

# White Paper on International Economy and Trade 2016 [Outline]

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## White Paper on International Economy and Trade

•The white paper has been published since 1949, and this year's edition is the 68th.

\*Unlike the other four statutory white paper published by the Ministry of Economy, Trade and Industry as follows, the White Paper on International Economy and Trade has been circulated to the Cabinet annually without any legal obligations.

- •White Paper on Small and Medium Enterprises in Japan (Small and Medium-sized Enterprise Basic Act)
- White Paper on Small Enterprises in Japan (Basic Act for Promoting Small Enterprises )
- •White Paper on Manufacturing Industries (Basic Act on the Promotion of Core Manufacturing Technology)
- ·Annual Report on Energy (Energy White Paper) (Basic Act on Energy Policy)

## Capital investment-driven economic growth in China

Chapter 1 Section 1 Structural change in the economy of emerging countries

 Although the expansion of investments in China and other emerging countries led the global economy amid the slowdown in advanced countries after the global economic crisis, excess debt has arisen as a result of capital investmentdriven economic growth. In addition, excess capacity is becoming increasingly prominent.

#### A. Changes in the GDP by expenditure in China



Remarks: Among major advanced countries, Japan and Germany saw their ratios of gross fixed capital formation to GDP peak at 36.4% in 1973 and at 30.0% in 1971, respectively.

Source: Prepared by METI, based on UN National Accounts Aggregates Database



#### <u>C. The ratio of the balance of debts owed by non-financial</u> private companies to GDP in Japan and China



Source: Prepared by METI, based on UN National Accounts Aggregates Database, BIS The ratio of capital investment (gross fixed capital formation) to GDP in China is 44.0% (2014), higher than the levels seen in major advanced countries in their periods of high growth.

While the Chinese ratio has been on an uptrend over the medium to long term, it has further accelerated since the implementation of economic measures in the wake of the global economic crisis.

While China's share in global capital investment is 24.4%, its share in final consumption is only 9.3% (2014).

In line with an increase in capital investment, corporate debts have rapidly grown. The ratio of the balance of debts owed by non-financial private companies to GDP in China is 166.3% (the third quarter of 2015), surpassing the level seen in Japan immediately after the bubble economy era. Excess capacity and an increase in trade restrictive measures taken around the world

- The gap between production facility capacity and actual production is prominent in such sectors as steel, chemicals and liquid crystal displays, with producer and export prices falling.
- Due to the combination of the excess capacity and the global economic slowdown, trade restrictive measures, which have been decreasing internationally, are starting again to increase in these sectors.

#### <u>A. Crude steel production capacity and capacity</u> <u>utilization rate in China</u>



Source: Prepared by METI from industry data and reference materials released by the National Bureau of Statistics of China

#### B. Producer prices of major product items in China



Remarks: "Base metals" refers to items classified as "Base metals and articles, Products of the chemical and allied industries." Source: Prepared by METI, based on WTO Anti-Dumping Database

Compared with the rate of growth crude steel in production capacity in China, the rate of growth in production volume is moderate. The capacity utilization has been on a downtrend, falling to 71% in 2015.

result of the As а excess production capacity, producer fallen prices have in many sectors, including steel and chemicals. Recently, there has been some improvement.

(Reference) Figures as of December 2015 Total: -5.9% Iron and steel: -20.8% Chemical: -6.9%

Since the early 2000s, the number anti-dumping of measures taken around the world has been decreasing as a trend, but it is starting again to increase, mainly in the base metals and chemicals sectors.

# Falling resource prices and economic slowdown in resource-producing countries

Chapter 1 Section 1 Structural change in the economy of emerging countries

 Resource-producing economies recorded accelerated growth due to the expansion of demand for resources in emerging countries, but they are experiencing economic slowdown because of a steep fall in resource prices caused by an increase in supply due to such factors as the global economic slowdown and the shale revolution.

# A. Changes in prices of major commodities

2013

Source: Prepared using Thomson Reuters EIKON

2014

2015

2016

2011

2012

Prices of such resources as crude oil, coal and iron ore have fallen due to an increase in supply caused by such factors as economic slowdown in emerging countries and the shale revolution.

