

**Xinhua-Dow Jones
International Financial Centers
Development Index
(2013)**

September, 2013

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Preface

International financial centers are formed as a result of the flow and aggregation of financial factors in global scope. Whether a city will develop into an international financial center depends on its comprehensive competitiveness in terms of financial market construction, growth and development capability, industrial support, city service standards, and the national environment. In an era of economic globalization, international financial centers boast richer functions and more diversified types, which have presented a multivariate development pattern. The construction of international financial centers in emerging economies, in particular, has attracted more and more attention across the world. Under such circumstances, it has become necessary as a matter of urgency to make scientific and all-round assessment on the development status of international financial centers, probe their development rules, and promote the reasonable flow of global finance factors.

In 2010, Xinhua News Agency linked up with the Chicago Mercantile Exchange Group (CME), which owns the former Dow Jones Index Service Co. and now also the Standard & Poor's Dow Jones Index Co., to jointly launch the Xinhua-Dow Jones International Financial Centers Development Index (IFCD Index). A report on the IFCD Index is released every year to assist the practical development and application of international financial centers and national and regional economies, and for related academic study.

Following the principle of a “scientific

and impartial” approach, the IFCD Index adopts development and progressiveness as a major dimension practiced throughout its index research and development efforts, paying specific attention to international financial centers’ progress and focusing not only on the existing capacity but also growth capability. In doing so, the IFCD Index aims to share its important value as a store of experience to help constitute an assessment system of international financial structure and to boost the reasonable flow of global financial elements.

The IFCD Index adopts an index compiling methodology of combining an objective indexing system with subjective questionnaire surveys so as to reach a comprehensive conclusion covering both the objective examination and subjective appraisal over international financial center cities.

Regarding methodology design, a progressive analytic framework has been introduced to exercise all-around analysis of the development situation as international financial centers of 45 selected sample cities. In the first level analysis, by examining the intermittent difference of scores, a comprehensive assessment is made to specify the difference of the index. The focus of the second level is on breaking down the IFCD index into smaller sub-indexes, engaging in deeper analysis on every element to elaborate the excellence and weakness of specific financial center cities. The third level observes the regional distribution of financial center cities to illustrate the regional environment’s influence on functioning of the financial centers. The fourth level unveils the world’s on-going economic development hot spots, while financial center cities in the BRICS

countries are examined one by one through Xinhua's global IFCD index surveying system, which provides for the equal usage of subjective questionnaire surveys and regional in-depth interviews to collect respondents' comments across the world on the development standards of financial center cities in BRICS countries.

Data that underpins the index, which is all collected from third-party international authorities, have been proven stable, reliable, transparent, and credible. Meanwhile, the objective data is mostly obtained in form of three-year averages to avoid contamination by incomparable interference factors, while Xinhua's global information collection system is responsible for the acquisition of subjective survey results, a variety of views from respondents in different industries and regions is put under full consideration as questionnaire survey samples are carefully studied and analyzed in terms of credibility and validity to make sure the results of the surveys meet the rules and are more scientific.

The IFCD Index, which was successfully published in 2010 and 2011 and 2012, has received extensive praise and has been gradually recognized by global political circles, business circles, and the academic world and has provided an important reference for global investors to objectively learn the growth capability, industrial support and policy and system environment of regional financial markets.

In 2013, the research group, consistently upholding the development philosophy of sustainability and tolerance, gradually improving the index system and survey methods to maintain consistency of algorithm. Research and launches the "IFCD Index 2013" to the world.

I. Analysis of IFCD Index

Results

(I) Comprehensive evaluation of development of international financial centers

1. Selection of sample cities

Generally speaking, an international financial center has following major characteristics: first, it assembles certain number of financial institutions engaged in international businesses, such as international large banks, securities brokers, insurers, fund firms, and so on; secondly, it boasts a relatively complete international finance market system, including a stock market, bond market, Interbank lending market, gold market, foreign exchange market, and so on; thirdly, it holds relative large-scale international finance trading activities, including issuing and trading of stocks, borrowing and lending of capital and

so on; fourthly, it is located in a modern city, with developed communication networks, sound traffic conditions, a developed service industry, and a relatively high degree of openness.

In order to ensure that the selection of financial center sample cities is scientific, comprehensive, and representative, this report further defines the above-mentioned characteristics into the following principles:

(1) Scale: namely, the ranking of cities' finance trading scale in stocks, bonds, funds, foreign exchange, and so on;

(2) Growth capability: namely, ranking of cities' development momentum of finance markets of stocks, bonds, and foreign exchange etc;

(3) Equilibrium: namely, the distribution of sample cities will be balanced so as to ensure that major economies of the world will have representative cities selected.

In accordance with the above principles and sample continuity and stability requirements, the number of sample cities in 2013 is still 45.

Table 1 Sample cities and regional distribution of the IFCD Index 2013

| | | | | |
|---------|--------------|---------------|-----------|------------|
| Europe | Amsterdam | Vienna | Oslo | Paris |
| | Budapest | Brussels | Dublin | Frankfurt |
| | Copenhagen | Helsinki | Lisbon | Luxembourg |
| | London | Rome | Madrid | Milan |
| | Moscow | Munich | Geneva | Stockholm |
| | Zurich | | | |
| America | Boston | Buenos Aires | Toronto | Chicago |
| | Washington | San Francisco | Montreal | New York |
| | Sao Paulo | Vancouver | | |
| Asia | Tokyo | Osaka | Dubai | Mumbai |
| | Singapore | Beijing | Shanghai | Shenzhen |
| | Seoul | Taipei | Hong Kong | |
| Other | Johannesburg | Melbourne | Sydney | |

Based on the comprehensive evaluation system of the IFCD Index and after comprehensive analysis and calculation, we obtain the comprehensive scores and ranking results of the development indices of the 45 international financial centers, the ranking results presents the following characteristics :

Firstly ,the international financial centers that rank the top 10 are, from the top down, New York, London ,Hong Kong, Tokyo, Singapore, Shanghai, Paris, Frankfurt, Chicago and Sydney. Compared with the past three years rank, the top 10 cities in all 45 samples in the city ranked the most

stable ,especially the top 6 sample cities are New York, London, Hong Kong, Tokyo, Singapore ,Shanghai.

Hong Kong for the first time beyond the Tokyo in 2013,into the world's top three, and the four international financial center in the Asia Pacific Region ,Hong Kong, Tokyo, Singapore, Shanghai has formed a regional financial center relatively stable cluster group in the global scope. In addition, Paris beyond Frankfurt, the two cities always in seventh, eighth ranking interval .Compared with last year, Chicago has moved to higher position, Sydney has been back in the top 10 since 2012.

Table 2 Top 10 international financial centers in 2010-2013

| Ranking | 2013 | 2012 | 2011 | 2010 |
|---------|-----------|-----------|-----------|------------|
| 1 | New York | New York | New York | New York |
| 2 | London | London | London | London |
| 3 | Hong Kong | Tokyo | Tokyo | Tokyo |
| 4 | Tokyo | Hong Kong | Hong Kong | Hong Kong |
| 5 | Singapore | Singapore | Singapore | Paris |
| 6 | Shanghai | Shanghai | Shanghai | Singapore |
| 7 | Paris | Frankfurt | Paris | Frankfurt |
| 8 | Frankfurt | Paris | Frankfurt | Shanghai |
| 9 | Chicago | Zurich | Sydney | Washington |
| 10 | Sydney | Chicago | Amsterdam | Sydney |

Secondly, compared with 2012,the international financial centers keep relative ,the number of financial centers with big variation or stable is increasing .In 2012,the number of financial centers with stable or relatively stable rankings totals 27,accounting for60percent of the total

sample cities ,it is almost equal to last year .As for the number of cities with big variation in rankings ,the year of 2013 has 18,which is much higher than in 2012 and 2011,which was 14 and 5.

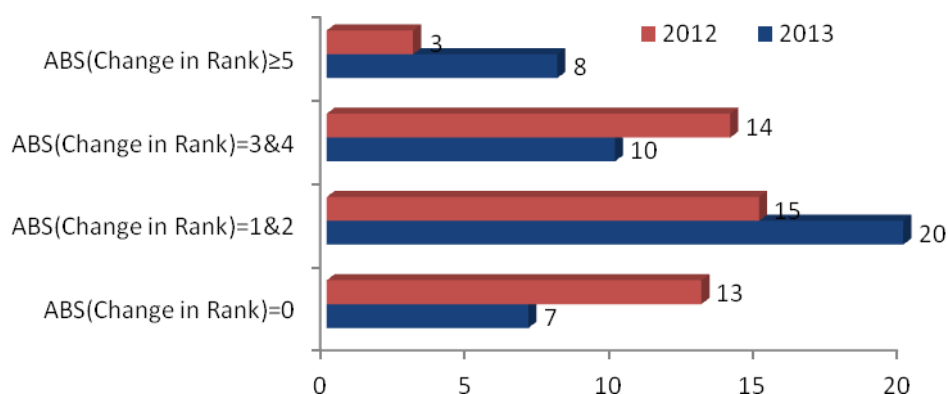


Figure 1 Analysis of Categorization Based on Position Difference of IFCD Index 2013

Thirdly, International financial center position changes obviously regularity, besides the top 10, the ranking of the whole international financial centers of Europe are decline, but the international financial centers of Asia and North America are have moved to higher positions, especially the BRIC countries financial center increase greatly, this kind of change is also in line with the characteristics of the development of global economic pattern over the past year. The signs of economic recovery in North America was more obvious, while the European debt crisis has not yet bottomed out, and the traditional European small and medium financial center city showed a downturn trend higher. Such as Milan, Copenhagen, Helsinki, Oslo, Luxembourg, Dublin, Rome, Lisbon, which decline so obvious.

(II) Analysis of development indicators of international financial centers

Comparative analysis on the evaluation results of primary indicators and their corresponding secondary indicators can lead to better understanding of the competitiveness and development of

international financial centers.

1. Financial market

The secondary indicator of the financial market includes four sub-elements, including the capital market, the foreign exchange market, the banking market, and the insurance market. Synthesizing the evaluation results on the four sub-elements of the 45 international financial centers, we get the ranking of their power in financial market development. The top 10 cities are as follows (Table 3):

Table 3 Top 10 cities in financial market

| Ranking | 2013 | 2012 | 2011 | 2010 |
|---------|-----------|-----------|-----------|------------|
| 1 | New York | New York | New York | London |
| 2 | London | London | London | New York |
| 3 | Tokyo | Tokyo | Tokyo | Tokyo |
| 4 | Hong Kong | Hong Kong | Hong Kong | Hong Kong |
| 5 | Singapore | Frankfurt | Paris | Paris |
| 6 | Shanghai | Shanghai | Frankfurt | Frankfurt |
| 7 | Paris | Singapore | Shanghai | Shanghai |
| 8 | Frankfurt | Paris | Singapore | Singapore |
| 9 | Chicago | Zurich | Beijing | Zurich |
| 10 | Sydney | Chicago | Chicago | Washington |

The year of 2013 witnesses the following features in terms of financial market element assessment:

First, the ranking of the financial market element is similar to that of the city's comprehensive index .In addition to Hong Kong and Tokyo ranking is different ,the ranking of the other cities is consistent ,this characteristic has lasted three years ,the perfection of the financial market and the development degree is the first core elements of the financial center development.

Secondly, the financial elements of the market top 10,there are Tokyo, Hong Kong, Singapore, Shanghai, Sydney in the Asia Pacific Financial center in the Asia Pacific region's financial market ,the position of which is becoming stable.

Thirdly ,from the financial market volatility factor ranking ,cities in Europe and emerging economies fluctuations ,Europe Rome, Oslo, Brussels, Milan, Stockholm city ranking sharply ,while the emerging economies of St Paul, Johannesburg, Buenos Aires increase greatly.

Table 4 Cities with bigger change of positions in ranking of financial market

| City | 2013 | 2012 | Change of position | ABS of change |
|--------------|------|------|--------------------|---------------|
| Sao Paulo | 22 | 41 | 19 | 19 |
| Johannesburg | 26 | 44 | 18 | 18 |
| Rome | 41 | 29 | -12 | 12 |
| Vancouver | 23 | 33 | 10 | 10 |
| Oslo | 43 | 35 | -8 | 8 |
| Buenos Aires | 35 | 43 | 8 | 8 |
| Brussels | 29 | 21 | -8 | 8 |
| Osaka | 24 | 30 | 6 | 6 |
| Milan | 32 | 26 | -6 | 6 |
| Montreal | 31 | 37 | 6 | 6 |
| Taipei | 36 | 31 | -5 | 5 |
| Stockholm | 33 | 28 | -5 | 5 |
| Moscow | 30 | 25 | -5 | 5 |
| Vienna | 37 | 32 | -5 | 5 |
| Seoul | 27 | 22 | -5 | 5 |
| Madrid | 28 | 24 | -4 | 4 |
| Mumbai | 20 | 23 | 3 | 3 |
| Frankfurt | 8 | 5 | -3 | 3 |
| Shenzhen | 17 | 20 | 3 | 3 |
| Boston | 16 | 19 | 3 | 3 |
| Geneva | 18 | 15 | -3 | 3 |
| Melbourne | 39 | 36 | -3 | 3 |
| Amsterdam | 21 | 18 | -3 | 3 |

Table 5 Top 10 cities in growth and development

| Ranking | 2013 | 2012 | 2011 | 2010 |
|---------|-----------|-----------|-----------|-----------|
| 1 | Shanghai | Shanghai | Shanghai | Shanghai |
| 2 | Hong Kong | New York | Hong Kong | Hong Kong |
| 3 | London | London | Tokyo | Beijing |
| 4 | New York | Hong Kong | New York | New York |
| 5 | Singapore | Beijing | Singapore | Tokyo |
| 6 | Beijing | Tokyo | Beijing | London |
| 7 | Tokyo | Singapore | London | Singapore |
| 8 | Shenzhen | Shenzhen | Dubai | Dubai |
| 9 | Paris | Paris | Seoul | Paris |
| 10 | Dubai | Frankfurt | Shenzhen | Shenzhen |

2. Growth and development

The growth and development indicator contains three sub-elements, i.e. capital market growth, economic growth, and innovation potential reserves. Synthesizing the evaluation results on the three sub-elements of the 45 international financial centers we get the ranking of their importance in growth and development. The top 10 cities are showed in Table 5:

In 2013 the ranking of growth factor shows the main following characteristics:

On the one hand ,for ranking first in the past four years ,Shanghai is still the most growth financial center in the Asia Pacific

region .Hong Kong overtook London, ranked second . The growth rankings of Beijing and Shenzhen are in front, Dubai once again returns to the first 10.

On the other hand ,the largest fluctuations of growth factor ranking cities are Johannesburg, St Paul, Moscow, Dubai and Madrid .The first three are the BRICs countries financial center cities ,the BRIC countries strong strength in terms of growth and development .But in the growing factor, the distribution of the decline cities is balanced ,which includes Dublin, Frankfurt, Rome, Osaka, Seoul, Melbourne ,Taipei, Washington ,the growth of European and American financial center cities significantly backwards.

Table 6 Cities with bigger changes of position in ranking of growth and development

| City | 2013 | 2012 | Change of position | ABS of change |
|--------------|------|------|--------------------|---------------|
| Johannesburg | 30 | 45 | 15 | 15 |
| Sao Paulo | 27 | 39 | 12 | 12 |
| Moscow | 25 | 16 | -9 | 9 |
| Dubai | 10 | 17 | 7 | 7 |
| Madrid | 37 | 30 | -7 | 7 |
| Osaka | 44 | 38 | -6 | 6 |
| Dublin | 38 | 32 | -6 | 6 |
| Frankfurt | 15 | 10 | -5 | 5 |
| Munich | 20 | 25 | 5 | 5 |
| Seoul | 19 | 14 | -5 | 5 |
| Melbourne | 31 | 26 | -5 | 5 |
| Taipei | 32 | 27 | -5 | 5 |
| Toronto | 16 | 20 | 4 | 4 |
| Washington | 23 | 19 | -4 | 4 |
| Geneva | 18 | 22 | 4 | 4 |
| Rome | 39 | 35 | -4 | 4 |
| Sydney | 12 | 15 | 3 | 3 |

3. Industrial support

The indicator of industrial support has three sub-elements, including business

environment support, intellectual capital, and urban infrastructure. The index assesses all the three elements to evaluate the industrial support capability of the 45 international

financial centers and the top 10 cities are displayed in Table 7:

Table 7 Top 10 cities with strongest industrial support

| Ranking | 2013 | 2012 | 2011 | 2010 |
|---------|-----------|-----------|-----------|-----------|
| 1 | New York | New York | New York | New York |
| 2 | London | London | Tokyo | Tokyo |
| 3 | Tokyo | Tokyo | London | London |
| 4 | Hong Kong | Shanghai | Hong Kong | Hong Kong |
| 5 | Shanghai | Hong Kong | Singapore | Singapore |
| 6 | Singapore | Singapore | Shanghai | Paris |
| 7 | Beijing | Frankfurt | Paris | Shanghai |
| 8 | Paris | Beijing | Frankfurt | Frankfurt |
| 9 | Chicago | Paris | Beijing | Beijing |
| 10 | Frankfurt | Chicago | Chicago | Dubai |

The 2013 industrial support index assessments demonstrate the following features:

On the one hand, industry supporting the top 10 financial center sample lasted three years ,which remains unchanged .The ranking of Tokyo, Beijing, Paris, Chicago are rising ,compared with 2012,Shanghai falls one place.

On the other hand ,the fluctuations of industry support ranking have no obvious rules, St Paul, Johannesburg and Taipei rise rapidly .Compared with the corresponding growth factors ,the European financial center city ranked overall is still in a downward trend, including Amsterdam, Copenhagen, Vienna, Oslo, Lisbon ,Industrial base recovery more difficult, on the contrary is, Boston rose rapidly in America Including the Canadian Montreal and Toronto increase scope.

