2
Adult literacy rate (% ages 15 and older)	89	93	94
Gross primary, secondary, tertiary school enrollment (%)			76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Ρ	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
	0.0	4 5	2.5
Telecommunications revenue (% of GDP)	6.3	4.5	2.0
Felecommunications revenue (% of GDP) Felecommunications investment (% of revenue)	13.1	4.5 12.1	18.2
Felecommunications investment (% of revenue) Sector performance			18.2
Felecommunications investment (% of revenue) Sector performance Access	13.1	12.1	18.2
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	9.8	7.7	18.2 19.4 92.4
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	9.8 70.4	7.7 130.6	19.4 92.4 10.8
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	9.8 70.4 0.3	7.7 130.6 2.1	19. ² 92. ² 10.8 40.6
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	9.8 70.4 0.3 13.0 ^a	7.7 130.6 2.1 23.6	19.4 92.4 10.8 40.6
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	9.8 70.4 0.3 13.0 ^a	7.7 130.6 2.1 23.6	19.4 92.4 10.8 4 40.6 3 36.3
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	9.8 70.4 0.3 13.0 ^a 3.0 ^a	7.7 130.6 2.1 23.6 ⁶ 25.5 ⁶	19.4 92.4 10.8 40.6 36.3
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	9.8 70.4 0.3 13.0 ^a 3.0 ^a	7.7 130.6 2.1 23.6 25.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	9.8 70.4 0.3 13.0 ^a 3.0 ^a	7.7 130.6 2.1 23.6 25.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	9.8 70.4 0.3 13.0 ^a 3.0 ^a	7.7 130.6 2.1 23.6 25.5	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	9.8 70.4 0.3 13.0 ^a 3.0 ^a 7.5	7.7 130.6 2.1 23.6 ⁶ 25.5 ⁶ 	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	9.8 70.4 0.3 13.0 ^a 7.5	7.7 130.6 2.1 23.6 25.5 41.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	9.8 70.4 0.3 13.0 ^a 3.0 ^a 7.5	7.7 130.6 2.1 23.6 25.5 41.0 18,111	19.4 92.4 10.8 4 40.6 3 36.3 1.3 284.4 41.6 95.5 14,580
Fixed traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Downestic mobile traffic (minutes/subscription/month)	9.8 70.4 0.3 13.0 ^a 3.0 ^a 7.5	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	9.8 70.4 0.3 13.0 ^a 7.5 96 1.7 244	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3 32.6	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.8 70.4 0.3 13.0 ^a 7.5 96 1.7 244	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.8 70.4 0.3 13.0 ^a 7.5 96 1.7 244	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3 32.6 28.1	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 17.8
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports)	9.8 70.4 0.3 13.0 ^a 3.0 ^a 7.5 96 1.7 244 	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3 32.6 28.1	19.4 92.4 10.8 40.6 36.3 284.4 41.6 99.5 14,580 17.8
Relecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	9.8 70.4 0.3 13.0 ^a 3.0 ^a 7.5 96 1.7 244 1.2 11.1	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3 32.6 28.1 1.0 7.6	18.2 19.2 92.4 10.8 40.6 36.3 284.2 41.6 99.5 14,580 17.8 17.6 14.7
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) CT geods imports (% of total service exports)	9.8 70.4 0.3 13.0 ^a 3.0 ^a 7.5 96 1.7 244 	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3 32.6 28.1	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) CT goods imports (% of total service exports) Applications	9.8 70.4 0.3 13.0 ^a 3.0 ^a 7.5 96 1.7 244 1.2 11.1 9.9	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3 32.6 28.1 1.0 7.6 10.6	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) CT geods imports (% of total service exports)	9.8 70.4 0.3 13.0 ^a 3.0 ^a 7.5 96 1.7 244 1.2 11.1	7.7 130.6 2.1 23.6 25.5 41.0 18,111 28.3 32.6 28.1 1.0 7.6	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 99.5.5 14,580 9.4 14.9

South Sudan

Sub-Saharan Africa Low income

	Counti	Country data	
-	2005	2012	group 2012
Economic and social context			
Population (millions)	8	11	846
Urban population (% of total)	17	18	28
GNI per capita, World Bank Atlas method (\$)		790	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)		-9.8	5.9
Adult literacy rate (% ages 15 and older)			61
Gross primary, secondary, tertiary school enrollment (%)			60
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			5.0
Telecommunications investment (% of revenue)			
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)		0.0	1.0
Mobile-cellular telephone subscriptions (per 100 people)		21.2	
Fixed (wired)-broadband subscriptions (per 100 people)		0.0	
Households with a computer (%)			4.2
Households with Internet access at home (%)			3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		10.2	
Domestic mobile traffic (minutes/subscription/month)		63.0	70.1
Individuals using the Internet (%)			6.2
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)			30.9
International Internet bandwidth (bit/s per Internet user) Affordability			9,141
Fixed-telephone sub-basket (\$ a month)			8.9
Mobile-cellular sub-basket (\$ a month)			11.9
Fixed-broadband sub-basket (\$ a month)			40.0
Trade			10.0
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
Online service index (0-1, 1=highest presence)		0.14	0.20
Secure Internet servers (per million people)			1.1

Spain

	Country data		High- income group
	2005	2012	group 2012
Economic and social context			
Population (millions)	44	47	1,300
Urban population (% of total)	77	78	80
GNI per capita, World Bank Atlas method (\$)	25,310	29,270	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.2	0.1	1.0
Adult literacy rate (% ages 15 and older)	98	98	
Gross primary, secondary, tertiary school enrollment (%)	96	106	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			_
Telecommunications revenue (% of GDP)	3.1	2.3	2.7
Telecommunications investment (% of revenue)	19.6	15.4	17.6
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	44.9	41.9	
Mobile-cellular telephone subscriptions (per 100 people)	98.4	108.4	
Fixed (wired)-broadband subscriptions (per 100 people)	11.6	24.4	
Households with a computer (%)	55.0	74.0	
Households with Internet access at home (%)	35.5	68.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	93.1	115.7	113.6
Individuals using the Internet (%)	47.9	72.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	80.8	99.6	95.9
International Internet bandwidth (bit/s per Internet user)	5,799	81,365	85,990
Affordability			
Fixed-telephone sub-basket (\$ a month)		33.5	25.2
Mobile-cellular sub-basket (\$ a month)		39.9	20.6
Fixed-broadband sub-basket (\$ a month)		33.5	29.2
Trade			
ICT goods exports (% of total goods exports)	3.7	1.3	8.9
ICT goods imports (% of total goods imports)	7.2	4.6	10.8
ICT service exports (% of total service exports)	23.3	30.0	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.72	0.76	0.67
Secure Internet servers (per million people)	81.2	266.7	
		_00.1	0

Sri Lanka

	Lower middle income		
			Lower middle-
	Countr	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	20	20	2,507
Urban population (% of total)	15	15	39
GNI per capita, World Bank Atlas method (\$)	1,210	2,920	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.3	6.5	6.0
Adult literacy rate (% ages 15 and older)	91	91	71
Gross primary, secondary, tertiary school enrollment (%)		77	64
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		Р	
Mobile telephone service	С	P	
Internet service	С	P	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	1.9	2.5
		1.0	2.0
Telecommunications investment (% of revenue)	12.2	33.4	
Telecommunications investment (% of revenue) Sector performance Access	12.2	33.4	20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.2		20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	12.2	33.4	20.5 5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	6.2 16.8 0.1	16.3 91.6 1.7	5.4 83.1 1.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	6.2 16.8	33.4 16.3 91.6	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	6.2 16.8 0.1 5.0	16.3 91.6 1.7 15.0	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	6.2 16.8 0.1 5.0	16.3 91.6 1.7 15.0	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	6.2 16.8 0.1 5.0 1.1 ^a	16.3 91.6 1.7 15.0 10.3	5.4 83.1 1.4 15.0 12.4 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	6.2 16.8 0.1 5.0 1.1 ^a	16.3 91.6 1.7 15.0 10.3	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	6.2 16.8 0.1 5.0 1.1 ^a 74.7	16.3 91.6 1.7 15.0 10.3 10.0 160.5	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	6.2 16.8 0.1 5.0 1.1 ^a 74.7	16.3 91.6 1.7 15.0 10.3 10.0 160.5	20.5 5.4 83.1 1.4 15.0 12.4 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	6.2 16.8 0.1 5.0 1.1 ^a 74.7 1.8 ^a	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3	5.4 83.1 1.4 15.0 12.4 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	6.2 16.8 0.1 5.0 1.1 ^a 74.7 1.8 ^a	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3	5.4 83.1 1.4 15.0 12.4 6.5 86 58.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	6.2 16.8 0.1 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6	20.5 5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	6.2 16.8 0.1 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3 1,396	16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6 5,995	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	6.2 16.8 0.1 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3 1,396	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6 5,995	20.5 5.4 83.1 1.4 15.0 12.4 6.5 8.0 58.2 8,076 4.9 10.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	6.2 16.8 0.1 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3 1,396	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6 5,995 3.4 1.1	20.5 5.4 83.1 1.4 15.0 12.4 6.5 8.0 58.2 8,076 4.9 10.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	6.2 16.8 0.1 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3 1,396	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6 5,995 3.4 1.1	20.5 5.4 83.1 1.4 1.5.0 6.5 1.8 86 58.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.2 16.8 0.1 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3 1,396	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6 5,995 3.4 1.1 4.5	20.5 5.4 83.1 1.4 1.5.0 6.5 1.8.7 86 58.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.2 6.2 16.8 0.1 5.0 1.1a 74.7 1.8a 85 18.3 1,396	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6 5,995 3.4 1.1 4.5 0.5	20.5 5.4 83.1 1.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	12.2 6.2 16.8 0.1 5.0 1.1a 74.7 1.8a 85 18.3 1,396	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6 5,995 3.4 1.1 4.5 0.5 3.7	20.5 5.4 83.1 1.4 15.0 12.4 6.5 . 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.2 6.2 16.8 0.1 5.0 1.1a 74.7 1.8a 85 18.3 1,396	33.4 16.3 91.6 1.7 15.0 10.3 10.0 160.5 18.3 98 83.6 5,995 3.4 1.1 4.5 0.5 3.7	5.4 83.1 1.4 15.0 12.4 6.5 8.076 4.9 10.5 20.6 4.6 7.2 47.1

St. Kitts and Nevis

	Countr	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.05	0.05	1,300
Urban population (% of total)	32	32	80
GNI per capita, World Bank Atlas method (\$)	10,900	13,610	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	3.2	0.7	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)		75	93
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.4	6.9	2.7
Telecommunications investment (% of revenue)	25.3	7.9	17.6
Sector performance			
Access	44.0	07.0	40.0
Fixed-telephone subscriptions (per 100 people)	41.3	37.3	
Mobile-cellular telephone subscriptions (per 100 people)	103.8 13.2	156.8 ⁶ 27.2 ⁶	
Fixed (wired)-broadband subscriptions (per 100 people)	13.2 17.3a	54.7	
Households with a computer (%)			75.5
Households with Internet access at home (%)			15.5
Usage	58.2	63.5	
Int'l. voice traffic, total (minutes/subscription/month)	102.1	32.3	113.6
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	34.0a	32.3 79.3	
Quality	34.0-	19.5	13.4
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.9
International Internet bandwidth (bit/s per Internet user)		67,860	
Affordability		07,000	05,550
Fixed-telephone sub-basket (\$ a month)		12.6	25.2
Mobile-cellular sub-basket (\$ a month)		22.1	20.6
Fixed-broadband sub-basket (\$ a month)		36.7	29.2
Trade		00.1	20.2
ICT goods exports (% of total goods exports)	2.4	22.5	8.9
ICT goods imports (% of total goods imports)	8.3	5.9	10.8
ICT service exports (% of total service exports)	14.0	16.7	30.8
Applications	20	20.1	00.0
Online service index (0-1, 1=highest presence)	0.48	0.18	0.67
Secure Internet servers (per million people)	1,017.5	1,388.9	827.6
with the second (per minor people)	_,010	_,000.0	020

St. Lucia

	ppci iii	iddle iı	icome
	Country		Upper middle- income
			group
	2005	2012	2012
Economic and social context Population (millions)	0.17	0.18	2,39
Urban population (% of total)	23	17	6:
GNI per capita, World Bank Atlas method (\$)	5.110	6.890	6.969
GDP growth, 2000–05 and 2005–12 (avg. annual %)	2.0	2.2	6.2
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, tertiary school enrollment (%)	73	71	70
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	6.7	2.
Telecommunications investment (% of revenue)	9.4	8.4	18.2
Telecommunications investment (% of revenue)	9.4	8.4	18.2
Telecommunications investment (% of revenue) Sector performance Access	9.4	8.4	18.:
Sector performance	23.6	20.4	
Sector performance Access	23.6 63.9		19. 92.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	23.6	20.4 125.5 13.6	19. 92. 10.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	23.6 63.9	20.4 125.5 13.6 42.5	19. 92. 10. 40.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	23.6 63.9 4.2ª	20.4 125.5 13.6	19.4 92.4 10.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	23.6 63.9 4.2ª 	20.4 125.5 13.6 42.5 ^a 32.2 ^a	19.4 92.4 10.4 40.4 36.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	23.6 63.9 4.2ª 	20.4 125.5 13.6 42.5 ⁶ 32.2 ⁶ 28.7	19.4 92.4 10.4 40.4 36.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	23.6 63.9 4.2ª 53.5 64.7	20.4 125.5 13.6 42.5 ^e 32.2 ^e 28.7 80.4	19.40.40.41.36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	23.6 63.9 4.2ª 	20.4 125.5 13.6 42.5 ⁶ 32.2 ⁶ 28.7	19.40.40.41.36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	23.6 63.9 4.2ª 53.5 64.7 21.6	20.4 125.5 13.6 42.5 ³ 32.2 ³ 28.7 80.4 48.6 ³	19. 92. 10. 40. 36. 1. 284. 41.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	23.6 63.9 4.2ª 53.5 64.7 21.6	20.4 125.5 13.6 42.5 ⁵ 32.2 ⁵ 28.7 80.4 48.6 ⁶	19. 92. 10. 40. 36. 1. 284. 41.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	23.6 63.9 4.2ª 53.5 64.7 21.6	20.4 125.5 13.6 42.5 ⁵ 32.2 ⁵ 28.7 80.4 48.6 ⁶ 100 98.5	19.40.136.36.3 1 284.4 41.6 99.95.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	23.6 63.9 4.2ª 53.5 64.7 21.6	20.4 125.5 13.6 42.5 ⁵ 32.2 ⁵ 28.7 80.4 48.6 ⁶	19.40.136.36.3 1 284.4 41.6 99.95.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	23.6 63.9 4.2ª 53.5 64.7 21.6 80 91.2	20.4 125.5 13.6 42.5 32.2 28.7 80.4 48.6 100 98.5 68,218	19.4 92.4 10.4 40.4 36.4 1.2 284.4 41.4 9.9 95.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	23.6 63.9 4.2ª 53.5 64.7 21.6	20.4 125.5 13.6 42.5 ⁵ 32.2 ⁵ 28.7 80.4 48.6 ⁶ 100 98.5	19.4 92.4 10.4 40.4 36.4 1.2 284.4 41.4 95.1 14,586
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	23.6 63.9 4.2ª 53.5 64.7 21.6 80 91.2	20.4 125.5 13.6 42.5 ⁵ 32.2 ² 28.7 80.4 48.6 ³ 100 98.5 68,218	19. 92. 10.3 40.4 36.3 1.3 284.4 41.4 9. 95.1 14,586
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	23.6 63.9 4.2ª 53.5 64.7 21.6 80 91.2	20.4 125.5 13.6 42.5 ⁵ 32.2 ² 28.7 80.4 48.6 ³ 100 98.5 68,218 13.4 21.6	19. 92. 10. 40. 36. 1. 284. 41. 9 95. 14,58
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	23.6 63.9 4.2ª 53.5 64.7 21.6 80 91.2	20.4 125.5 13.6 42.5 ⁵ 32.2 ² 28.7 80.4 48.6 ³ 100 98.5 68,218 13.4 21.6	19.9 92.10.1 10.1 140.1 36.1 284.4 41.1 995.1 14,581 12.1 14,581 14,581
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	23.6 63.9 4.2ª 53.5 64.7 21.6 80 91.2	20.4 125.5 13.6 42.5 ³ 32.2 ² 28.7 80.4 48.6 ³ 100 98.5 68,218 13.4 21.6 36.2	19. 92. 10. 40. 36. 1. 284. 41. 9 95. 14,58 9. 14. 17. 17.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	23.6 63.9 4.2 ^a 53.5 64.7 21.6 80 91.2 	20.4 125.5 13.6 42.5 ⁵ 32.2 ² 28.7 80.4 48.6 ³ 100 98.5 68,218 13.4 21.6 36.2	19.0 92.10.1 10.1 136.1 284.4 41.1 9.9 14.586 17.1 17.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	23.6 63.9 4.2ª 53.5 64.7 21.6 80 91.2 	20.4 125.5 13.6 42.5 ⁵ 32.2 ⁵ 28.7 80.4 48.6 ⁶ 100 98.5 68,218 13.4 21.6 36.2	19.0 92.10.1 10.1 136.1 284.4 41.1 9.9 14.586 17.1 17.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	23.6 63.9 4.2ª 53.5 64.7 21.6 80 91.2 	20.4 125.5 13.6 42.5 ⁵ 32.2 ⁵ 28.7 80.4 48.6 ⁶ 100 98.5 68,218 13.4 21.6 36.2	19.4 92.4 10.8 40.4 36.3