#### B. Real GDP growth rates of Russia and Brazil



Remarks: Simple moving average during the relevant period The figures for 2016 are estimates Source: Prepared by METI, based on IMF World Economic Outlook Database April 2016 Although resource-producing countries such as Russia and Brazil have achieved economic growth in line with an expansion of demand for resources, they have turned to negative growth as resource prices have started to decline.

## Structural reform initiatives in emerging countries

Chapter 1

Section 1 Structural change in the economy of emerging countries

• While the Chinese government is implementing structural reforms to shift from an investment-driven economy to a consumer-driven economy and is upgrading its industries, resource-producing countries such as Saudi Arabia are also starting structural reform initiatives.

#### A. Priority measures in China in 2016 (excerpt)

- 1. Stabilization and enhancement of macroeconomic policies
- 2. Supply-side structural reforms
  - →Resolution of excess capacity, reform of stateowned enterprises, etc.
- 3. Expansion of domestic demand and reform of demand structure

→Shift to more sophisticated consumption, expansion of consumption, etc.

- 4. Modernization of agriculture
- 5. Promotion of opening up to the outside world and realization of mutually beneficial relationships
- 6. Enhancement of environmental measures
- 7. Improvement of public welfare
- 8. Improvement of governing capabilities and administrative services.

Source: Excerpt from "Report on the Work of the Government" (the 4<sup>th</sup> session of the 12th National People's Congress, March 2016)

#### <u>B. Changes in research and development (R&D)</u> <u>expenditures in China</u>



 Remarks: The figures for China are based on data released by the National Bureau of Statistics of China and the figures for other countries are based on OECD data (data for 2014 except in the case of the United States, for which data for 2013 was used).
Source: Prepared based on National Bureau of Statistics of China, CEIC database, "Main Science and Technology Indicators" (OECD) The Chinese government intends to carry out structural reforms to shift from an investment-driven economy to a consumer-driven economy by resolving and so on excess capacity.

Elsewhere, resource-producing countries facing falling resource prices, such as Saudi Arabia, are also proceeding with structural reform initiatives.

R&D expenditures in China have continued to increase both in absolute amount and as a ratio to GDP. In 2015, the ratio to GDP came to 2.1%, surpassing the ratio for the United Kingdom and close to the ratio for France.

Under the "Made in China 2025" strategy, announced in 2015, the Chinese government aims to upgrade the manufacturing industry, for example bv promoting innovation and integrating information technology into the manufacturing industry.

Expansion of economic relationships between emerging countries

Chapter 1 Section 1 Structural change in the economy of emerging countries

• In terms of production, China's presence is growing. Whereas Japan, the United States and Germany were previously major export sources of value added in final demand for other countries, China's weight as an export source of value added is increasing.



Remarks: As data concerning value added is available only for 1995, 2000, 2005, 2008, 2009, 2010, and 2011, the figures for other years are estimates based on the assumption that the same annual rate of change continued. Source: Prepared by METI, based on Global Trade Atlas, OECD TiVA

For many countries, Japan, the United States and Germany were major export sources of value added in final demand until around 2005. However, China has become the largest such source for an increasing number of countries in recent years.

(Note) The largest export source of value added in final demand refers to a country that is creating the largest amount of value added in a relevant country's final demand except for itself. The latest data available is for 2011.



Although China overtook Japan in terms of share in the value of nominal U.S. imports in 2002, Japan continued for a while to virtually provide value added through exports of parts and the provision of licenses to China.

Later, as the share of value added in China continued to rise, China also surpassed Japan in terms of share in U.S. imports of value added around 2006.

# Worldwide declines in total demand and the potential growth rate

Chapter 1 Section 2 Worldwide decline in growth expectations

- Since the global economic crisis, advanced countries have stayed in a state of negative GDP gap, which means that the total demand is smaller than the potential supply volume, so their economic growth has slowed down.
- The potential growth rate also has been on a downtrend due to low investments and the aging population.



