

## Fukuoka Asian Urban Research Center

'URC' (Fukuoka Asian Urban Research Center) is a think tank in the closest metropolis to Asian region in Japan. While cooperating and coordinating with regions in Asia which is now considered as an engine of world growth, URC explores and studies urban policy with a global perspective for the Fukuoka growth.

## Information & Strategy Office

In severe financial conditions, many municipalities are attempting to focus on policies for the efficient and effective financial operation. What is the necessary policy for the social and economic development? Municipalities are also expected to engage in marketing.

'Information & Strategy Office' was set up in URC as an advisory team serving for Fukuoka City with a mission to contribute to the economic growth of Fukuoka City.

In daily operation, it collects and analyzes data and information, consults to city bureaus and the general public, builds up policy options and recommends priorities to support Mayor's decision making.

## Uncertain times ahead

- We are now living and working in the era of increasing uncertainty. In the last few decades the world has changed (and is changing today) by four key drivers; 1) internet (from 1.0 to 3.0), 2) explosion of world population, 3) advanced mobility of goods and people, and 4) energy revolution (from fossil to green).
- To survive and thrive in such an era of uncertainty, the following “nine principles” have been advocated by wise leaders including Kiyoshi Kurokawa:
  - 1) Resilience, instead of Strength, 2) Risk, instead of Safety, 3) Systems, instead of Objects, 4) Compasses, instead of Maps, 5) Pull, instead of Push, 6) Practice, instead of Theory, 7) Disobedience, instead of Compliance, 8) Crowds, instead of Experts, 9) Learning, instead of Education

## The rise of regional economies

- Economic geography has also dramatically changed in the last few decades (and is changing today). While Thomas L. Friedman proposed “The world is flat” in 1999, Richard Florida argues that the world is not flat but rather spiky. Both seem true.
- Implications from these arguments are that the world economy today is a network of urban regions, as Kenichi Omae argued in his book “The End of the Nation-State: the Rise of Regional Economies”
- Global talents and knowledge workers gather in urban regions (and in particular in the city centers). They become part of “ecosystem of innovation” which in turn accelerates sustainable growth of that region. As AnnaLee Saxenian pointed out, a region is a source of competitive advantage of businesses.

## Positioning Fukuoka

- What is positioning of Fukuoka today and in the future on the global map?
- “Fukuoka Growth” provides with economic outlook of Fukuoka, aiming to be a basis for policy and economic dialogue among policy makers, business leaders and the general public. It looks into Fukuoka’s strength and opportunities to help the region clearly position itself around its unique value for other regions in the world.
- We look forward to feedback from readers.

June 20, 2013

Taichi GOTO

Head of Information and Strategy Office

Fukuoka Asian Urban Research Center

## Growth Potential of Fukuoka City in Data

Data is the basis for planning.

No hypothesis or forecast can be established without logical grounds based on data analysis.

Data is related to various fields. To collect and analyze data is an important task.

In natural science, accumulated experimental data leads to new discoveries and evolution.

In business or policy making, a variety of data supports to build next strategies.

Data indicates “fact” at a certain point in time from a certain point of view.

In order to plan for the future of Fukuoka, it is important to analyze data from a variety of points of view and to prepare a more certain path for growth.

There is a variety set of data indicating the growth potential of Fukuoka city.

A series of reports “Fukuoka Growth” is going to be released twice a month.

In each issue it will diagnose and discuss the future of Fukuoka city and people by analyzing data relevant to a selected theme.

We hope this series of reports will be informative for those who are considering to live, study, work, invest, and start a business in Fukuoka.



# Fukuoka Growth

Photo:Fukuoka City

## 01 Japan's No.1 Growing City

Version1.4

Fukuoka city is the most growing population city in Japan.  
Many young people are moving into Fukuoka city.  
Investment gather to the place where people gather and innovation occurs.

### Growth Potential of Fukuoka City

Fukuoka Asian Urban Research Center

Information & Strategy Office

Taichi GOTO Naohisa HATAKEYAMA Misato YAMADA

- NEW YORK
- LONDON
- AMSTERDAM
- PARIS

# Far East Tour

## FUKUOKA, Japan

The Fastest Growing City in Japan

If you arrive in Tokyo, go west.  
 You can chose to take either airplane or Shinkansen.  
 You will feel the growth potential of Fukuoka.

| Duration to FUKUOKA Airport from |       |
|----------------------------------|-------|
| SEOUL                            | 1:15  |
| TOKYO                            | 1:40  |
| SHANGHAI                         | 1:40  |
| BEIJING                          | 2:30  |
| HONGKONG                         | 4:40  |
| SINGAPORE                        | 6:15  |
| AMSTERDAM                        | 10:40 |
| CENER of FUKUOKA CITY            | 0:05  |