St. Martin (French part)

Population (millions)		Counti	y data	High- income group
Population (millions)	-	2005	2012	
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications revenue (% of Forenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with internet access at home (%) Usage Int't. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed-telephone sub-basket (\$ a month) 25.2 Affordability Fixed-telephone sub-basket (\$ a month) 25.3 Mobile-cellular sub-basket (\$ a month) 26.4 Mobile-cellular sub-basket (\$ a month) 27.7 Applications Online service index (0-1, 1-highest presence) Online service index (0-1, 1-highest presence)	Economic and social context			
GNI per capita, World Bank Atlas method (\$) 38,412 GDP growth, 2000-05 and 2005-12 (avg. annual %) 1.0 Adult literacy rate (% ages 15 and older)	Population (millions)	0.03	0.03	1,300
GDP growth, 2000-05 and 2005-12 (avg. annual %)	Urban population (% of total)			80
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) CIT goods exports (% of total goods imports) CIT goods exports (% of total goods imports) CIT goods imports (% of total goods imports) CIT goods exports (% of total service exports) Applications Online service index (0-1, 1-highest presence)	GNI per capita, World Bank Atlas method (\$)			38,412
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications revenue (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-broadband sub-basket (\$ a month) Fixed-goods exports (% of total goods exports) CIT goods exports (% of total goods exports) CIT goods exports (% of total spotes exports) Applications Online service index (0-1, 1-highest presence)				1.0
Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Podos supports (% of total goods exports) ICT goods exports (% of total goods exports) ICT goods exports (% of total goods imports) ICT goods exports (% of total service exports) Applications Online service index (0-1, 1-highest presence) Oceaning the competition of the presence of the competition of the competitio	Adult literacy rate (% ages 15 and older)			
Separate telecommunications/ICT regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixe	Gross primary, secondary, tertiary school enrollment (%)			93
Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Condition of total goods exports) CIT goods exports (% of total service exports) Applications Online service index (0-1, 1-highest presence) Sector period and sub-basket (9-10 memory) Control of the period	Sector structure			
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscription (month) Fixed (wired)-broadband subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month				
International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Totage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications Online service index (0-1, 1=highest presence) O a framework, allowed) ### Capacity ### Cap	·			
Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) T7.5 Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) Sector performance Access 12.3 10.6 11.6 12.5 10.6 1				
Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscription) Fixed (wired)-broadband subscription) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Fixed (wired)-broadband subscriptions (% of total Internet) Fixed-telephone sub-basket (\$ a month) Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broa	• • • • • • • • • • • • • • • • • • • •			
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Pouseholds with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) O 43.6 Applications 1.2.7 2.7 2.7 2.7 2.7 2.7 2.7 2	•			
Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP)				
Sector efficiency and capacity Telecommunications revenue (% of GDP) 2.7 Telecommunications investment (% of revenue) 17.6 Sector performance Access Fixed-telephone subscriptions (per 100 people) 43.6 Mobile-cellular telephone subscriptions (per 100 people) 122.5 Fixed (wired)-broadband subscriptions (per 100 people) 26.2 Households with a computer (%) 77.7 Households with Internet access at home (%) 75.5 Usage Int'l. voice traffic, total (minutes/subscription/month) 113.6 Individuals using the Internet (%) 75.4 Quality Population covered by a mobile-cellular network (%) 100 Fixed (wired)-broadband subscriptions (% of total Internet) 95.5 International Internet bandwidth (bit/s per Internet user) 85,990 Affordability Fixed-telephone sub-basket (\$ a month) 20.6 Fixed broadband sub-basket (\$ a month) 20.6 Trade ICT goods exports (% of total goods exports) 107 For service exports (% of total service exports) 30.8 Applications Online service index (0-1, 1=highest presence) 0.66				
Telecommunications revenue (% of GDP) 2.7 Telecommunications investment (% of revenue) 17.6 Sector performance Access Fixed-telephone subscriptions (per 100 people)	Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Telecommunications investment (% of revenue)				
Sector performance Access Fixed-telephone subscriptions (per 100 people)	· · · · · · · · · · · · · · · · · · ·			
Access Fixed-telephone subscriptions (per 100 people)	lelecommunications investment (% of revenue)		•	17.6
Fixed-telephone subscriptions (per 100 people)	•			
Mobile-cellular telephone subscriptions (per 100 people)				43.6
Fixed (wired)-broadband subscriptions (per 100 people)				122.9
Households with Internet access at home (%)				26.2
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Domestic month (\$ 25.2 Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) Online service index (0-1, 1=highest presence) Online service index (0-1, 1=highest presence)	Households with a computer (%)			77.7
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Double-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) 113.6 113.6 120.6 12	Households with Internet access at home (%)			75.5
Domestic mobile traffic (minutes/subscription/month)	Usage			
Individuals using the Internet (%)	Int'l. voice traffic, total (minutes/subscription/month)			
Quality 100 Population covered by a mobile-cellular network (%) 100 Fixed (wired)-broadband subscriptions (% of total Internet) 95.5 International Internet bandwidth (bit/s per Internet user) 85,990 Affordability 5 Fixed-telephone sub-basket (\$ a month) 25.2 Mobile-cellular sub-basket (\$ a month) 20.6 Fixed-broadband sub-basket (\$ a month) 29.2 Trade 10T goods exports (% of total goods exports) 8.5 ICT goods imports (% of total goods imports) 10.6 ICT service exports (% of total service exports) 30.8 Applications Online service index (0-1, 1=highest presence) 0.67	Domestic mobile traffic (minutes/subscription/month)			113.6
Population covered by a mobile-cellular network (%)	Individuals using the Internet (%)			75.4
Fixed (wired)-broadband subscriptions (% of total Internet)				
International Internet bandwidth (bit/s per Internet user)				
Affordability 25.2 Fixed-telephone sub-basket (\$ a month) 25.2 Mobile-cellular sub-basket (\$ a month) 20.6 Fixed-broadband sub-basket (\$ a month) 29.2 Trade 10.7 ICT goods exports (% of total goods exports) 8.5 ICT goods imports (% of total goods imports) 10.8 ICT service exports (% of total service exports) 30.8 Applications Online service index (0-1, 1=highest presence) 0.67				
Fixed-telephone sub-basket (\$ a month)				85,990
Mobile-cellular sub-basket (\$ a month) 20.6 Fixed-broadband sub-basket (\$ a month) 29.2 Trade ICT goods exports (% of total goods exports) 8.5 ICT goods imports (% of total goods imports) 10.6 ICT service exports (% of total service exports) 30.8 Applications Online service index (0-1, 1=highest presence) 0.66	Fixed-telephone sub-basket (\$ a month)			25.2
Trade ICT goods exports (% of total goods exports)				20.6
ICT goods exports (% of total goods exports) 8.5 ICT goods imports (% of total goods imports) 10.6 ICT service exports (% of total service exports) 30.6 Applications 0.67 Online service index (0-1, 1=highest presence) 0.67				29.2
ICT goods imports (% of total goods imports)	Trade			
ICT service exports (% of total service exports) 30.8 Applications Online service index (0-1, 1=highest presence) 0.67	ICT goods exports (% of total goods exports)			8.9
Applications Online service index (0-1, 1=highest presence) 0.67	ICT goods imports (% of total goods imports)			10.8
Online service index (0-1, 1=highest presence) 0.67	ICT service exports (% of total service exports)			30.8
	Applications			
Secure Internet servers (per million people) 32.3 827.6	Online service index (0-1, 1=highest presence)			0.67
	Secure Internet servers (per million people)		32.3	827.6

St. Vincent and the Grenadines

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line telephone operator	Countr 2005 0.11 47 4,960 4.9 78		Upper middle- income group 2012 2,391 61 6,969 6.2 94 76
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator	0.11 47 4,960 4.9 78	0.11 50 6,400 0.6	2,391 61 6,969 6.2 94
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator	0.11 47 4,960 4.9 78	50 6,400 0.6	61 6,969 6.2 94
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator	47 4,960 4.9 78	50 6,400 0.6	61 6,969 6.2 94
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator	4,960 4.9 78	6,400 0.6	6,969 6.2 94
GDP growth, 2000-05 and 2005-12 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator	4.9 78	0.6	6.2 94
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator	 78 Yes		94
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator	78 Yes		-
Sector structure Separate telecommunications/ICT regulator	Yes		76
Separate telecommunications/ICT regulator			
·			
Status of main fixed-line telephone operator	Private	Yes	
		Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.3	7.4	2.5
Telecommunications investment (% of revenue)			18.2
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	20.7	17.7	19.4
Mobile-cellular telephone subscriptions (per 100 people)	64.9	123.9	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	3.4	12.4	10.8
Households with a computer (%)	16.8a	62.3	
Households with Internet access at home (%) Usage	14.1ª	49.7	36.3
Int'l. voice traffic, total (minutes/subscription/month)	58.9	34.7	1.3
Domestic mobile traffic (minutes/subscription/month)	49.4	82.2	284.4
Individuals using the Internet (%)	9.2	47.5	
Quality			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	98.4	95.5
International Internet bandwidth (bit/s per Internet user)	1,719,474	577,211	14,580
Affordability		400	0
Fixed-telephone sub-basket (\$ a month)		10.9	9.4
Mobile-cellular sub-basket (\$ a month)		24.6	14.9
Fixed-broadband sub-basket (\$ a month)		33.6	17.8
Trade	4.4	0.5	47
ICT goods exports (% of total goods exports)	1.4	2.5	17.6
ICT goods imports (% of total goods imports)	6.4	3.3	14.7
ICT service exports (% of total service exports)	24.8	23.8	29.1
Applications	0.40	0.61	
Online service index (0-1, 1=highest presence)	0.43	0.31	0.42
Secure Internet servers (per million people)	101.2	238.5	18.5

Sudan

Lower m	iddle i	ncome
Country	v doto	Lower middle- income
		group
2005	2012	2012
20	27	0.507
		,
	,	,
Yes	Yes	
Mixed	Mixed	
M	P	
Р	P	
Р	C	
R		
i) B	C	;
3.9		
384.0	332.4	20.5
1.5		
0.6	29.3	12.4
1.3	21.0	18.7
2.4	0.0	0.0
407	1,703	0,070
	<i>1</i> 0	4.9
	5.1	20.0
0.0	0.0	4.6
2.1	0.0	
0.22	0.25	0.32
0.0	0.0	
	Country 2005 32 33 570 6.3 61 Yes Mixed M P P R R B 3.9 384.0	32 37 33 33 570 1,500 6.3 2.8 61 72 Yes Yes Mixed Mixed M P P P P R R R R R R) 1) B C 3.9 2.1 384.0 332.4 1.5 1.1 4.8° 74.4 0.0 0.1 3.0 14.0 0.6 29.3 5.6 5.6 81.1 80.2 1.3 21.0 34 88 4.7 72.4 407 1,703 4.9 5.6 9.7 0.0 0.0 4.2 3.8 2.1 3.8