Table 8 Cities with bigger changes of position in ranking of industrial support

| City | 2013 | 2012 | Change of position | ABS of change |
|--------------|------|------|--------------------|---------------|
| Boston | 18 | 29 | 11 | 11 |
| Sao Paulo | 31 | 42 | 11 | 11 |
| Johannesburg | 34 | 45 | 11 | 11 |
| Amsterdam | 20 | 11 | -9 | 9 |
| Copenhagen | 38 | 30 | -8 | 8 |
| Melbourne | 30 | 23 | -7 | 7 |
| Taipei | 26 | 33 | 7 | 7 |
| Montreal | 32 | 38 | 6 | 6 |
| Toronto | 13 | 18 | 5 | 5 |
| Vienna | 36 | 31 | -5 | 5 |
| Milan | 29 | 24 | -5 | 5 |
| Rome | 37 | 32 | -5 | 5 |
| Seoul | 19 | 15 | -4 | 4 |

| | | | | |
|-----------|----|----|----|---|
| Oslo | 41 | 37 | -4 | 4 |
| Lisbon | 45 | 41 | -4 | 4 |
| Frankfurt | 10 | 7 | -3 | 3 |
| Zurich | 15 | 12 | -3 | 3 |
| Shenzhen | 14 | 17 | 3 | 3 |
| Helsinki | 42 | 39 | -3 | 3 |
| Dublin | 39 | 36 | -3 | 3 |

4. Service level

The indicator of service has two elements, including social management, working and

life. The index assesses all the two elements to evaluate the service standard of the 45 international financial centers and the top 10 cities are displayed in Table 9:

Table 9 Top 10 cities with highest service level

| Ranking | 2013 | 2012 | 2011 | 2010 |
|---------|-----------|-----------|-----------|------------|
| 1 | New York | New York | New York | London |
| 2 | London | London | London | New York |
| 3 | Tokyo | Tokyo | Tokyo | Tokyo |
| 4 | Hong Kong | Hong Kong | Hong Kong | Paris |
| 5 | Singapore | Paris | Paris | Hong Kong |
| 6 | Paris | Singapore | Singapore | Singapore |
| 7 | Zurich | Frankfurt | Shanghai | Zurich |
| 8 | Sydney | Zurich | Frankfurt | Washington |
| 9 | Frankfurt | Chicago | Geneva | Geneva |
| 10 | Chicago | Sydney | Zurich | Sydney |

The 2013 service index assessments show the following features:

On the one hand ,the service level for covering infrastructure, social management, working and life .These projects are advantage in developed countries where the traditional financial center are .Therefore ,in 2013 the top 10 cities are the cities in developed economies. No emerging economies cities are in the top 10 ranking of service level.

On the other hand, the service level ranking volatility ,Positive fluctuation respectively cities are Beijing, Shenzhen, Taipei, Dubai, Munich, Vancouver, Moscow,

St Pau .In addition to Munich ,most of the cities are emerging growth cities, although the city rankings back ,their service level improve very fast .Lay a solid foundation for the world financial center.

Table 10 Cities with bigger change of positions in ranking of *service level*

| City | 2013 | 2012 | Change of position | ABS of change |
|---------------|------|------|--------------------|---------------|
| Beijing | 19 | 35 | 16 | 16 |
| Shenzhen | 27 | 40 | 13 | 13 |
| Helsinki | 32 | 21 | -11 | 11 |
| Taipei | 26 | 36 | 10 | 10 |
| Rome | 39 | 29 | -10 | 10 |
| Copenhagen | 29 | 20 | -9 | 9 |
| Dublin | 40 | 31 | -9 | 9 |
| Madrid | 33 | 25 | -8 | 8 |
| Dubai | 21 | 27 | 6 | 6 |
| Munich | 20 | 26 | 6 | 6 |
| Vancouver | 18 | 24 | 6 | 6 |
| Stockholm | 24 | 18 | -6 | 6 |
| Lisbon | 44 | 38 | -6 | 6 |
| Geneva | 16 | 11 | -5 | 5 |
| Moscow | 37 | 41 | 4 | 4 |
| Sao Paulo | 41 | 45 | 4 | 4 |
| Amsterdam | 17 | 13 | -4 | 4 |
| Vienna | 23 | 19 | -4 | 4 |
| San Francisco | 11 | 14 | 3 | 3 |
| Toronto | 12 | 15 | 3 | 3 |
| Washington | 13 | 16 | 3 | 3 |
| Osaka | 31 | 34 | 3 | 3 |
| Brussels | 25 | 22 | -3 | 3 |
| Budapest | 45 | 42 | -3 | 3 |

Table 11 Top 10 cities with most favorable *general environment*

| Ranking | 2013 | 2012 | 2011 | 2010 |
|---------|-----------|-----------|-----------|------------|
| 1 | London | New York | London | London |
| 2 | New York | London | New York | New York |
| 3 | Hong Kong | Hong Kong | Tokyo | Tokyo |
| 4 | Tokyo | Frankfurt | Hong Kong | Hong Kong |
| 5 | Singapore | Tokyo | Paris | Paris |
| 6 | Paris | Singapore | Singapore | Washington |
| 7 | Zurich | Zurich | Amsterdam | Singapore |
| 8 | Frankfurt | Paris | Frankfurt | Sydney |
| 9 | Toronto | Geneva | Sydney | Zurich |
| 10 | Sydney | Amsterdam | Geneva | Frankfurt |

5. General environment

The indicator of general environment is composed of four sub-elements, including the economic environment, political environment, openness, and nature environment. The index assesses all these four elements to evaluate the general environment of the 45 international financial centers and the top 10 cities are displayed in Table 11:

The 2013 general environment index assessments demonstrate the following features:

On the one hand, general environmental ranking is similar with the ranking of service level, the financial center of the traditional

developed countries' outstanding political, economic, natural environment are important support for the development of the financial markets. Including legal, open, and the market are extremely important. In 2013, the top 10 cities are as the same as those in the last three years, it is relatively stable.

On the other hand, the general environment ranking of the countries which have a big fluctuation are most concentrated in Europe, Copenhagen, Vienna, Oslo, Amsterdam, Luxemburg. The cities of America such as Boston, San Francisco, Vancouver, and Washington are rising sharply. In the Asia Pacific region, Taipei, Shenzhen Shanghai to rise slightly.

Table 12 Cities with bigger changes of position in ranking of general environment

| City | 2013 | 2012 | Change of position | ABS of change |
|---------------|------|------|--------------------|---------------|
| Boston | 18 | 28 | 10 | 10 |
| Copenhagen | 25 | 15 | -10 | 10 |
| Vienna | 23 | 14 | -9 | 9 |
| Oslo | 27 | 18 | -9 | 9 |
| San Francisco | 11 | 19 | 8 | 8 |
| Moscow | 35 | 43 | 8 | 8 |
| Luxembourg | 37 | 29 | -8 | 8 |
| Vancouver | 17 | 23 | 6 | 6 |
| Amsterdam | 16 | 10 | -6 | 6 |
| Washington | 15 | 20 | 5 | 5 |
| Shenzhen | 31 | 36 | 5 | 5 |
| Melbourne | 21 | 26 | 5 | 5 |
| Geneva | 14 | 9 | -5 | 5 |
| Frankfurt | 8 | 4 | -4 | 4 |
| Johannesburg | 41 | 45 | 4 | 4 |
| Helsinki | 28 | 24 | -4 | 4 |
| Budapest | 44 | 40 | -4 | 4 |
| Taipei | 29 | 33 | 4 | 4 |
| Dublin | 34 | 31 | -3 | 3 |
| Buenos Aires | 45 | 42 | -3 | 3 |
| Shanghai | 13 | 16 | 3 | 3 |

II. Analysis of Global Financial Centers based on Geographic Distribution

The geographic distribution of the IFCD Index 2013's 45 financial centers around the world is showed in Table 13. According to the

table, Europe has the biggest number of financial centers, followed by the Asia-Pacific region and Africa. The American continent has 10 cities listed here, with eight coming from North America. Judging from the 2013 ranking, there are 5 Asia-Pacific region and Africa cities have rushed into the top 10, which means their collective strength is stabilizing and rising.

Table 13 Global distribution of cities under assessment

| Region | Cities involved | Top 10 cities in 2013 | Top 10 cities in 2012 | Top 10 cities in 2011 |
|-------------------------|-----------------|---|---|--|
| America | 10 | New York(1) Chicago(9) | New York(1) Chicago(10) | New York(1) |
| Europe | 21 | London(2) Paris(7) Frankfurt(8) | London(2) Frankfurt(7) Paris(8) Zurich(9) | London(2) Paris(7) Frankfurt(8) Amsterdam(10) |
| Asia Pacific and Africa | 14 | Hong Kong(3) Tokyo(4) Singapore(5) Shanghai(6) Sydney(10) | Tokyo(3) Hong Kong(4) Singapore(5) Shanghai(6) | Tokyo(3) Hong Kong(4) Singapore(5) Shanghai(6) Sydney(9) |

(I) General analysis

1. Financial centers in each continent

Group of the financial centers in America is the steadiest one in our list and the base of its stability comes from the support of the world's top economies which led by the

United States. From 2012, through stimulus package and fiscal cliff aversion, US is already on the route to recovery. Especially, a rapid process of re-industrialization provides an important basis for financial centers' development. In 2013, America's top 5 financial centers are New York, Chicago, San Francisco, Toronto and Washington.

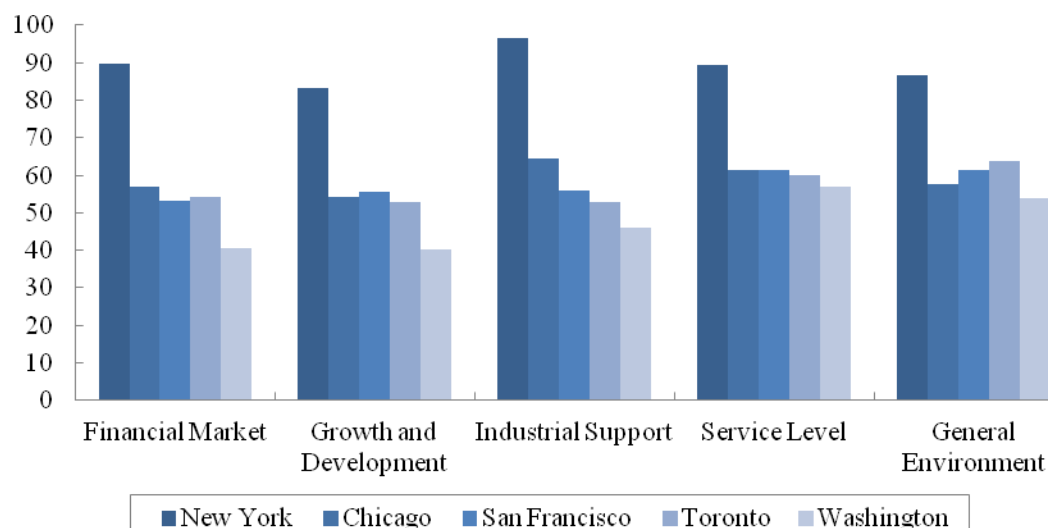


Figure 2 Indicator Scores Comparisons of the Top Five American Cities

With the title of traditional and old developed, Europe's financial hubs are the origin for the other centers. However, as the European Debt Crisis continue to ferment, several countries even on the edge of bankruptcy, European economy and the euro are continue to slump. We see Policies and measures to relieve this slump are often

invalid due to the loose Relationship between European countries. Even Germany economy have released several positive signals, other economies related to it are still in recession, which might drag down the Germany economy. In 2013, Europe's top 5 financial centers are London, Paris, Frankfurt, Zurich and Geneva.

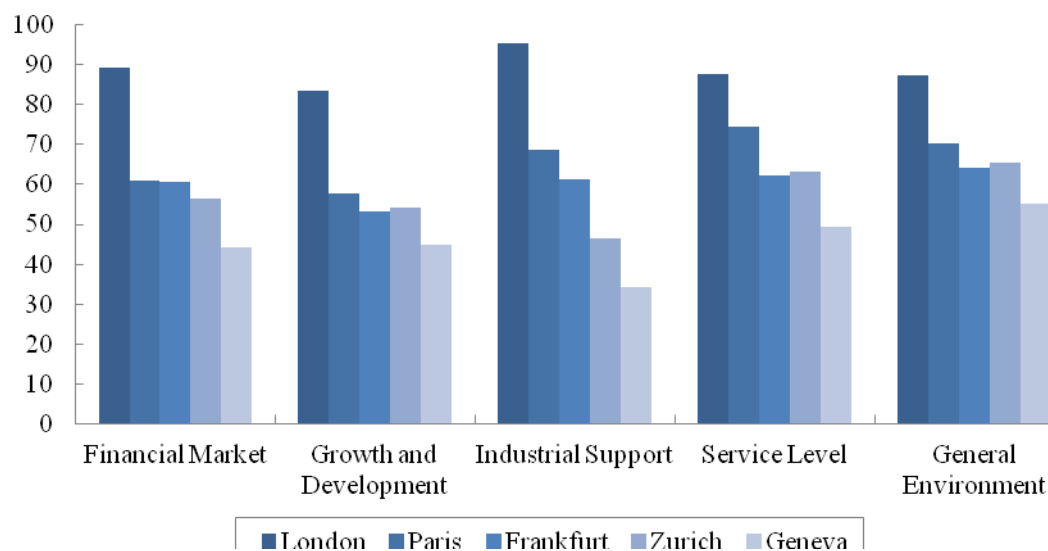


Figure 3 Indicator Scores Comparisons of the Top Five European Cities

Financial centers in Asia-Pacific region and Africa is a good team in the development of the world's financial structure. Economies

in these regions are highly complementary, with underlying growth potential and wide markets. All the basic elements have

supported the rapid expansion of the cities. Especially, the reformation and industries' upgrade led by China has brought a huge progress for the region. In 2013, the top 5

financial centers in Asia-Pacific region and Africa are Hong Kong, Tokyo, Singapore, Shanghai and Sydney.

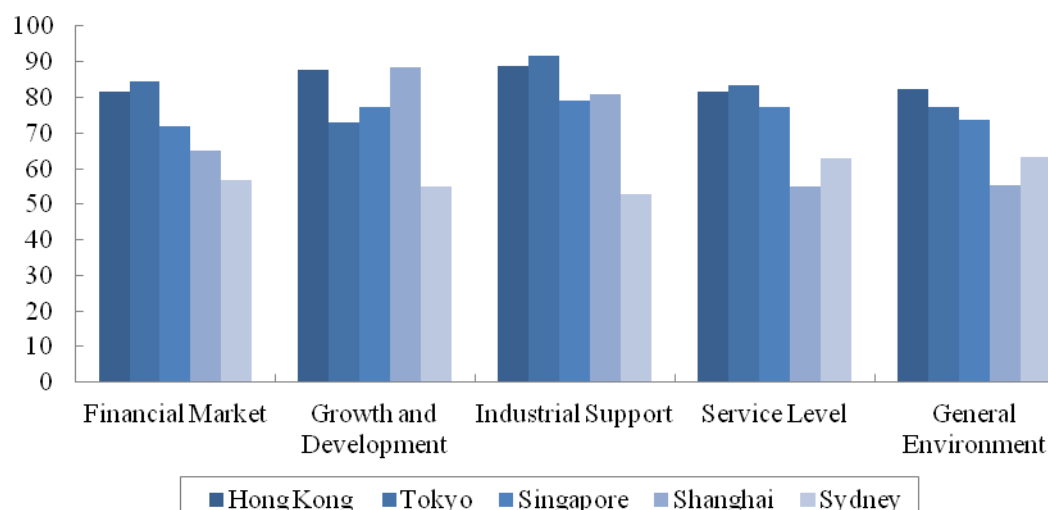


Figure 4 Indicator Scores Comparisons of the Top Five Asian Cities

2. Continents' rankings in each indicator

From the competitions in each indicator, financial centers in each continent are mainly present the following characteristics:

Firstly, with a stable ranking in America and Europe and a larger change in Asia-Pacific region and Africa, the distribution of the centers is balanced in all.

Secondly, from the elements of financial market and development and growth, in 2013, financial centers in Asia-Pacific region and Africa have outstanding performance which makes more of them entry the top 10. Particularly on development and growth, 7 cities in the top 10 are from these regions.

Thirdly, on service level and general environment, Financial centers in Asia-Pacific region and Africa remained close to their rivals in America and Europe, especially for

Tokyo, Hong Kong and Singapore, which are very stable in the list. However, cities like Shanghai, Shenzhen, Dubai and Sydney that score higher on development and growth are relatively weak on the two elements.

Table 14 Global distribution of top 10 cities in financial market

| Region | 2013 | 2012 | 2011 |
|--------------|---|---|---|
| America | New York(1) Chicago(9) | New York(1) Chicago(10) | New York(1) Chicago(10) |
| Europe | London(2) Paris(7) Frankfurt(8) | London(2) Frankfurt(5) Paris(8) Zurich(9) | London(2) Paris(5) Frankfurt(6) |
| Asia Pacific | Hong Kong(3) Tokyo(4) Singapore(5) Shanghai(6) Sydney(10) | Tokyo(3) Hong Kong(4) Shanghai(6) Singapore(7) | Tokyo(3) Hong Kong(4) Shanghai(7) Singapore(8) Beijing(9) |

Table 15 Global distribution of Top 10 cities on growth and development

| Region | 2013 | 2012 | 2011 |
|--------------|--|---|---|
| America | New York(4) | New York(2) | New York(4) |
| Europe | London(3) Paris(9) | London(3) Paris(9) Frankfurt(10) | London(7) |
| Asia Pacific | Shanghai(1) Hong Kong(2) Singapore(5) Beijing (6) Tokyo(7) Shenzhen(8) Dubai(10) | Shanghai(1) Hong Kong(4) Beijing (5) Tokyo(6) Singapore(7) Shenzhen(8) | Shanghai(1) Hong Kong(2) Tokyo(3) Singapore(5) Beijing(6) Dubai(8) Seoul(9) Shenzhen(10) |

Table 16 Global distribution of Top 10 cities on industrial support

| Region | 2013 | 2012 | 2011 |
|--------------|---|---|---|
| America | New York(1) Chicago(9) | New York(1) Chicago(10) | New York(1) Chicago(10) |
| Europe | London(2) Paris(8) Frankfurt(10) | London(2) Frankfurt(7) Paris(9) | London(3) Paris(7) Frankfurt(8) |
| Asia Pacific | Tokyo(3) Hong Kong(4) Shanghai(5) Singapore(6) Beijing(7) | Tokyo(3) Shanghai(4) Hong Kong(5) Singapore(6) Beijing(8) | Tokyo(2) Hong Kong(4) Singapore(5) Shanghai(6) Beijing(9) |

Table 17 Global distribution of Top 10 cities on service level

| Region | 2013 | 2012 | 2011 |
|--------------|---|--|--|
| America | New York(1) Chicago(10) | New York(1) Chicago(9) | New York(1) |
| Europe | London(2) Paris(6) Zurich(7) Frankfurt(9) | London(2) Paris(5) Frankfurt(7) Zurich(8) | London(2) Paris(5) Frankfurt(8) Geneva(9) Zurich(10) |
| Asia Pacific | Tokyo(3) Hong Kong(4) Singapore(5) Sydney(8) | Tokyo(3) Hong Kong(4) Singapore(6) Sydney(10) | Tokyo(3) Hong Kong(4) Singapore(6) Shanghai(7) |

Table 18 Global distribution of Top 10 cities on general environment

| Region | 2013 | 2012 | 2011 |
|--------------|--|---|--|
| America | New York(2) Toronto (10) | New York(1) | New York(2) |
| Europe | London(1) Paris(6) Zurich(7) Frankfurt(8) | London(2) Frankfurt(4) Paris(8) Zurich(7) Geneva(9) Amsterdam (10) | London(1) Paris(5) Amsterdam (7) Frankfurt(8) Geneva(10) |
| Asia Pacific | Hong Kong(3) Tokyo(4) Singapore(5) Sydney(10) | Hong Kong(3) Tokyo(5) Singapore(6) | Tokyo(3) Hong Kong(4) Singapore(6) Sydney(9) |

(II) Evaluations of interviewees from different regions on the development indicators of international financial centers

A major innovation in IFCD Index 2013 is by using information system in Xinhua news agency, we made a subjective survey facing global financial and related professionals. The survey mainly serves the comprehensive ranking; meanwhile, by digging deeper the data we could obtain some

more objective evaluations pointed to different development indicators.