- SINGAPORE



# ASIAN DYNAMISM X JAPANESE MATURITY

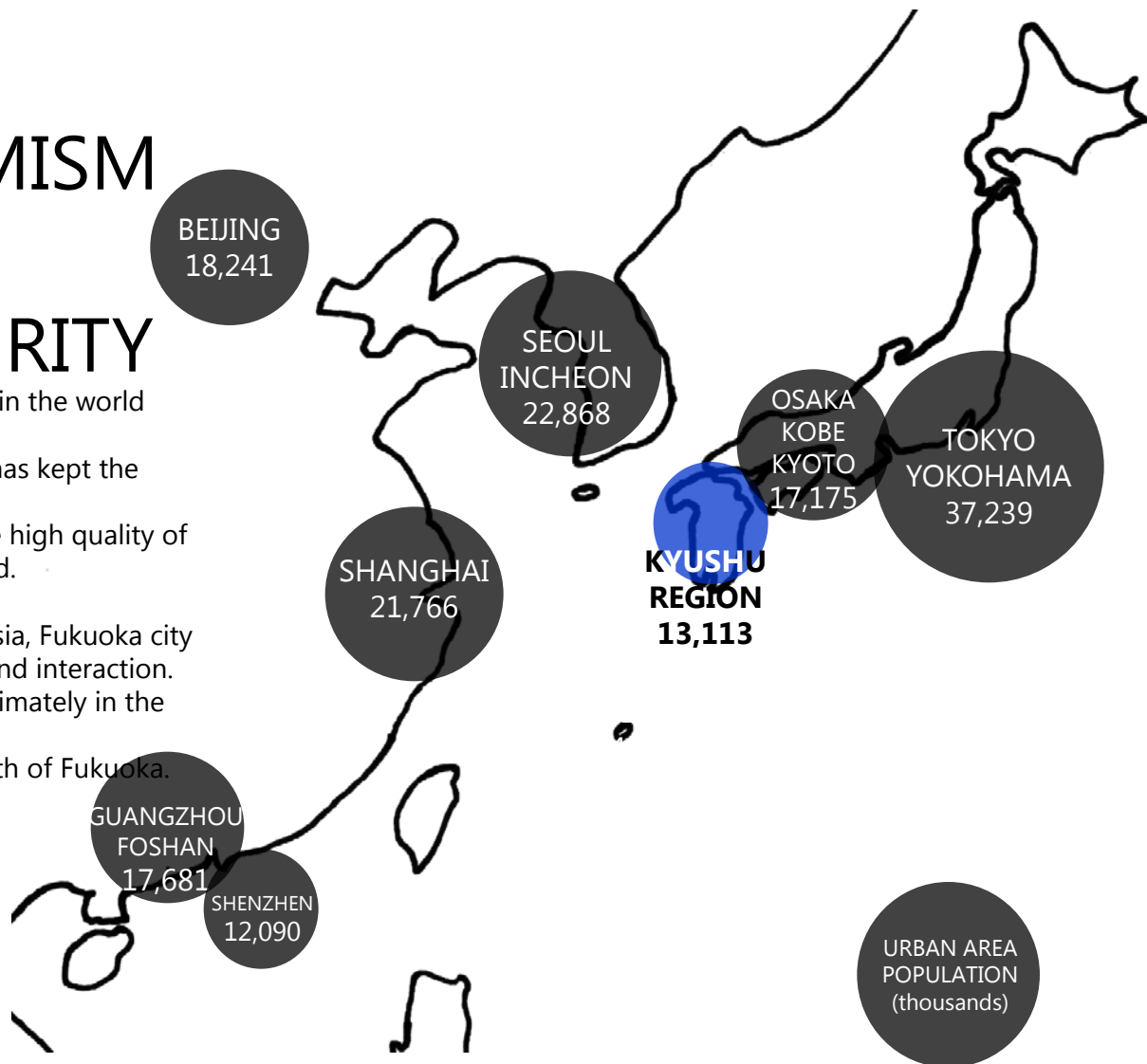
For a long time, Japan has played an important role in the world economy.

Economy in Asia is now growing rapidly, but Japan has kept the scale of GDP following the EU, USA and China.

As a mature society, the medical technology and the high quality of life boosts Japan with the No.1 longevity in the world.

Because of its proximity to many mega-regions in Asia, Fukuoka city has grown through a history of international trade and interaction. From Fukuoka to Tokyo and to Shanghai are approximately in the same distance.

Strategic location has been and will be key for growth of Fukuoka.



# Japan as the stages of growth in maturity

4th biggest economy in the world

| GDP (current US\$) trillion 2011 |       |
|----------------------------------|-------|
| EU                               | 17.58 |
| USA                              | 14.99 |
| CHINA                            | 7.31  |
| JAPAN                            | 5.86  |
| SOUTH KOREA                      | 1.11  |
| INDONESIA                        | 0.84  |

Higher level in Asia

| GNI per capita, PPP (current US\$)2011 |        |
|--|--------|
| USA                                    | 48,620 |
| JAPAN                                  | 34,670 |
| EU                                     | 32,590 |
| SOUTHE KOREA                           | 29,920 |
| CHINA                                  | 8,390  |

World's highest level-life span-

| Life expectancy at birth, 2011 |    |
|--------------------------------|----|
| JAPAN                          | 83 |
| SOUTH KOREA                    | 81 |
| CHINA                          | 76 |

Average level in East Asia

| Total fertility rate (per woman) 2011 |     |
|---------------------------------------|-----|
| CHINA                                 | 1.6 |
| JAPAN                                 | 1.4 |
| SOUTH KOREA                           | 1.4 |
| SINGAPORE                             | 1.3 |

GDP&GNI; data from THE WORLD BANK,2011

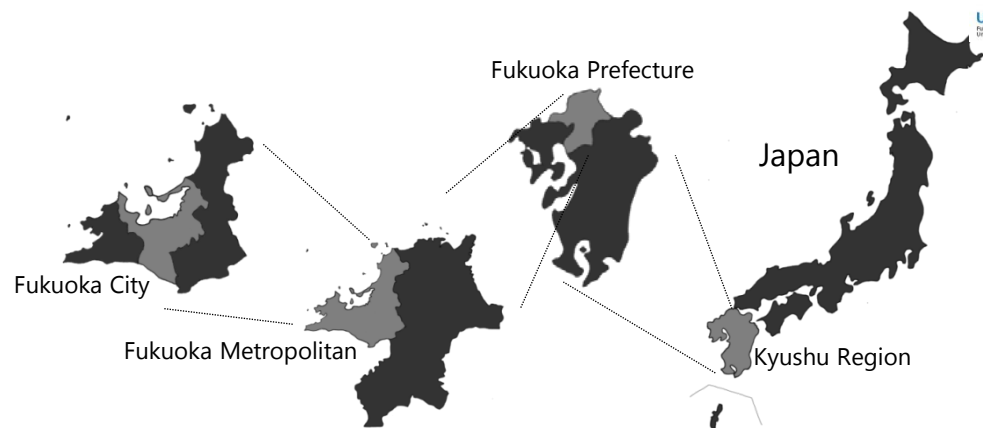
Life expectancy&Total fertility rate; data from World Health Organization,2011

\*GDP; Gross domestic product (GDP) is the market value of all officially recognized final goods and services produced within a country in a given period of time

\* GNI; Gross National Income(GNI) is the sum of incomes of residents of an economy in a given period.