Suriname

	Jpper m	iaaie ii	1come
	Country		Upper middle- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.50	0.53	2,39
Urban population (% of total)	67	70	6:
GNI per capita, World Bank Atlas method (\$)	3,330	8,680	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.9	4.2	6.2
Adult literacy rate (% ages 15 and older)	90	95	94
Gross primary, secondary, tertiary school enrollment (%)			76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	M	С	
Internet service	P	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7	1.0	2.
Telecommunications investment (% of revenue)	32.4	15.9	18.2
	32.4	15.9	18.2
Telecommunications investment (% of revenue) Sector performance Access	32.4	15.9	18.:
Sector performance	32.4	15.9	
Sector performance Access			19.
Sector performance Access Fixed-telephone subscriptions (per 100 people)	16.2	16.2	19. 92.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	16.2 46.6	16.2 106.5	19.4 92.4 10.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	16.2 46.6 0.2	16.2 106.5 5.5	19.4 92.4 10.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	16.2 46.6 0.2 17.3 ^a	16.2 106.5 5.5 34.3 ^a 20.2 ^a	19.4 92.4 10.4 40.4 36.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	16.2 46.6 0.2 17.3 ^a 5.2 ^a	16.2 106.5 5.5 34.3° 20.2°	19 92 10 40 36
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6	19.40.40.36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	16.2 46.6 0.2 17.3 ^a 5.2 ^a	16.2 106.5 5.5 34.3° 20.2°	19.40.40.36.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7°	19 92 10 40 36 1 284 41
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7°	19 92 10 40 36 1 284 41
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4	16.2 106.5 5.5 34.3 ^a 20.2 ^a 28.9 70.6 34.7 ^a 100 67.9	19 92 10 40 36 1 284 41 9. 95
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7°	19 92 10 40 36 1 284 41 9. 95
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	16.2 46.6 0.2 17.3ª 5.2ª 43.0 6.4 15.9 1,407	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7° 100 67.9 2,002	19.40.40.36.36.41.41.41.41.41.41.41.41.41.41.41.41.41.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4 15.9 1,407	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7° 100 67.9 2,002	19.4 92.4 10.4 40.1 36.3 1.2 284.4 41.1 9.9 55.1 14,589
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4 15.9 1,407	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7° 100 67.9 2,002 2.9 14.2	19. 92. 10.3 40.4 36. 1 284. 41.4 9. 95.1 14,586
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4 15.9 1,407	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7° 100 67.9 2,002	19. 92. 10.3 40.4 36. 1 284. 41.4 9. 95.1 14,586
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4 15.9 1,407	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7° 100 67.9 2,002 2.9 14.2 41.9	19.2 92.1 10.3 40.3 36.3 1.2 284.4 41.1 9.9 55.1 14,580 9.2 14.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	16.2 46.6 0.2 17.3ª 5.2ª 43.0 6.4 15.9 1,407	16.2 106.5 5.5 34.3 ^a 20.2 ^a 28.9 70.6 34.7 ^a 100 67.9 2,002 2.9 14.2 41.9	19.2 92.2 10.3 40.3 36.3 1.2 284.4 41.1 9.9 55.1 14,58 19.1 17.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4 15.9 1,407 	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7° 100 67.9 2,002 2.9 14.2 41.9	19.2 10.3 40.4 36.2 1.4 284.4 41.1 9.9 9.5 14.580 17.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	16.2 46.6 0.2 17.3ª 5.2ª 43.0 6.4 15.9 1,407	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7° 100 67.9 2,002 2.9 14.2 41.9 0.1 2.8	19.2 10.3 40.4 36.2 1.4 284.4 41.1 9.9 9.5 14.580 17.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	16.2 46.6 0.2 17.3 ^a 5.2 ^a 43.0 6.4 15.9 1,407 	16.2 106.5 5.5 34.3° 20.2° 28.9 70.6 34.7° 100 67.9 2,002 2.9 14.2 41.9 0.1 2.8	19.4 92.4 10.8 40.6 36.3

Swaziland

	Lower m	iaaie i	ncome
			Lower middle- income
	Country		group
Francis and code contact	2005	2012	2012
Economic and social context Population (millions)	1	1	2.507
Urban population (% of total)	22	21	,
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,390	2,860	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2,390	2,800	,
Adult literacy rate (% ages 15 and older)	82	88	
Gross primary, secondary, tertiary school enrollment (%)	61	67	
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	М	M	
Internet service	С	P	
Foreign ownership (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	12.4	4.5	
Telecommunications investment (% of revenue)	13.2	6.8	20.5
Sector performance			
•			
Access	4.0	3.7	5.4
Access Fixed-telephone subscriptions (per 100 people)		3.7 65.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	4.0 18.1 0.0		83.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	18.1 0.0	65.4 0.3	83.1 1.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	18.1	65.4	83.1 1.4 a 15.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	18.1 0.0 8.6a	65.4 0.3 11.9	83.1 1.4 a 15.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	18.1 0.0 8.6 ^a 3.0 ^a	65.4 0.3 11.9	83.1 1.4 a 15.0 a 12.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	18.1 0.0 8.6a	65.4 0.3 11.9 11.4	83.1 1.4 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	18.1 0.0 8.6 ^a 3.0 ^a	65.4 0.3 11.9 11.4	83.1 1.4 a 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	18.1 0.0 8.6 ^a 3.0 ^a	65.4 0.3 11.9 11.4 8.3 45.2	83.1 1.4 a 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	18.1 0.0 8.6 ^a 3.0 ^a	65.4 0.3 11.9 11.4 8.3 45.2	83.1 1.4 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	18.1 0.0 8.6 ^a 3.0 ^a 	65.4 0.3 11.9 11.4 8.3 45.2 20.8	83.1 1.4 a 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	18.1 0.0 8.6a 3.0a 3.7a	65.4 0.3 11.9 11.4 8.3 45.2 20.8	83.1 1.4 a 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	18.1 0.0 8.6 ^a 3.0 ^a 3.7 ^a 90	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0	83.1 1.4 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	18.1 0.0 8.6 ^a 3.0 ^a 3.7 ^a 90	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0	83.1 1.4 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	18.1 0.0 8.6 ^a 3.0 ^a 3.7 ^a 90	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0 1,818	83.1 1.4 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	18.1 0.0 8.6a 3.0a 3.7a 90 0.0 24	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0 1,818	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	18.1 0.0 8.6a 3.0a 3.7a 90 0.0 24	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0 1,818 6.8 22.5	83.1 1.4 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	18.1 0.0 8.6a 3.0a 3.7a 90 0.0 24	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0 1,818 6.8 22.5	83.1 1.2 a 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076 4.9 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	18.1 0.0 8.6 ^a 3.0 ^a 3.7 ^a 90 0.0 24	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0 1,818 6.8 22.5 75.7	83.1 1.2 15.0 a 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	18.1 0.0 8.6 ^a 3.0 ^a 3.7 ^a 90 0.0 24 	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0 1,818 6.8 22.5 75.7	83.1 1.4 a 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076 4.9 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	18.1 0.0 8.6 ^a 3.0 ^a 3.7 ^a 90 0.0 24 	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0 1,818 6.8 22.5 75.7	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	18.1 0.0 8.6 ^a 3.0 ^a 3.7 ^a 90 0.0 24 	65.4 0.3 11.9 11.4 8.3 45.2 20.8 97 90.0 1,818 6.8 22.5 75.7	83.1 1.4 a 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2

Sweden

	Count	Country data		Country data	
	2005	2012	group 2012		
Economic and social context					
Population (millions)	9	10	1,300		
Urban population (% of total)	84	85	80		
GNI per capita, World Bank Atlas method (\$)	42,920	56,120	38,412		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.8	1.4	1.0		
Adult literacy rate (% ages 15 and older)					
Gross primary, secondary, tertiary school enrollment (%)	95	92	93		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	С			
Mobile telephone service	С	С			
Internet service	С	С			
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	1.8	1.5	2.7		
Telecommunications investment (% of revenue)	17.8	13.5	17.6		
Sector performance Access Fixed-telephone subscriptions (per 100 people)	62.4	43.8	43.6		
Mobile-cellular telephone subscriptions (per 100 people)	100.8	124.6	122.9		
Fixed (wired)-broadband subscriptions (per 100 people)	27.9	32.3	26.2		
Households with a computer (%)	80.0	92.0	77.7		
Households with Internet access at home (%)	72.5	92.0	75.5		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)	90.8	164.9	113.6		
Individuals using the Internet (%)	84.8	94.0	75.4		
Quality					
Population covered by a mobile-cellular network (%)	99	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	76.7	96.6	95.9		
International Internet bandwidth (bit/s per Internet user)	20,578	279,287	85,990		
Affordability		00.0	05.0		
Fixed-telephone sub-basket (\$ a month)		28.3			
Mobile-cellular sub-basket (\$ a month)		20.6			
Fixed-broadband sub-basket (\$ a month)		36.8	29.2		
Trade	44.0	7.0			
ICT goods exports (% of total goods exports)	11.2	7.2			
ICT goods imports (% of total goods imports)	11.1	10.1			
ICT service exports (% of total service exports)	46.2	46.6	30.8		
Applications Online service index (0–1, 1=highest presence)	0.92	0.84	0.67		
Secure Internet servers (per million people)	331.2	1,444.0			
	JJ1.2	2,	521.0		

Switzerland

	Counti	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	7	8	1,300
Urban population (% of total)	73	74	80
GNI per capita, World Bank Atlas method (\$)	58,530	80,970	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.2	1.7	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	85	87	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	2.4	2.7
Telecommunications investment (% of revenue)	12.6	21.1	17.6
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	69.5	56.5	43.6
Mobile-cellular telephone subscriptions (per 100 people)	92.2	130.2	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	22.5	39.9	26.2
Households with a computer (%)	76.5	85.8	
Households with Internet access at home (%)	67.0a	90.0	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	57.6	84.5	113.6
Individuals using the Internet (%)	70.1	85.2	75.4
Quality	400	400	100
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	64.6	99.0	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	13,760	312,015	85,990
Fixed-telephone sub-basket (\$ a month)		34.6	25.2
Mobile-cellular sub-basket (\$ a month)		51.3	20.6
Fixed-broadband sub-basket (\$ a month)		38.3	29.2
Trade			
ICT goods exports (% of total goods exports)	2.6	1.4	8.9
ICT goods imports (% of total goods imports)	7.4	5.5	10.8
ICT service exports (% of total service exports)	26.9	34.6	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.76	0.67	0.67
Secure Internet servers (per million people)	472.8	2,222.0	827.6

Syrian Arab Republic

Middle East & North Africa	Lower middle inc		ncome
			Lower middle- income
	Countr		group
	2005	2012	2012
Economic and social context	4.0	00	0.507
Population (millions)	18	22	,
Urban population (% of total)	54	56	
GNI per capita, World Bank Atlas method (\$)	1,520		,
GDP growth, 2000–05 and 2005–12 (avg. annual %)	4.7 81	5.0 84	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	70	73	
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р	P	1
Internet service	Р	P	1
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	I) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6		2.5
Telecommunications investment (% of revenue)	7.5	15.1	20.5
Sector performance Access Fixed-telephone subscriptions (per 100 people)	16.0	20.2	5.4
Mobile-cellular telephone subscriptions (per 100 people)	16.2	59.3	83.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.0a	1.1	1.4
Households with a computer (%)	28.0	43.0	a 15.0
Households with Internet access at home (%)	26.0	38.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	13.6	11.6	6.5
Domestic mobile traffic (minutes/subscription/month)	130.2	72.2	
Individuals using the Internet (%)	5.6a	24.3	a 18.7
Quality			
Population covered by a mobile-cellular network (%)	92	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3	60.5	58.2
International Internet bandwidth (bit/s per Internet user) Affordability	333	3,760	8,076
Fixed-telephone sub-basket (\$ a month)		1.3	4.9
Mobile-cellular sub-basket (\$ a month)		21.3	10.5
Fixed-broadband sub-basket (\$ a month)		21.6	
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	4.6
ICT goods imports (% of total goods imports)	3.3	2.2	7.2
ICT service exports (% of total service exports)	9.3	2.5	47.1
Applications			
Online service index (0-1, 1=highest presence)	0.36	0.23	0.32
Secure Internet servers (per million people)	0.1	0.5	
Secure internet servers (per million people)	0.1	0.5	4.

Tajikistan

Europe & Central Asia

Low income

	Countr	y data	Low- income group
	2005	2012	2012
Economic and social context			
Population (millions)	7	8	846
Urban population (% of total)	26	27	28
GNI per capita, World Bank Atlas method (\$)	320	880	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	10.1	6.7	5.9
Adult literacy rate (% ages 15 and older)	99	100	
Gross primary, secondary, tertiary school enrollment (%)	69	69	60
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9		5.0
Telecommunications investment (% of revenue)	71.4		
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	4.1	4.9	1.0
Mobile-cellular telephone subscriptions (per 100 people)	3.9	81.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	0.1	0.2
Households with a computer (%)	1.0a	4.1	a 4.2
Households with Internet access at home (%)	0.3	3.6	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	7.3		70.1
Individuals using the Internet (%)	0.3	14.5	a 6.2
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)	2.2		30.9
International Internet bandwidth (bit/s per Internet user)	98		9,141
Affordability			
Fixed-telephone sub-basket (\$ a month)		0.9	8.9
Mobile-cellular sub-basket (\$ a month)		8.5	11.9
Fixed-broadband sub-basket (\$ a month)		362.5	46.9
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
	19.2	40.7	
ICT service exports (% of total service exports)			
ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence)	0.32	0.24 1.2	0.20

Tanzania

Sub-Saharan Africa Low income

	Country	y data	Low- income group
	2005	2012	2012
Economic and social context			
Population (millions)	39	48	846
Urban population (% of total)	24	27	28
GNI per capita, World Bank Atlas method (\$)	380	570	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	7.1	6.8	5.9
Adult literacy rate (% ages 15 and older)	69	68	61
Gross primary, secondary, tertiary school enrollment (%)		56	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	М	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			5.0
Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.4	0.4	1.0
Mobile-cellular telephone subscriptions (per 100 people)	7.6	57.0	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	2.1a	3.2	a 4.2
Households with Internet access at home (%)	0.5a	3.3	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	3.2	0.5	
Domestic mobile traffic (minutes/subscription/month)	7.1	51.5	70.1
Individuals using the Internet (%)	1.1ª	4.0	a 6.2
Quality Population covered by a mobile-cellular network (%)	45	95	
Fixed (wired)-broadband subscriptions (% of total Internet)	1.6		20.0
International Internet bandwidth (bit/s per Internet user)	234	3,974	
Affordability	254	3,314	3,141
Fixed-telephone sub-basket (\$ a month)		8.9	8.9
Mobile-cellular sub-basket (\$ a month)		7.7	
Fixed-broadband sub-basket (\$ a month)		19.1	
Trade		19.1	40.9
ICT goods exports (% of total goods exports)	0.3	0.1	
ICT goods imports (% of total goods imports)	5.8	3.6	
ICT service exports (% of total service exports)	10.1	13.3	
Applications	10.1	13.3	
Online service index (0-1, 1=highest presence)	0.29	0.35	0.20
Secure Internet servers (per million people)	0.29	1.1	
ocourt internet servers (her minion heahie)	0.1	1.1	1.1