In 2013, the Xinhua news agency global information collection system has obtained 4856 valid questionnaires. The sample distribution is balanced as a whole, including 1217 from America, 1809 from Europe and 1830 from Asia-Pacific region and Africa.

Table 19 Continents of questionnaires' respondents

| Region | Sample amount | Proportion (%) |
|-------------------------|---------------|----------------|
| America | 1217 | 25.06 |
| Europe | 1809 | 37.25 |
| Asia Pacific and Africa | 1830 | 37.69 |
| Total | 4856 | 100.00 |

1. Evaluations from interviewees in different regions on the indicator of financial market

Apart from New York, London, Hong Kong and Singapore, European respondents don't think there are more commendable developed financial markets in Asia-Pacific region. To the contrary, American respondents

consider cities like Shanghai, Beijing, St Paul and Buenos Aires also own financial markets which can list on the top 20. Interviewees from Asia-Pacific region and Africa relatively approve noted cities like New York, London, Hong Kong, Paris and Tokyo. Beyond that, they tend to give high scores to boom cities like Taipei and Bombay.

Table 20 Valuations of financial markets by respondents from various regions

| Ranking | America | | Europe | | Asia Pacific and Africa | |
|---------|---------------|-------|------------|-------|-------------------------|-------|
| | City | Ratio | City | Ratio | City | Ratio |
| 1 | New York | 38.70 | London | 27.58 | New York | 34.32 |
| 2 | Toronto | 18.90 | New York | 22.22 | Hong Kong | 29.89 |
| 3 | London | 17.17 | Frankfurt | 14.21 | London | 27.54 |
| 4 | Chicago | 13.72 | Paris | 9.95 | Tokyo | 21.20 |
| 5 | San Francisco | 11.50 | Zurich | 9.67 | Singapore | 20.98 |
| 6 | Tokyo | 11.09 | Tokyo | 8.40 | Shanghai | 17.60 |
| 7 | Boston | 9.86 | Hong Kong | 6.91 | Sydney | 13.22 |
| 8 | Washington | 9.29 | Brussels | 6.25 | Beijing | 11.31 |
| 9 | Hong Kong | 9.20 | Geneva | 5.58 | Washington | 8.85 |
| 10 | Vancouver | 7.97 | Milan | 5.25 | Dubai | 8.69 |
| 11 | Montreal | 6.82 | Amsterdam | 5.14 | Melbourne | 8.42 |
| 12 | Paris | 6.33 | Madrid | 4.20 | Paris | 8.36 |
| 13 | Sao Paulo | 5.42 | Singapore | 4.20 | Taipei | 7.05 |
| 14 | Shanghai | 4.93 | Stockholm | 4.15 | Chicago | 6.89 |
| 15 | Zurich | 4.85 | Luxembourg | 3.92 | Seoul | 6.78 |
| 16 | Beijing | 4.77 | Munich | 3.81 | Mumbai | 6.72 |
| 17 | Singapore | 4.35 | Rome | 3.54 | San Francisco | 6.17 |
| 18 | Frankfurt | 4.11 | Moscow | 3.54 | Frankfurt | 6.07 |
| 19 | Geneva | 3.86 | Vienna | 3.21 | Shenzhen | 6.01 |
| 20 | Buenos Aires | 3.53 | Washington | 3.21 | Zurich | 5.79 |

Note: 1. The city in cell is European city, in cell is American city, in cell is the Asia Pacific or African city. Tables from 21 to 24 are showed in the same way; 2. The "Proportion" in the table is the ratio of the number of respondents who believe the city is outstanding to the total number of respondents in each continent. The proportions in the table from 21 to 24 are calculated in the same way.

2. Evaluations from interviewees in different regions on the growth and development indicator

Interviewees from the three regions have mutually given high scores to financial centers in Asia-Pacific region on the growth and development indicator. Even the normally stodgy European interviewees have list

Beijing, Shanghai and Dubai into the top 20 cities measured by the growth and development indicator.

It's worth noting that Asia-Pacific region and Africa Interviewees have still list New York and London into the top 5, which means their irreplaceability in the global financial development structure.

Table 21 Valuations of growth and development by respondents from various regions

| Ranking | America | | Europe | | Asia Pacific and Africa | |
|---------|---------------|-------|-----------|-------|-------------------------|-------|
| | City | Ratio | City | Ratio | City | Ratio |
| 1 | New York | 34.35 | London | 17.74 | Shanghai | 28.47 |
| 2 | Toronto | 15.20 | New York | 14.65 | Hong Kong | 23.50 |
| 3 | London | 13.31 | Frankfurt | 9.51 | New York | 20.98 |
| 4 | Chicago | 12.00 | Hong Kong | 8.02 | Singapore | 19.62 |
| 5 | San Francisco | 10.93 | Paris | 7.08 | London | 16.12 |
| 6 | Hong Kong | 9.53 | Zurich | 6.91 | Beijing | 15.85 |
| 7 | Boston | 9.45 | Tokyo | 6.63 | Tokyo | 15.19 |
| 8 | Tokyo | 9.29 | Singapore | 4.64 | Shenzhen | 11.15 |
| 9 | Washington | 8.87 | Brussels | 4.48 | Sydney | 11.15 |
| 10 | Vancouver | 7.40 | Amsterdam | 4.26 | Dubai | 10.87 |
| 11 | Beijing | 6.33 | Geneva | 3.81 | Mumbai | 8.74 |
| 12 | Montreal | 6.00 | Munich | 3.54 | Seoul | 8.14 |
| 13 | Sao Paulo | 5.75 | Moscow | 3.48 | Melbourne | 8.14 |
| 14 | Shanghai | 5.51 | Stockholm | 3.32 | Taipei | 7.81 |
| 15 | Paris | 5.09 | Beijing | 3.26 | Washington | 6.67 |
| 16 | Zurich | 4.27 | Milan | 3.21 | Paris | 6.45 |
| 17 | Singapore | 3.94 | Shanghai | 3.10 | San Francisco | 6.17 |
| 18 | Buenos Aires | 3.78 | Vienna | 2.93 | Chicago | 5.96 |
| 19 | Dubai | 3.78 | Dublin | 2.87 | Zurich | 4.97 |
| 20 | Frankfurt | 2.71 | Dubai | 2.87 | Osaka | 4.70 |

Note: 1. The city in cell is European city, in cell is American city, in cell is the Asia Pacific or African city. Tables from 21 to 24 are showed in the same way; 2. The "Proportion" in the table is the ratio of the number of respondents who believe the city is outstanding to the total number of respondents in each continent. The proportions in the table from 21 to 24 are calculated in the same way.

3. Evaluations from interviewees in different regions on the industrial support indicator

Situation on the indicator of industrial

support is similar to that on the growth and development. American and European interviewees admit financial centers in Asia-Pacific region such as Tokyo, Hong

Kong, Singapore, Beijing, Shanghai and Dubai enjoy high level of industrial support. European interviewees regard only New York

and Washington have good industrial support. By comparison, American interviewees have listed London, Paris, Frankfurt and Zurich.

Table 22 Valuations of industrial support by respondents from various regions

| Ranking | America | | Europe | | Asia Pacific and Africa | |
|---------|---------------|-------|------------|-------|-------------------------|-------|
| | City | Ratio | City | Ratio | City | Ratio |
| 1 | New York | 33.85 | London | 17.74 | New York | 25.79 |
| 2 | Chicago | 15.53 | New York | 13.93 | Hong Kong | 22.30 |
| 3 | Toronto | 15.12 | Frankfurt | 10.61 | Tokyo | 20.82 |
| 4 | London | 13.80 | Zurich | 7.24 | London | 19.56 |
| 5 | San Francisco | 11.34 | Tokyo | 7.24 | Shanghai | 18.85 |
| 6 | Boston | 10.60 | Paris | 6.74 | Singapore | 17.05 |
| 7 | Tokyo | 10.19 | Hong Kong | 5.69 | Beijing | 12.84 |
| 8 | Washington | 10.02 | Amsterdam | 4.81 | Sydney | 10.55 |
| 9 | Vancouver | 7.72 | Milan | 4.48 | Taipei | 8.20 |
| 10 | Hong Kong | 7.72 | Munich | 4.31 | Melbourne | 8.03 |
| 11 | Montreal | 6.00 | Brussels | 4.26 | Paris | 7.92 |
| 12 | Paris | 5.67 | Madrid | 3.70 | Washington | 7.81 |
| 13 | Beijing | 5.09 | Geneva | 3.70 | Seoul | 7.81 |
| 14 | Sao Paulo | 4.68 | Stockholm | 3.37 | Dubai | 7.65 |
| 15 | Shanghai | 4.27 | Vienna | 3.21 | Shenzhen | 7.32 |
| 16 | Singapore | 4.11 | Singapore | 3.15 | Mumbai | 7.21 |
| 17 | Frankfurt | 3.29 | Beijing | 2.93 | Chicago | 6.94 |
| 18 | Zurich | 3.29 | Dublin | 2.87 | Frankfurt | 6.56 |
| 19 | Dubai | 3.29 | Moscow | 2.60 | Osaka | 5.74 |
| 20 | Rome | 2.96 | Washington | 2.54 | San Francisco | 5.08 |

Note: 1. The city in cell is European city, in cell is American city, in cell is the Asia Pacific or African city. Tables from 21 to 24 are showed in the same way; 2. The "Proportion" in the table is the ratio of the number of respondents who believe the city is outstanding to the total number of respondents in each continent. The proportions in the table from 21 to 24 are calculated in the same way.

4. Evaluations from interviewees in different regions on the indicator of service

American and European interviewees think the service level in Asia-Pacific region is not high. Compared with scores obtained on indicators of financial market, growth and development and industrial support, services

level in Tokyo and Hong Kong are regarded to be relatively low. According to European interviewees, Shanghai has not been selected into the top 20 Judged by services level. As the capital of China, Beijing is picked by American interviewees into the top 20 due to its given advantages in aspect of service level.

Table 23 Valuations of service standards by respondents from various regions

| Ranking | America | | Europe | | Asia Pacific and Africa | |
|---------|---------------|-------|------------|-------|-------------------------|-------|
| | City | Ratio | City | Ratio | City | Ratio |
| 1 | New York | 30.57 | London | 19.68 | New York | 26.72 |
| 2 | Toronto | 16.43 | New York | 12.88 | Hong Kong | 26.12 |
| 3 | London | 14.13 | Paris | 11.00 | Tokyo | 24.04 |
| 4 | Chicago | 13.31 | Frankfurt | 10.72 | London | 22.46 |
| 5 | San Francisco | 12.74 | Zurich | 8.18 | Singapore | 20.33 |
| 6 | Boston | 11.75 | Madrid | 5.36 | Shanghai | 13.01 |
| 7 | Washington | 11.67 | Brussels | 5.25 | Sydney | 12.57 |
| 8 | Vancouver | 10.19 | Amsterdam | 5.14 | Paris | 9.45 |
| 9 | Tokyo | 9.12 | Tokyo | 5.03 | Melbourne | 9.34 |
| 10 | Montreal | 8.22 | Munich | 4.59 | Washington | 8.96 |
| 11 | Paris | 6.82 | Geneva | 4.37 | Beijing | 8.85 |
| 12 | Hong Kong | 6.74 | Stockholm | 4.31 | Dubai | 8.47 |
| 13 | Buenos Aires | 4.27 | Vienna | 3.98 | Taipei | 7.76 |
| 14 | Zurich | 4.03 | Hong Kong | 3.76 | Chicago | 6.17 |
| 15 | Frankfurt | 3.94 | Milan | 3.32 | Seoul | 5.68 |
| 16 | Beijing | 3.78 | Rome | 3.15 | Zurich | 5.41 |
| 17 | Sao Paulo | 3.70 | Dublin | 3.10 | San Francisco | 5.30 |
| 18 | Singapore | 3.53 | Luxembourg | 2.82 | Osaka | 5.25 |
| 19 | Sydney | 3.12 | Washington | 2.65 | Mumbai | 4.97 |
| 20 | Geneva | 3.04 | Sydney | 2.60 | Frankfurt | 4.92 |

Note: 1. The city in cell is European city, in cell is American city, in cell is the Asia Pacific or African city. Tables from 21 to 24 are showed in the same way; 2. The "Proportion" in the table is the ratio of the number of respondents who believe the city is outstanding to the total number of respondents in each continent. The proportions in the table from 21 to 24 are calculated in the same way.

5. Evaluations from interviewees in different regions on the indicator of general environment

Ranking on general environment is similar to that on service in which American and European interviewees haven't given a better evaluation to the cities in Asia-Pacific region.

Cities that come out looking good are those capitals like Beijing, Tokyo and Sydney.

As China's unique economic Freeport, Hong Kong is always in the top 20 according to its perfect infrastructure and environment.

Table 24 Valuations of the country's general environment by respondents from various regions

| Ranking | America | | Europe | | Asia Pacific and Africa | |
|---------|---------------|-------|------------|-------|-------------------------|-------|
| | City | Ratio | City | Ratio | City | Ratio |
| 1 | New York | 30.32 | London | 19.90 | New York | 29.02 |
| 2 | Toronto | 16.35 | New York | 15.53 | Hong Kong | 24.48 |
| 3 | London | 14.13 | Frankfurt | 9.95 | London | 20.55 |
| 4 | San Francisco | 12.65 | Paris | 8.62 | Singapore | 16.61 |
| 5 | Washington | 12.08 | Zurich | 8.51 | Tokyo | 15.14 |
| 6 | Chicago | 10.85 | Brussels | 5.97 | Sydney | 11.86 |
| 7 | Vancouver | 9.29 | Amsterdam | 5.36 | Shanghai | 10.55 |
| 8 | Boston | 9.20 | Tokyo | 4.92 | Paris | 8.69 |
| 9 | Tokyo | 8.71 | Geneva | 4.48 | Melbourne | 8.42 |
| 10 | Paris | 6.33 | Madrid | 4.31 | Washington | 8.09 |
| 11 | Montreal | 5.67 | Stockholm | 4.09 | Beijing | 7.16 |
| 12 | Hong Kong | 4.60 | Vienna | 3.92 | Taipei | 6.78 |
| 13 | Buenos Aires | 3.86 | Hong Kong | 3.92 | Dubai | 6.61 |
| 14 | Sao Paulo | 3.86 | Munich | 3.48 | Chicago | 5.85 |
| 15 | Zurich | 3.62 | Washington | 3.04 | San Francisco | 5.68 |
| 16 | Frankfurt | 3.37 | Copenhagen | 2.99 | Shenzhen | 5.25 |
| 17 | Geneva | 3.37 | Luxembourg | 2.87 | Seoul | 5.14 |
| 18 | Sydney | 3.29 | Milan | 2.82 | Frankfurt | 5.08 |
| 19 | Beijing | 3.12 | Sydney | 2.82 | Zurich | 5.03 |
| 20 | Amsterdam | 2.96 | Dublin | 2.71 | Geneva | 4.70 |

Note: 1. The city in cell is European city, in cell is American city, in cell is the Asia Pacific or African city. Tables from 21 to 24 are showed in the same way; 2. The "Proportion" in the table is the ratio of the number of respondents who believe the city is outstanding to the total number of respondents in each continent. The proportions in the table from 21 to 24 are calculated in the same way.

III. Special Analysis on the Development of Financial Centers in BRICS Countries

In the year of 2013, our research group continues to regard Shanghai, Johannesburg, Sao Paulo, Moscow and Mumbai as representative cities of BRICS countries' financial centers, and we take these five cities

as sample to conduct special investigation into developing confidence and development conditions of elements related to finance of BRICS countries' financial centers.

(I) Confidence analysis

Confidence analysis mainly investigates interviewees' confidence for the most representative cities in the BRIC countries becoming international financial centers. Scores of 5 expressed fully confident; 4 expressed somewhat confident; 3 represent neither; 2 represents not that confident; 1 represents have no confidence at all.

Table 25 Comparisons of Confidence Index of the Financial Centers in BRICS countries

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Comprehensive scores | Ranking 2013 | Ranking 2012 |
|--------------|---------|---------|---------|---------|---------|----------------------|--------------|--------------|
| Shanghai | 3.11% | 8.26% | 18.45% | 45.90% | 24.28% | 3.80 | 1 | 1 |
| Johannesburg | 7.36% | 20.87% | 35.88% | 27.25% | 8.64% | 3.09 | 2 | 5 |
| Sao Paulo | 6.26% | 22.16% | 36.55% | 27.25% | 7.78% | 3.08 | 3 | 2 |
| Moscow | 9.72% | 22.30% | 32.02% | 27.39% | 8.58% | 3.03 | 4 | 4 |
| Mumbai | 11.32% | 22.86% | 29.04% | 26.96% | 9.82% | 3.01 | 5 | 3 |

Note: The percentage in the second column refers to the ratio of the number of respondents, who believe the confidence score of the city is 1, to the total number of respondents who are familiar with the city. The percentages in the second column to the sixth column are calculated in the same way. If sum of the percentages are not equal to 100%, it is because of round-off error. Comprehensive scores are weighted average. The weight is the percentage. The Comprehensive scores and percentages in the table from 26 to 32 are calculated in the same way.

Based on table 25, we can conclude that the confidence scores received by the respondents for the BRICS countries have the following features:

First and foremost, Shanghai still stands out this year, ranking first and followed by Johannesburg, Sao Paulo, Moscow and Mumbai. Compared with 2012, Johannesburg is raising faster, while Sao Paulo and Mumbai have drops in both.

Secondly, there is a large confidence gap

between Shanghai and the other four cities. With the second place, Johannesburg lagging behind by 0.71, yet the score difference is negligible between other cities.

Thirdly, the scores Shanghai gets mainly alternate between 4 and 5 percent, with the total percentage 70.18, while the rest end up with more percent scores of 2 and 4.

(II) Investments attraction analysis

Investments attraction will compare the capital attracting powers between the 5 cities. 5 represents very good and 1 represents very bad.

Table 26 Capital attraction index comparison of the BRICS countries

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Comprehensive scores | Ranking 2013 | Ranking 2012 |
|--------------|---------|---------|---------|---------|---------|----------------------|--------------|--------------|
| Shanghai | 1.41% | 5.66% | 23.15% | 47.71% | 22.07% | 3.83 | 1 | 1 |
| Moscow | 3.43% | 14.92% | 36.82% | 33.28% | 11.55% | 3.35 | 2 | 2 |
| Johannesburg | 3.59% | 14.72% | 42.38% | 30.20% | 9.10% | 3.26 | 3 | 3 |
| Sao Paulo | 2.69% | 16.02% | 44.04% | 27.89% | 9.36% | 3.25 | 4 | 4 |
| Mumbai | 4.97% | 17.73% | 36.49% | 30.77% | 10.05% | 3.23 | 5 | 5 |

From table 26, we can see that financial centers in BRICS countries attract investments in following pattern:

Firstly, Shanghai on the whole takes the lead in terms of the capital attraction among the whole five by achieving a higher score, with the next in ranking order being Moscow, Johannesburg, Sao Paulo and Mumbai.