#### A. Changes in the GDP gap in OECD member countries



(Year-on-year changes in contribution, %) Contribution by TFP 5 Contribution by labor 4.1 Contribution by capital 3.7 4 Potential growth rate 2.9 2.7 3 0.3 2 0.9 0.9 0.6 0.6 0.8 0.5 1 2.0 0.9 0.9 0.8 0 ▲ 1 -2005 2 -2005 2001-2005 996-2000 996-2000 996-2000 986-1990 991-1995 991-1995 986-1990 991-1995 986-1990 006-201 201 2006-201 -900 2001-2001 Japan U.S. Germany Remarks: As for the estimation method and data used here, see Note 1.

Since the global economic crisis, the total demand has remained smaller than the potential supply volume in advanced countries.

According to an estimate by the OECD, although the GDP gap in OECD member countries has gradually been turning toward the positive column, it was still in the negative column, at -1.17%, in 2016.

(Note) The GDP gap refers to the ratio of real GDP to the potential supply volume. When the gap takes a negative value, it means that the level of real GDP falls short of the potential supply volume, indicating a demand shortage.

The potential growth rates of major advanced countries have been on a long-term downtrend due to declines in the workingage population and capital investment.

# Toward expansion of external economic relationship

- Chapter 2 Section 1 Current status and challenges of Japan's external economic relationships
- While many major OECD countries are pursuing economic growth through the expansion of exports, the ratio of exports to GDP (export ratio) for Japan is low and the growth in the ratio is also low.



#### C. Export ratios, changes in the ratios, and per-capita GDP



Although the ratio of exports to GDP (export ratio) for Japan has been increasing somewhat in recent years, it has stayed lower than the ratios of other major OECD countries in terms of goods exports and services exports.

The goods export ratios for the Republic of Korea (ROK) and Germany are relatively high, at around 40%. In the case of Germany, the export ratio excluding exports to other EU countries is still higher than the export ratio for Japan.

The ratio of services exports to GDP is high for the United Kingdom. As in the case of Germany's goods exports, the U.K. services export ratio excluding exports to other EU countries is still higher than the export ratio for Japan.

Since 2000, although many major OECD member countries, including Germany and the ROK, have pursued economic growth through the expansion of exports, the export ratio for Japan has remained low.

Remarks: Indicating changes between 2000 and 2014 Source: Prepared based on UN National Accounts Main Aggregates

## Worldwide expansion in services trade

 While goods trade has slowed down around the world, services trade is steadily growing. The size of the global market is 1.2 trillion U.S. dollars for travel services and 1.1 trillion U.S. dollars for consulting and other business services.

#### A. Growth rates of global services exports (2005-2014)



Between 2005 and 2014, global services trade grew at a faster pace than goods trade and nominal GDP.

(Reference) The growth rate of the global ratio of goods trade to GDP has been slowing down as a trend, with the rate falling 0.8 points between 2011 and 2014.

Telecommunications,

computer and information services, construction services, and professional services are recording particularly high growth rates, leading the entire services trade.

#### B. Value of global services exports in 2014 (trillion U.S. dollars)



The global market is largest for travel services, at 1.2 trillion dollars, followed by the market for consulting and other professional services, at 1.1 trillion U.S. dollars.

## Toward expanding Japan's services exports (i)

Chapter 1 Section 3 Emergence of new sources for growth Chapter 2 Section 2 Expanding services trade by taking advantage of Japan's strengths

 Japan's services exports by sector are low compared with exports by other major countries. Although the export ratio of professional services is high for other advanced countries, including the United States, European countries, and India, the ratio for Japan has remained low.







statistical constraints, the figure for Japan is the growth rate for the total sum of exports of professional and business consulting services and exports of technical and trade-related services.

Source: Prepared based on OECD Stat, Office for National Statistics, Bank of England



Remarks: The average annual growth rates between 2010 and 2014. Source: Prepared based on OECD Stat, Office for National Statistics, Bank of England While the export ratio of professional services to GDP is high for other major advanced countries, the ratio for Japan has remained low.

