

Disasters in Numbers 2010

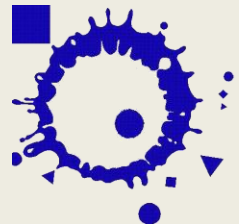
Prof. Dr. Debarati Guha-Sapir

CREED, Catholic University of Louvain, Brussels (Belgium)

January 24, 2011 - Geneva



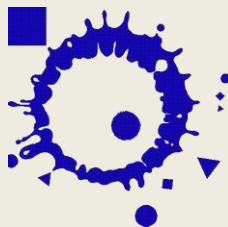
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NATURAL DISASTERS IN 2010

- Natural disasters : 373
- Total deaths: 296,800
- Total affected: 207 million
- Estimated damage: 109 billion US\$

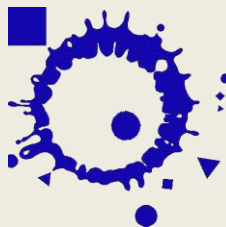
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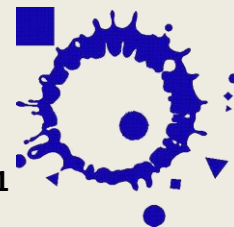
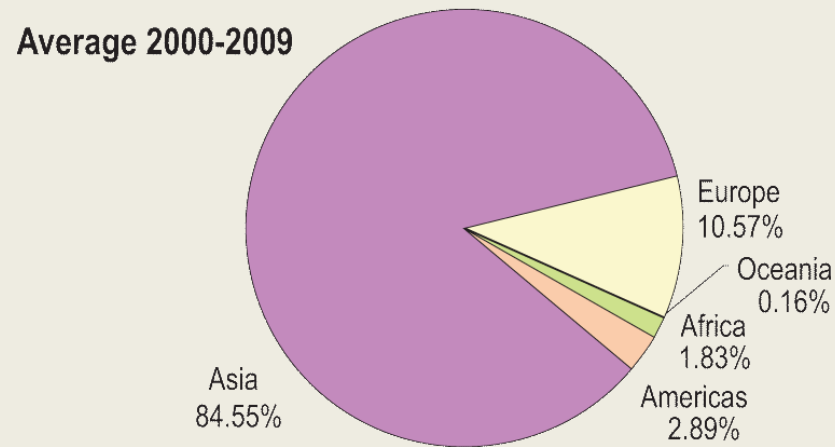
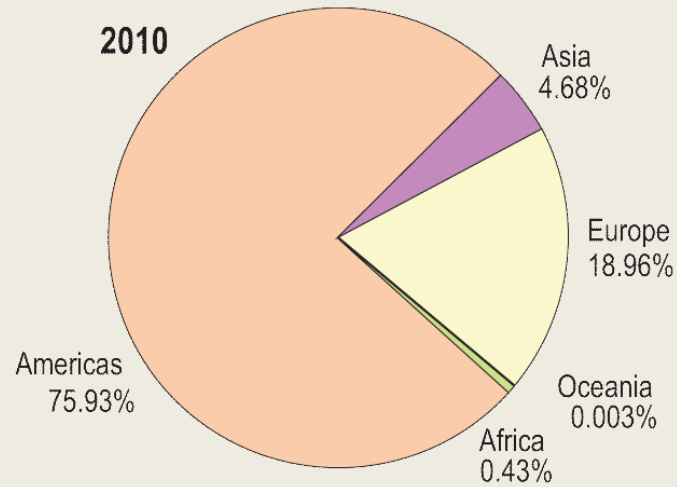
TOP 10 DISASTERS BY NUMBER OF DEATHS (2010)

Event	Month	Country	Deaths
Earthquake	January	Haiti	222,570
Heat wave	July/August	Russia	55,736
Earthquake	April	China	2968
Flood	July/August	Pakistan	1985
Landslide	August	China	1765
Flood	May-August	China	1691
Earthquake	February	Chile	562
Earthquake	October	Indonesia	530
Cold wave	July-December	Peru	409
Landslide	February-March	Uganda	388