\* Total fertility rate is the average number of children that would be born to a woman over her lifetime.





## POPULATION

|               |            |
|---------------|------------|
| FUKUOKA CITY  | 1,500,899  |
| METROPOLITAN  | 2,451,414  |
| PREFECTURE    | 5,087,484  |
| KYUSHU REGION | 13,113,035 |

# Core of Kyushu

Fukuoka city is a compact and livable city.  
 It is located in Kyushu region in the western part of Japan.  
 The area of Kyushu region is as large as the Netherlands or Denmark.  
 Fukuoka city's share in Kyushu region is only 0.8% in area size but 11.4% in population.

A lot of people gather in its compact urban area.  
 The population density in Fukuoka city is 4,397 persons/km<sup>2</sup>, which is about the same as the density in London.  
 Fukuoka city and Fukuoka Metropolitan area are the largest urban areas in Kyushu region, and also one of the major large metropolitan areas in the western part of Japan.

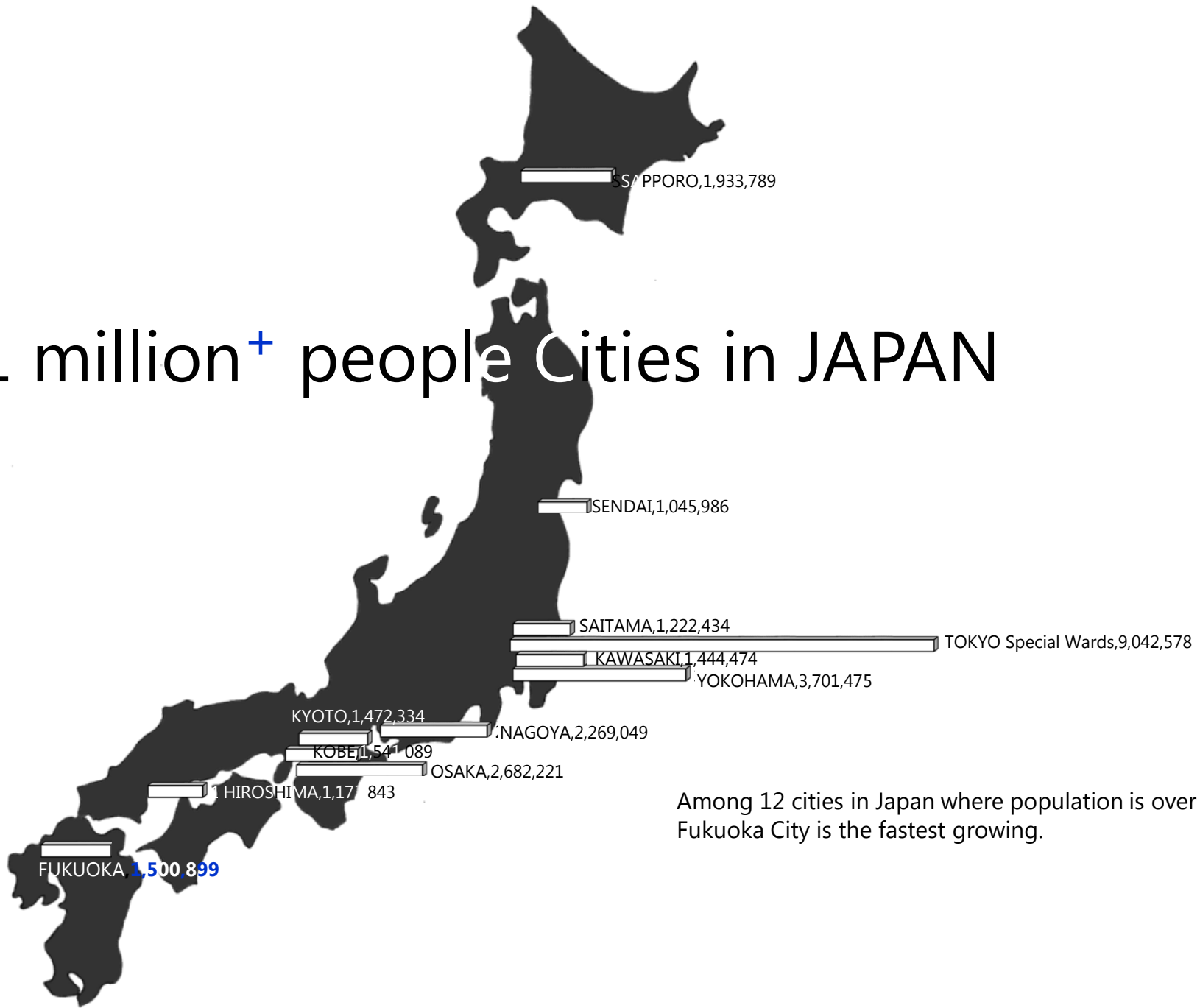
New!

Fukuoka city is the only city selected for the city exhibition in the 14<sup>th</sup> Japan Expo, held in Paris, France from 4–7 July, 2013, and is going to be introduced as the “Capital of Kyushu” displaying a variety of local products and information.