Emerging countries such as India have increased their export ratios through outsourcing contracts with advanced countries.

Among professional services, "professional and business consulting services" is at a high level in terms of both export value and growth rate in the United States and the United Kingdom.

Professional and business consulting services

Services trade related to legal affairs, accounting and business consulting, public relations, and advertising and market research

Among professional services, "R&D services" is at a high level in terms of export value in the United States and Germany, while the growth rate is high in Japan, too.

#### R&D services

In addition to services trade related to R&D (basic research, application research, new product development, etc.), trade in industrial property rights representing the achievements of R&D (patent rights, utility model patent rights and design rights) is included.

\*Fees for the use of industrial property rights are registered as "fees for the use of intellectual property rights, etc."

## Toward expanding Japan's services exports (ii)

Chapter 1 Section 3 Emergence of new sources for growth Chapter 2 Section 2 Expanding services trade by takin

Section 2 Expanding services trade by taking advantage of Japan's strengths

 In many sectors, the services export value for Japan is low compared with the values for other major countries. The challenges for Japan include not only enhancing the competitiveness of its services industries but also improving the investment environment in the neighboring emerging countries.

#### <u>A. Ratio of other major services exports to GDP</u> in G20 countries (2014)





Remarks: "0" indicates that the services market is completely open to trade investment, while "1" indicates that the market is completely closed. Each of the average for OECD member countries and the average for non-OECD member countries is the simple average for relevant countries for which data are available. The data are for 2015. Source: Prepared by METI, based on OECD STRI Database The export ratio of financial services is high for the United Kingdom and the export ratio of transportation services is high for the ROK, while the export ratios of these services for Japan have remained low compared with the ratios for other major countries.

The export value of fees for the use of intellectual property rights, including licensing fees, is high for Japan due to receipts of such fees from overseas subsidiaries.

The values of the restrictiveness indicators are higher for non-OECD member countries than for OECD member countries. For Japan, the challenge is improving the investment environment in the neighboring emerging countries. Advance of information and communications technologies and new services

In the "telecommunications, computer and information services" sector, the overall growth rate is high, with new services arriving in both advanced and emerging countries against the backdrop of the advance of information and communications technologies.



#### <u>B. Export value and growth rate of "maintenance and repair</u> <u>services" in the manufacturing-related services sector</u>







Source: Excerpted and edited from reference materials prepared by Hitachi Ltd.

Chapter 1 Section 3 Emergence of new sources for growth

The export ratio of telecommunications, computer and information services to GDP is high for India and major advanced countries.

With the advance of information and communications technologies, new services are arriving in both advanced and emerging countries.

While the growth of crossborder trade in repair and aftersale services related to goods is prominent in advanced countries, this may include cases in which value added is shifting from the simple sale of goods to data through the use of big data analysis.

In Japan, too, it is becoming increasingly important to develop a new business model that strategically links the strengths of the manufacturing industry with data obtained from things.

# Trade policy challenges toward the digital revolution

• While there are signs of change in the industrial structure, such as the entry of IT companies into such sectors as autonomous driving and financial services and the arrival of product-related services based on big data analysis, it is necessary to respond to new trade policy challenges, including the free distribution of information.



- (1) Non-taxation of electronic delivery
- (2) Non-discriminatory treatment of digital products
- (3) Ensuring free cross-border transfer of information
- (4) Prohibition of demands for domestic installation of servers and other computer-related equipment
- (5) Prohibition of demands for disclosure of source codes

global data flow As is expanding explosively due to the advance of information and communications technologies, ensuring the free flow of data has become a prerequisite for the digital revolution, as exemplified by the entry of IT companies into such sectors as autonomous drivina and financial services.

While ensuring free the distribution of information is the prerequisite for the digital revolution, policy new trade challenges have emerged, includina responding to mandatory localization measures, such as the demand installation for of servers, harmonizing regulations on the protection of personal information, and ensuring security.

The TPP lays down such rules as non-taxation of cross-border electronic information delivery in order to facilitate free distribution of information.