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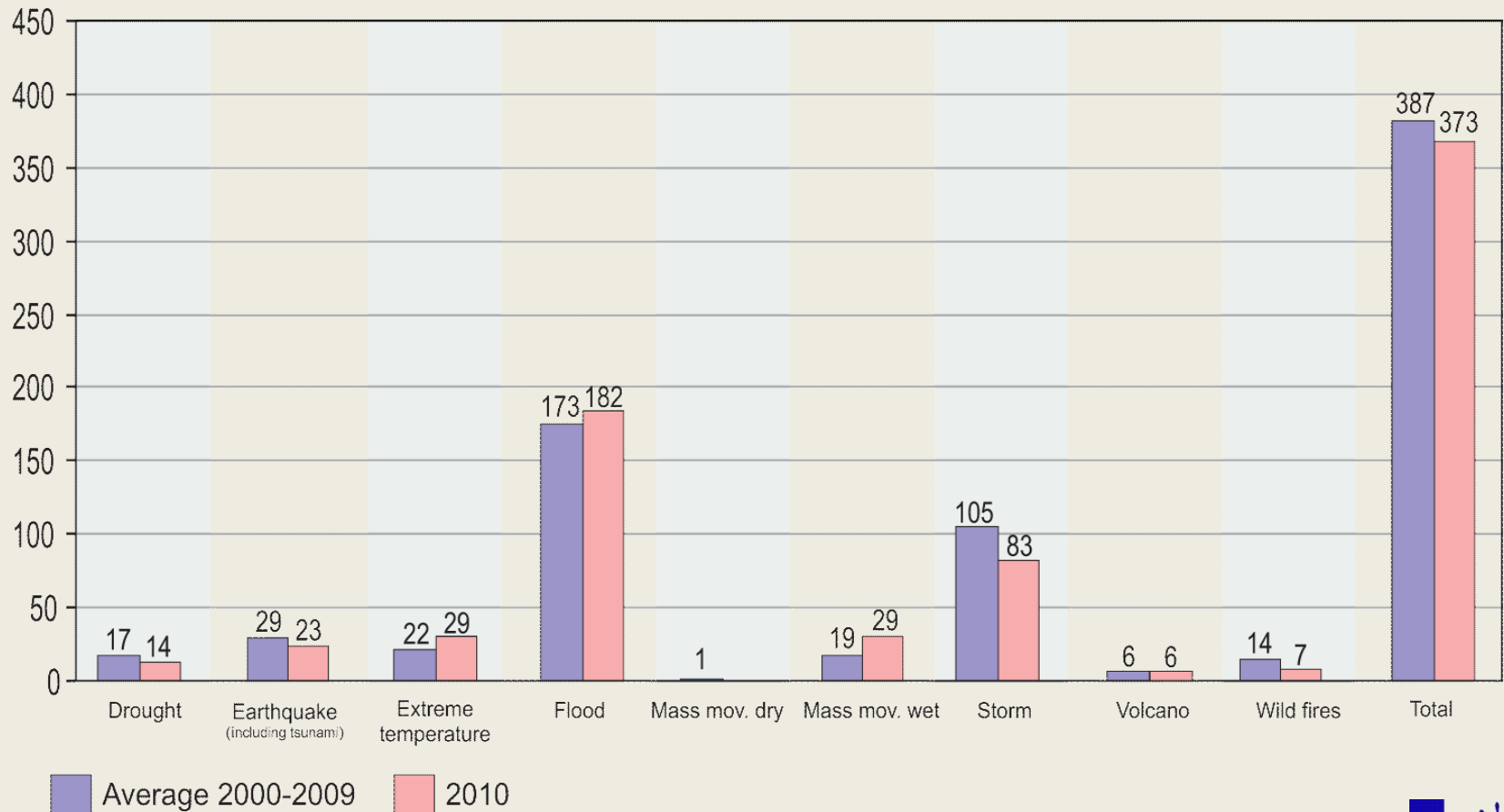