Thailand

	Upper m	iddle i	ncome
			Upper middle- income
	Countr		group
	2005	2012	2012
Economic and social context	66	67	0.001
Population (millions) Urban population (% of total)	32	34	-,
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,600	5,210	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.5	3,210	,
Adult literacy rate (% ages 15 and older)	94	0.0	
Gross primary, secondary, tertiary school enrollment (%)	72	76	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allower	d) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.3	2.5
Telecommunications investment (% of revenue)	10.0	23.5	18.2
Sector performance			
Access			
Access Fixed-telephone subscriptions (per 100 people)	10.7	9.5	19.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	46.5	127.3	92.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	46.5 0.8	127.3 8.2	92. ⁴ 10.8
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	46.5 0.8 15.5	127.3 8.2 26.9	92.4 10.8 40.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	46.5 0.8	127.3 8.2	92.4 10.8 40.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	46.5 0.8 15.5	127.3 8.2 26.9 18.4	92.4 10.8 40.6 36.3
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	46.5 0.8 15.5	127.3 8.2 26.9 18.4	92.4 10.8 40.6 36.3
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	46.5 0.8 15.5 7.2ª	127.3 8.2 26.9 18.4 1.8 38.0	92.4 10.8 40.6 36.3 1.3 284.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	46.5 0.8 15.5 7.2 ^a	127.3 8.2 26.9 18.4	92.4 10.8 40.6 36.3 1.3 284.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	46.5 0.8 15.5 7.2 ^a 	127.3 8.2 26.9 18.4 1.8 38.0 26.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	46.5 0.8 15.5 7.2 ^a 15.0	127.3 8.2 26.9 18.4 1.8 38.0 26.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	46.5 0.8 15.5 7.2a 15.0 26 99.6	127.3 8.2 26.9 18.4 1.8 38.0 26.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	46.5 0.8 15.5 7.2 ^a 15.0	127.3 8.2 26.9 18.4 1.8 38.0 26.5	92.4 10.8 40.6 36.3 1.3 284.4 41.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	46.5 0.8 15.5 7.2 ^a 15.0 26 99.6 691	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649	92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.8
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	46.5 0.8 15.5 7.2 ^a 15.0 26 99.6 691	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649	92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	46.5 0.8 15.5 7.2° 15.0 26 99.6 691	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649 6.2 10.6	92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.8 14,580
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	46.5 0.8 15.5 7.2 ^a 15.0 26 99.6 691	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649	92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.8 14,580
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Wasge Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	46.5 0.8 15.5 7.2° 15.0 26 99.6 691	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649 6.2 10.6 20.7	92.4 10.8 40.6 36.3 284.4 41.6 99 95.8 14,580 9.4 14.8
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	46.5 0.8 15.5 7.2° 15.0 26 99.6 691	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649 6.2 10.6 20.7	92.4 10.8 40.6 36.3 284.4 41.6 99 95.8 14,580 9.4 17.8
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	46.5 0.8 15.5 7.2° 15.0 26 99.6 691 	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649 6.2 10.6 20.7	92.4 10.8 40.6 36.3 1.3 284.4 41.6 9.9 55.8 14,580 9.4 17.8
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	46.5 0.8 15.5 7.2° 15.0 26 99.6 691	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649 6.2 10.6 20.7	92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580 9.4 14.5 17.8
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	46.5 0.8 15.5 7.2° 15.0 26 99.6 691 	127.3 8.2 26.9 18.4 1.8 38.0 26.5 100 94.4 26,649 6.2 10.6 20.7	92.4 10.8 40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8 17.8

Timor-Leste

East Asia & Pacific L	Lower middle income		
			Lower middle- income group
	2005	2012	2012
Economic and social context Population (millions)	1	1	2.507
Urban population (% of total)	26	29	39
GNI per capita, World Bank Atlas method (\$)	890	3,620	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	1.0	9.8	
Adult literacy rate (% ages 15 and older)	51	58	71
Gross primary, secondary, tertiary school enrollment (%)	66	72	64
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	3.6 16.9	6.0 28.6	
• • •			
Telecommunications investment (% of revenue)			
Telecommunications investment (% of revenue) Sector performance			20.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	16.9	28.6 0.3 55.7	20.5 5.4 83.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.2	0.3	5.4 83.1 1.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.2 3.3	28.6 0.3 55.7	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.2 3.3 0.0	0.3 55.7 0.1	5.4 83.1 1.4 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.2 3.3 0.0 	0.3 55.7 0.1	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.2 3.3 0.0 	0.3 55.7 0.1	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.2 3.3 0.0 20.0 70.6	28.6 0.3 55.7 0.1 	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.2 3.3 0.0 	0.3 55.7 0.1	5.4 83.1 1.4 15.0 12.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.2 3.3 0.0 20.0 70.6 0.1	28.6 0.3 55.7 0.1 36.8 0.9	5.4 83.1 1.4 15.0 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.2 3.3 0.0 20.0 70.6 0.1	28.6 0.3 55.7 0.1 36.8 0.9	20.8 5.4 83.1 1.4 15.0 12.4 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.2 3.3 0.0 20.0 70.6 0.1 50 3.4	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5	20.8 5.4 83.1 15.0 12.4 6.8 18.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.2 3.3 0.0 20.0 70.6 0.1	28.6 0.3 55.7 0.1 36.8 0.9	5.4 83.1 1.4 15.0 12.4 6.5 18.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.2 3.3 0.0 20.0 70.6 0.1 50 3.4 5,071	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5 17,467	20.5 5.4 83.1 15.0 12.4 6.5 18.7 86 58.2 8,076
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.2 3.3 0.0 20.0 70.6 0.1 50 3.4	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5	20.5 5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.2 3.3 0.0 20.0 70.6 0.1 50 3.4 5,071	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5 17,467 20.8	20.5 83.1 1.2 15.0 12.4 6.5 8.0 58.2 8,076 4.5 10.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	16.9 0.2 3.3 0.0 20.0 70.6 0.1 50 3.4 5,071	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5 17,467 20.8 16.3	20.5 83.1 1.2 15.0 12.4 6.5 8.0 58.2 8,076 4.5 10.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	16.9 0.2 3.3 0.0 20.0 70.6 0.1 50 3.4 5,071	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5 17,467 20.8 16.3	20.5 83.1 1.4 15.0 12.4 6.5 8.2 8,076 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	0.2 3.3 0.0 20.0 70.6 0.1 50 3.4 5,071	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5 17,467 20.8 16.3 99.0	20.5 83.1 1.2 15.0 12.2 6.5 8.0 76 4.9 10.5 20.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.2 3.3 0.0 20.0 70.6 0.1 50 3.4 5,071 	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5 17,467 20.8 16.3 99.0	20.5 5.4 83.1 15.0 12.4 6.5 8.0 58.2 8,076 4.9 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.2 3.3 0.0 20.0 70.6 0.1 50 3.4 5,071 	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5 17,467 20.8 16.3 99.0	20.5 5.4 83.1 1.4 1.5.0 12.4 6.5 8.0 7.2 10.5 20.6 4.6 7.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	0.2 3.3 0.0 20.0 70.6 0.1 50 3.4 5,071 	28.6 0.3 55.7 0.1 36.8 0.9 92 51.5 17,467 20.8 16.3 99.0	20.5 5.4 83.1 1.4 15.0 12.4 6.5 86.5 8.076 4.9 10.5



Low-

Sub-Saharan	Africa	Low	income

	Countr	y data	income
•	2005	2012	group 2012
Economic and social context			
Population (millions)	6	7	846
Urban population (% of total)	35	39	28
GNI per capita, World Bank Atlas method (\$)	370	500	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.5	3.6	5.9
Adult literacy rate (% ages 15 and older)	57	60	61
Gross primary, secondary, tertiary school enrollment (%)	61	73	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	P	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	9.2	
Telecommunications investment (% of revenue)	34.7	23.6	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	1.1	0.9	1.0
Mobile-cellular telephone subscriptions (per 100 people)	7.8	49.9	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	1.0	2.3	4.2
Households with Internet access at home (%)		1.4	3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	22.5	7.6	
Domestic mobile traffic (minutes/subscription/month)	22.0	29.4	
Individuals using the Internet (%) Quality	1.8ª	4.0	a 6.2
Population covered by a mobile-cellular network (%)	85	91	
Fixed (wired)-broadband subscriptions (% of total Internet)	1.9	16.9	30.9
International Internet bandwidth (bit/s per Internet user)	143	5,224	9,141
Affordability			
Fixed-telephone sub-basket (\$ a month)		10.5	
Mobile-cellular sub-basket (\$ a month)		17.8	
Fixed-broadband sub-basket (\$ a month)		47.2	46.9
Trade	0.1	0.0	
ICT goods exports (% of total goods exports)	0.1	0.0	
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	3.9 23.8	1.9 23.2	
Applications	23.8	23.2	
Online service index (0-1, 1=highest presence)	0.22	0.14	0.20
Secure Internet servers (per million people)	0.22	3.1	
ocoure internet servers (per minion people)	U. 4	3.1	1.1

Tonga

East Asia & Pacific U	pper m	ICOIIIC			
			Upper middle- income		
	Countr	Country data		ountry data	
	2005	2012	2012		
Economic and social context					
Population (millions)	0.10	0.10	2,391		
Urban population (% of total)	23	24	61		
GNI per capita, World Bank Atlas method (\$)	2,550	4,220	6,969		
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.4	1.1	6.2		
Adult literacy rate (% ages 15 and older)	99		94		
Gross primary, secondary, tertiary school enrollment (%)	88		76		
Sector structure					
Separate telecommunications/ICT regulator	No	No			
Status of main fixed-line telephone operator	Public	Public			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)		С			
Mobile telephone service		С			
Internet service	Р	С			
Foreign ownership (not allowed, restricted, allowed)		Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	С			
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	**				
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)					
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance		28.6	18.2		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	13.6 29.6	28.6 53.4	18.2 19.4 92.4		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	13.6	28.6 53.4 1.4	19.4 92.4 10.8		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Irixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	13.6 29.6	28.6 53.4 1.4 15.5	19.4 92.4 10.8 40.6		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	13.6 29.6 0.6	28.6 53.4 1.4	19.4 92.4 10.8 40.6		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	13.6 29.6 0.6 	28.6 53.4 1.4 15.5 12.0	19.4 92.4 10.8 40.6 36.3		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	13.6 29.6 0.6	28.6 53.4 1.4 15.5 12.0	19.4 92.4 10.8 40.6 36.3		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	13.6 29.6 0.6 	28.6 53.4 1.4 15.5 12.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	13.6 29.6 0.6 	28.6 53.4 1.4 15.5 12.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	13.6 29.6 0.6 	28.6 53.4 1.4 15.5 12.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	13.6 29.6 0.6 4.9 ^a	28.6 53.4 1.4 15.5 ⁶ 12.0 ⁶ 34.9 ⁶	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	13.6 29.6 0.6 4.9 ^a 70 37.0	28.6 53.4 1.4 15.5; 12.0; 34.9;	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	13.6 29.6 0.6 4.9 ^a	28.6 53.4 1.4 15.5 ⁶ 12.0 ⁶ 34.9 ⁶	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	13.6 29.6 0.6 4.9 ^a 70 37.0	28.6 53.4 1.4 15.5; 12.0; 34.9;	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	13.6 29.6 0.6 4.9 ^a 70 37.0 404	28.6 53.4 1.4 15.5 12.0 34.9 16.2 2,733	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	13.6 29.6 0.6 4.9 ^a 70 37.0 404	28.6 53.4 1.4 15.5 12.0 34.9 16.2 2,733	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	13.6 29.6 0.6 4.9 ^a 70 37.0 404	28.6 53.4 1.4 15.5 12.0 34.9 16.2 2,733 6.4 11.0	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	13.6 29.6 0.6 4.9 ^a 70 37.0 404	28.6 53.4 1.4 15.5 12.0 34.9 16.2 2,733 6.4 11.0	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 99.95.5 14,580 9.4		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	13.6 29.6 0.6 4.9 ^a 70 37.0 404	28.6 53.4 1.4 15.5 ⁵ 12.0 ⁶ 34.9 ⁶ 16.2 2,733 6.4 11.0 62.3	19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 99.95.5 14,580 9.4 14.9		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Hixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	13.6 29.6 0.6 4.9 ^a 70 37.0 404 	28.6 53.4 1.4 15.5 ³ 12.0 ³ 34.9 ⁴ 16.2 2,733 6.4 11.0 62.3	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580 17.8 17.6 14.7		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	13.6 29.6 0.6 4.9 ^a 70 37.0 404 	28.6 53.4 1.4 15.5 12.0 34.9 16.2 2,733 6.4 11.0 62.3 1.1 3.8	36.3 1.3 284.4 41.6 99 95.5		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	13.6 29.6 0.6 4.9 ^a 70 37.0 404 	28.6 53.4 1.4 15.5 12.0 34.9 16.2 2,733 6.4 11.0 62.3 1.1 3.8	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 99 95.5 14,580 9.4 14.9 17.8 17.6 14.7		

Trinidad and Tobago

	Country	Country data		Country data		Country data	
	2005	2012	group 2012				
Economic and social context							
Population (millions)	1	1	1,300				
Urban population (% of total)	12	14	80				
GNI per capita, World Bank Atlas method (\$)	11,060	14,710	38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)	8.7	1.4	1.0				
Adult literacy rate (% ages 15 and older)	98	99					
Gross primary, secondary, tertiary school enrollment (%)	67		93				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line telephone operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	M						
Mobile telephone service	M	Р					
Internet service	С	Р					
Foreign ownership (not allowed, restricted, allowed)	Α	Α					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	2.4	2.9	2.7				
Telecommunications investment (% of revenue)		8.7	17.6				
Sector performance Access							
Fixed-telephone subscriptions (per 100 people)	24.9	21.4	43.6				
Mobile-cellular telephone subscriptions (per 100 people)	71.3	140.8					
Fixed (wired)-broadband subscriptions (per 100 people)	0.8	13.8	26.2				
Households with a computer (%)	31.0	61.0					
Households with Internet access at home (%)	17.0	40.0	75.5				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)	27.0	19.6					
Domestic mobile traffic (minutes/subscription/month)	272.8	205.7	113.6				
Individuals using the Internet (%) Quality	29.0a	59.5	75.4				
Population covered by a mobile-cellular network (%)	100	100	100				
Fixed (wired)-broadband subscriptions (% of total Internet)	16.6	99.1	95.9				
International Internet bandwidth (bit/s per Internet user)	1,304	18,442	85,990				
Affordability Fixed-telephone sub-basket (\$ a month)		15.6	25.2				
·		15.0	20.6				
Mobile-cellular sub-basket (\$ a month)		12.3	20.6				
Fixed-broadband sub-basket (\$ a month) Trade		12.3	29.2				
	0.2	0.1	8.9				
ICT goods exports (% of total goods exports)							
ICT goods imports (% of total goods imports)	4.0	3.1	10.8				
ICT service exports (% of total service exports) Applications	8.9	85.3	30.8				
Online service index (0-1, 1=highest presence)	0.53	0.48	0.67				
Secure Internet servers (per million people)	21.6	93.2	827.6				