Secondly, as far as the respondents' grading in terms of confidence level is concerned, Shanghai leads the rankings with

Moscow, Mumbai, Sao Paulo and Johannesburg lagging behind.

Thirdly, the scores Shanghai gets mainly alternate between 4 and 5 percent, with the total percentage 69.78, while the rest end up with more percent scores of 3 and 4.

(III) Analysis of talent attraction

Talent attraction focuses on the comparisons of the degree of attraction of talents among the five countries as financial centers. 5 represents very good and 1 represents very bad.

Table 27 Comparisons of the talents elements attraction capacity of the financial centers in BRICS countries

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Comprehensive scores | Ranking 2013 | Ranking 2012 |
|--------------|---------|---------|---------|---------|---------|----------------------|--------------|--------------|
| Shanghai | 1.92% | 7.24% | 26.83% | 44.14% | 19.86% | 3.73 | 1 | 1 |
| Mumbai | 5.14% | 18.82% | 34.18% | 31.18% | 10.68% | 3.23 | 2 | 5 |
| Johannesburg | 4.23% | 17.97% | 38.78% | 30.43% | 8.58% | 3.21 | 3 | 3 |
| Moscow | 4.57% | 17.67% | 39.91% | 28.64% | 9.21% | 3.20 | 4 | 4 |
| Sao Paulo | 3.16% | 18.07% | 42.40% | 28.13% | 8.25% | 3.20 | 5 | 2 |

Note: The comprehensive score of Moscow and Sao Paulo are 3.2024 and 3.2023.

From table 27, we can see that: Firstly, Shanghai is on the whole more attractive to talent than other cities, taking first place among the five, with the ensuing cities, Mumbai, Johannesburg, Moscow and Sao Paulo. Compared with 2012, Mumbai has raised 3 places while Sao Paulo dropped 3 places.

Secondly, as far as the respondents' grading in terms of the five-score confidence level is concerned, Shanghai ranks first with Mumbai, Moscow, Johannesburg and Sao

Paulo following behind.

(IV) Analysis of abundant degree of financial products

Abundant degree of financial products focuses mainly on the comparisons of the richness and diversification of financial products such as bonds, stocks, futures, commodities, foreign exchange, funds in each city. 5 represents very good and 1 represents very bad.

Table 28 Comparisons of abundant degree of the financial markets in BRICS financial centers

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Comprehensive scores | Ranking 2013 |
|--------------|---------|---------|---------|---------|---------|----------------------|--------------|
| Shanghai | 1.75% | 8.26% | 32.94% | 41.14% | 15.90% | 3.61 | 1 |
| Johannesburg | 3.59% | 14.32% | 45.16% | 29.10% | 7.83% | 3.23 | 2 |
| Sao Paulo | 2.34% | 18.01% | 44.97% | 27.78% | 6.90% | 3.19 | 3 |
| Moscow | 3.66% | 18.01% | 42.14% | 29.16% | 7.03% | 3.18 | 4 |
| Mumbai | 4.45% | 19.11% | 40.53% | 28.58% | 7.33% | 3.15 | 5 |

From table 28, we can conclude that the richness of financial products in the BRICS countries have the following features:

Firstly, Shanghai's scores are on the whole higher than those of other cities, ranking the first among the five. The following ranking is in the order of Johannesburg, Sao Paulo, Moscow and Mumbai.

Secondly, as far as the respondents' grading in terms of the five-score confidence level is concerned, Shanghai takes the lead, followed by Johannesburg, Mumbai, Moscow and Sao Paulo.

(V) Analysis of degree of financial innovation

The degree of financial innovation focuses mainly on the comparison of the financial products creativity, financial system creativity, and financial service innovation in each city. 5 represents very good and 1 represents very bad.

Table 29 Comparisons of the degree of financial innovation of the financial centers in BRICS countries

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Comprehensive scores | Ranking 2013 | Ranking 2012 |
|--------------|---------|---------|---------|---------|---------|----------------------|--------------|--------------|
| Shanghai | 2.04% | 9.05% | 32.03% | 41.94% | 14.94% | 3.59 | 1 | 1 |
| Johannesburg | 3.30% | 17.62% | 44.00% | 27.94% | 7.13% | 3.18 | 2 | 3 |
| Sao Paulo | 2.75% | 20.29% | 45.38% | 24.62% | 6.96% | 3.13 | 3 | 2 |
| Mumbai | 5.20% | 20.44% | 40.01% | 27.25% | 7.10% | 3.11 | 4 | 5 |
| Moscow | 4.69% | 21.50% | 41.11% | 25.96% | 6.75% | 3.09 | 5 | 4 |

From the table 29, we can see that: firstly, Shanghai has on the whole higher scores than other cities, ranking first among the five, followed by Johannesburg, Sao Paulo, Mumbai and Moscow.

Secondly, as far as the respondents' grading in terms of the five-score confidence level is concerned, Shanghai takes the lead with Johannesburg, Mumbai, Sao Paulo and Moscow following behind.

(VI) Analysis of degree of financing facilities

The degree of financial facilities focuses on comparisons of the degree of facility of financing channels and financing policies in each city. 5 represents very good and 1 represents very bad.

Table 30 Comparisons of degree of facilities of financial centers in BRICS countries

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Comprehensive scores | Ranking 2013 | Ranking 2012 |
|--------------|---------|---------|---------|---------|---------|----------------------|--------------|--------------|
| Shanghai | 1.98% | 10.07% | 34.86% | 38.88% | 14.20% | 3.53 | 1 | 1 |
| Johannesburg | 3.88% | 15.77% | 45.10% | 28.17% | 7.07% | 3.19 | 2 | 2 |
| Sao Paulo | 3.27% | 18.36% | 46.43% | 25.26% | 6.67% | 3.14 | 3 | 3 |
| Moscow | 5.20% | 19.04% | 42.54% | 26.36% | 6.86% | 3.11 | 4 | 4 |
| Mumbai | 5.31% | 20.84% | 41.74% | 24.77% | 7.33% | 3.08 | 5 | 5 |

From table 30, we can see that: firstly, Shanghai scores on the whole higher than other cities, ranking first among the five, followed by Johannesburg, Sao Paulo, Moscow, and Mumbai.

Secondly, as far as the respondents' gradings in terms of the five-score confidence level are concerned, Shanghai ranks first with Mumbai, Johannesburg, Moscow and Sao Paulo following behind.

(VII) Analysis of intermediary service level

Intermediary Service Standard focuses on the comparisons of the related intermediary services degree of the financial center construction in each city, including credit rating, investment and financing consultation, financial information, accounting and auditing agency, and asset evaluation. 5 represents very good and 1 represents very bad.

Table 31 Comparisons of Intermediary Service Level of financial centers in BRICS countries

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Comprehensive scores | Ranking 2013 | Ranking 2012 |
|--------------|---------|---------|---------|---------|---------|----------------------|--------------|--------------|
| Shanghai | 2.21% | 10.41% | 36.05% | 38.37% | 12.96% | 3.49 | 1 | 1 |
| Johannesburg | 3.65% | 17.39% | 44.93% | 27.88% | 6.14% | 3.15 | 2 | 2 |
| Sao Paulo | 3.10% | 19.59% | 47.19% | 23.45% | 6.67% | 3.11 | 3 | 3 |
| Moscow | 4.63% | 19.04% | 44.83% | 24.99% | 6.52% | 3.10 | 4 | 4 |
| Mumbai | 5.48% | 22.00% | 40.47% | 24.54% | 7.51% | 3.07 | 5 | 5 |

From table 31, we can see that: firstly, Shanghai on the whole scores higher than other cities, ranking first among the five, followed by Johannesburg, Sao Paulo, Moscow, and Mumbai.

Secondly, only as far as the respondents' grading in terms of the five-score confidence level is concerned, Shanghai rank the top, followed by Mumbai, Sao Paulo, Moscow and Johannesburg.

(VIII) Analysis of degree of perfection of financial legal environment

The degree of perfection of the financial legal environment focuses on the comparison of the degrees of perfection of the litigation, arbitration, and legal services environment related to financial business disputes, case processing, and so on as well as the soundness of the national and regional financial rules and regulations. 5 represents very good and 1 represents very bad.

Table 32 Comparison of the degree of perfection of the financial legal environment of the financial centers in BRICS countries

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Comprehensive scores | Ranking 2013 | Ranking 2012 |
|--------------|---------|---------|---------|---------|---------|----------------------|--------------|--------------|
| Shanghai | 5.66% | 17.60% | 35.09% | 30.84% | 10.81% | 3.24 | 1 | 1 |
| Johannesburg | 5.86% | 20.12% | 41.62% | 26.32% | 6.09% | 3.07 | 2 | 2 |
| Sao Paulo | 5.03% | 24.15% | 41.58% | 23.04% | 6.20% | 3.01 | 3 | 3 |
| Moscow | 9.89% | 24.59% | 37.11% | 22.07% | 6.35% | 2.90 | 4 | 4 |
| Mumbai | 8.72% | 26.91% | 36.61% | 21.48% | 6.29% | 2.89 | 5 | 5 |

From table 32, we can see that: firstly, Shanghai scores on the whole higher than other cities, ranking first among the five, followed by Johannesburg, Sao Paulo, Moscow and Mumbai.

Secondly, only as far as the respondents' grading in terms of the five-score confidence level is concerned, Shanghai ranks first with, Moscow, Mumbai, Sao Paulo and Johannesburg following behind.

(IX) Analysis of degree of currency international recognition

Degree of currency international recognition mainly focuses on the comparison of interviewees' recognition about the

currencies of BRICS countries. 5 means fully recognizable, 4 represents somewhat recognizable; 3 represent neither; 2 represents not that recognizable; 1 shows have no recognition at all.

Table 33 Comparison of the currency international recognition index of BRICS countries

| City | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Currency Knowledge Degree | Ranking 2012 | Ranking 2011 |
|---------------------|---------|---------|---------|---------|---------|---------------------------|--------------|--------------|
| RMB(China) | 8.75% | 17.93% | 30.33% | 24.73% | 18.26% | 3.258 | 1 | 1 |
| Rupee(India) | 11.52% | 25.33% | 35.33% | 19.89% | 7.93% | 2.874 | 2 | 4 |
| Real(Brazil) | 12.55% | 26.30% | 32.61% | 18.42% | 10.11% | 2.872 | 3 | 3 |
| RBL(Russia) | 12.50% | 29.73% | 35.11% | 16.03% | 6.63% | 2.746 | 4 | 2 |
| Rand (South Africa) | 13.53% | 31.52% | 32.34% | 14.89% | 7.72% | 2.717 | 5 | 5 |

Note: The percentage in the second column refers to the ratio of the number of respondents, who believes the internationalization level of the currency is "Score 1", to the total number of respondents. The percentages in the second column to the sixth column are calculated in the same way. If sum of the percentages are not equal to 100%, it is because of round-off error.

From table 33, respondents' scores on the currencies of BRICS countries are featured by:

First of all, the RMB is still the most recognizable currency, followed by the Indian rupee, Brazilian real, Russian ruble and South African rand.

Secondly, the difference between the RMB and the second place ruble is 0.38, and between the fifth place rand 0.54. The biggest difference among the other four currencies is

0.16. The recognition of the RMB is the highest, which not only has to do with China's economic growth momentum but is also closely related to the Chinese government's reform of the exchange rate mechanism of RMB as well as the promotion of RMB internationalization.

Thirdly, as far as the corresponding scores above 20 percent the five currencies have got in each column are concerned, the RMB is within the range of 3-4, the others are 2-4.

IV. Introduction to Research

Approach of IFCD Index

(I) General framework

1. Research roadmap

The 2013 Xinhua-Dow Jones

International Financial Center Development Index (IFCD Index 2013) continues to adopt the research roadmaps for the IFCD Index 2012, IFCD Index 2011 and the IFCD Index 2010. The calculation of the IFCD Index is based on a subjective questionnaire survey and objective data collection via the global data collection systems of Xinhua News Agency and its strategic cooperation partners. Figure 5 shows the research roadmap for the formation of the IFCD Index. (Figure 5)

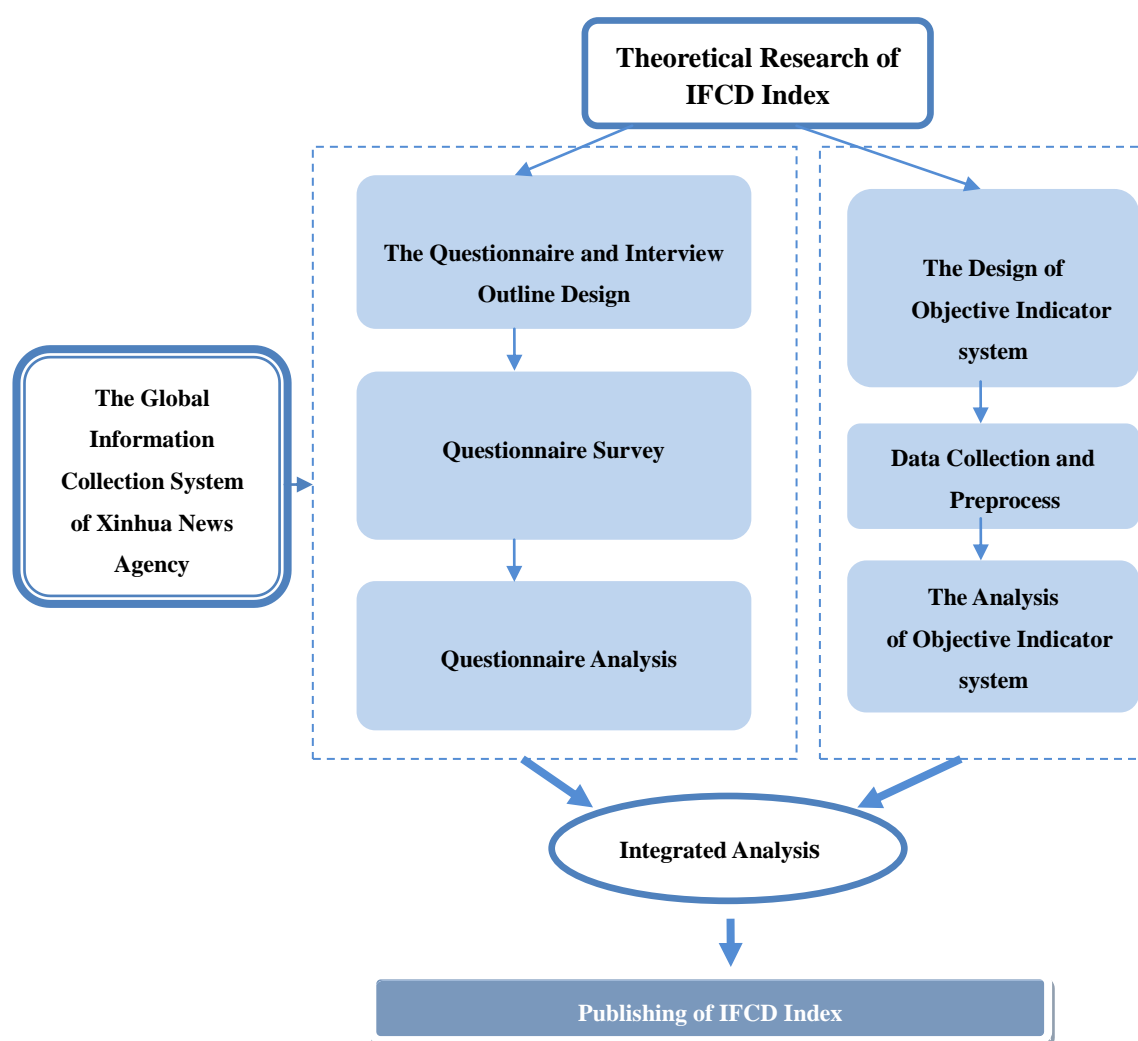


Figure 5 Research Route Map of IFCD Index 2013

2. Levels of analysis and analytic framework

In analyzing the index, a multi-level analytic framework is adopted to conduct an

all-round analysis on the development situation of the 45 cities as international financial centers. The first level is a comprehensive evaluation of the International

Financial Center Development Index based on the different index scores of each city.

The emphasis of the second level analysis is to analyze the advantages and weaknesses of each financial center by breaking down the International Financial Center Development Index and analyzing each element.

The third level is to find out the regional characteristics of these financial centers and examine regional environment's impact on role of international centers.

The last level is a special study on the financial centers of the BRICS countries by reviewing these hot-spots of the world's economic development. The study is based on global respondents' evaluation on the development of the financial centers of the five BRICS countries by conducting subjective questionnaire survey and regional in-depth interviews via Xinhua News Agency's global International Financial Center Development Index survey system.

(II) Construction of objective indicator system

1. Design principles of objective indicator system

The design of the indicator system takes the following principles into consideration in order to evaluate the competitiveness of various international financial centers in an objective and fair way:

(1) The principle of systematicness. Each indicator can reflect one of the features of an international financial center. Various indicators jointly constitute the systematic index system, and try to reflect the connotation of financial centers from as many aspects as possible;

(2) Representativeness of indicators. The selection of each indicator strives to reflect features of international financial centers, and avoid overlap between indicators. Each indicator is distinct from others, so as to guarantee the index is representative and has comparability;

(3) Relatively independence of indicators. Each indicator has clear connotation and is relatively independent. One indicator does not overlap with another, and indicators do not possess reciprocal causation relations;

(4) The principle of operability. The design of the index system gives full consideration to the stability of data sources, the standardization and continuity of data, and unified standards in order to ensure convenience in data collection and calculation, and clarification of the appraisal indicator's connotations.

2. Structure of indicator system

Based on the above principles, the Xinhua-Dow Jones International Financial Center Development Index is formed by a three-level indicator system. The first-level indicator is made up by five aspects, including financial market, growth and development, industrial support, service standard and general environment of a country. Of the five elements, financial market is the measure of core development ability of an international

financial center; growth and development is a measure of impetus origin of an international financial center; industrial support is a measure of an international financial center's development channel; service standard is a measure of international financial center's development ability; and the general environment is a measure of the environment's impact on the development of an international financial center.