# 1 million<sup>+</sup> people Cities in JAPAN

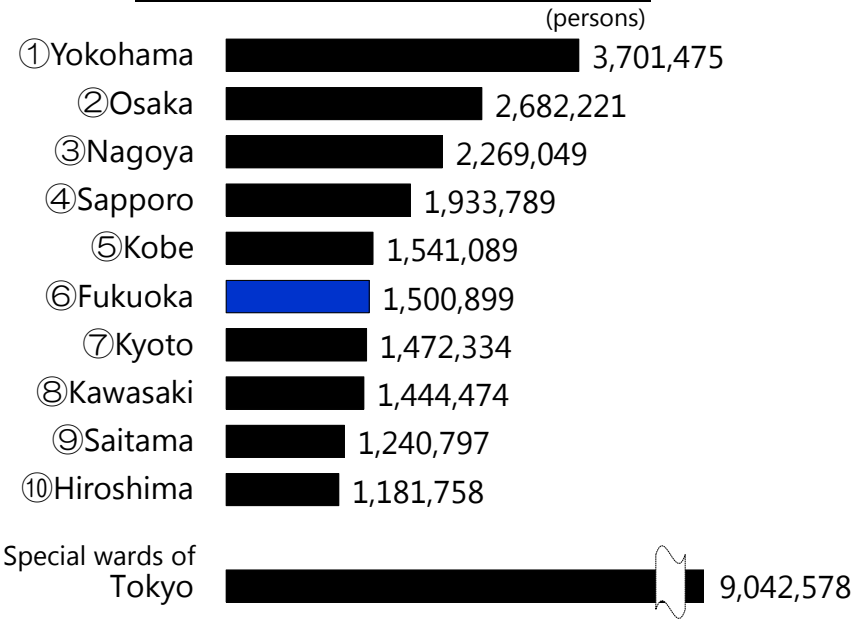


Among 12 cities in Japan where population is over a million, Fukuoka City is the fastest growing.

"1.5 million City Fukuoka"

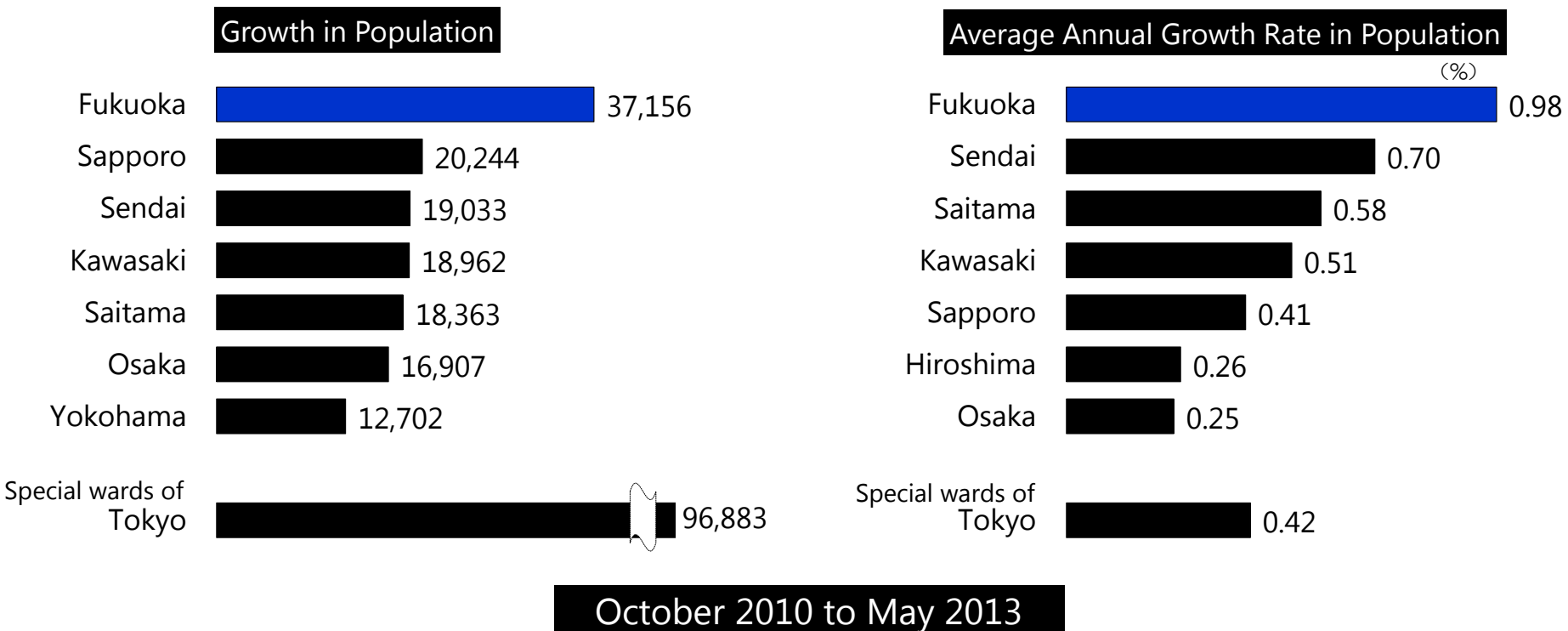
# 1,500,899 *persons*

## Top 10 Urban Population (estimates)



"Fukuoka city's population tops 1.5 million", reported in news.  
 It topped 1 million in 1975. Only after a short period of time as 38 years, it topped 1.5 million. Fukuoka city is "the fastest growing city in Japan" at this moment.  
 Except for the largest agglomeration in Special wards of Tokyo, Fukuoka city became a city with the 6th largest population cities including Kyoto city, Yokoyama city, Osaka city, Kobe city, and Nagoya city which are in the so-called Three Metropolitan Areas (Tokyo, Osaka, Nagoya) and Sapporo city.