# Securing IT-skilled people essential to the digital revolution

- Chapter 2 Section 1 Current status and challenges of Japan's external economic relationships
- Although new services taking advantage of information and communications technologies require competent IT-skilled people, few foreign IT-skilled people desire to work in Japan. Possible factors behind this may be low levels of job satisfaction and salary.



A. Countries where IT-skilled people from

Japan was the least popular country as a desirable location of work for IT-skilled people desiring to work abroad from of the four all surveyed countries except Indonesia. For IT-skilled people in India and the most desirable China, location of work is the United States.

Remarks: The country names refer to countries where the respondents desire to work. Source: Prepared from "International Comparison concerning IT-skilled people " by METI



Remarks: The country names refer to the survey subjects' countries of residence. The proportion of those who are satisfied with each item. Source: Prepared from "International Comparison concerning IT-skilled people " by METI

source: Prepared from International Companson concerning IT-skilled people by METT



Remarks: The horizontal axis represents the salary level and the vertical axis represents the distribution of survey subjects who correspond to each salary level as estimated through the kernel density function (approximation of the frequency distribution calculated through continuous functions). The country names refer to survey subjects' countries of residence.

Source: Prepared from "International Comparison concerning IT-skilled people " by METI

IT-skilled people in Japan have a lower level of satisfaction with their job and working environment compared with their counterparts in the United States, and this may be a possible factor behind Japan's failure to attract such people from abroad.

In terms of salary, too, the overall level in Japan is lower than in the United States, and this may be a factor behind Japan's lack of attractiveness for IT-skilled people from abroad.

# Global trend in international travel and tourist visits to Japan

- Chapter 1 Section 3 Emergence of new sources for growth Chapter 2 Section 2 Expanding services trade by taking advantage of Japan's strengths
- Despite the recent increase in visits to Japan, the ratio of travel service receipts to GDP for Japan is low. The challenge for Japan is to attract many long-term stay visitors from various regions, as Thailand is doing, in order to increase tourism revenue.

#### <u>A. Global rankings of countries in terms of the</u> <u>number of foreign tourists received (2014)</u>

No. 1 France	83.77 million	No. 5 Ital	y 48.58 mil	llion
No. 2 U.S.	75.01 million	No. 14 Tha	iiland 24.81 mil	llion
No. 3 Spain	65 million		:	
No. 4 China	55.62 million	No. 22 Jap	an 13.41 mil	llion

\*1: Including non-tourist travelers

\*2: In 2015, the number of foreign visitors to Japan was 19.74 million people.



#### B. The export ratio of travel services to GDP (2014)

Source: Prepared by METI, based on World Bank, Japan National Tourism Organization, World Tourism Organization



While the number of visitors to Japan has increased rapidly in recent years, Japan ranks 22nd in the world in terms of the number of foreign visitors received.

As already stated, receipt of tourists is the largest item of services trade with a market size of 1.2 trillion dollars. However, the export ratio of travel services to GDP for Japan is lower than the ratios for other major countries.

Thailand, which has been successful in attracting tourists, has been increasing tourism revenue by attracting more long-term stay visitors.

For example, a comparison of U.K. tourists to Thailand and Japan shows that the average number of days of overnight stay per person as well as the number of tourists is larger for Thailand, contributing to an increase in tourism revenue.

## Value added tourism exploiting local resources

 As tourists make repeated visits to Japan, the focus of expectations shift from shopping to cherry blossom viewing, skiing, hot spring bathing, cultural experiences, etc. The challenge for Japan is to develop tourism with higher value added by exploiting local resources through guided tours of historical buildings, for example.



#### A. Share of tourists to Japan by the number of visits



Eating Japanese food

Shopping



After the first visit, the focus of tourists' expectations in Japan tends to shift from shopping to experiences of seasonal events such as cherry blossom and autumn leaf viewing, skiing, hot spring bathing, and cultural experiences.

In order to attract more repeat visitors to Japan, the challenge is to develop tourism with higher value added by exploiting local resources through guided tours of historical buildings, for example.