DEATHS FROM NATURAL DISASTERS BY REGION

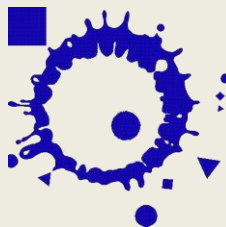


NATURAL DISASTERS

2010 - compared to decade average



* Biological disasters excluded

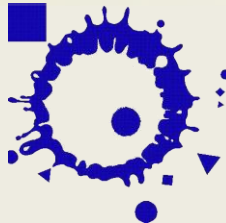


TOP10 DISASTERS ECONOMIC LOSSES (2010)

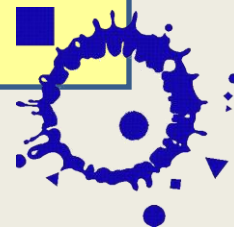
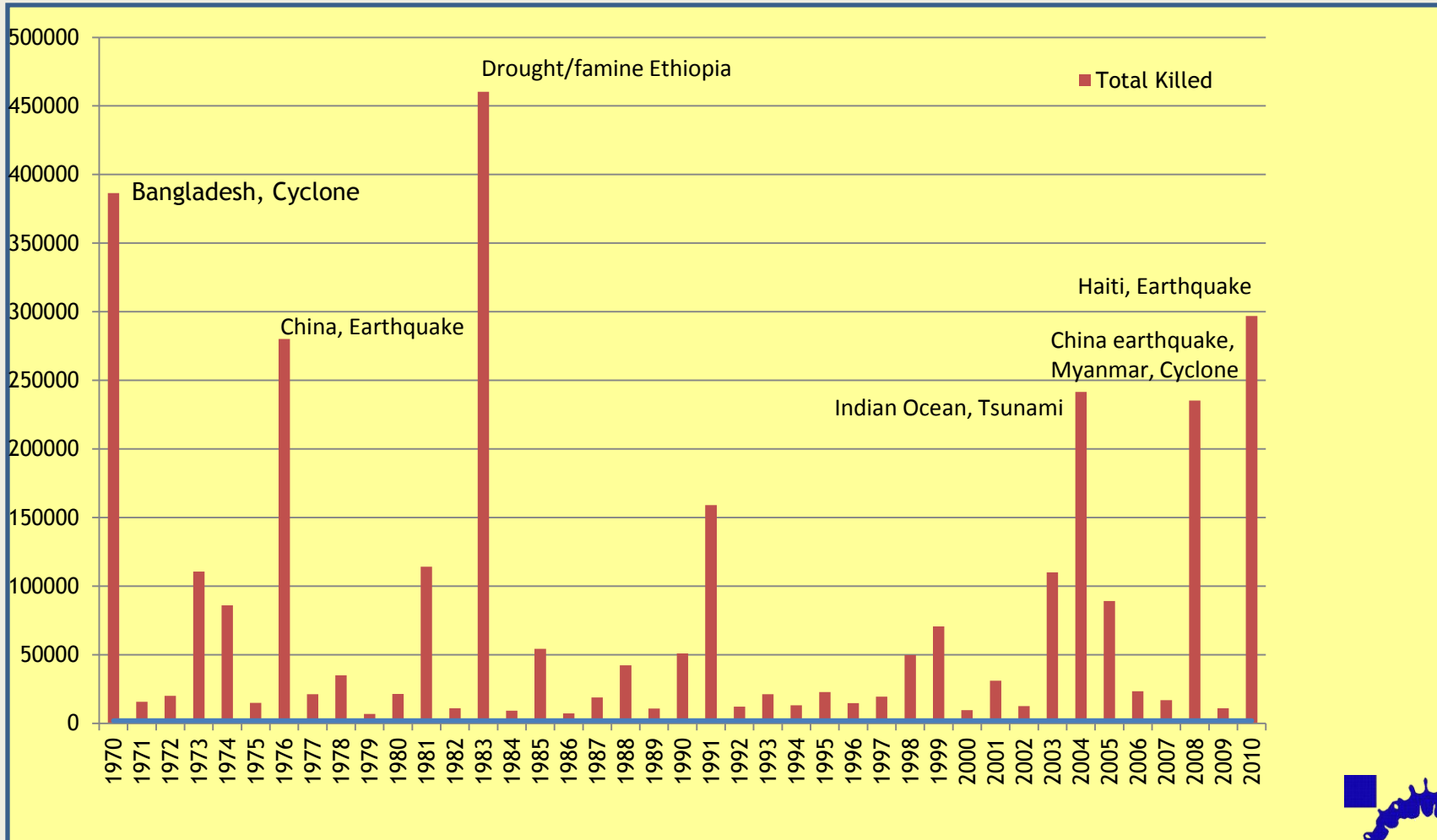
Event	Month	Country	Damage*
Earthquake	February	Chile	30.0
Flood	May/August	China	18.0
Flood	July/August	Pakistan	9.5
Earthquake	January	Haiti	8.0
Storm Xynthia	February	France	4.2
Hurricane Karl	September	Mexico	3.9
Earthquake	April	New Zealand	3.7
Flood	May	Poland	3.2
Storm	May	USA	2.7
Storm	April/May	USA	2.3