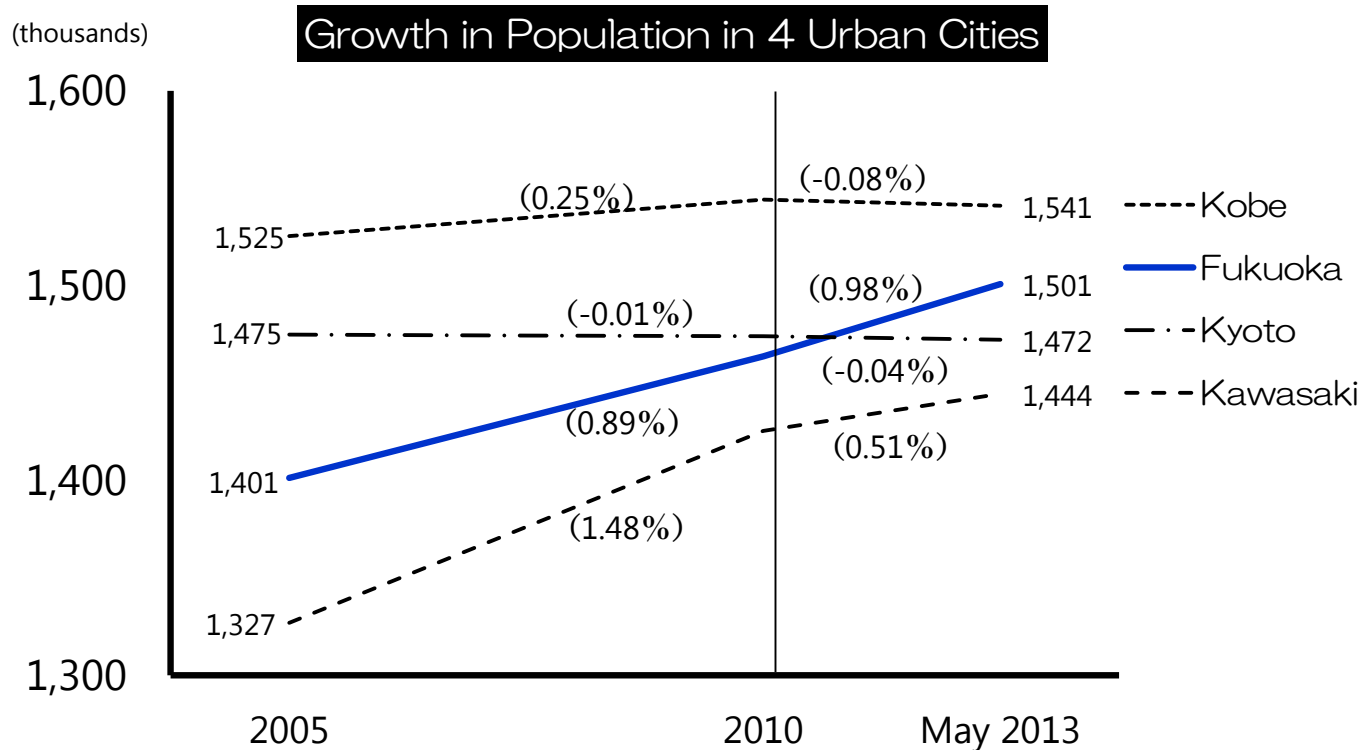
# Outstanding "Rapid Growth" in a short period of time



Only in 2 years and 7 months, Fukuoka city's population has increased by almost 40,000, which is the largest in ordinance-designated cities with almost the double of Sapporo city, the second in ranking. The growth rate of Fukuoka city's population is the highest among large cities. Both data indicate the outstanding trend of Fukuoka city where a lot of people gather.

Source: National Statistics (2010); Each City Statistics , May 2013  
 \*The growth rate is the annual average value of growth from October 2010 to May 2013  
 \*Ordinance-designated city in Japan  
 According to Japanese law, a city designated by the cabinet of Japan under Article 252, Section 19 of the Local Autonomy Law, becomes a city within the regional prefecture that has the same rights and duty as the prefecture. There are 21 cities designated as such. Tokyo Special Wards are not part of this system.

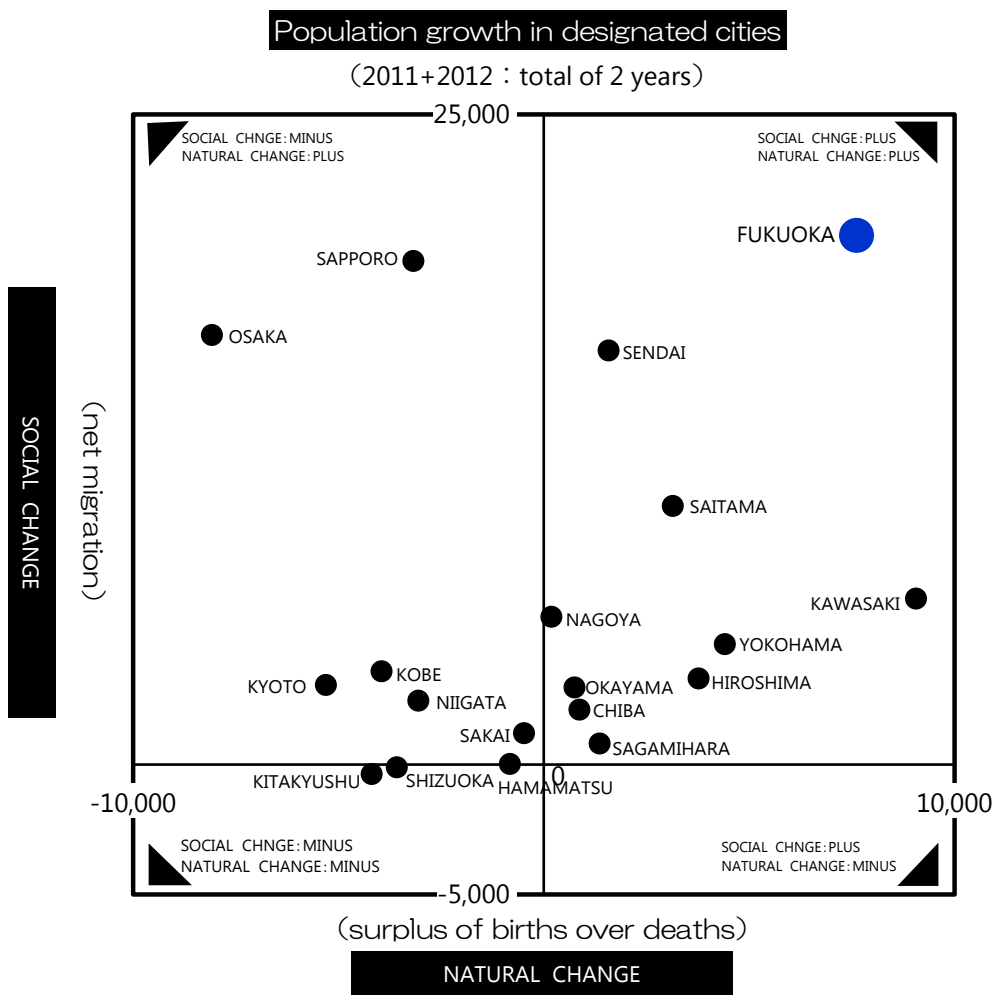
# Fukuoka's growth has accelerated exceptionally in Japan