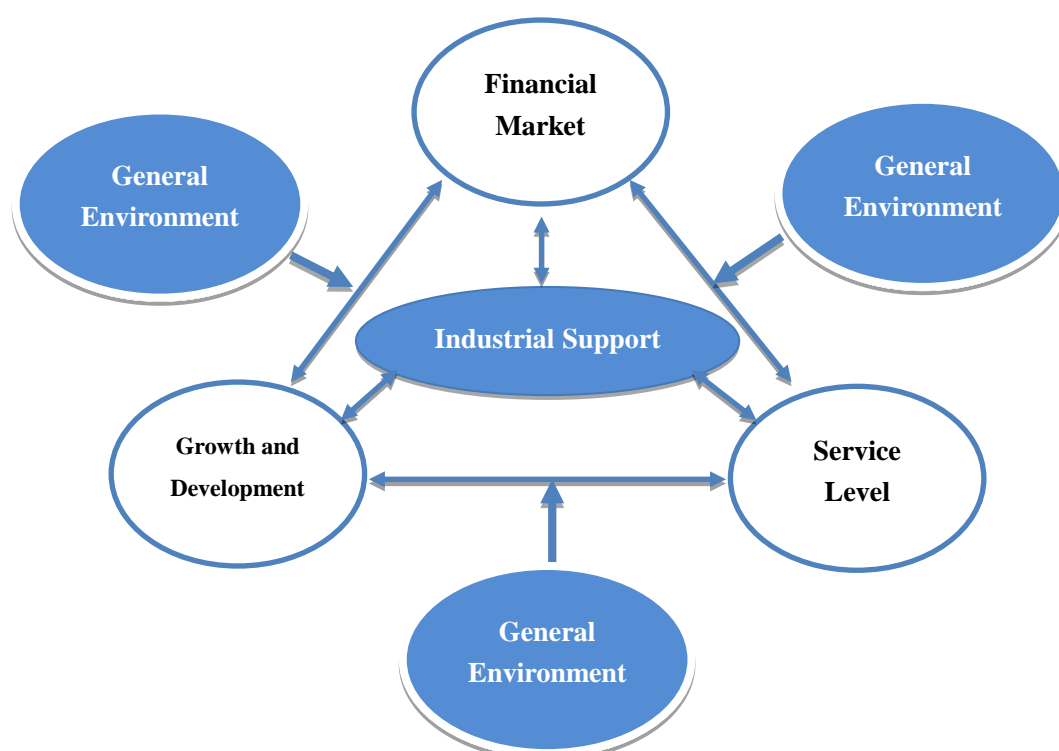


Figure 6 Indicator System of IFCD Index 2013

The first-level indicator of financial market includes four secondary indicators and 16 third-level indicators, mainly reflecting the scale, stability and maturity of capital market, forex market, banking market, and insurance market.

The first-level indicator of growth and development includes three secondary indicators and 12 third-level indicators, evaluating a city's growing and development

capability from three aspects, namely the growth potential of the capital market, growth potential of the economy, and innovation potential reserves. Compared with the IFCD Index 2012, taking data availability into consideration, IFCD Index 2013 merges the secondary indicators of "Innovation Outputs" and "Innovation Potential" into the secondary indicator of "innovation potential reserves"; As for third-level indicators, the indicators of

“Added Value of High-tech Products to Added Value of Manufacturing”, “Employment in High-Tech Services per 1,000 inhabitants” and “Per Capita Expenditure on R&D performed by Government” into one indicator, technical innovation, whose data is got by the means of the “8b” subject(appendix III) in the questionnaire; the rest third-level indicators are consistent with those in IFCD Index 2012.

The first-level indicator of industrial support is made up by two secondary indicators and 10 third-level indicators, evaluating the capability of a financial supporting system from two aspects, namely the commercial environment of a region and intellectual capital. Compared with the IFCD Index 2012, IFCD Index 2013 uses the indicator of “intellectual capital”, regarded as the talents element support of financial industry, as the secondary indicator of “industrial support” in order to demonstrate human capital’s support to financial industry. In the third-level indicators, “multinational index”, incorporated into the “commercial environment”, and other five indicators embody industrial support environment of financial centers; the indicator of “Financial Services employment percentage” in “intellectual capital” is replaced by “talent accumulation” which evaluates financial centers’ attractiveness to talents is got by means of “8d” subject in the questionnaire; the rest indicators are consistent with those in IFCD Index 2012.

The first-level indicator of service standard includes three secondary indicators and 11 third-level indicators, evaluating the service ability of a region’s financial development from three aspects, namely Urban Infrastructure, social management and working and living. Compared with the IFCD

Index 2012, IFCD Index 2013 shifts the “urban infrastructure”, regarded as the indicator of city service level, into the “service standard” system so as to embody the basic service level of financial centers; “government service” is replaced by “social management” which includes “unemployment rate index” and “crime statistics” in order to embody the service level of social administration in financial centers; “urban living conditions” is replaced by “working and living” so that it can embody the level of service which financial centers supply to people’ working and living; in the third-level indicators, “working environment” is got by means of the “8c” subject(appendix III) in the questionnaire.

The first-level indicator of general environment includes four secondary indicators and 15 third-level indicators, evaluating the region’s general development in terms of economic environment, political environment, the degree of opening to the outside and physical environment. Compared with IFCD Index 2012, taking completeness into consideration, “geographical location” and “city population density” are combined as “physical environment” which is incorporated into the “general environment” system; “per capita GDP” is absorbed into “economic environment”; the rest third-level indicators are consistent.

3. Weight of indicators

Three consecutive years’ surveys embody interviewees’ acknowledge of the importance of the five first-level indicators is stable although every year’s sample size differs, this shows that the weights of Xinhua-Dow Jones International Financial Centers Development Index are of science and stability. So, IFCD Index 2013 uses the last two years’ weights of first-level indicators, which is calculated via

questionnaire survey. In the survey, the respondents give scores to five aspects, including the financial market, growth and development, industrial support, service standard and a country's general environment, in terms of importance in order to measure the

competitiveness of the financial centers. Score one indicates "not important", and the score five indicates "very important". By calculating valid questionnaires, the weights of the five first-level indicators can be worked out, which is shown in the Table 34.

Table 34 Weights of the first-level indicators in IFCD Index 2013

| Financial market | Growth and Development | Industrial Support | Service standard | General environment |
|------------------|------------------------|--------------------|------------------|---------------------|
| 0.21 | 0.21 | 0.19 | 0.20 | 0.20 |

Note: If sum of weighted value of five indicators is not equal to 1, it is because of round-off error.

Within the IFCD Index 2013 indicator system, the secondary indicators and the third-level indicators are given equal weight, that is to say, each secondary indicator under each first-level indicator is given equal weight, and each third-level indicator under each secondary indicator is also given equal weight. By doing so, each element's influence on the development of each international financial center can be reflected in a comprehensive, objective and fair way.

4. Data collection

Data of the objective indicators in the IFCD Index 2013 come from the following channels:

(1) Data released by international authoritative institutions, such as reports released by the World Bank, the World Economic Forum, and the International Monetary Fund;

(2) Data released by world well-known companies, stock exchanges and authoritative websites;

(3) Data from the global surveys by Xinhua News Agency and its strategic cooperation partners;

(4) Research data published by well-known research institutions.

Generally speaking, the data of the IFCD Index 2013 indicator system are authoritative, objective, stable and reliable. At the same time, the objective data are mostly adopting average figures in the recent three years to reduce the influence of incomparable interference factors.

(III) Subjective survey approaches

1. Global questionnaire survey

Xinhua News Agency's global information collection network mainly survey the following details:

(1) Subjective scores on 45 sample cities in five aspects, including the financial market, growth and development, industrial support, service standard, and the general environment of a country;

(2) Subjective evaluation on the importance of the five aspects, namely the financial market, growth and development, industrial support, service standard and the general environment of a country;

(3) Confidence survey on the development of financial centers in BRICS countries.

2. In-depth interviews with experts

By using Xinhua News Agency's vast global information collection network, the in-depth interviews can measure the soft strength of an international financial center in a comprehensive and scientific way. The in-depth interviews include the following aspects:

- (1) The economy and financial development situation of the city where the interviewee locates;
- (2) Interviewee's understanding and evaluation on major international financial centers;
- (3) Interviewee's evaluation on the international financial centers of the BRICS countries;
- (4) Interviewee's outlook for the future development of international financial centers.

(IV) Comprehensive analysis approach of IFCD Index indicators

The calculation of the IFCD Index 2013 is adopted a symmetric design competitiveness model, which highlights the direct and concise information integration and the scientific nature of the evaluation structure. The model establishes a data processing platform with unified standards, combines both the subjective survey data and the objective indicator data, and calculates the overall index which can comprehensively reflect the development of the international financial centers.

First, based on the positive and negative attributes of the indicators, data will be processed to be comparable so as to work out

the comparable data for each indicator, that is, to provide the function values in normal distribution after standardized original data, so as to describe the data properly and avoid impact from extreme values.

Secondly, an element evaluation index and a comprehensive evaluation index are calculated via two-level summarizing at equal weight supported by symmetric design. The score value of each secondary indicator is from the summarization and calculation of the score value of third-level indicators by the same weight. Equal weight calculation is also adopted when summarizing and calculating the secondary indicators into first-level indicators. The objective score of each first-level indicator is from the summarization and calculation of the secondary indicators by the same weight.

Thirdly, the final score for each first-level indicator is obtained by calculating the arithmetical average of the score for the first-level indicator by using the objective data and the score for the first-level indicator by using data from the subjective questionnaire survey.

Finally, the total score for each city is obtained by calculating the weighted average of the scores of first-level indicators on the basis of the weights obtained from the questionnaire survey. Then the ranking for each city is based on the total score for each city.

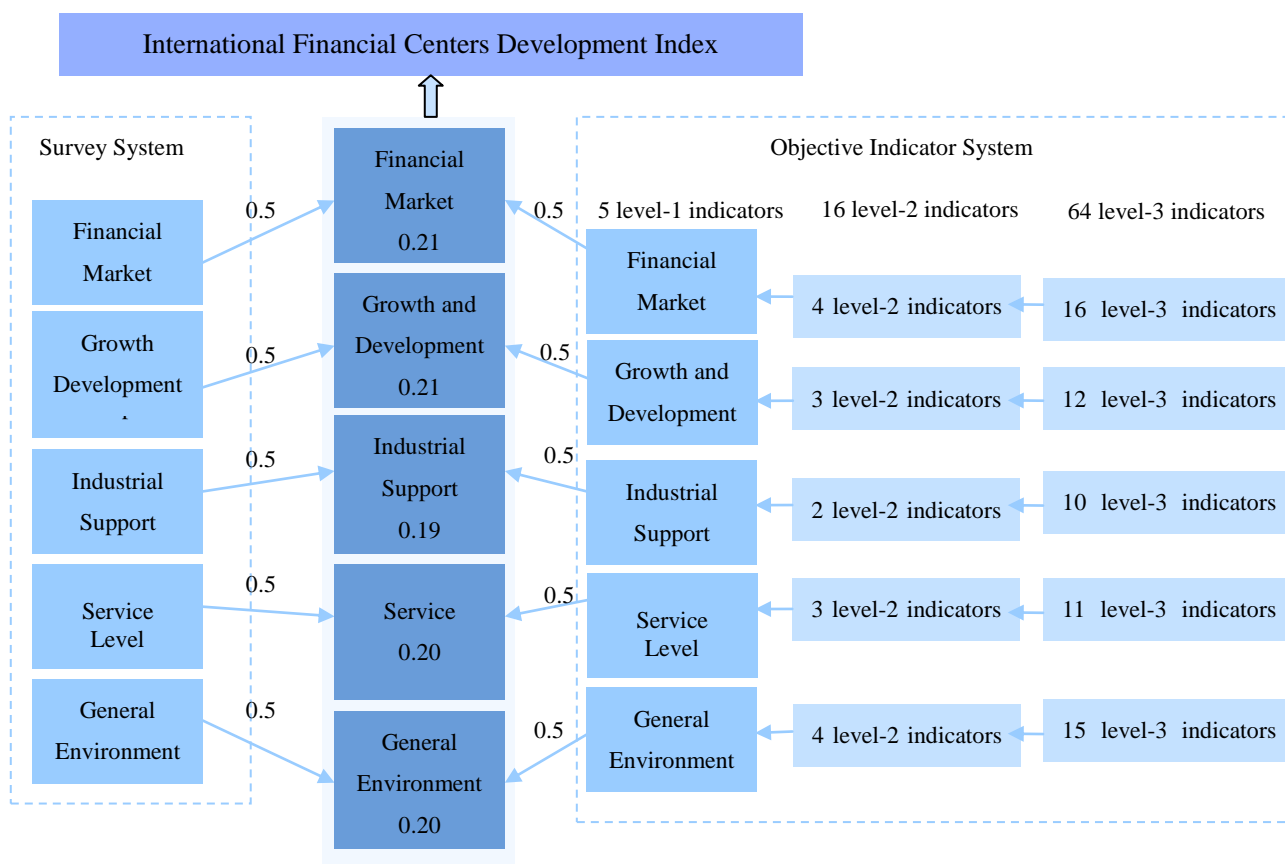
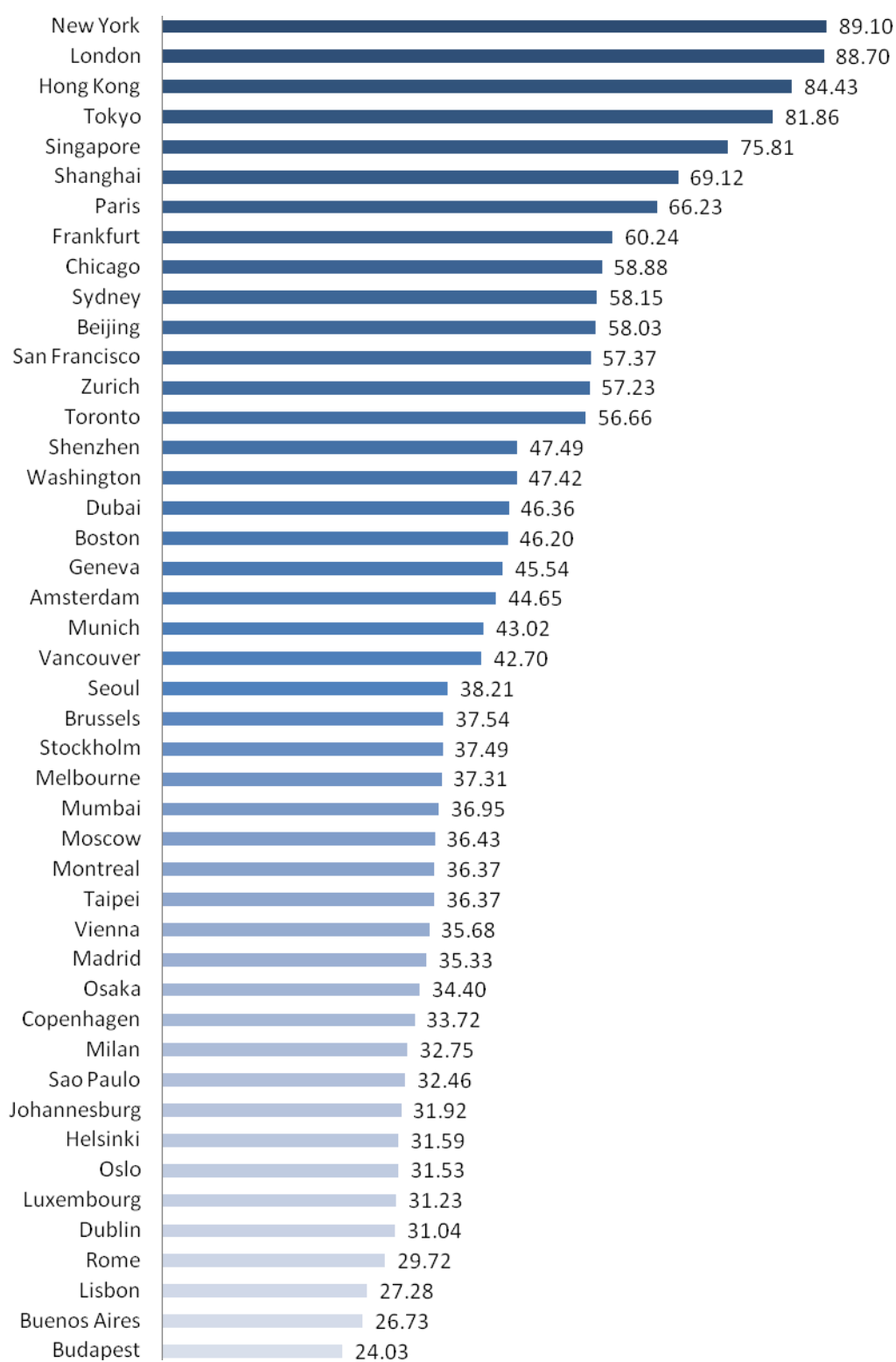


Figure 7 Construction Structure of IFCD Index 2013

Appendix I: Figures and Tables of IFCD Index 2013



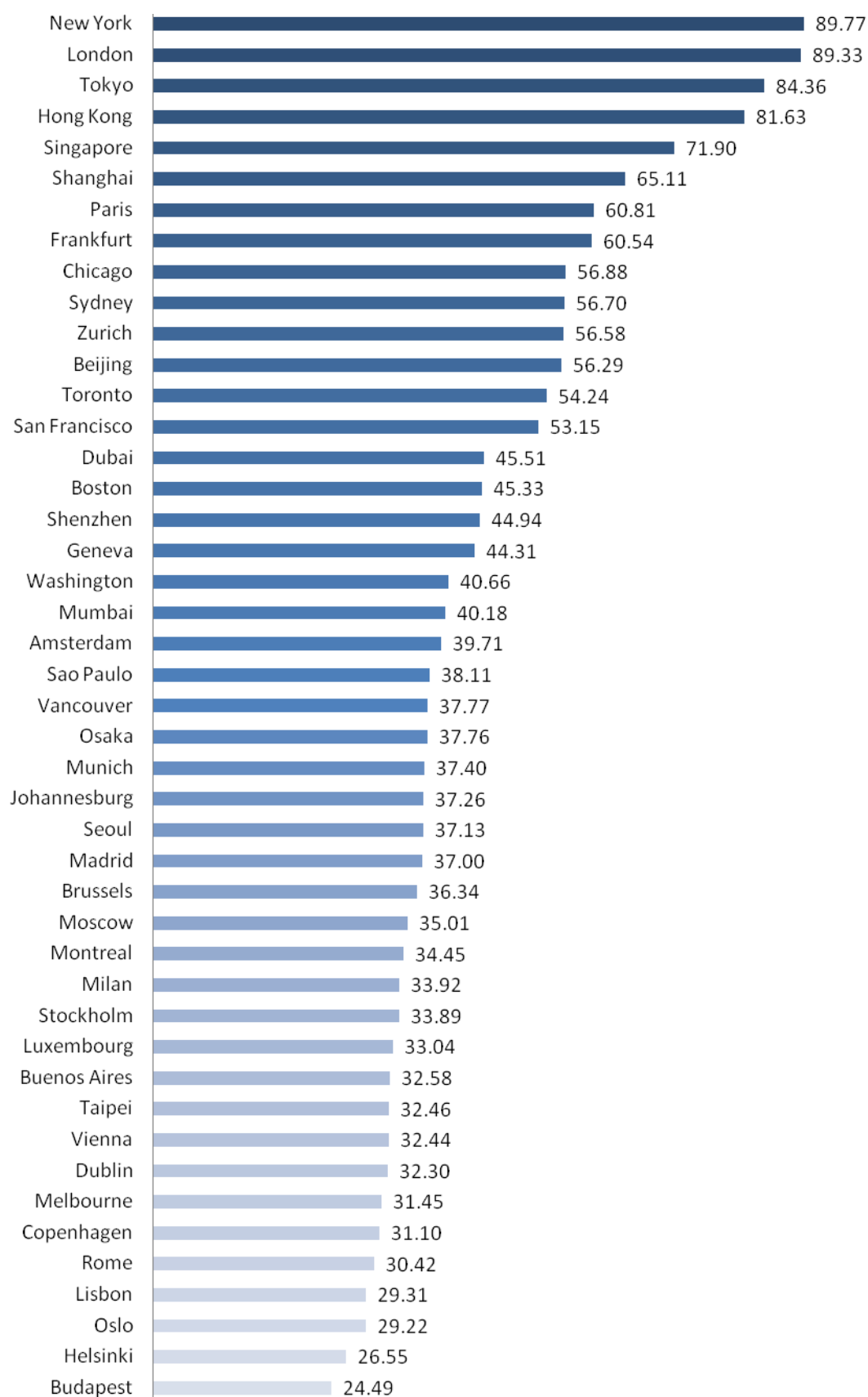
Attached Figure 1 Results of IFCD Index 2013