Tunisia

	PP-0	oper middle inco		
			Upper middle-	
	Countr		income group	
	2005	2012	2012	
Economic and social context				
Population (millions)	10	11	2,391	
Urban population (% of total)	65	67	61	
GNI per capita, World Bank Atlas method (\$)	3,200	4,150	6,969	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.5	3.3	6.2	
Adult literacy rate (% ages 15 and older)	74	79	94	
Gross primary, secondary, tertiary school enrollment (%)	77	78	76	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		Р		
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)		R		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	Α		
Sector efficiency and capacity				
	2.0	2.0	2.5	
Telecommunications revenue (% of GDP)	3.8	3.9		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	3.8 21.7	3.9 18.2	18.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)			18.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	21.7	18.2	18.2 19.4 92.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	21.7 12.5 56.5	18.2 10.2 118.1	19.4 92.4 10.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.5 56.5 0.2	10.2 118.1 4.9	19.4 92.4 10.8 40.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.5 56.5 0.2 7.2	10.2 118.1 4.9 22.8	19.4 92.4 10.8 40.6 36.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.5 56.5 0.2 7.2 2.1	10.2 118.1 4.9 22.8 ³ 20.6 ³	19.4 92.4 10.8 40.6 36.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.5 56.5 0.2 7.2 2.1	10.2 118.1 4.9 22.8 ⁶ 20.6 ⁶	19.4 92.4 10.8 40.6 36.3 1.3 284.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.5 56.5 0.2 7.2 2.1 7.1 35.5	10.2 118.1 4.9 22.8 ² 20.6 ³ 9.3 136.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.5 56.5 0.2 7.2 2.1 7.1 35.5	10.2 118.1 4.9 22.8 ² 20.6 ³ 9.3 136.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.5 56.5 0.2 7.2 2.1 7.1 35.5 9.7	10.2 118.1 4.9 22.8 ³ 20.6 ³ 9.3 136.7 41.4 ⁴	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.5 56.5 0.2 7.2 2.1 7.1 35.5 9.7	10.2 118.1 4.9 22.8 ² 20.6 ² 9.3 136.7 41.4 ²	19.4 92.4 10.8 40.0 284.4 41.0 99	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.5 56.5 0.2 7.2 2.1 7.1 35.5 9.7 98 11.7	18.2 10.2 118.1 4.9 22.8 ³ 20.6 ³ 9.3 136.7 41.4 ⁴ 99 96.3	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	21.7 12.5 56.5 0.2 2.1 7.1 35.5 9.7 98 11.7 773	18.2 10.2 118.1 4.9 22.8 ² 20.6 ² 9.3 136.7 41.4 ⁴ 99 96.3 18,745	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 95.5 14,580	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	21.7 12.5 56.5 0.2 7.2 2.1 7.1 35.5 9.7 98 11.7 773	18.2 10.2 118.1 4.9 22.8* 20.6* 9.3 136.7 41.4* 99 96.3 18,745 6.0	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 9.5 14,580	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	21.7 12.5 56.5 0.2 7.2 2.1 7.1 35.5 9.7 98 11.7 773	18.2 10.2 118.1 4.9 22.8* 20.6* 9.3 136.7 41.4* 99 96.3 18,745 6.0 10.6	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6 9.5 14,580	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	21.7 12.5 56.5 0.2 7.2 2.1 7.1 35.5 9.7 98 11.7 773	18.2 10.2 118.1 4.9 22.8* 20.6* 9.3 136.7 41.4* 99 96.3 18,745 6.0 10.6	19.4 92.4 10.8 14.0 1.3 284.4 41.6 99.9 95.1 14,580 14.5 17.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	21.7 12.5 56.5 0.2 7.2 2.1 7.1 35.5 9.7 98 11.7 773	18.2 10.2 118.1 4.9 22.8 ^a 20.6 ^a 9.3 136.7 41.4 ^a 99 96.3 18,745 6.0 10.6 7.0	19.2.10.2.10.2.10.2.10.2.10.2.10.2.10.2.	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	21.7 12.5 56.5 0.2 7.2 2.1 7.1 35.5 9.7 98 11.7 773	18.2 10.2 118.1 4.9 22.8 ³ 20.6 ³ 9.3 136.7 41.4 ⁴ 99 96.3 18,745 6.0 10.6 7.0	19.4 92.4 10.8 10.8 36.3 284.4 41.6 99.9 14.58(9.4 17.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	21.7 12.5 56.5 0.2 2.1 7.1 35.5 9.7 98 11.7 773 2.0 4.6	18.2 10.2 118.1 4.9 22.8 ³ 20.6 ³ 9.3 136.7 41.4 ⁴ 99 96.3 18,745 6.0 7.0 7.4 6.6	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580 17.8 17.6 14.7	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	21.7 12.5 56.5 0.2 2.1 7.1 35.5 9.7 98 11.7 773 2.0 4.6	18.2 10.2 118.1 4.9 22.8 ³ 20.6 ³ 9.3 136.7 41.4 ⁴ 99 96.3 18,745 6.0 7.0 7.4 6.6	19.4 92.4 10.8 40.6 36.3 1.3 284.4	

Turkey

Europe & Central Asia	Jpper m	niddle i	ncome
	Count	Country data	
	2005	2012	group 2012
Economic and social context			
Population (millions)	68	74	2,391
Urban population (% of total)	67	72	,
GNI per capita, World Bank Atlas method (\$)	6,520	10,830	6,969
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.2	3.4	6.2
Adult literacy rate (% ages 15 and older)	88	94	94
Gross primary, secondary, tertiary school enrollment (%)	74	85	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C		
Mobile telephone service	Р		
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed	l) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.1	
Telecommunications investment (% of revenue)	11.0	19.0	18.2
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	28.0	18.7	19.4
Mobile-cellular telephone subscriptions (per 100 people)	64.4	91.5	
Fixed (wired)-broadband subscriptions (per 100 people)	2.3	10.6	
Households with a computer (%)	12.0	50.2	
Households with Internet access at home (%)	7.7	47.2	
Usage		11.2	00.0
Int'l. voice traffic, total (minutes/subscription/month)	3.9	5.6	1.3
Domestic mobile traffic (minutes/subscription/month)	68.3	209.0	284.4
Individuals using the Internet (%) Quality	15.5	45.1	41.6
Population covered by a mobile-cellular network (%)	96	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	70.6	99.2	
International Internet bandwidth (bit/s per Internet user)	2,788	40,629	
Affordability	_,	,	- 1,000
Fixed-telephone sub-basket (\$ a month)		13.7	9.4
Mobile-cellular sub-basket (\$ a month)		31.4	
Fixed-broadband sub-basket (\$ a month) Trade		12.5	17.8
ICT goods exports (% of total goods exports)	4.4	1.7	17.6
ICT goods imports (% of total goods imports)	6.1	4.2	14.7
ICT service exports (% of total service exports) Applications	2.2	1.6	29.1
Online service index (0-1, 1=highest presence)	0.48	0.46	0.42
Secure Internet servers (per million people)	18.1	50.4	
(por million pooplo)	10.1	50.4	10.0

Turkmenistan

	Upper m	pper middle incor		
	Countr		Upper middle- income	
	2005	2012	group 2012	
Economic and social context				
Population (millions)	5	5	2,391	
Urban population (% of total)	47	49	61	
GNI per capita, World Bank Atlas method (\$)	1,600	5,410	6,969	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.5	10.9	6.2	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)		100	9 ² 76	
dross primary, secondary, tertainy serious emoliment (%)			- / (
Sector structure				
Separate telecommunications/ICT regulator	No	No Dublic		
Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly)	Public	Public		
International gateway(s)				
Mobile telephone service	 C	 C		
Internet service				
Foreign ownership (not allowed, restricted, allowed)				
Reg. treatment of VoIP (banned, closed, no framework, allowe		В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	1.5		2.	
Telecommunications investment (% of revenue)			18.2	
Sector performance Access				
Fixed-telephone subscriptions (per 100 people)	8.4	11.1	19.4	
Mobile-cellular telephone subscriptions (per 100 people)	2.2	76.4	92.4	
Fixed (wired)-broadband subscriptions (per 100 people)				
		0.0	10.	
	1.9 ^a	0.0 13.7		
Households with a computer (%) Households with Internet access at home (%)			40.	
Households with a computer (%) Households with Internet access at home (%) Usage	1.9a	13.7	40.0 36.3	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.9 ^a 0.9 ^a	13.7ª 6.7ª	40.0 36.3	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.9 ^a 0.9 ^a	13.7° 6.7°	40.0 36.3 1.3 284.4	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.9 ^a 0.9 ^a 1.0 ^a	13.7° 6.7° 	40.0 36.3 1.3 284.4 41.0	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.9 ^a 0.9 ^a 	13.7° 6.7° 	40.0 36.3 1.3 284.4 41.0	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.9a 0.9a 1.0a 14	13.7° 6.7° 7.2°	40.4 36.3 1.3 284.4 41.0 99	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.9a 0.9a 1.0a	13.7° 6.7° 7.2°	40.4 36.3 1.3 284.4 41.0 99	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.9a 0.9a 1.0a 14	13.7° 6.7° 7.2°	1.36.3 1.36.3 284.4 41.0 99.95.1	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.9 ^a 0.9 ^a 1.0 ^a 14 1,605	13.7° 6.7° 7.2° 1,075	40.6 36.3 1.3 284.4 41.6 95.8 14,586	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.9 ^a 0.9 ^a 1.0 ^a 14 1,605	13.7¢ 6.7¢ 7.2¢ 1,075	40.6 36.3 1.3 284.4 41.6 9.9 95.8 14,580 9.4	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.9 ^a 0.9 ^a 1.0 ^a 14 1,605	13.7¢ 6.7° 7.2¢ 1,075	40.6 36.3 1.3 284.4 41.6 9.9 95.8 14,580 9.4	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.9 ^a 0.9 ^a 1.0 ^a 14 1,605	13.7¢ 6.7° 7.2¢ 1,075	40.4 36.3 284.4 41.6 99.95.1 14,586 9.4 17.6	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.9 ^a 0.9 ^a 1.0 ^a 14 1,605	13.7¢ 6.7° 7.2¢ 1,075	40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 17.8	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.9 ^a 0.9 ^a 1.0 ^a 14 1,605	13.7¢ 6.7¢ 7.2¢ 1,075	9. 40.4 1.3 284.4 41.4 9. 95.1 14,586 9.4 17.6 17.6	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	1.9 ^a 0.9 ^a 1.0 ^a 14 1,605	13.7¢ 6.7¢ 7.2¢ 1,075	36.3 1.3 284.4 41.6 9.9 95.5 14,580 17.8 17.8 17.6 14.1	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.9 ^a 0.9 ^a 1.0 ^a 14 1,605	13.7¢ 6.7¢ 7.2¢ 1,075	40.6 36.3 1.3 284.4 41.6 99 95.5 14,580 9.4 17.8	

Turks and Caicos Islands

	Countr	Country data		Country data i		Country data i	
-	2005	2012	group 2012				
Economic and social context							
Population (millions)	0.03	0.03	1,300				
Urban population (% of total)	90	94	80				
GNI per capita, World Bank Atlas method (\$)			38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0				
Adult literacy rate (% ages 15 and older)							
Gross primary, secondary, tertiary school enrollment (%)			93				
Sector structure							
Separate telecommunications/ICT regulator							
Status of main fixed-line telephone operator							
Level of competition (competition, partial comp., monopoly)							
International gateway(s)							
Mobile telephone service							
Internet service							
Foreign ownership (not allowed, restricted, allowed)							
Reg. treatment of VoIP (banned, closed, no framework, allowed)							
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)			2.7				
Telecommunications investment (% of revenue)			17.6				
Sector performance							
Access Fixed-telephone subscriptions (per 100 people)			43.6				
Mobile-cellular telephone subscriptions (per 100 people)			122.9				
Fixed (wired)-broadband subscriptions (per 100 people)			26.2				
Households with a computer (%)			77.7				
Households with Internet access at home (%)			75.5				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)			113.6				
Individuals using the Internet (%)			75.4				
Quality							
Population covered by a mobile-cellular network (%)			100				
Fixed (wired)-broadband subscriptions (% of total Internet)			95.9				
International Internet bandwidth (bit/s per Internet user)			85,990				
Affordability							
Fixed-telephone sub-basket (\$ a month)			25.2				
Mobile-cellular sub-basket (\$ a month)			20.6				
Fixed-broadband sub-basket (\$ a month)			29.2				
Trade							
ICT goods exports (% of total goods exports)	4.0	1.9	8.9				
ICT goods imports (% of total goods imports)	4.6	3.0	10.8				
ICT service exports (% of total service exports)			30.8				
Applications							
Online service index (0-1, 1=highest presence)			0.67				
Secure Internet servers (per million people)		333.3	827.6				

Tuvalu

East Asia & Pacific L	pper III	per middle ii			per middle inco	
			Upper middle-			
	Countr	Country data				
	2005	2012	group 2012			
Economic and social context						
Population (millions)	0.01	0.01	2,391			
Urban population (% of total)	48	51	61			
GNI per capita, World Bank Atlas method (\$)	3,740	5,650	6,969			
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.2	2.3	6.2			
Adult literacy rate (% ages 15 and older)			94			
Gross primary, secondary, tertiary school enrollment (%)			76			
Sector structure						
Separate telecommunications/ICT regulator	No	No				
Status of main fixed-line telephone operator	Public	Public				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)						
Mobile telephone service	М					
Internet service	М	М				
Foreign ownership (not allowed, restricted, allowed)	R	R				
Reg. treatment of VoIP (banned, closed, no framework, allowed)						
Sector efficiency and capacity						
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.5 18.2			
Telecommunications revenue (% of GDP)						
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access			18.2			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance			18.2			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	9.2	14.7	19.4 92.4			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	9.2 13.4	14.7 28.4	19.4 92.4 10.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	9.2 13.4	14.7 28.4 5.6	19.4 92.4 10.8 40.6			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	9.2 13.4 1.5	14.7 28.4 5.6 23.4	19.4 92.4 10.8 40.6			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	9.2 13.4 1.5	14.7 28.4 5.6 23.4	19.4 92.4 10.8 4 40.6 3 36.3			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	9.2 13.4 1.5	14.7 28.4 5.6 23.4 19.7	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	9.2 13.4 1.5 	14.7 28.4 5.6 23.4 ⁴ 19.7 ⁴	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	9.2 13.4 1.5 2.9 10.0a	14.7 28.4 5.6 23.4 19.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	9.2 13.4 1.5 2.9 10.0°a	14.7 28.4 5.6 23.4 19.7	19.4 92.4 10.8 40.6 36.3 1.3 284.4 41.6			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	9.2 13.4 1.5 2.9 10.0°a	14.7 28.4 5.6 23.4 19.7 35.0	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 95.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	9.2 13.4 1.5 2.9 10.0°a	14.7 28.4 5.6 23.4 19.7 35.0	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 95.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073	14.7 28.4 5.6 23.4 19.7 35.0 	19.4 92.4 10.8 4 40.6 3 36.3 1.3 284.4 41.6 95.5 14,580			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073	14.7 28.4 5.6 23.4 19.7 35.0 1,159	19.4 92.4 10.8 40.6 3 36.3 1.3 284.4 41.6 99 95.5 14,580			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073	14.7 28.4 5.6 23.4 19.7 35.0 1,159	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073	14.7 28.4 5.6 23.4 19.7 35.0 1,159	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073	14.7 28.4 5.6 23.4 19.7 35.0 1,159	19.4 92.4 10.8 40.6 36.3 284.4 41.6 95.5 14,580 9.4 17.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073 	14.7 28.4 5.6 23.4 19.7 35.0 1,159	18.2 19.4 92.4 10.8 40.6 3 36.3 284.4 41.6 99.5 14,580 17.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports)	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073 	14.7 28.4 5.6 23.4 19.7 35.0 1,159	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 99. 95.5 14,580 17.8 17.6 14.7			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073 	14.7 28.4 5.6 23.4 19.7 35.0 1,159	18.2 19.4 92.4 10.8 40.6 36.3 284.4 41.6 99. 95.5 14,580 17.8 17.6 14.7			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports)	9.2 13.4 1.5 2.9 10.0 ^a 13 28.8 3,073 	14.7 28.4 5.6 23.4 19.7 35.0 1,159	19.4 92.4 10.8 40.6 36.3 1.3 284.4			