Comparing Fukuoka city with the cities with similar population size, the growth rate of Fukuoka city's population has increased while the rate of some cities have decreased. It topped Kyoto city, and is getting close to Kobe city while the gap between Fukuoka and Kawasaki, previously approaching Fukuoka city with the high growth rate, is expanding. In the near future, this rapid speed will make Fukuoka city top Kobe-city by a head.

Sources: National Statistics (2010); Each City Statistics (May 2013)  
 •The growth rate is the annual average growth between each period ; annualized rate

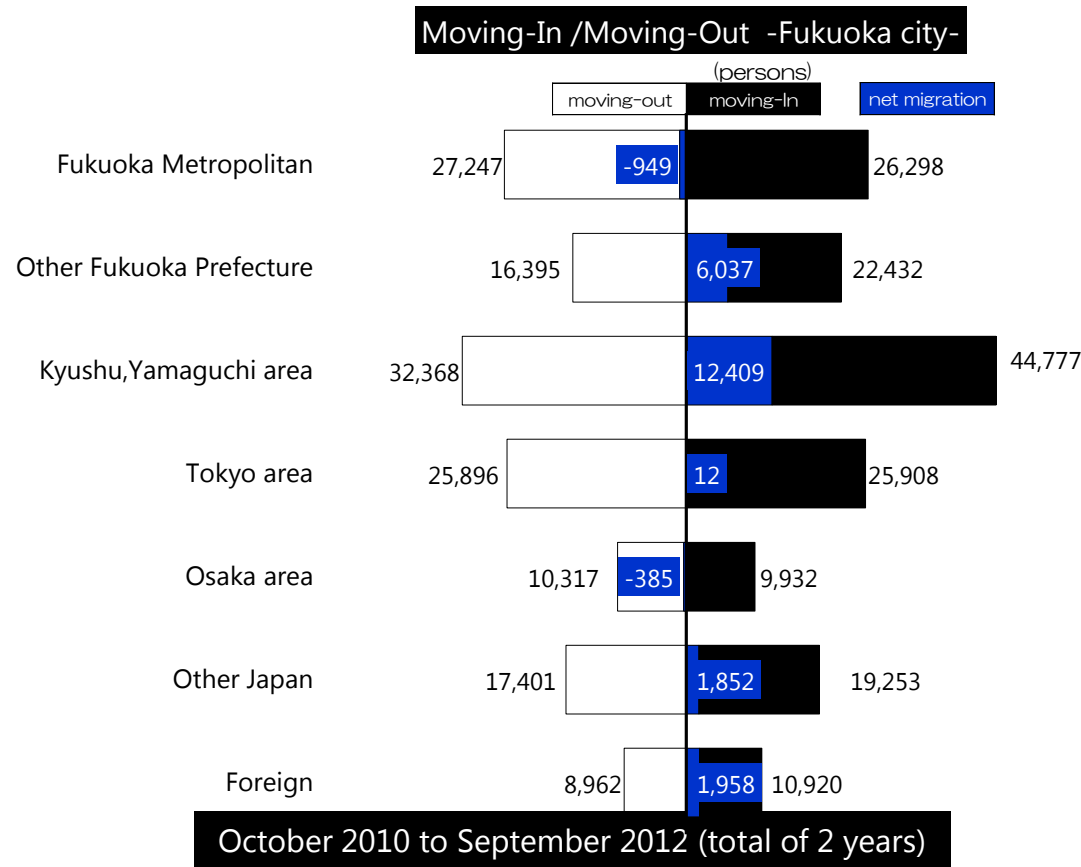
# Many people chose to live in Fukuoka



Fukuoka's net increase in both migration and birth numbers have topped other cities. Many people gathered to the city, which lead to the projecting population growth as a result.

With the concentration of population, Fukuoka city needs to fulfill the roll of pulling Japan's vitality further more.

# Concentration from the fertile hinterland of Kyushu region



About 60% of population growth in Fukuoka city comes from all Kyushu region & Yamaguchi prefecture where almost 15 million people live, which is about 3 times as large as Hokkaido region.