Attached Table1 Ranking Comparison of IFCD Index 2013and IFCD Index 2012

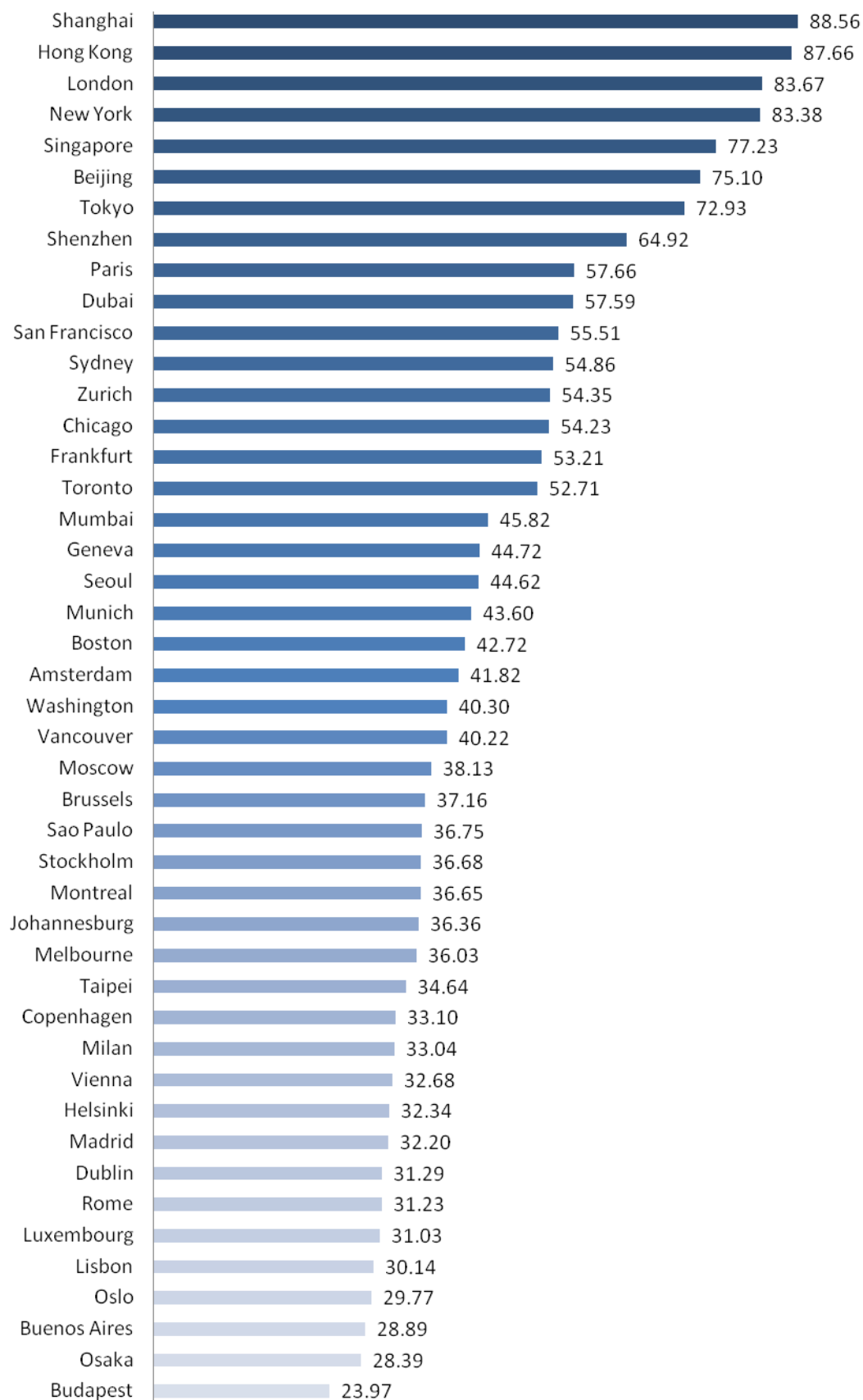
| CITY | Financial Market | | Growth and Development | | Industrial Support | | Service Level | | General Environment | | IFCD | | Change in rank | ABS of change in rank |
|---------------|------------------|------|------------------------|------|--------------------|------|---------------|------|---------------------|------|------|------|----------------|-----------------------|
| | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | | |
| New York | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 0 | 0 |
| London | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 0 | 0 |
| Hong Kong | 4 | 4 | 2 | 4 | 4 | 5 | 4 | 4 | 3 | 3 | 3 | 4 | 1 | 1 |
| Tokyo | 3 | 3 | 7 | 6 | 3 | 3 | 3 | 3 | 4 | 5 | 4 | 3 | -1 | 1 |
| Singapore | 5 | 7 | 5 | 7 | 6 | 6 | 5 | 6 | 5 | 6 | 5 | 5 | 0 | 0 |
| Shanghai | 6 | 6 | 1 | 1 | 5 | 4 | 14 | 12 | 13 | 16 | 6 | 6 | 0 | 0 |
| Paris | 7 | 8 | 9 | 9 | 8 | 9 | 6 | 5 | 6 | 8 | 7 | 8 | 1 | 1 |
| Frankfurt | 8 | 5 | 15 | 10 | 10 | 7 | 9 | 7 | 8 | 4 | 8 | 7 | -1 | 1 |
| Chicago | 9 | 10 | 14 | 13 | 9 | 10 | 10 | 9 | 12 | 13 | 9 | 10 | 1 | 1 |
| Sydney | 10 | 12 | 12 | 15 | 12 | 14 | 8 | 10 | 10 | 12 | 10 | 12 | 2 | 2 |
| Beijing | 12 | 11 | 6 | 5 | 7 | 8 | 19 | 35 | 26 | 27 | 11 | 11 | 0 | 0 |
| San Francisco | 14 | 13 | 11 | 12 | 11 | 13 | 11 | 14 | 11 | 19 | 12 | 13 | 1 | 1 |
| Zurich | 11 | 9 | 13 | 11 | 15 | 12 | 7 | 8 | 7 | 7 | 13 | 9 | -4 | 4 |
| Toronto | 13 | 14 | 16 | 20 | 13 | 18 | 12 | 15 | 9 | 11 | 14 | 16 | 2 | 2 |
| Shenzhen | 17 | 20 | 8 | 8 | 14 | 17 | 27 | 40 | 31 | 36 | 15 | 19 | 4 | 4 |
| Washington | 19 | 17 | 23 | 19 | 17 | 19 | 13 | 16 | 15 | 20 | 16 | 17 | 1 | 1 |
| Dubai | 15 | 16 | 10 | 17 | 16 | 16 | 21 | 27 | 30 | 32 | 17 | 18 | 1 | 1 |
| Boston | 16 | 19 | 21 | 23 | 18 | 29 | 15 | 17 | 18 | 28 | 18 | 20 | 2 | 2 |
| Geneva | 18 | 15 | 18 | 22 | 28 | 27 | 16 | 11 | 14 | 9 | 19 | 15 | -4 | 4 |
| Amsterdam | 21 | 18 | 22 | 21 | 20 | 11 | 17 | 13 | 16 | 10 | 20 | 14 | -6 | 6 |
| Munich | 25 | 27 | 20 | 25 | 22 | 21 | 20 | 26 | 20 | 22 | 21 | 21 | 0 | 0 |
| Vancouver | 23 | 33 | 24 | 24 | 24 | 26 | 18 | 24 | 17 | 23 | 22 | 25 | 3 | 3 |
| Seoul | 27 | 22 | 19 | 14 | 19 | 15 | 36 | 37 | 36 | 35 | 23 | 24 | 1 | 1 |

| CITY | Financial Market | | Growth and Development | | Industrial Support | | Service Level | | General Environment | | IFCD | | Change in rank | ABS of change in rank |
|--------------|------------------|------|------------------------|------|--------------------|------|---------------|------|---------------------|------|------|------|----------------|-----------------------|
| | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | | |
| Brussels | 29 | 21 | 26 | 28 | 33 | 35 | 25 | 22 | 22 | 21 | 24 | 22 | -2 | 2 |
| Stockholm | 33 | 28 | 28 | 29 | 35 | 34 | 24 | 18 | 19 | 17 | 25 | 23 | -2 | 2 |
| Melbourne | 39 | 36 | 31 | 26 | 30 | 23 | 22 | 23 | 21 | 26 | 26 | 29 | 3 | 3 |
| Mumbai | 20 | 23 | 17 | 18 | 23 | 22 | 38 | 39 | 42 | 41 | 27 | 30 | 3 | 3 |
| Moscow | 30 | 25 | 25 | 16 | 21 | 20 | 37 | 41 | 35 | 43 | 28 | 31 | 3 | 3 |
| Montreal | 31 | 37 | 29 | 31 | 32 | 38 | 28 | 30 | 24 | 25 | 29 | 32 | 3 | 3 |
| Taipei | 36 | 31 | 32 | 27 | 26 | 33 | 26 | 36 | 29 | 33 | 30 | 36 | 6 | 6 |
| Vienna | 37 | 32 | 35 | 37 | 36 | 31 | 23 | 19 | 23 | 14 | 31 | 26 | -5 | 5 |
| Madrid | 28 | 24 | 37 | 30 | 25 | 25 | 33 | 25 | 32 | 30 | 32 | 28 | -4 | 4 |
| Osaka | 24 | 30 | 44 | 38 | 27 | 28 | 31 | 34 | 33 | 34 | 33 | 37 | 4 | 4 |
| Copenhagen | 40 | 38 | 33 | 34 | 38 | 30 | 29 | 20 | 25 | 15 | 34 | 27 | -7 | 7 |
| Milan | 32 | 26 | 34 | 33 | 29 | 24 | 35 | 33 | 38 | 39 | 35 | 35 | 0 | 0 |
| Sao Paulo | 22 | 41 | 27 | 39 | 31 | 42 | 41 | 45 | 43 | 44 | 36 | 43 | 7 | 7 |
| Johannesburg | 26 | 44 | 30 | 45 | 34 | 45 | 42 | 44 | 41 | 45 | 37 | 45 | 8 | 8 |
| Helsinki | 44 | 42 | 36 | 36 | 42 | 39 | 32 | 21 | 28 | 24 | 38 | 33 | -5 | 5 |
| Oslo | 43 | 35 | 42 | 44 | 41 | 37 | 34 | 32 | 27 | 18 | 39 | 34 | -5 | 5 |
| Luxembourg | 34 | 34 | 40 | 40 | 40 | 40 | 30 | 28 | 37 | 29 | 40 | 38 | -2 | 2 |
| Dublin | 38 | 39 | 38 | 32 | 39 | 36 | 40 | 31 | 34 | 31 | 41 | 39 | -2 | 2 |
| Rome | 41 | 29 | 39 | 35 | 37 | 32 | 39 | 29 | 39 | 37 | 42 | 40 | -2 | 2 |
| Lisbon | 42 | 40 | 41 | 41 | 45 | 41 | 44 | 38 | 40 | 38 | 43 | 41 | -2 | 2 |
| Buenos Aires | 35 | 43 | 43 | 42 | 43 | 43 | 43 | 43 | 45 | 42 | 44 | 42 | -2 | 2 |
| Budapest | 45 | 45 | 45 | 43 | 44 | 44 | 45 | 42 | 44 | 40 | 45 | 44 | -1 | 1 |

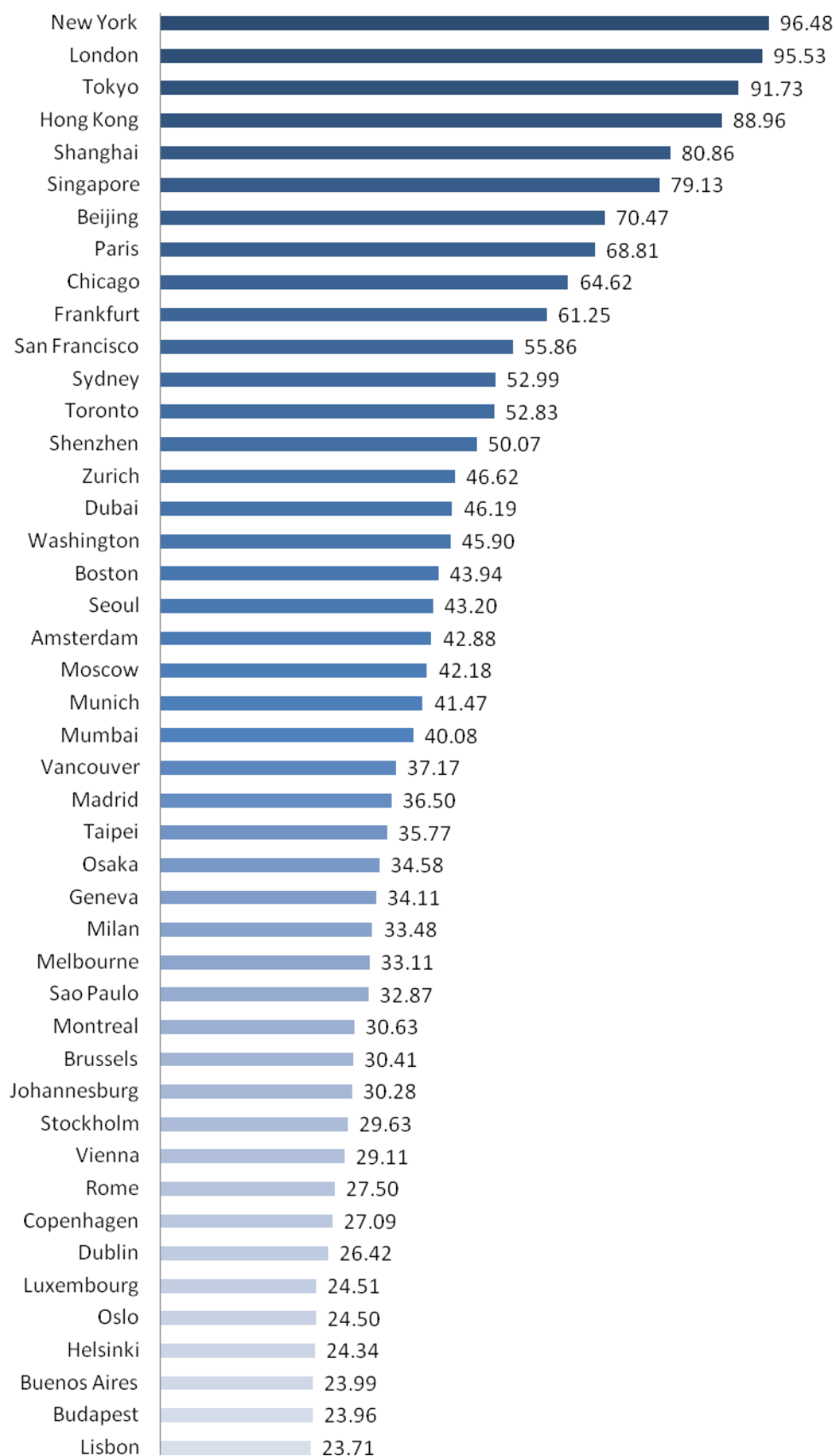
• Note: The colors in last column represent rank fluctuation of International Financial Center in recent two years. Blue represents completely stable. Red represents somewhat stable. Green represents volatile. Gray represents abnormal fluctuation.