Uganda

Low-

Sub-Saharan Africa Low income

Economic and social context	2005		group
Feenemia and coolel contoxt	2005	2012	2012
Economic and Social Context			
Population (millions)	29	36	846
Urban population (% of total)	13	16	28
GNI per capita, World Bank Atlas method (\$)	290	480	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.9	7.3	5.9
Adult literacy rate (% ages 15 and older)	71	73	61
Gross primary, secondary, tertiary school enrollment (%)	64	67	60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	i
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	А	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	ı
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	3.7	
Telecommunications investment (% of revenue)	23.4	32.6	·
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.3	0.9	1.0
Mobile-cellular telephone subscriptions (per 100 people)	4.6	45.0	47.2
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	0.8a	4.0)a 4.2
Households with Internet access at home (%)	0.1a	4.2	a 3.4
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	119.4	61.3	70.1
Individuals using the Internet (%) Quality	1.7	14.7	′a 6.2
Population covered by a mobile-cellular network (%)	70	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	8.9	40.0	30.9
International Internet bandwidth (bit/s per Internet user) Affordability	121	4,670	9,141
Fixed-telephone sub-basket (\$ a month)		9.2	8.9
Mobile-cellular sub-basket (\$ a month)		9.0	
Fixed-broadband sub-basket (\$ a month)		14.0	
Trade			
ICT goods exports (% of total goods exports)	2.0	6.5	
ICT goods imports (% of total goods imports)	7.5	6.6	i
ICT service exports (% of total service exports)	13.4	14.1	
Applications			
Online service index (0–1, 1=highest presence)	0.31	0.29	0.20
Secure Internet servers (per million people)	0.0	1.2	1.1

Ukraine

Europe & Central Asia L		wer middle incor		
			Lower middle- income	
		Country data		
	2005	2012	2012	
Economic and social context	4.7	4.0	0.505	
Population (millions)	47	46	,	
Urban population (% of total) GNI per capita, <i>World Bank Atla</i> s method (\$)	68 1,540	69 3,500	39 1,893	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	8.0	0.5	6.0	
Adult literacy rate (% ages 15 and older)	99	100		
Gross primary, secondary, tertiary school enrollment (%)	88	94		
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		C		
Mobile telephone service	С	С		
Internet service		С		
Foreign ownership (not allowed, restricted, allowed)		A		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A		
Sector efficiency and capacity				
T-1	5.9	0.4	2.5	
Telecommunications revenue (% of GDP)	5.9	3.4	2.0	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	32.8	13.6		
Telecommunications investment (% of revenue) Sector performance			20.5	
Telecommunications investment (% of revenue) Sector performance Access	32.8	13.6	20.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	32.8	13.6	5.4 83.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	32.8 24.8 63.7	26.8 130.3	5.4 83.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	24.8 63.7 0.3	26.8 130.3 8.0	5.4 83.1 1.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	24.8 63.7 0.3 11.5	26.8 130.3 8.0 40.5	5.4 83.1 1.4 15.0 a 12.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	24.8 63.7 0.3 11.5	26.8 130.3 8.0 40.5	5.4 83.1 1.4 15.0 a 12.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	24.8 63.7 0.3 11.5 3.0	26.8 130.3 8.0 40.5 36.5	5.4 83.1 1.4 15.0 a 12.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	24.8 63.7 0.3 11.5 3.0	26.8 130.3 8.0 40.5 36.5	5.4 83.1 1.4 15.0 a 12.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	24.8 63.7 0.3 11.5 3.0 3.7	26.8 130.3 8.0 40.5 36.5	20.8 5.4 83.1 1.4 15.0 6.8 18.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	24.8 63.7 0.3 11.5 3.0 3.7	26.8 130.3 8.0 40.5 36.5 33.7	20.8 5.4 83.1 1.4 15.0 6.8 18.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	24.8 63.7 0.3 11.5 3.0 3.7 96 3.5	26.8 130.3 8.0 40.5 36.5 33.7	5.4 83.1 1.4 15.0 6.8 18.7 86 58.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	24.8 63.7 0.3 11.5 3.0 3.7	26.8 130.3 8.0 40.5 36.5 33.7	5.4 83.1 1.4 15.0 6.8 18.7 86 58.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	24.8 63.7 0.3 11.5 3.0 3.7 96 3.5 461	13.6 26.8 130.3 8.0 40.5 36.5 33.7 100 72.0 14,143	5.4 83.1 1.4 15.0 6.8 18.7 86 58.2 8,076	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	32.8 24.8 63.7 0.3 11.5 3.0 3.7 96 3.5 461	13.6 26.8 130.3 8.0 40.5 36.5 33.7 100 72.0 14,143 3.7	20.5 5.2 83.1 15.0 6.5 18.7 86 58.2 8,076 4.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	32.8 24.8 63.7 0.3 11.5 3.0 3.7 96 3.5 461	13.6 26.8 130.3 8.0 40.5 36.5 33.7 100 72.0 14,143 3.7 7.8	20.8 5.4 83.1 15.0 6.8 18.3 86 58.2 8,076 4.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	32.8 24.8 63.7 0.3 11.5 3.0 3.7 96 3.5 461	13.6 26.8 130.3 8.0 40.5 36.5 33.7 100 72.0 14,143 3.7	20.8 5.4 83.1 15.0 6.8 18.3 86 58.2 8,076 4.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.8 24.8 63.7 0.3 11.5 3.0 3.7 96 3.5 461	13.6 26.8 130.3 8.0 40.5 36.5 33.7 100 72.0 14,143 3.7 7.8	20.8 5.4 83.1 15.0 6.5 18.7 86 58.2 8,076 4.9 10.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.8 24.8 63.7 0.3 11.5 3.0 3.7 96 3.5 461	13.6 26.8 130.3 8.0 40.5 36.5 33.7 100 72.0 14,143 3.7 7.8	20.8 5.4 83.1 15.0 6.8 18.7 86 58.2 8,076 4.9 20.6	
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Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	32.8 24.8 63.7 0.3 11.5 3.0 3.7 96 3.5 461 0.5 4.0	13.6 26.8 130.3 8.0 40.5 36.5 33.7 100 72.0 14,143 3.7 7.8 7.5	20.8 5.4 83.1 15.0 6.9 18.7 86 58.2 8,076 4.9 20.6 4.6 7.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	32.8 24.8 63.7 0.3 11.5 3.0 3.7 96 3.5 461 0.5 4.0	13.6 26.8 130.3 8.0 40.5 36.5 33.7 100 72.0 14,143 3.7 7.8 7.5	20.5 5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1	

United Arab Emirates

	Country	Country data		Country data		Country data	High- income group
•	2005	2012	2012				
Economic and social context							
Population (millions)	4	9	1,300				
Urban population (% of total)	82	85	80				
GNI per capita, World Bank Atlas method (\$)	41,470	38,620	38,412				
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.8	2.1	1.0				
Adult literacy rate (% ages 15 and older)	90						
Gross primary, secondary, tertiary school enrollment (%)			93				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line telephone operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	Р	P					
Mobile telephone service	Р	P					
Internet service	Р	P					
Foreign ownership (not allowed, restricted, allowed)		R					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	1.9	2.0	2.7				
Telecommunications investment (% of revenue)	9.8	22.6	17.6				
Sector performance Access							
Fixed-telephone subscriptions (per 100 people)	29.8	21.4	43.6				
Mobile-cellular telephone subscriptions (per 100 people)	109.3	149.6					
Fixed (wired)-broadband subscriptions (per 100 people)	3.1	10.3	26.2				
Households with a computer (%)	36.5a	85.0					
Households with Internet access at home (%)	30.4ª	72.0					
Usage	30.4	12.0	15.5				
Int'l. voice traffic, total (minutes/subscription/month)		41.8					
Domestic mobile traffic (minutes/subscription/month)	••	110.4					
Individuals using the Internet (%)	40.0a	85.0	75.4				
Quality	40.0	65.0	13.4				
Population covered by a mobile-cellular network (%)	100	100	100				
Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	99.4	95.9				
International Internet bandwidth (bit/s per Internet user)	3,082	32,445					
Affordability	3,002	32,443	65,330				
Fixed-telephone sub-basket (\$ a month)		4.1	25.2				
Mobile-cellular sub-basket (\$ a month)		9.1	20.6				
Fixed-broadband sub-basket (\$ a month)		40.6	29.2				
Trade							
ICT goods exports (% of total goods exports)	4.3	2.0	8.9				
ICT goods imports (% of total goods imports)	8.1	4.5	10.8				
ICT service exports (% of total service exports)	0.1		30.8				
Applications		••	55.0				
Online service index (0-1, 1=highest presence)	0.63	0.86	0.67				
Secure Internet servers (per million people)	53.7	194.2	827.6				
mismocosi (por mimori poopio)	55.1	104.2	521.0				

United Kingdom

	Count	ry data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	60	64	1,300
Urban population (% of total)	79	80	80
GNI per capita, World Bank Atlas method (\$)	39,560	38,500	38,412
GDP growth, 2000–05 and 2005–12 (avg. annual %)	3.0	0.0	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	92	89	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С		
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	1.8	2.7
Telecommunications investment (% of revenue)		15.2	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	56.5	52.9	43.6
Mobile-cellular telephone subscriptions (per 100 people)	108.6	135.3	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	16.4	34.0	26.2
Households with a computer (%)	70.0	87.0	77.7
Households with Internet access at home (%)	60.2	88.6	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	87.6	123.0	113.6
Individuals using the Internet (%)	70.0	87.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	98.6	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	52,831	188,920	85,990
Fixed-telephone sub-basket (\$ a month)		36.2	25.2
Mobile-cellular sub-basket (\$ a month)		47.8	20.6
Fixed-broadband sub-basket (\$ a month)		20.8	29.2
Trade			
ICT goods exports (% of total goods exports)	14.0	4.2	8.9
ICT goods imports (% of total goods imports)	12.3	7.3	10.8
ICT service exports (% of total service exports)	37.6	39.0	30.8
Applications	0.70	0.67	0.07
Online service index (0-1, 1=highest presence)	0.79	0.97	0.67
Secure Internet servers (per million people)	464.8	1,200.3	827.6

United States

	Countr	y data	High- income group
•	2005	2012	2012
Economic and social context			
Population (millions)	296	314	1,300
Urban population (% of total)	81	83	80
GNI per capita, World Bank Atlas method (\$)	46,350	52,340	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	2.6	0.8	1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	93	97	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.4	2.7
Telecommunications investment (% of revenue)	18.7	14.0	17.6
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	58.7	44.4	43.6
Mobile-cellular telephone subscriptions (per 100 people)	68.3	95.4	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	17.2	28.3	26.2
Households with a computer (%)	67.1	79.3	
Households with Internet access at home (%)	58.1ª	75.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	20.1	18.5	
Domestic mobile traffic (minutes/subscription/month)		383.7	113.6
Individuals using the Internet (%)	68.0a	81.0	75.4
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	90.0	97.0	95.9
International Internet bandwidth (bit/s per Internet user) Affordability	7,185	61,938	85,990
Fixed-telephone sub-basket (\$ a month)		15.0	25.2
Mobile-cellular sub-basket (\$ a month)		35.6	20.6
Fixed-broadband sub-basket (\$ a month)		15.0	29.2
Trade			
ICT goods exports (% of total goods exports)	14.3	9.0	8.9
ICT goods imports (% of total goods imports)	13.7	12.8	10.8
ICT service exports (% of total service exports)	19.3	22.1	30.8
Applications			
Online service index (0-1, 1=highest presence)	0.86	1.00	0.67
Secure Internet servers (per million people)	785.2	1,304.0	827.6

Uruguay

	Country data		High- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	3	3	1,300
Urban population (% of total)	92	93	80
GNI per capita, World Bank Atlas method (\$)	4,720	13,580	38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)	0.0	5.8	1.0
Adult literacy rate (% ages 15 and older)	98	98	
Gross primary, secondary, tertiary school enrollment (%)	90	90	93
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	Р	
Foreign ownership (not allowed, restricted, allowed)	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.5	2.7
Telecommunications investment (% of revenue)	8.0	49.7	17.6
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	30.3	29.8	43.6
Mobile-cellular telephone subscriptions (per 100 people)	34.7	147.1	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	1.5	16.6	26.2
Households with a computer (%)	22.1	63.7	77.7
Households with Internet access at home (%)	13.5	48.4	75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	8.9	5.9	
Domestic mobile traffic (minutes/subscription/month)	28.1	97.0	113.6
Individuals using the Internet (%) Quality	20.1	55.1	75.4
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	100.0	95.9
International Internet bandwidth (bit/s per Internet user)	2,395	40,635	85,990
Affordability			
Fixed-telephone sub-basket (\$ a month)		12.0	25.2
Mobile-cellular sub-basket (\$ a month)		22.4	20.6
Fixed-broadband sub-basket (\$ a month) Trade		14.9	29.2
ICT goods exports (% of total goods exports)	0.1	0.1	8.9
ICT goods imports (% of total goods imports)	6.3	5.6	
ICT service exports (% of total service exports)	11.6	15.9	
Applications			
Online service index (0-1, 1=highest presence)	0.56	0.55	0.67
Secure Internet servers (per million people)	27.1	75.1	827.6

Uzbekistan

Europe & Central Asia	Lower m	iddle i	ncome
	Country data		Lower middle- income group
	2005	2012	2012
Economic and social context			
Population (millions)	26	30	2,507
Urban population (% of total)	37	36	39
GNI per capita, World Bank Atlas method (\$)	530	1,720	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	5.3	8.5	
Adult literacy rate (% ages 15 and older)	99	99	71
Gross primary, secondary, tertiary school enrollment (%)	75	70	64
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2		
Telecommunications investment (% of revenue)	31.7		20.5
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	6.9	6.9	5.4
Mobile-cellular telephone subscriptions (per 100 people)	2.8	71.0	
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.7	
Households with a computer (%)	1.0	8.0	
Households with Internet access at home (%)	0.9a	9.6	
Usage	0.0	0.0	12.1
Int'l. voice traffic, total (minutes/subscription/month)		22.1	6.5
Domestic mobile traffic (minutes/subscription/month)		154.3	
Individuals using the Internet (%)	3.3	36.5	
Quality	5.5	30.3	10.7
Population covered by a mobile-cellular network (%)	75	92	86
Fixed (wired)-broadband subscriptions (% of total Internet)	7.4	85.0	
rixen (wiren)-produpana subscriptions (% or total internet)	1.4	00.0	36.2

222

959 8,076

1.4 2.4

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4.9

10.5

20.6

4.6

7.2

47.1

0.32

164

0.41

0.0

International Internet bandwidth (bit/s per Internet user)