Data from Fukuoka Prefecture

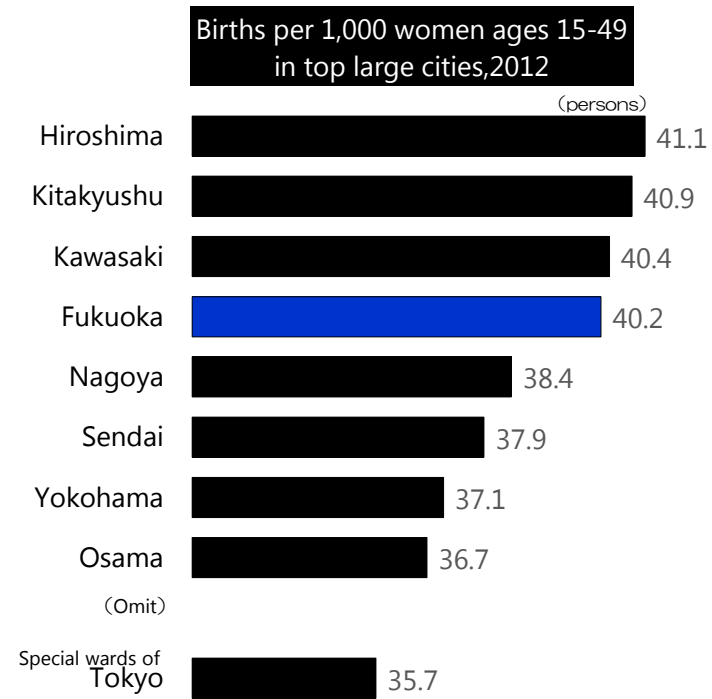
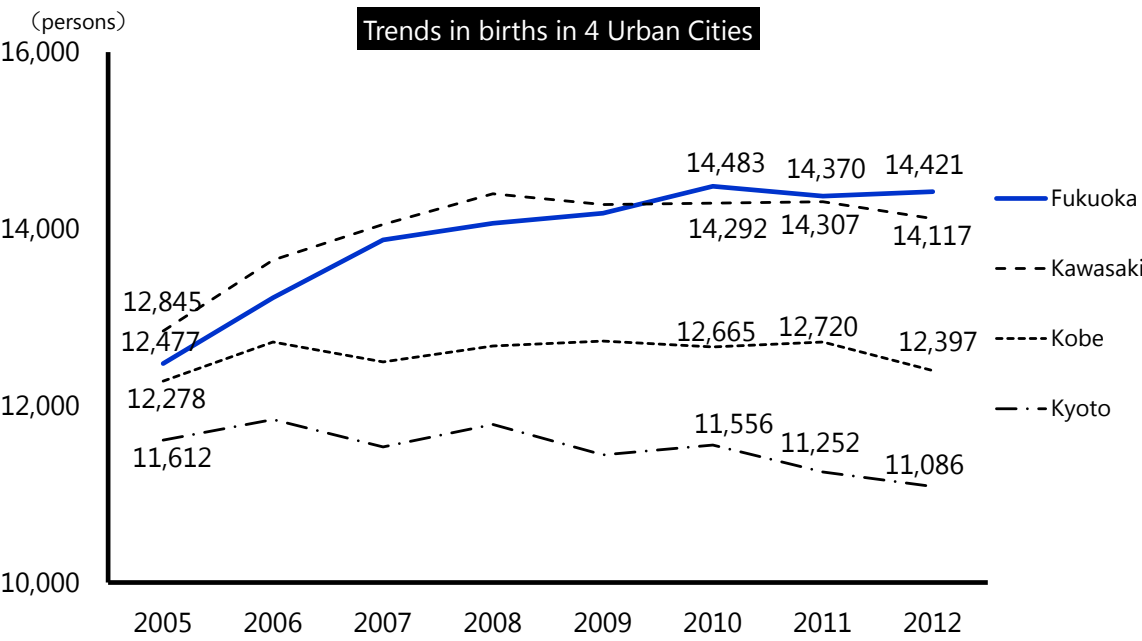
\*Fukuoka Metropolitan : City of Chikushino, Kasuga, Onojo, Munakata, Dazaifu, Koga, Fukutsu and Itoshima  
Town of Nakagawa, Umi, Sasaguri, Shime, Sue, Shingu, Hisayama and Kasuya

\* Tokyo and three prefectures : Tokyo ,Kanagawa,Chiba,and Saitama

\* Osaka and two prefectures : , Osaka ,Kyoto and Hyogo

\* Yamaguchi Prefecture is adjacent to Kyushu

# Number of birth is increasing

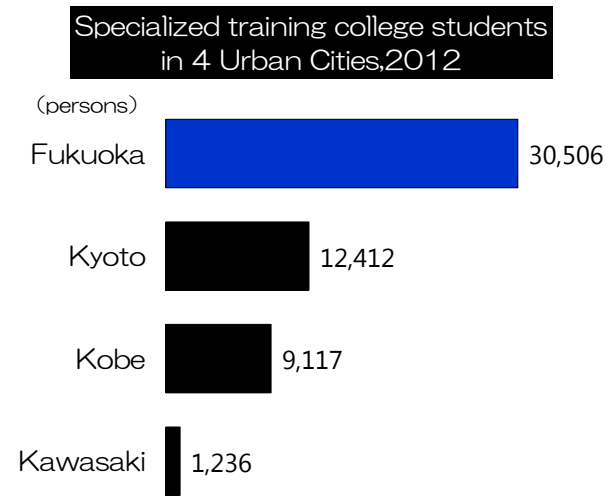
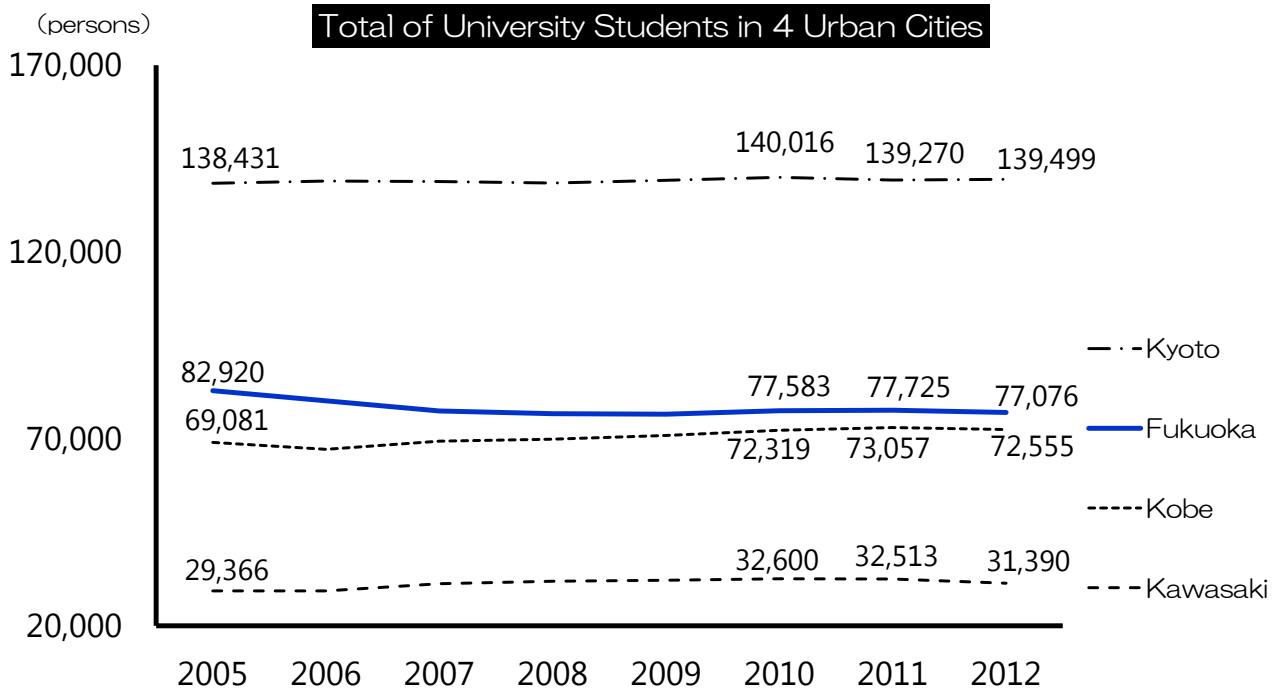