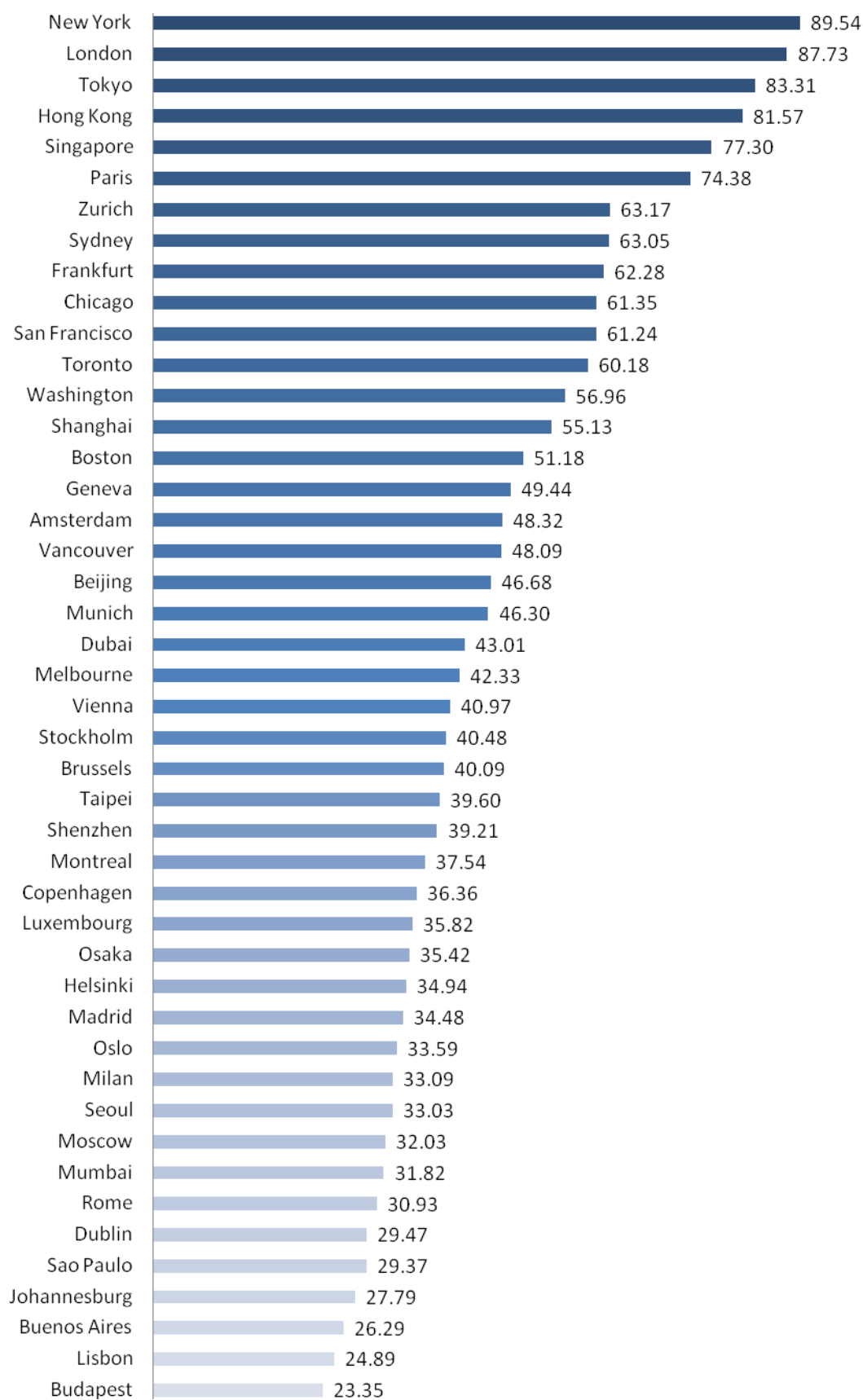
Attached Figure 2 The Financial Market Ranking of IFCD Index 2013



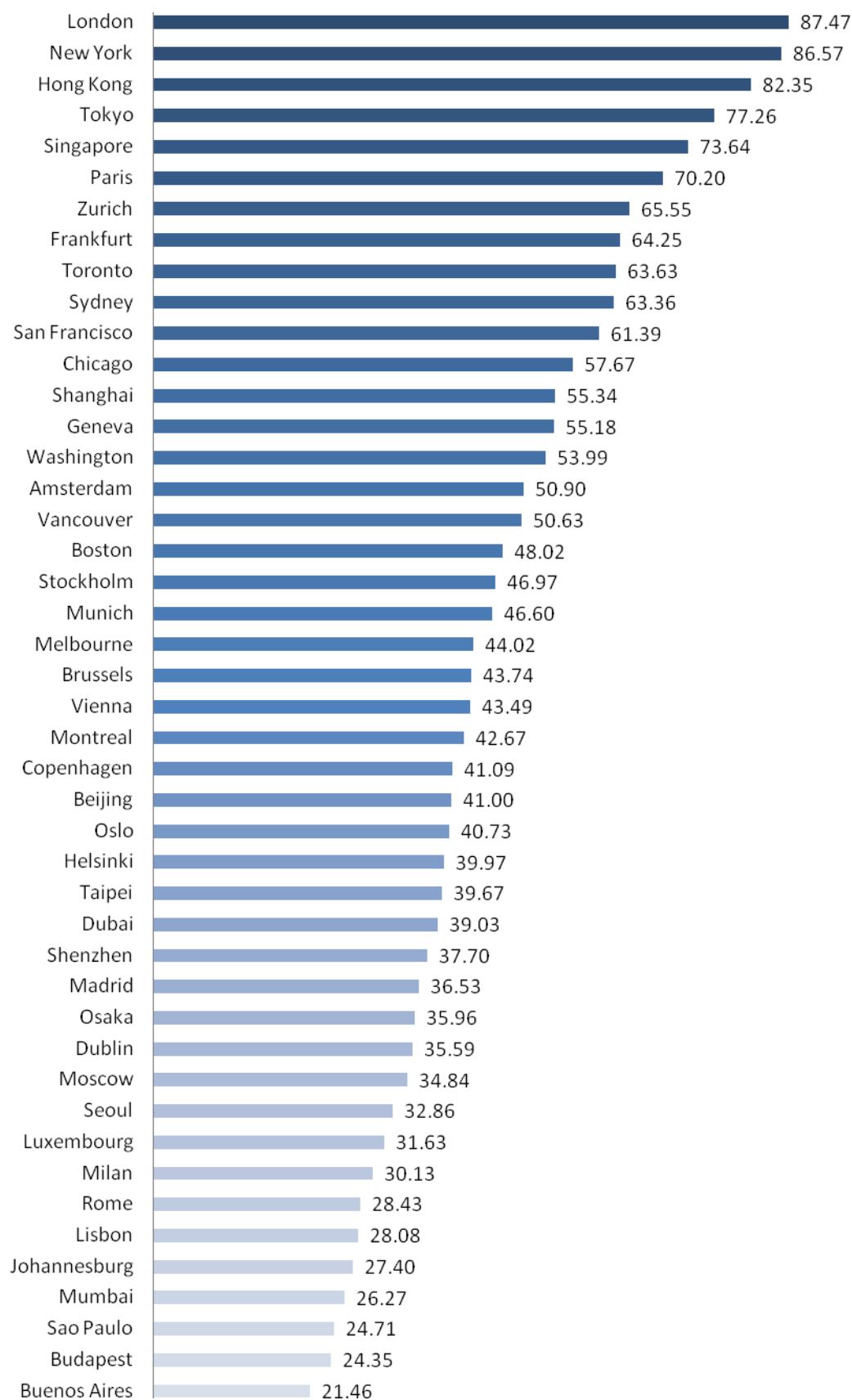
Attached Figure 3 The Growth and Development Ranking of IFCD Index 2013



Attached Figure 4 The Industrial Support Ranking of IFCD Index 2013



Attached Figure 5 The Service level Ranking of IFCD Index 2013



Attached Figure 6 The General Environment Ranking of IFCD Index 2013

Appendix II: IFCD Index

Survey System

(I) About the questionnaires

The data for index analysis in 2013 comes from the Global Information Survey System of Xinhua and the AC Nielsen Global Survey. After examining quality of data and deleting questionnaires with data of poor quality, we received 4,856 valid questionnaires with high-quality data. The selection of samples follows the following standards:

First, professionals of financial industry account for about 60 percent of the total;

Secondly, senior executives account for about 60 percent;

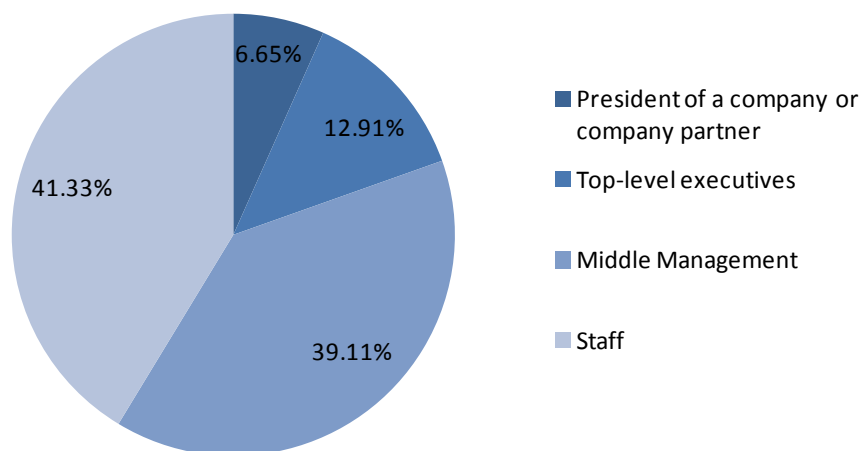
Thirdly, the regional distribution of the samples adopts equal weight for the 45 sampled cities;

Fourthly, the amount of samples meets professional statistical requirements.

(II) Basic information of questionnaires

1. Job title

Of the 4,856 questionnaires, the profile of jobs of respondents is pyramid shaped. Survey respondents holding higher positions account for a lower proportion of total respondents. Common employees take the highest share, accounting for 41.3 percent of the total survey respondents.



Attached Figure 7 Distribution of Respondents' Job Title

2. Industries worked in by respondents

Some 23.4 percent of survey respondents are engaged in government bodies, the highest level among all the respondents. Aside from regulatory bodies and the central bank that takes a proportion of less than 2 percent, all the remaining

industries account for 4 to 13 percent.

Attached Table 2 Industries worked in by respondents

| Industry | Count | Proportion (%) |
|------------------------------------|-------|----------------|
| Investment Bank | 216 | 4.45 |
| Commercial Bank | 361 | 7.43 |
| Retail Bank | 365 | 7.52 |
| Insurance | 412 | 8.48 |
| Asset Management | 362 | 7.45 |
| Legal Services | 285 | 5.87 |
| Accounting Services | 603 | 12.42 |
| Trade Association | 570 | 11.74 |
| Regulatory Bodies/ Central Bank | 59 | 1.21 |
| Government Bodies | 1138 | 23.43 |
| Scientific & Research Institutions | 485 | 9.99 |
| Others | 0 | 0 |
| Total | 4856 | 100 |

3. Location of respondents

The sampling is conducted according to the principle that the regional distribution of the samples adopts equal weight for the 45 sampled cities. The numbers of samples in

the location of respondents are as followings, of which the numbers of Asian-Pacific and North America regions are bigger than others, the European region is lower than others.

Attached Table 3 Locations of questionnaires' respondents

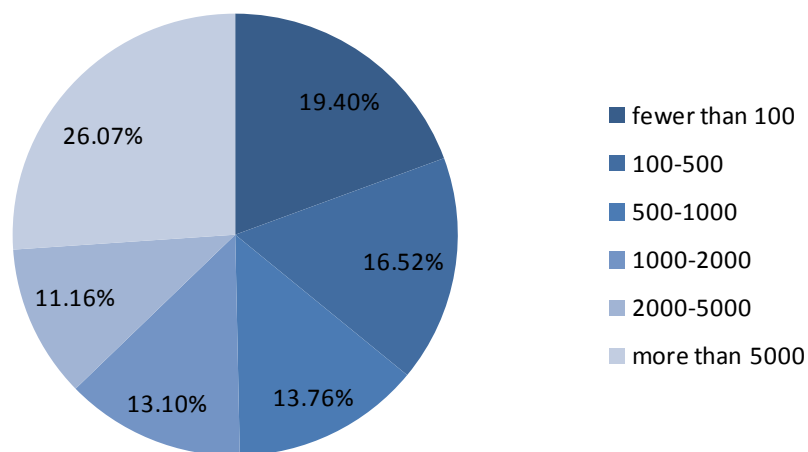
| City | Sample Amount | Proportion (%) | City | Sample Amount | Proportion (%) |
|-----------|---------------|----------------|--------------|---------------|----------------|
| Mumbai | 154 | 3.17 | Sao Paulo | 103 | 2.12 |
| Osaka | 151 | 3.11 | Madrid | 96 | 1.98 |
| New York | 148 | 3.05 | Frankfurt | 95 | 1.96 |
| Beijing | 147 | 3.03 | Moscow | 94 | 1.94 |
| London | 146 | 3.01 | Stockholm | 94 | 1.94 |
| Shenzhen | 146 | 3.01 | Lisbon | 94 | 1.94 |
| Paris | 145 | 2.99 | Munich | 91 | 1.87 |
| Toronto | 145 | 2.99 | Seoul | 90 | 1.85 |
| Melbourne | 145 | 2.99 | Rome | 89 | 1.83 |
| Sydney | 145 | 2.99 | Milan | 88 | 1.81 |
| Chicago | 143 | 2.94 | Copenhagen | 87 | 1.79 |
| Singapore | 142 | 2.92 | Amsterdam | 86 | 1.77 |
| Shanghai | 141 | 2.90 | Helsinki | 83 | 1.71 |
| Tokyo | 138 | 2.84 | Buenos Aires | 83 | 1.71 |
| Hong Kong | 138 | 2.84 | Dubai | 83 | 1.71 |
| Dublin | 136 | 2.80 | Vienna | 78 | 1.61 |
| Taipei | 134 | 2.76 | Johannesburg | 76 | 1.57 |

| | | | | | |
|---------------|-----|------|------------|------|--------|
| Washington | 126 | 2.59 | Brussels | 61 | 1.26 |
| San Francisco | 126 | 2.59 | Budapest | 57 | 1.17 |
| Vancouver | 120 | 2.47 | Oslo | 52 | 1.07 |
| Montreal | 116 | 2.39 | Geneva | 28 | 0.58 |
| Boston | 107 | 2.20 | Luxembourg | 3 | 0.06 |
| Zurich | 106 | 2.18 | Total | 4856 | 100.00 |

4. Number of employees across the world

Of the organizations where the survey respondents work in, those with more than 5,000 staff take the highest proportion, accounting for 26.1 percent. Organizations with less than 100 staff account for 19.4

percent. Proportion of organizations with staff account from 100 to 500 ranks the third, at 16.5 percent. And the other three types of organizations respectively account for about 11 to 15 percent. It shows that scale of surveyed organizations is relatively even.



Attached Figure 8 Distribution of Respondents' Organization Size

(III) Further analysis

1. Valuation of each factor by respondents from various industries

Altogether 4,856 questionnaires could be taken as samples are left. In terms of occupation classification, we classify survey respondents engaged in investment banking, commercial banking, retail banking, insurance, asset management, and regulatory bodies and the central bank into personnel involved in financial institutions. Other survey respondents are classified as

non-financial institution staff. We finally obtained 1,775 questionnaires from financial cycle and 3,081 questionnaires from non-financial respondents.

Adopting the same analysis method with the previous two years, we planned to list the top 20 cities respectively picked up by financial and non-financial institution staff, in order to directly collect the valuation of survey respondents in various occupations on the financial center development indicators of the world's major cities.

Attached Table 4 Financial and non-financial institution staff's valuation of financial markets

| Ranking | Financial Staff | | Non-financial Staff | |
|---------|-----------------|----------------|---------------------|----------------|
| | City | Proportion (%) | City | Proportion (%) |
| 1 | New York | 33.07 | New York | 29.67 |
| 2 | London | 28.28 | London | 23.04 |
| 3 | Hong Kong | 19.38 | Hong Kong | 14.28 |
| 4 | Tokyo | 14.31 | Tokyo | 13.66 |
| 5 | Singapore | 12.96 | Singapore | 9.19 |
| 6 | Shanghai | 10.2 | Frankfurt | 7.82 |
| 7 | Paris | 10.03 | Shanghai | 7.59 |
| 8 | Frankfurt | 9.97 | Paris | 7.53 |
| 9 | Chicago | 8.11 | Sydney | 6.65 |
| 10 | Zurich | 7.89 | Washington | 6.52 |
| 11 | Washington | 7.44 | Zurich | 6.49 |
| 12 | Beijing | 7.15 | Toronto | 6.49 |
| 13 | Toronto | 7.04 | Chicago | 6.07 |
| 14 | San Francisco | 6.87 | Beijing | 5.78 |
| 15 | Sydney | 6.7 | San Francisco | 4.93 |
| 16 | Geneva | 5.18 | Dubai | 4.74 |
| 17 | Dubai | 5.18 | Geneva | 4.51 |
| 18 | Boston | 4.9 | Boston | 4.41 |
| 19 | Milan | 4.68 | Melbourne | 4.02 |
| 20 | Amsterdam | 4.34 | Amsterdam | 3.99 |

Note: The "Proportion" in the third column is the ratio of the number of Financial Staff who believe the city is outstanding to the total number of Financial Staff. The "Proportion" in the fifth column is the ratio of the number of Non-financial Staff who believe the city is outstanding to the total number of Non-financial Staff. The proportions in the Attached table from 5 to 8 are calculated in the same way.

From attached table 4 we know that, the responses of financial and non-financial institution staff show no significant difference when evaluating the top 5 cities' performance in terms of their financial markets, which reflects that these cities' importance as international financial center has gained great recognition. Financial staff's acceptance of Shanghai, Paris, Frankfurt, Chicago, Zurich, Beijing, San

Francisco, Geneva, and Milan is higher than that of non-financial staff; their acceptance of Washington, Toronto, Sydney and Dubai is lower than that of non-financial staff; their acceptance of Boston and Amsterdam is almost the same.

Attached Table 5 Financial and non-financial institution staff's valuation of growth and development

| Ranking | Financial Staff | | Non-financial Staff | |
|---------|-----------------|----------------|---------------------|----------------|
| | City | Proportion (%) | City | Proportion (%) |
| 1 | Shanghai | 22.54 | Shanghai | 21.65 |
| 2 | Hong Kong | 17.24 | Hong Kong | 15.32 |
| 3 | New York | 16.39 | New York | 12.98 |
| 4 | London | 15.15 | London | 12.17 |
| 5 | Singapore | 11.77 | Tokyo | 10.29 |
| 6 | Tokyo | 10.93 | Singapore | 9.15 |
| 7 | Beijing | 9.41 | Beijing | 8.41 |
| 8 | Paris | 7.21 | Paris | 5.84 |
| 9 | Dubai | 7.21 | Sydney | 5.62 |
| 10 | Chicago | 7.1 | Dubai | 5.49 |
| 11 | Frankfurt | 6.93 | Toronto | 5.32 |
| 12 | San Francisco | 6.42 | Washington | 5.29 |
| 13 | Sydney | 6.37 | Frankfurt | 5.26 |
| 14 | Zurich | 6.31 | Zurich | 5.06 |
| 15 | Washington | 6.31 | Chicago | 5.03 |
| 16 | Toronto | 5.69 | San Francisco | 5 |
| 17 | Mumbai | 5.07 | Shenzhen | 4.74 |
| 18 | Shenzhen | 4.56 | Seoul | 4.45 |
| 19 | Boston | 4.17 | Melbourne | 4.25 |
| 20 | Vancouver | 4.11 | Mumbai | 3.8 |

From attached table 5 we know that, both financial and non-financial institution staffs have highly accepted the performance of Shanghai in terms of growth and development, which shows that Shanghai is generally accepted as international financial centers according to growth and development. Both show no significant difference in evaluating the performance in terms of growth and development of Hong Kong, New York, London, Beijing, Paris and Zurich, but major difference when it comes to other cities. Financial staff's acceptance of Singapore, Dubai, Chicago, Frankfurt, San Francisco, Mumbai and Vancouver is higher than that of non-financial staff; their acceptance of

Sydney, Washington, Toronto and Shenzhen is lower than that of non-financial staff.