Remarks: The top five items in terms of the gap between the levels of expectations before and after the visit are distinguished by color. Source: Consumption Trend Survey for Foreigners Visiting Japan (2015) Japanese exports are concentrated in some specific sectors

 Goods exports in 2015 amounted to 75.6 trillion yen, the largest value since 2009. However, the contributions made by transportation equipment and exports to the United States were particularly large.



#### <u>C. Contributions by countries and product items to</u> <u>the growth rate of Japanese exports</u>

	U.S.	EU	China	Asian NIEs	Others	World
1. Foods	0.01%	0.00%	0.00%	0.02%	0.02%	0.05%
2. Crude materials	0.01%	0.00%	0.01%	0.00%	0.03%	0.05%
3. Mineral fuel	0.00%	-0.01%	-0.02%	0.03%	0.04%	0.04%
4. Chemicals	0.06%	0.01%	0.10%	0.00%	0.06%	0.24%
5. Manufactured goods	0.10%	0.01%	-0.05%	-0.13%	0.19%	0.12%
6. Machinery	0.32%	0.03%	-0.11%	-0.08%	0.16%	0.31%
7. Electrical machinery	0.15%	-0.01%	0.02%	0.01%	0.02%	0.18%
8. Transport equipment	0.61%	0.08%	-0.04%	0.04%	0.13%	0.82%
9. Others	0.12%	-0.01%	0.14%	0.23%	0.02%	0.51%
Total	1.37%	0.10%	0.04%	0.13%	0.68%	2.33%

Source: Prepared by METI from "Trade Statistics of Japan" (MOF) "Census of Manufacture" (METI)

The breakdown of Japanese exports by product item shows that while the shares of transportation equipment, general machinery and electrical machinery are large, transportation equipment has made the largest contribution to the growth rate of overall exports in the most recent five vears.

Among Japan's export destinations, Asian NIEs, the United States and China have relatively large shares of 20% each, while the United States has made by far the largest contribution to the growth rate of overall exports in the most recent five years.

The breakdown by export destination and product item shows that the contribution made by "exports of transportation equipment to the United States" is particularly large.

# Japanese exports are concentrated in some specific sectors

• The breakdown of the manufacturing industry's exports by domestic region shows that the growth rate is high in Hokkaido and Hokuriku. However, in terms of contribution to the growth rate of overall Japanese exports, the manufacturing industry's exports depend heavily on the Tokai-Koshin region, whose share in the exports is large.



A breakdown of the manufacturing industry's exports by domestic region shows that between 2010 and 2014, the growth rate was high in Hokkaido and Hokuriku.

As for regions' shares in Japanese exports, Tokai-Koshin, Kanto and Kinki had large shares, and the Tokai-Koshin region made by far the largest contribution to the growth rate of overall Japanese exports.

Source: Prepared by METI from "Trade Statistics of Japan" (MOF) "Census of Manufacture" (METI) Current status of Germany, where exports by regions are robust

• In German states, the manufacturing industry has a higher export ratio than in Japanese regions, indicating a stronger inclination to capture foreign market shares. All states but one are recording an increase in exports, with a steep decline in exports observed in no region.



The manufacturing industry's export ratio in each and every German state is higher than the ratio in any prefecture in Japan.

Among all prefectures in Japan, Hiroshima has the highest export ratio, but it is lower than the ratio in Thüringen, which has the lowest export ratio of all German states.

In Japan, exports declined in 33 prefectures, around 70% of all prefectures, around the time of the global economic crisis, while in Germany, exports increased in all states but one.

In Germany, there was no region where exports declined steeply.

Remarks: The export ratios are figures for 2013. The export growth rates are annualized figures. The vertical axis represents the kernel density. Source: Prepared by METI, based on "Census of Manufacture" (METI), GENESIS online

## Increase in exporting establishments in Japan

 In Japan, too, the proportion of establishments in exports is rising in most major business sectors and regions, indicating that the export base, including SMEs and middle-sized enterprises, is expanding.



<u>A. Changes in the proportion of exporting establishments</u> in the Japanese manufacturing industry (by sector)

Remarks: The figures are the proportions of exporting establishments in 2014. Ten sectors for which the total value of shipments, etc. is high were selected as the major sectors.