The number of birth in Fukuoka city is nationally at the higher level. Despite the recent decline in birthrate in Japan.

Source: Ministry of Health, Labor and Welfare  
 \* Source population for the estimate per population is estimated data on October every year.  
 \* Number of births on 2012 is estimates on preliminary figures.  
 \* Population; Data from each city statistics, 2012



# High Concentration of Youth and Students



Recently, the number of university students in Fukuoka city has been shifting flat. Also, many of special training school students are leaning various special knowledge and techniques in Fukuoka city.

These students in higher education and special education play part in "the City of Youth".

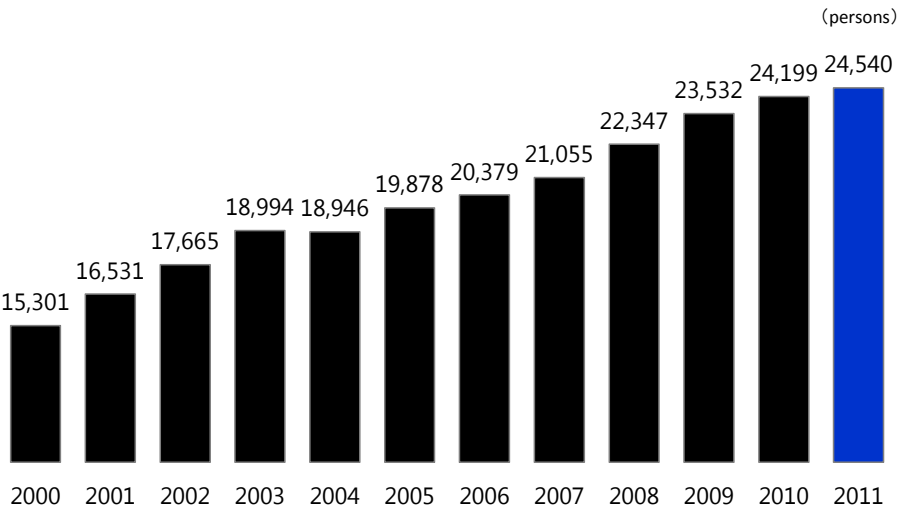
We can expect that having many students not only contributes to the population growth but also prompting enterprise to branch out or invest in, looking for young people with knowledge and skills.

Source: Ministry of Education, May 1, 2005-2012

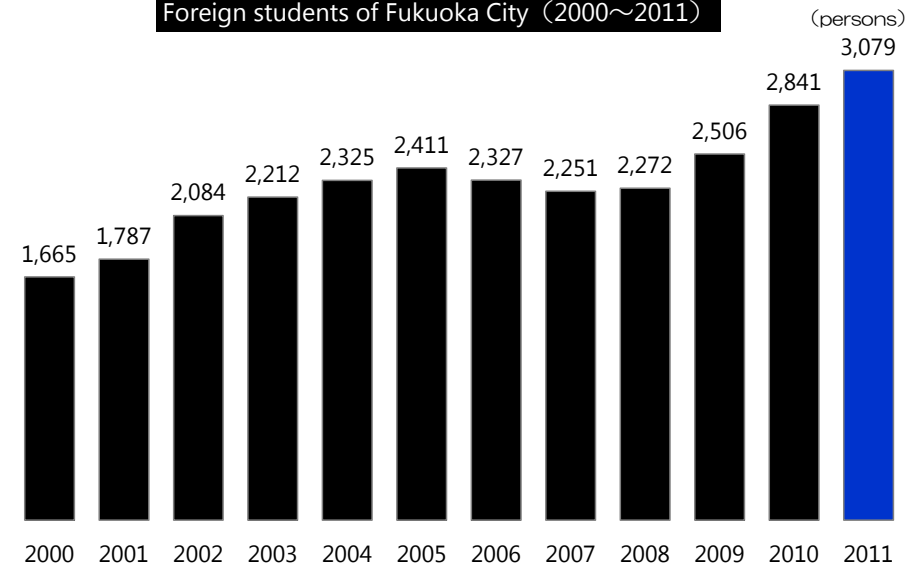
- Total of University Students (including post-graduate and special course students ), graduate students, and college students
- Special training college; Education in the skills, technology and knowledge, positioned as higher educational institutions in Japan

# Continuing Increase of Floating Population from Abroad

Registered foreigners of Fukuoka City (2000~2011)



Foreign students of Fukuoka City (2000~2011)



In the borderless society, increase of the foreign residents and students create more opportunities in Fukuoka city. Fukuoka city has aimed to position itself as a gate to Asia by actively interacting with overseas countries.