Fixed-telephone sub-basket (\$ a month)

Mobile-cellular sub-basket (\$ a month)
Fixed-broadband sub-basket (\$ a month)

ICT goods exports (% of total goods exports)

ICT goods imports (% of total goods imports)

ICT service exports (% of total service exports)

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)

Affordability

Applications

Vanuatu

East Asia & Pacific	Lower m	niddle i	ncome
	Countr	ry data	Lower middle- income
	2005	2012	group 2012
Economic and social context			
Population (millions)	0.21	0.25	2,50
Urban population (% of total)	23	25	39
GNI per capita, World Bank Atlas method (\$)	1,780	3,000	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	1.0	3.9	6.0
Adult literacy rate (% ages 15 and older)	78	83	7.
Gross primary, secondary, tertiary school enrollment (%)	64		64
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service		C	
Internet service		C	
Foreign ownership (not allowed, restricted, allowed)		R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	4.8	2.
Telecommunications investment (% of revenue)	20.0	24.6	20.
Sector performance Access Fixed-telephone subscriptions (per 100 people)	3.3	2.2	5.4
Mobile-cellular telephone subscriptions (per 100 people)	6.1	59.1	83.:
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.1	1.4
Households with a computer (%)	4.0	10.7	a 15.0
Households with Internet access at home (%)		3.5	12.4
Usage			6.5
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	 E 1	99.1 10.6	
Individuals using the Internet (%) Quality	5.1	10.0	10.
Population covered by a mobile-cellular network (%)	20	92	86
Fixed (wired)-broadband subscriptions (% of total Internet)	3.7	11.9	
International Internet bandwidth (bit/s per Internet user)	376	2,290	
Affordability	310	2,290	0,07
Fixed-telephone sub-basket (\$ a month)		40.4	4.9
Mobile-cellular sub-basket (\$ a month)		25.1	
Fixed-broadband sub-basket (\$ a month)		105.2	
Trade		100.2	20.0
ICT goods exports (% of total goods exports)	0.2	0.0	4.0
ICT goods imports (% of total goods imports)	2.8	3.1	
ICT service exports (% of total service exports)	6.5	2.0	
Applications	0.5	2.0	41
Online service index (0-1, 1=highest presence)	0.25	0.22	0.32
Secure Internet servers (per million people)	133.7	43.5	
ocours internet servers (per minion people)	100.7	73.3	4.5

	venezueia, kb
Latin America & Caribbean	Upper middle income

	Country data		Upper middle- income
	2005	2012	group 2012
Franciska and control control	2000		2012
Economic and social context	27	30	2.391
Population (millions)	92	94	2,391
Urban population (% of total) GNI per capita, <i>World Bank Atla</i> s method (\$)	4,920	12,460	
GDP growth, 2000–05 and 2005–12 (avg. annual %)	1.5	3.1	6.2
Adult literacy rate (% ages 15 and older)	95	96	
Gross primary, secondary, tertiary school enrollment (%)	76	89	76
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	2.9	2.5
Telecommunications investment (% of revenue)	27.5	14.7	18.2
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.7	25.5	
Mobile-cellular telephone subscriptions (per 100 people)	46.8	101.9	
Fixed (wired)-broadband subscriptions (per 100 people)	1.3	6.7	
Households with a computer (%)	10.3	20.2	
Households with Internet access at home (%)	2.5	20.2	a 36.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.3	3.8	
Domestic mobile traffic (minutes/subscription/month)	91.6	99.3	
Individuals using the Internet (%)	12.6	44.0	a 41.6
Quality	00		0.4
Population covered by a mobile-cellular network (%)	90		99
Fixed (wired)-broadband subscriptions (% of total Internet)	55.2	89.1	
International Internet bandwidth (bit/s per Internet user)	399	10,914	14,580
Affordability		4.7	0
Fixed-telephone sub-basket (\$ a month)		1.7	9.4
Mobile-cellular sub-basket (\$ a month)		14.9	
Fixed-broadband sub-basket (\$ a month) Trade		15.4	17.8
	0.0	0.0	17 (
ICT goods exports (% of total goods exports)	0.0	0.0 6.4	
ICT goods imports (% of total goods imports)	11.9		
ICT service exports (% of total service exports)	13.8	11.9	29.1
Applications	0.51	0.40	0.44
Online service index (0-1, 1=highest presence)	0.51	0.48	
Secure Internet servers (per million people)	4.6	11.1	18.5

Vietnam

East Asia & Pacific L	ower m	iddle i	ncome
			Lower middle-
	Country	y data	income group
	2005	2012	2012
Economic and social context			
Population (millions)	82	89	2,507
Urban population (% of total)	27	32	39
GNI per capita, World Bank Atlas method (\$)	680	1,550	1,893
GDP growth, 2000-05 and 2005-12 (avg. annual %)	6.9	6.1	6.0
Adult literacy rate (% ages 15 and older)	90	93	71
Gross primary, secondary, tertiary school enrollment (%)			64
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	6.5	2.5
Telecommunications investment (% of revenue)			20.5
Sector performance Access			
Access Fixed-telephone subscriptions (per 100 people)	10.0	11.2	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	11.3	147.7	83.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	11.3 0.2	147.7 4.9	83.1 1.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	11.3 0.2 6.3ª	147.7 4.9 17.5	83.1 1.4 15.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	11.3 0.2	147.7 4.9	83.1 1.4 15.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	11.3 0.2 6.3ª	147.7 4.9 17.5	83.1 1.4 15.0 12.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	11.3 0.2 6.3ª	147.7 4.9 17.5	83.1 1.4 15.0 12.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	11.3 0.2 6.3 ^a 1.5 ^a	147.7 4.9 17.5 15.6	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	11.3 0.2 6.3 ^a 1.5 ^a	147.7 4.9 17.5 15.6	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	11.3 0.2 6.3 ^a 1.5 ^a 	147.7 4.9 17.5 15.6	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	11.3 0.2 6.3 ^a 1.5 ^a 12.7	147.7 4.9 17.5 15.6 39.5	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	11.3 0.2 6.3 ^a 1.5 ^a 12.7	147.7 4.9 17.5 15.6 39.5	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	11.3 0.2 6.3 ^a 1.5 ^a 12.7	147.7 4.9 17.5 15.6 39.5	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	11.3 0.2 6.3 ^a 1.5 ^a 12.7	147.7 4.9 17.5 15.6 39.5 30.6 13,359	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	11.3 0.2 6.3 ^a 1.5 ^a 12.7	147.7 4.9 17.5 15.6 39.5 30.6 13,359	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	11.3 0.2 6.3a 1.5a 12.7 70 7.2 334	147.7 4.9 17.5 15.6 39.5 30.6 13,359 2.0 4.1	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	11.3 0.2 6.3a 1.5a 12.7 70 7.2 334	147.7 4.9 17.5 15.6 39.5 30.6 13,359	83.1 1.4 15.0 12.4 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	11.3 0.2 6.3a 1.5a 12.7 70 7.2 334	147.7 4.9 17.5 15.6 39.5 30.6 13,359 2.0 4.1 11.8	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	11.3 0.2 6.3a 1.5a 12.7 70 7.2 334	147.7 4.9 17.5 15.6 39.5 30.6 13,359 2.0 4.1 11.8	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	11.3 0.2 6.3a 1.5a 12.7 70 7.2 334	147.7 4.9 17.5 15.6 39.5 30.6 13,359 2.0 4.1 11.8	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	11.3 0.2 6.3a 1.5a 12.7 70 7.2 334	147.7 4.9 17.5 15.6 39.5 30.6 13,359 2.0 4.1 11.8	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	11.3 0.2 6.3 ^a 1.5 ^a 12.7 70 7.2 334	147.7 4.9 17.5 15.6 39.5 30.6 13,359 2.0 4.1 11.8 11.6 10.2	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	11.3 0.2 6.3 ^a 1.5 ^a 12.7 70 7.2 334	147.7 4.9 17.5 15.6 39.5 30.6 13,359 2.0 4.1 11.8 11.6 10.2	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2 47.1

Virgin Islands (U.S.)

	Country	y data	High- income group
	2005	2012	2012
Economic and social context			
Population (millions)	0.11	0.11	1,300
Urban population (% of total)	94	96	80
GNI per capita, World Bank Atlas method (\$)			38,412
GDP growth, 2000-05 and 2005-12 (avg. annual %)			1.0
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			93
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people)	66.5	71.3	43.6
Mobile-cellular telephone subscriptions (per 100 people)	74.5a	71.5	122.9
Fixed (wired)-broadband subscriptions (per 100 people)	2.8a	8.6	
Households with a computer (%)	2.0		77.7
Households with Internet access at home (%)			75.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			_
Domestic mobile traffic (minutes/subscription/month)			113.6
Individuals using the Internet (%)	27.3a	40.5	
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.9
International Internet bandwidth (bit/s per Internet user) Affordability	1,527		85,990
Fixed-telephone sub-basket (\$ a month)			25.2
Mobile-cellular sub-basket (\$ a month)			20.6
Fixed-broadband sub-basket (\$ a month)			29.2
Trade			20.2
ICT goods exports (% of total goods exports)			8.9
ICT goods imports (% of total goods imports)			10.8
ICT service exports (% of total service exports)			30.8
Applications			00.0
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	213.2	396.2	827.6
(Fig. 1996)			0

West Bank and Gaza

	Lower middle inco		ncome
	Country	Country data	
	2005	2012	group 2012
Francis and cold contact	2005	2012	2012
Economic and social context Population (millions)	3	4	2,507
Urban population (% of total)	73	75	2,307
GNI per capita, <i>World Bank Atla</i> s method (\$)	1,340		1,893
GDP growth, 2000–05 and 2005–12 (avg. annual %)	-0.9		6.0
Adult literacy rate (% ages 15 and older)	93	95	71
Gross primary, secondary, tertiary school enrollment (%)	79	77	64
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	l) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8		2.5
Telecommunications investment (% of revenue)	5.1		20.5
Sector performance	J.1		20.5
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	9.5	9.3	5.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	9.5 15.9		5.4 83.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	9.5 15.9 0.2	9.3 75.6	5.4 83.1 1.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	9.5 15.9 0.2 29.5 ^a	9.3 75.6 53.9	5.4 83.1 1.4 15.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	9.5 15.9 0.2	9.3 75.6	5.4 83.1 1.4 15.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	9.5 15.9 0.2 29.5 ^a	9.3 75.6 53.9	5.4 83.1 1.4 15.0 12.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	9.5 15.9 0.2 29.5 ^a	9.3 75.6 53.9	5.4 83.1 1.4 15.0 12.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	9.5 15.9 0.2 29.5 ^a 15.9	9.3 75.6 53.9 33.4	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	9.5 15.9 0.2 29.5 ^a 15.9	9.3 75.6 53.9 33.4	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	9.5 15.9 0.2 29.5 ^a 15.9 	9.3 75.6 53.9 33.4	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a	9.3 75.6 53.9 33.4	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6	9.3 75.6 53.9 33.4 	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a	9.3 75.6 53.9 33.4 	5.4 83.1 1.4 15.0 12.4 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6	9.3 75.6 53.9 33.4 	5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6 421	9.3 75.6 53.9 33.4 41.1	5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6 421	9.3 75.6 53.9 33.4 41.1 	5.4 83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	9.5 15.9 0.2 29.5° 15.9 16.0° 95 9.6 421	9.3 75.6 53.9 33.4 41.1 10,906	5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6 421 	9.3 75.6 53.9 33.4 41.1 10,906	5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6 421 	9.3 75.6 53.9 33.4 41.1 10,906 1.0 3.1	5.4 83.1 1.4 15.0 12.4 6.5 18.7 8.0 58.2 8,076 4.9 10.5 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6 421 	9.3 75.6 53.9 33.4 41.1 10,906	5.4 83.1 1.4 15.0 12.4 6.5 18.7 8.0 58.2 8,076 4.9 10.5 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6 421 	9.3 75.6 53.9 33.4 41.1 10,906 1.0 3.1	5.4 83.1 1.4 15.0 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	9.5 15.9 0.2 29.5 ^a 15.9 16.0 ^a 95 9.6 421 	9.3 75.6 53.9 33.4 41.1 10,906 1.0 3.1	83.1 1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 10.5 20.6

	remen, kep.
Middle East & North Africa	Lower middle income

			Lower middle- income	
	Country 2005	y data 2012	group	
Economic and social context				
Population (millions)	20	24	2,507	
Urban population (% of total)	29	33	,	
GNI per capita, World Bank Atlas method (\$)	700	1,270		
GDP growth, 2000–05 and 2005–12 (avg. annual %)	4.1	1.9	,	
Adult literacy rate (% ages 15 and older)	55	65		
Gross primary, secondary, tertiary school enrollment (%)	56	56		
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line telephone operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	Μ	М		
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)		No		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	1.2	3.4		
Telecommunications investment (% of revenue)	25.2	29.4	20.5	
Sector performance				
Access				
Fixed-telephone subscriptions (per 100 people)	4.5a	4.6		
Mobile-cellular telephone subscriptions (per 100 people)	11.3	58.3		
Fixed (wired)-broadband subscriptions (per 100 people)	0.0	0.7		
Households with a computer (%)	1.9a	5.1		
Households with Internet access at home (%)	1.4ª	4.7	a 12.4	
Usage	447	40.4		
Int'l. voice traffic, total (minutes/subscription/month)	14.7	13.4	6.5	
Domestic mobile traffic (minutes/subscription/month)		47.4		
Individuals using the Internet (%)	1.0 ^a	17.4	a 18.7	
Quality Papulation asserted by a mabile callular naturals (%)	68	84	86	
Population covered by a mobile-cellular network (%)	1.4	84 14.4		
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	28	2,788		
Affordability	20	2,100	0,070	
Fixed-telephone sub-basket (\$ a month)		0.9	4.9	
Mobile-cellular sub-basket (\$ a month)		11.1		
Fixed-broadband sub-basket (\$ a month)		14.7		
Trade		14.7	20.0	
ICT goods exports (% of total goods exports)	0.0	0.0	4.6	
ICT goods imports (% of total goods imports)	2.1	1.0		
ICT service exports (% of total service exports)	15.8	8.7		
Applications	10.0	0.1	71.3	
Online service index (0-1, 1=highest presence)	0.21	0.18	0.32	
Secure Internet servers (per million people)	0.21	0.10		
access memory (por minor people)	0.1	5.1	7	