Attached Table 6 Financial and non-financial institution staff's valuation of industrial support

| Ranking | Financial Staff | | Non-financial Staff | |
|---------|-----------------|----------------|---------------------|----------------|
| | City | Proportion (%) | City | Proportion (%) |
| 1 | New York | 26.42 | New York | 21.65 |
| 2 | London | 19.89 | London | 16.03 |
| 3 | Hong Kong | 15.94 | Tokyo | 12.37 |
| 4 | Tokyo | 14.37 | Hong Kong | 10.45 |
| 5 | Singapore | 11.1 | Shanghai | 7.98 |
| 6 | Shanghai | 10.76 | Singapore | 7.21 |
| 7 | Frankfurt | 8.62 | Chicago | 6.88 |
| 8 | Beijing | 8.34 | Beijing | 6.56 |
| 9 | Paris | 7.89 | Frankfurt | 6.46 |
| 10 | Chicago | 7.66 | Paris | 6.36 |
| 11 | Washington | 6.82 | Washington | 6.17 |
| 12 | Zurich | 6.42 | Toronto | 5.42 |
| 13 | Toronto | 6.2 | Sydney | 5.1 |
| 14 | San Francisco | 6.2 | San Francisco | 4.71 |
| 15 | Sydney | 5.97 | Zurich | 4.45 |
| 16 | Dubai | 5.52 | Amsterdam | 4.12 |
| 17 | Boston | 5.01 | Melbourne | 4.09 |
| 18 | Milan | 4.79 | Boston | 3.99 |
| 19 | Mumbai | 4.62 | Dubai | 3.7 |
| 20 | Vancouver | 4.51 | Seoul | 3.6 |

As shown in attached table 6, financial and non-financial institution staff post small differences on the recognition of New York, London, Hong Kong, Tokyo, Shanghai, Beijing, Paris, Washington, Toronto and San Francisco in terms of industrial support. Financial staff show a higher recognition of such cities as Frankfurt, Zurich, Dubai, Mumbai, Vancouver; while non-financial staff exhibit higher recognition of Chicago, Amsterdam, Melbourne and Seoul.

Attached Table 7 Financial and non-financial institution staff's valuation of service standard

| Ranking | Financial Staff | | Non-financial Staff | |
|---------|-----------------|----------------|---------------------|----------------|
| | City | Proportion (%) | City | Proportion (%) |
| 1 | New York | 26.37 | New York | 20.32 |
| 2 | London | 20.73 | London | 18.53 |
| 3 | Hong Kong | 15.83 | Tokyo | 13.08 |
| 4 | Tokyo | 13.46 | Hong Kong | 11.26 |
| 5 | Singapore | 11.66 | Paris | 8.89 |
| 6 | Paris | 10.2 | Singapore | 8.15 |
| 7 | Frankfurt | 8.28 | Washington | 7.04 |
| 8 | Shanghai | 7.83 | Sydney | 6.36 |
| 9 | Washington | 7.72 | Toronto | 6.26 |
| 10 | Chicago | 7.1 | Frankfurt | 6 |
| 11 | Zurich | 7.04 | Chicago | 5.97 |
| 12 | Sydney | 6.7 | Zurich | 5.55 |
| 13 | San Francisco | 6.48 | Shanghai | 5.32 |
| 14 | Toronto | 6.08 | San Francisco | 5.03 |
| 15 | Beijing | 6.03 | Melbourne | 4.93 |
| 16 | Dubai | 5.18 | Vancouver | 4.45 |
| 17 | Boston | 5.13 | Amsterdam | 4.28 |
| 18 | Geneva | 4.85 | Boston | 4.22 |
| 19 | Milan | 4.06 | Dubai | 4.19 |
| 20 | Vancouver | 4.06 | Beijing | 4.12 |

As shown in attached table 7, financial and non-financial institution staff post small differences on the recognition of New York, London, Hong Kong, Tokyo, Paris, Washington, Zurich, San Francisco. Financial staff show a higher recognition of such cities as Frankfurt, Shanghai, Beijing, Dubai, Mumbai, Geneva; while non-financial staff exhibit higher recognition of Washington, Sydney, Toronto, Vancouver, Amsterdam.

Attached Table 8 Financial and non-financial institution staff's valuation of the country's general environment

| Ranking | Financial Staff | | Non-financial Staff | |
|---------|-----------------|----------------|---------------------|----------------|
| | City | Proportion (%) | City | Proportion (%) |
| 1 | New York | 27.32 | New York | 22.59 |
| 2 | London | 20.06 | London | 17.92 |
| 3 | Hong Kong | 14.48 | Hong Kong | 10.32 |
| 4 | Tokyo | 10.54 | Tokyo | 9.25 |
| 5 | Singapore | 9.8 | Paris | 7.79 |
| 6 | Paris | 8.56 | Washington | 7.11 |
| 7 | Frankfurt | 8.23 | Singapore | 6.78 |
| 8 | Washington | 7.38 | Sydney | 6.59 |
| 9 | Chicago | 6.87 | Toronto | 5.97 |
| 10 | Zurich | 6.42 | Zurich | 5.71 |
| 11 | San Francisco | 6.31 | Frankfurt | 5.45 |
| 12 | Toronto | 6.2 | San Francisco | 5.42 |
| 13 | Shanghai | 6.2 | Chicago | 4.77 |
| 14 | Sydney | 5.92 | Melbourne | 4.38 |
| 15 | Boston | 4.73 | Amsterdam | 4.25 |
| 16 | Beijing | 4.56 | Shanghai | 4.22 |
| 17 | Dubai | 4.51 | Geneva | 4.19 |
| 18 | Geneva | 4.45 | Vancouver | 3.96 |
| 19 | Vancouver | 3.89 | Beijing | 3.6 |
| 20 | Melbourne | 3.83 | Boston | 3.54 |

From attached table 8 we know that, the responses of financial and non-financial institution staff show no significant difference when evaluating the top 5 cities' performance in terms of their general environment, but both exhibit major

differences as for other cities. Financial staff exhibit a higher recognition of such cities as Frankfurt, Chicago, Shanghai, Boston, Beijing, Dubai; while non-financial staff exhibit higher recognition of Washington, Sydney, Toronto, Melbourne Amsterdam.

Appendix III: Questionnaire

Dear Sir/Madam:

We are doing a research on the competitiveness of international financial center. The following questionnaire is designed in order to get an objective, fair and

reasonable result. It will take a few minutes to finish. Please forgive any inconvenience for you. Your reply is of great importance for our project. The information you provide will, of course, be held in the strictest confidence. Sincerely thank your support!

| | | | | |
|----|------------------------------------|--|---------------|--------------|
| Q1 | Which city do you live in usually? | | | |
| | Amsterdam | | Milan | Vancouver |
| | Vienna | | Moscow | Tokyo |
| | Oslo | | Munich | Osaka |
| | Paris | | Geneva | Dubai |
| | Budapest | | Stockholm | Mumbai |
| | Brussels | | Zurich | Singapore |
| | Dublin | | Boston | Beijing |
| | Frankfurt | | Buenos Aires | Shanghai |
| | Copenhagen | | Toronto | Shenzhen |
| | Helsinki | | Chicago | Seoul |
| | Lisbon | | Washington | Taipei |
| | Luxembourg | | San Francisco | Hongkong |
| | London | | Montreal | Johannesburg |
| | Rome | | New York | Melbourne |
| | Madrid | | Sao Paulo | Sydney |
| | | | | Others |

| | |
|----|---|
| Q2 | What is your job title/main area of responsibility? |
| | President of a company or company partner |
| | Top-level executives |
| | Middle Management |
| | Staff |

| | |
|----|---|
| Q3 | Which industry in the following are you working in? |
| | Investment Banking |
| | Commercial Banking |

| | |
|--|------------------------------|
| | Retail Banking |
| | Insurance |
| | Asset Management |
| | Legal Services |
| | Accounting Services |
| | Trade Association |
| | Regulatory Body/Central Bank |
| | Government |
| | Research Institute |
| | Other - Please Specify |

| | |
|----|---|
| Q4 | In which city is the headquarters of your organization located? |
| | |
| | |
| | |
| | |

| | |
|----|---|
| Q5 | Approximately how many employees does your organization have worldwide? |
| | Less than 100 |
| | 100-500 |
| | 500-1000 |
| | 1000-2000..... |
| | 2000-5000..... |
| | More than 5000 |

| | | | | |
|----|---|--|-----------|-----------|
| Q6 | Which of the International Finance Centers in the following do you understand? (Multiple choices allowed) | | | |
| | Amsterdam | | Milan | Vancouver |
| | Vienna | | Moscow | Tokyo |
| | Oslo | | Munich | Osaka |
| | Paris | | Geneva | Dubai |
| | Budapest | | Stockholm | Mumbai |
| | Brussels | | Zurich | Singapore |
| | Dublin | | Boston | Beijing |

| | | | | | |
|--|------------|--|---------------|--|--------------|
| | Frankfurt | | Buenos Aires | | Shanghai |
| | Copenhagen | | Toronto | | Shenzhen |
| | Helsinki | | Chicago | | Seoul |
| | Lisbon | | Washington | | Taibei |
| | Luxembourg | | San Francisco | | Hongkong |
| | London | | Montreal | | Johannesburg |
| | Rome | | New York | | Melbourne |
| | Madrid | | Sao Paulo | | Sydney |

| | |
|-----|---|
| Q7 | The Evaluation of International Financial Center Development Capability (Multiple choices allowed): |
| Q7a | Of the cities you understand, which do they perform well in Financial markets? |
| Q7b | Of the cities you understand, which do they perform well in Growth and development? |
| Q7c | Of the cities you understand, which do they perform well in Industry support? |
| Q7d | Of the cities you understand, which do they perform well in Service levels? |
| Q7e | Of the cities you understand, which do they perform well in General environment? |

| | |
|-----|---|
| Q8 | The Evaluation of indicator system (Multiple choices allowed): |
| Q8a | Of the cities you understand, which do they perform well in terms of insurance services offered? |
| Q8a | Of the cities you understand, which do they perform well in terms of Science and technology innovation potential? |
| Q8a | Of the cities you understand, which do they perform well in terms of work and life environment? |
| Q8a | Of the cities you understand, which do they perform well in terms of talent attractiveness? |

| | | | | | | |
|--------------|--|--------------------|---------|--------------------|----------------------|-------------|
| Q9 | Please rate your confidence in the key cities in BRICS countries become International Financial Centers. Please check the appropriate boxes. | | | | | |
| | Have no confidence at all | Not that confident | Neither | Somewhat Confident | Completely confident | Do not know |
| Shanghai | 1 | 2 | 3 | 4 | 5 | 9 |
| Sao Paulo | 1 | 2 | 3 | 4 | 5 | 9 |
| Mumbai | 1 | 2 | 3 | 4 | 5 | 9 |
| Moscow | 1 | 2 | 3 | 4 | 5 | 9 |
| Johannesburg | 1 | 2 | 3 | 4 | 5 | 9 |

| Q10-13 | What is your rating of key cities in the BRICS countries in terms of the following factors? Please rate.5 represents performs very well,1 represents very poorly. | | | | |
|--|---|-----------|--------|--------|--------------|
| Q10 | Shanghai | Sao Paulo | Mumbai | Moscow | Johannesburg |
| How the five cities fare in terms of their effectiveness in raising capital. | - | - | - | - | - |
| How the five cities fare in terms of their effectiveness in attracting human resource talent. | - | - | - | - | - |
| Q11 | Shanghai | Sao Paulo | Mumbai | Moscow | Johannesburg |
| Abundant degree of financial products focuses: richness and diversification of financial products such as bonds, stocks, futures, commodities, foreign exchange, funds in each city. | - | - | - | - | - |
| Degree to which the city has shown innovativeness in financial products, financial system, financial services, etc. | - | - | - | - | - |
| Q12 | Shanghai | Sao Paulo | Mumbai | Moscow | Johannesburg |
| Degree of financial facilities focuses on comparisons of the degree of facility of financing channels and financing policies in each city | | | | | |
| Intermediary Service Standard focuses on the comparisons of the related intermediary services degree of the financial center construction in each city, including credit rating, investment and financing consultation, financial information, accounting and auditing agency, and asset evaluation. | - | - | - | - | - |
| Q13 | Shanghai | Sao Paulo | Mumbai | Moscow | Johannesburg |
| The degree of perfection of the financial legal environment focuses on the comparison of the degrees of perfection of the litigation, arbitration, and legal services environment related to financial business disputes, case processing, and so on as well | - | - | - | - | - |

| | | | | | |
|--|---|---|---|---|---|
| as the soundness of the national and regional financial rules and regulations. | | | | | |
| Degree to which policies in areas such as taxation | - | - | - | - | - |

Q14 How well do you understand the currencies of the BRICS countries?[SA]

| | Don't understand at all | Not that understand | Neither | Somewhat understand | Completely understand |
|------------------|-------------------------|---------------------|---------|---------------------|-----------------------|
| CNY,China | 1 | 1 | 1 | 1 | 1 |
| REAL,Brazil | 2 | 2 | 2 | 2 | 2 |
| INR,India | 3 | 3 | 3 | 3 | 3 |
| RUB,Russia | 4 | 4 | 4 | 4 | 4 |
| ZAR,South Africa | 5 | 5 | 5 | 5 | 5 |

Q15 Do you have any other comments?

| | |
|--|--|
| | |
| | |
| | |

Appendix IV: Objective indicator system

| Level-1 Indicator | Level-2 Indicator | Level-3 Indicator | Data Source | Website | |
|-----------------------------|-------------------------|---|--|---|---|
| Financial Market | Capital Market | Total Value of Share Trading | WFE | http://www.world-exchanges.org | |
| | | Total Value of Bond Trading | WFE | http://www.world-exchanges.org | |
| | | Total Volume of Commodity futures Trading | WFE | http://www.world-exchanges.org | |
| | | Total Volume of Stock Futures Trading | WFE | http://www.world-exchanges.org | |
| | | Stock Market's Significance in the National Economy | WFE | http://www.world-exchanges.org | |
| | | Internationalization of Securities Markets | WFE | http://www.world-exchanges.org | |
| | Foreign Exchange Market | Foreign Exchange Market | Foreign Exchange Derivatives Turnover | WFE | http://www.world-exchanges.org |
| | | | Foreign Exchange Reserves | CIA | https://www.cia.gov/index.html |
| | | | Exchange Rate Volatility | WFE | http://www.world-exchanges.org |
| | Banking Market | Banking Market | Number of Major Bank | Forbs | http://www.forbeschina.com |
| | | | Major Bank Assets | Forbs | http://www.forbeschina.com |
| | | | Central Bank Assets To GDP | World Economic Forum | http://www.weforum.org |
| | | | Bank Assets To GDP | World Economic Forum | http://www.weforum.org |
| | Insurance Market | Insurance Market | Insurance Premium | World Economic Forum | http://www.weforum.org |
| Growth of Insurance Premium | | | World Economic Forum | http://www.weforum.org | |
| Insurance Services Level | | | The Global Information Collection System of Xinhua News Agency | | |
| Growth and Development | Capital Market Growth | Growth Rate of New Bonds | WFE | http://www.world-exchanges.org | |
| | | Growth Rate of Listed Companies | WFE | http://www.world-exchanges.org | |
| | | Growth Rate of Share Trading | WFE | http://www.world-exchanges.org | |
| | Economic Growth | Economic Growth | Five Year Average Growth Rate of GDP | World Bank | http://data.worldbank.org |
| | | | Three Year Average Growth Rate of Residential Income | UBS | http://www.ubs.com |
| | | | Three Year Average Growth Rate of General Price Index | UBS | http://www.ubs.com |
| | | | Growth Rate of Taxes and Social Security | OECD | http://stats.oecd.org/ |

| Level-1 Indicator | Level-2 Indicator | Level-3 Indicator | Data Source | Website |
|--------------------|-------------------------------|--|--|---|
| | Innovation Potential reserves | Three Year Average Growth Rate of Domestic Purchasing Power | UBS | http://www.ubs.com |
| | | scientific and technological innovation capacity | The Global Information Collection System of Xinhua News Agency | |
| | | Five Year Average Growth Rate of Government R & D Expenditures | OECD | http://stats.oecd.org/ |
| | | Five Year Average Growth Rate of Government R & D People | UNESCO | http://stats.uis.unesco.org/ |
| | | Innovation index | INSEAD | http://www.globalinnovationindex.org/gii/ |
| Industrial Support | Business Environment Support | Strength of Manufacturers | Global Urban Competitiveness Project | http://www.gucp.org |
| | | Strength of Traders and Retailers | Global Urban Competitiveness Project | http://www.gucp.org |
| | | Strength of IT Companies | Global Urban Competitiveness Project | http://www.gucp.org |
| | | High-technology exports | World Bank | http://data.worldbank.org/indicator/TX.VAL.TECH.MF.ZS |
| | | Strength of Financial Services Providers | Global Urban Competitiveness Project | http://www.gucp.org |
| | Intellectual Capital | Number of Multinational headquarters | Global Urban Competitiveness Project | http://www.gucp.org |
| | | talent attractiveness | The Global Information Collection System of Xinhua News Agency | |
| | | Per Capita Public Expenditures on Higher Education | OECD | http://stats.oecd.org/ |
| | | Population Education Level | UNDP | http://hdrstats.undp.org/en/tables/index.html |
| | Urban Infrastructure | Number of Universities | Global Urban Competitiveness Project | http://www.gucp.org |
| | | Cargo Throughput | Global Urban Competitiveness Project | http://www.gucp.org |
| | | Airline carriers | Airports Council International | http://www.aci.aero/ |
| | | IT Infrastructure | World Economic Forum | http://www.weforum.org |
| Service Level | social management | Services Employment Proportion | Global Urban Competitiveness Project | http://www.gucp.org |
| | | Regulatory quality | World Bank | http://info.worldbank.org/governance/wgi/index.asp |
| | | Digital Governance | Global E-Government Development Report | http://unpan3.un.org/egovkb/global_reports/12report.htm |
| | | Unemployment Rate Index | World Economic Forum | http://www.weforum.org |
| | Working and Life | Crime Statistics | UNODC | http://www.unodc.org/ |
| | | Cost of Living | UBS | http://www.ubs.com |
| | | Quality of Living Index | Mercer HR | http://www.mercerhr.com |
| | | work environment | The Global Information Collection System of Xinhua News Agency | |

| Level-1 Indicator | Level-2 Indicator | Level-3 Indicator | Data Source | Website |
|---------------------|-----------------------|---|--------------------------------------|---|
| General Environment | Economic Environment | Per Capita GDP | World Bank | http://data.worldbank.org |
| | | Ease of Doing Business | World Bank | http://www.doingbusiness.org/economyrankings |
| | | Total Foreign Trade Volume | World Bank | http://data.worldbank.org/ |
| | | Consumer Price Index | IMF | http://www.imf.org |
| | | Economic Freedom Index | Fraser Institute | http://www.freetheworld.com/release.html |
| | | Economic Extrovert Degree | World Economic Forum | http://www.weforum.org |
| | Political Environment | Happiness Planet Index | NEF | http://neweconomics.org/ |
| | | Political Stability and Absence of Violence | World Bank | http://info.worldbank.org/governance/wgi/index.asp |
| | | Corruption Index | Transparency International | http://www.transparency.org |
| | Openness | Social Globalization Index | KOF-Index of Globalization | http://globalization.kof.ethz.ch |
| | | Networked Readiness Index | World Economic Forum | http://www.weforum.org |
| | | Global Competitiveness Index | World Economic Forum | http://www.weforum.org |
| | | Foreign Direct Investment | UNCTAD | http://www.unctad.org |
| | natural environment | Geographical Location | Global Urban Competitiveness Project | http://www.gucp.org |
| | | City Population Density | Wikipedia | http://en.wikipedia.org/wiki/Population_density |