*in US\$ billion

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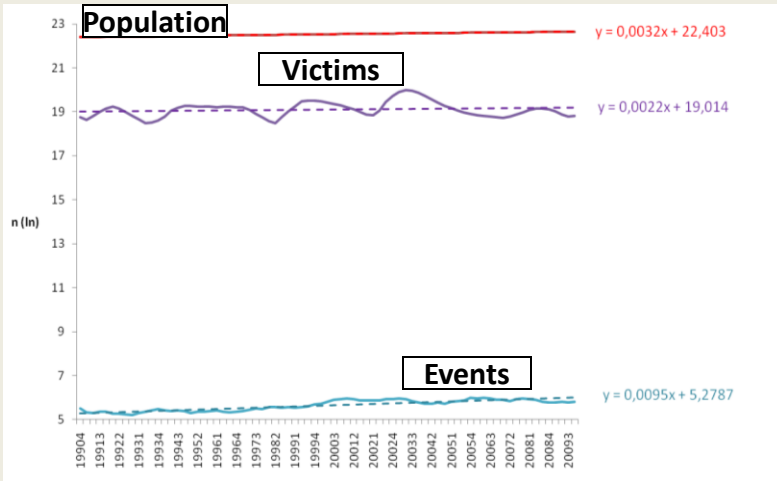


DEATHS FROM NATURAL DISASTERS OVER 4 DECADES (1970-2010)

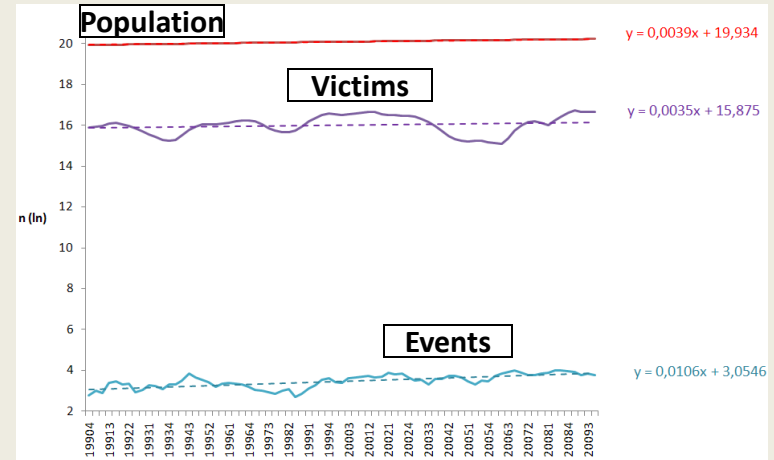


DO TRENDS IN CLIMATE DISASTERS AND VICTIMS FOLLOW POPULATION GROWTH? (1900-2009)