Zambia

	Lower middle income			
	Country	Country data		
	2005	2012	group 2012	
Economic and social context				
Population (millions)	11	14	2,507	
Urban population (% of total)	37	40	39	
GNI per capita, World Bank Atlas method (\$)	490	1,350	1,893	
GDP growth, 2000-05 and 2005-12 (avg. annual %)	4.8	6.6	6.0	
Adult literacy rate (% ages 15 and older)	61		71	
Gross primary, secondary, tertiary school enrollment (%)		85	64	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line telephone operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	С	С		
Mobile telephone service	Р	С		
Internet service	Р	С		
Foreign ownership (not allowed, restricted, allowed)	R	R		
Reg. treatment of VoIP (banned, closed, no framework, allowed	I) B	В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	2.6	0.1	2.5	
Telecommunications investment (% of revenue)	29.3		20.5	
Sector performance Access	0.0	0.0	F 4	
Fixed-telephone subscriptions (per 100 people)	0.8	0.6		
Mobile-cellular telephone subscriptions (per 100 people)	8.3 0.0	74.8		
Fixed (wired)-broadband subscriptions (per 100 people)		0.1		
		0.1	1.4	
Households with a computer (%)	1.4a	3.1	1.4 a 15.0	
Households with a computer (%) Households with Internet access at home (%)			1.4 a 15.0	
Households with a computer (%) Households with Internet access at home (%) Usage	1.4 ^a 0.1 ^a	3.1 2.8	1.4 a 15.0 a 12.4	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.4 ^a 0.1 ^a	3.1 2.8 1.8	1.4 a 15.0 a 12.4 6.5	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.4 ^a 0.1 ^a 28.2	3.1 2.8 1.8 57.8	1.4 a 15.0 a 12.4 6.5	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.4 ^a 0.1 ^a	3.1 2.8 1.8	1.4 a 15.0 a 12.4 6.5	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.4 ^a 0.1 ^a 28.2 2.9 ^a	3.1 2.8 1.8 57.8 13.5	1.4 a 15.0 a 12.4 6.5	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65	3.1 2.8 1.8 57.8 13.5	1.4 15.0 12.4 6.5	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65 31.8	3.1 2.8 1.8 57.8 13.5 78 93.9	1.4 a 15.0 a 12.4 6.5 a 18.7	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65	3.1 2.8 1.8 57.8 13.5	1.4 a 15.0 a 12.4 6.5 a 18.7	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65 31.8 67	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721	1.4 a 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65 31.8 67	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721	1.4 1.5.0 1.4 1.5.0 1.4 1.5.0 1	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65 31.8 67	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721 7.4 16.5	1.4 1.5.0 1.4 1.5.0 1.4 1.5.0 1	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65 31.8 67	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721	1.4 1.5.0 1.4 1.5.0 1.4 1.5.0 1	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65 31.8 67	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721 7.4 16.5 82.3	1.4 15.0 12.4 6.5	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65 31.8 67 0.0	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721 7.4 16.5 82.3	1.4 15.0 12.4 6.5 18.7 86 58.2 8,076 4.9 20.6	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.4°a 0.1°a 28.2 2.9°a 65 31.8 67 0.0 4.6	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721 7.4 16.5 82.3 0.0 3.0	1.4 1.4 1.4 1.4 1.4 1.4 1.5 1.4 1.5 1.4 1.6 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.4 ^a 0.1 ^a 28.2 2.9 ^a 65 31.8 67 0.0	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721 7.4 16.5 82.3	1.4 a 15.0 a 12.4 6.5 a 18.7 86 58.2 8,076 4.9 10.5 20.6 4.6 7.2	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.4°a 0.1°a 28.2 2.9°a 65 31.8 67 0.0 4.6	3.1 2.8 1.8 57.8 13.5 78 93.9 2,721 7.4 16.5 82.3 0.0 3.0	1.4 1.5.0 1.4 1.5.0 1.5.0 1.5.0 1.6.5 1.6.5 1.6.7 1.6.5 1.6.7 1.6.5 1.6.7 1.6.5 1.6.7 1.6.5 1.6.7 1.6.5 1.6.5 1.6.7 1.6.5 1.6.7 1.6.5 1.6.7 1.6.5 1.6.7 1.6.5 1.6.7 1.6.5 1.6.7	

Zimbabwe

Sub-Saharan Africa Low income

	Country data		Low- income group
-	2005	2012	2012
Economic and social context			
Population (millions)	13	14	846
Urban population (% of total)	36	39	28
GNI per capita, World Bank Atlas method (\$)	430	650	590
GDP growth, 2000-05 and 2005-12 (avg. annual %)	-8.5	0.2	5.9
Adult literacy rate (% ages 15 and older)		84	61
Gross primary, secondary, tertiary school enrollment (%)	54		60
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	С	Р	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			5.0
Telecommunications investment (% of revenue)	4.1		
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	2.6	2.2	1.0
Mobile-cellular telephone subscriptions (per 100 people)	5.1	91.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.1	0.5	0.2
Households with a computer (%)	2.0a	6.5	
Households with Internet access at home (%)	0.9a	4.9	3.4
Usage		4.0	
Int'l. voice traffic, total (minutes/subscription/month)		4.0	
Domestic mobile traffic (minutes/subscription/month)	51.7	30.3	70.1
Individuals using the Internet (%) Quality	8.0a	17.1	6.2
Population covered by a mobile-cellular network (%)	70	81	
Fixed (wired)-broadband subscriptions (% of total Internet)	10.6	99.3	30.9
International Internet bandwidth (bit/s per Internet user)	54	2,643	9,141
Affordability			
Fixed-telephone sub-basket (\$ a month)		9.8	8.9
Mobile-cellular sub-basket (\$ a month)		20.6	11.9
Fixed-broadband sub-basket (\$ a month)		30.0	46.9
Trade			
	0.1	0.0	
ICT goods exports (% of total goods exports)		3.4	
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.5	J.T	
ICT goods imports (% of total goods imports)	2.5		
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)			0.20

Notes

- a. ITU estimate.
- b. Excludes South Sudan.
- c. Excludes South Sudan after July 9, 2011.

Adult literacy rate is the percentage of people ages 15 and older who can, with understanding, read and write a short, simple statement about their everyday life. (United Nations Educational, Scientific, and Cultural Organization Institute for Statistics) (w)

Domestic mobile-telephone traffic refers to the total number of minutes of calls made by mobile subscribers within a country (including minutes to fixed-telephone and minutes to mobile-phone subscribers). (International Telecommunication Union) (w)

Fixed-broadband sub-basket refers to the price of the monthly subscription to an entry-level fixed broadband plan. For comparability reasons, the fixed broadband sub-basket is based on a monthly usage of (a minimum of) 1 gigabyte (GB). For plans that limit the monthly amount of data transferred by including caps below 1 gigabyte, the cost for additional bytes is added to the sub-basket. The minimum speed of a broadband connection is 256 kbit/s. (International Telecommunication Union) (m)

Fixed (wired)-broadband subscriptions refers to subscriptions to high-speed access to the public Internet (a TCP/IP connection), at downstream speeds equal to, or greater than, 256 kbit/s. This includes cable modem, DSL, fiber-to-the-home/building, and other fixed (wired)-broadband subscriptions. This total is measured irrespective of the method of payment. It excludes subscriptions that have access to data communications (including the Internet) via mobile-cellular networks. It excludes technologies listed under the wireless-broadband category. (International Telecommunication Union) (w)

Fixed-telephone sub-basket refers to the monthly price charged for subscribing to the Public Switched Telephone Network (PSTN), plus the cost of 30 local calls to the same (fixed) network (15 peak and 15 off-peak calls) of three minutes each. The service refers to the traditional fixed telephone line and does not refer to, for example, prices for managed VoIP. (International Telecommunication Union) (m)

Fixed-telephone subscriptions refers to the sum of active number of analog fixed-telephone lines, Voice over Internet Protocol (VoIP) subscriptions, fixed wireless local loop (WLL) subscriptions, ISDN voice-channel equivalents, and fixed public payphones. (International Telecommunication Union) (w)

Foreign ownership refers to the allowance of foreign participation or ownership in facility-based and spectrum-based operators as well as in Internet Service Providers (ISPs). (No = not allowed, R = allowed with restrictions, A = allowed without restrictions) (International Telecommunication Union)

GDP growth is the annual percentage growth rate of gross domestic product (GDP) at market prices based on constant local currency. Aggregates are based on constant 2005 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without

making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. (World Bank and Organisation for Economic Co-operation and Development) (w)

GNI per capita, *World Bank Atlas* **method**, is gross national income (GNI) converted to U.S. dollars using the *World Bank Atlas* method divided by the midyear population. GNI is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. GNI, calculated in national currency, is usually converted to U.S. dollars at official exchange rates for comparisons across economies. The *World Bank Atlas* method is used to smooth fluctuations in prices and exchange rates. It averages the exchange rate for a given year and the two preceding years, adjusted for differences in rates of inflation between the country and the Euro area, Japan, the United Kingdom, and the United States. (World Bank) (w)

Gross primary, secondary, and tertiary enrollment is the combined number of students enrolled in primary, secondary, and tertiary levels of education, regardless of age, as a percentage of the population of official school age for the three levels. (United Nations Educational, Scientific and Cultural Organization Institute for Statistics) (w)

Households with a computer refers to the percentage of households with a computer at home. A computer includes a desktop computer, a laptop (portable) computer, or a tablet (or similar handheld computer). It does not include equipment with some embedded computing abilities such as smart TV sets, and devices with telephony as their primary function, such as smartphones. (International Telecommunication Union) (w)

Households with Internet access at home refers to the percentage of households with Internet access at home. Access is not assumed to be only via a computer—it may also be by mobile phone, tablet, PDA, games machine, digital TV, etc. (International Telecommunication Union) (w)

ICT goods exports and imports are goods that are intended to fulfill the function of information processing and communication by electronic means, including transmission and display, or that use electronic processing to detect, measure, or record physical phenomena or to control a physical process. They include telecommunications, audio and video, computer and related equipment; electronic components; and other information and communication technology goods. Software is excluded. Re-exports (exports of foreign goods in the same state as previously imported) are included. (United Nations Conference on Trade and Development) (w)

ICT service exports comprise communications services (telecommunications, business network services, teleconferencing, support services, and postal services) and computer and information services (database, data processing, software design and development, maintenance and repair, and news-related service transactions). (International Monetary Fund) (w)

Individuals using the Internet refers to the percentage of individuals who have used the Internet (from any location) in the last 12 months. Internet can be used via a computer, mobile phone, personal digital assistant, games machine, digital TV, etc. (International Telecommunication Union) (w)

International Internet bandwidth refers to the total used capacity of international Internet bandwidth, in bits per second per Internet user. It is measured as the sum of used capacity of all Internet exchanges (locations where Internet traffic is exchanged) offering international bandwidth. If capacity is asymmetric (i.e., more incoming [downlink] than outgoing [uplink] capacity), then the incoming (downlink) capacity should be provided. (International Telecommunication Union) (w)

International voice traffic, total is the sum of international incoming and outgoing telephone fixed and mobile telephone traffic (in minutes). (International Telecommunication Union) (w)

Level of competition, international gateway, is the level of competition for international gateway(s). International gateway is any facility that provides an interface to send and receive electronic communications (i.e., voice, data and multimedia images/video) traffic between one country's domestic network facilities and those in another country. (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Level of competition, Internet service, is the level of competition for retail Internet access service. (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Level of competition, mobile telephone service, is the level of competition for digital cellular mobile services. (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Mobile-cellular sub-basket refers to the price of a standard basket of mobile monthly usage for 30 outgoing calls per month (on-net, off-net, to a fixed line, and for peak and off-peak times) in predetermined ratios, plus 100 SMS messages. The mobile-cellular sub-basket is based on prepaid tariffs although postpaid tariffs may be used for countries where prepaid subscriptions make up less than three percent of all mobile-cellular subscriptions. The mobile-cellular prepaid sub-basket is largely based, but does not entirely follow, the 2009 methodology of the OECD low-user basket. (International Telecommunication Union) (m)

Mobile-cellular telephone subscriptions refers to the number of subscriptions to a public mobile-telephone service that provide access to the PSTN (public switched telephone network) using cellular technology. The indicator includes (and is split into) the number of postpaid subscriptions, and the number of active prepaid accounts (i.e., that have been used during the last three months). The indicator applies to all mobile-cellular subscriptions that offer voice communications. It excludes subscriptions via data cards or

USB modems, subscriptions to public mobile data services, private trunked mobile radio, telepoint, radio paging, and telemetry services. (International Telecommunication Union) (w)

Online service index is one of the three component indicators for the United Nation's e-Government Development Index (EGDI). Online service index measures the level of sophistication of a government's online presence based on four stages of e-government evolution: emerging presence, enhanced presence, transactional presence, and connected presence. A value of 0 indicates the lowest presence, a value of 1 the highest. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network) (m)

Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship, except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin. Data are midyear estimates. (World Bank) (s)

Population covered by a mobile-cellular network refers to the percentage of people within range of a mobile-cellular signal, irrespective of whether they are subscribers or users or not. This is calculated by dividing the number of people within range of a mobile-cellular signal by the total population and multiplying by 100. (International Telecommunication Union) (w)

Regulatory treatment of VoIP indicates whether the country has any regulatory treatment on Voice over Internet Protocol (VoIP), a generic term to describe the techniques used to carry voice traffic over IP. The status are categorized as banned, closed, no framework, or allowed. "Closed" means that wholesale VoIP is permitted, but retail VoIP is banned, as well as cases where only the incumbent is licensed to provide VoIP. (B = banned, C = closed, No = no framework, A = allowed) (International Telecommunication Union)

Secure Internet servers are the number of servers using encryption technology for Internet transactions. Data listed for 2012 are for December 2013. (Netcraft) (w)

Separate telecommunications/ICT regulator indicates whether the country has a separate telecommunications/ICT Regulatory Authority independent in terms of finance, structure, and decision making from the operators and the sector Ministry. (International Telecommunication Union)

Status of main fixed-line telephone operator indicates whether the incumbent fixed-line operator is a public or private entity. Public refers to a fully state-owned operator that has remained 100 percent government-owned since its creation or has been re/nationalized; private refers to a fully private operator that is 100 percent private, either as a result of a privatization or created as such; and mixed refers to a partially private operator that has a portion of its shares sold to either a private operator or to the public (e.g., through Initial



Public Offerings or Employee Stock Ownership Plan), with the government remaining one of its shareholders. (International Telecommunication Union)

Telecommunications investment refers to the investment during the financial year in telecommunication services (including fixed, mobile, and Internet services) for acquiring or upgrading property and networks. Property includes tangible assets such as plant, intellectual and non-tangible assets such as computer software. The indicator is a measure of investment in telecommunication infrastructure in the country, and includes expenditure on initial installations and additions to existing installations where the usage is expected to be over an extended period of time. It excludes expenditure on research and development (R&D), annual fees for operating licenses and the use of radio spectrum. (International Telecommunication Union) (m)

Telecommunications revenue refers to revenue earned from retail fixed telephone, mobile-cellular, Internet, and data services offered by telecommunication operators (both network and virtual) offering services within the country. Revenue (turnover) consists of retail telecommunication service earnings (therefore excluding revenue from wholesaling activities) during the financial year under review. It is calculated as percentage of GDP. (International Telecommunication Union) (w)

Urban population is the midyear population of areas defined as urban in each country and reported to the United Nations. (United Nations) (s)

VoIP is Voice over Internet Protocol, a generic term.



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