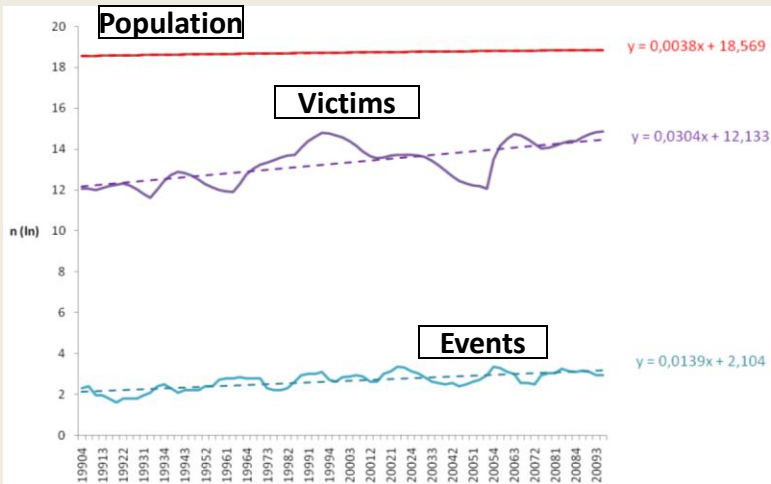
WORLD



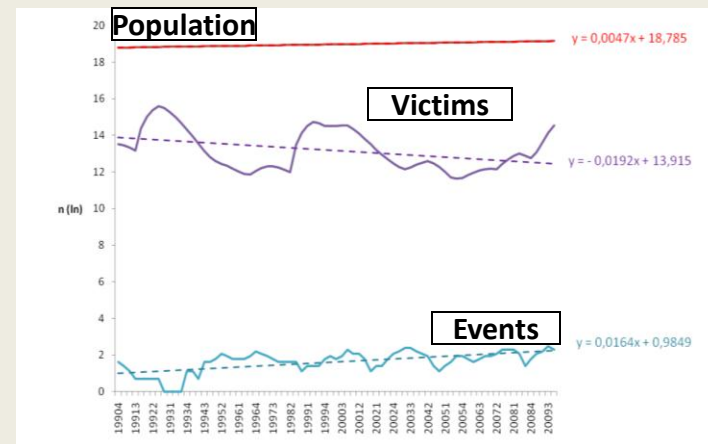
SOUTH-EAST ASIA



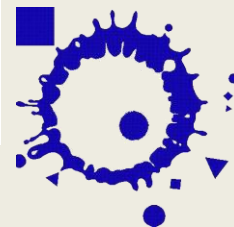
Central America



Northern Africa

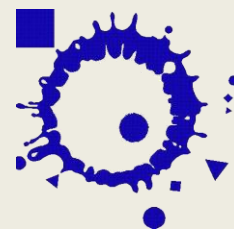


* Includes: flood, wet mass movements, storms, extreme temperature, drought and wild fires



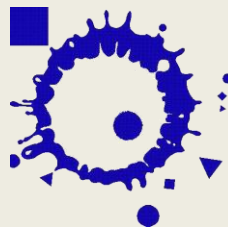
Haiti - Natural Disasters in 2010

Disaster type	Occurrence	Total deaths	Total affected	Total Damage (billion US\$)
Earthquake	1	222,570	3,500,000	8
Epidemic	1	3790	185,012	na
Flood	3	44	22,087	na
Storm	2	27	78,142	na
Total	7	225,402	3,871,094	8



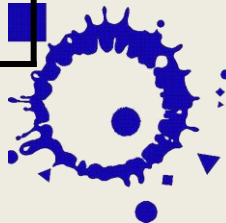
Haiti - Natural Disasters in 2000-2009

Disaster type	Occurrence	Total Deaths	Total Affected	Total Damage (billion US\$)
Earthquake	1	0	35,000	n.a.
Epidemic	1	40	200	n.a.
Flood	20	2910	394,743	0,001
Storm	18	3663	762,834	0,100
Total	40	6613	1,156,777	0,101



Brazil - Natural Disasters in 2000-2010

Disaster type	Occurrence	Total Deaths	Total Affected
Drought	6	0	2,062,000
Earthquake	1	1	286
Epidemic	3	203	606,570
Extreme Temperature	3	39	0
Flood	37	1280	4,567,393
Mass Movement Wet	5	162	149,670
Storm	5	26	15,768
Total	60	1711	7,543,687



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