Source: Prepared from "Census of Manufacture" (METI)

#### <u>B. Changes in the proportion of exporting establishments in</u> <u>the Japanese manufacturing industry (by region)</u>



Remarks: The figures are the proportions of exporting establishments in 2014. Source: Prepared from "Census of Manufacture" (METI)

Between 2010 and 2014, the proportion of exporting establishments\* rose in most major sectors of the manufacturing industry in Japan.

\*The proportion of exporting establishments: the proportion of business operators engaging in exports in all business operations in each sector.

By region, the proportions of exporting establishments rose in all regions.

# Non-exporting establishments with high export potential

In addition, there are many non-exporting establishments with high export potential, mainly SMEs and medium companies, so there is ample room for further expanding the export base. One of the challenges for Japan is making use of "Consortium for New Export Nation".

#### A. The proportion of non-exporting establishments with high export potential in all manufacturing establishments



Remarks: The data are for 2014. The sector names are abbreviated forms of the official names. Source: Prepared by METI, based on "Census of Manufacture" (METI) The number of establishments which (are not now engaging in exports but which have higher export potential than exporting establishments) is larger than the number of exporting establishments.

By sector, there are many such establishments in the petroleum and coal product manufacturing industry and the metal product manufacturing industry. As a ratio to exporting establishments, there are also many such establishments in the food manufacturing industry.

By region, there are many nonexporting establishments with high export potential in Hokkaido. Development of overseas sales channels by SMEs

 Making use of trading companies and online platforms, and cooperating with designers are effective for small and medium-size enterprises in developing overseas sales channels. However, many enterprises are unable to find suitable partners.



SMEs In some cases, are sales promoting overseas of products traditional craft by developing design-oriented products that meet foreign customers' needs or by making use of online platforms.

Many enterprises replied that they have saved necessary costs, including the costs of local information gathering and marketing, by using trading companies or wholesalers, so using such intermediaries is presumed to be effective in promoting exports.

On the other hand, many enterprises are unable to find suitable trading companies or wholesalers, so the challenge is promoting business matching by supporting the development of overseas sales channels, for example.

Source: Prepared from "Questionnaire Survey concerning Growth and Investment Behavior of SMEs" by Teikoku Data Bank (2015).

10.0% 20.0% 30.0% 40.0%

0.0%

Remarks: Multiple answers

# Municipalities' support for development of sales channels

- Chapter2 Section 3 Globalization of local economies and export stimulus by SMEs and export stimulus by SMEs and middle-sized enterprises
- Municipalities in Japan and Germany whose exports continue to expand are supporting activities for international expansion, including R&D cooperation, in addition to developing sales channels.

A. Changes in overseas sales of pharmaceutical makers that participated in an exchange program implemented by Toyama Prefecture



Remarks: A questionnaire survey conducted by the Toyama Pharmaceutical Association (2015) 15 out of the 19 pharmaceutical makers that participated in the exchange program gave replies. Source: Prepared based on Kitanippon Shimbun (June 4, 2015)





Source: Accenture ("Survey on the Impact, etc. of Emergence of Innovative Industries on Global Trade and Investment Patterns" (a survey commissioned by METI)) In Toyama Prefecture, the Toyama Pharmaceutical Association has been continuing an exchange with the Basel region of Switzerland, which is called the world's pharmaceutical capital, as part of an initiative to develop overseas sales channels for the pharmaceutical industry.

-Since 2006, the following activities have been conducted: dispatch of overseas missions, commissioned production by companies in the two ioint R&D, dispatch regions, of researchers from Toyama to the University of Basel, an exchange of researchers in academia, government and industry in the two regions, etc. \*In 2007 to 2009, JETRO's Regional Industry Tie-Up (RIT) program was used.

-An exchange was conducted with Italy, France, Southeast Asian countries, etc. in addition to Switzerland.

-Overseas sales of companies participating in the exchange program have increased significantly.

In Germany, there is substantial export support, mainly business matching, for SMEs at the state level. -Support for exhibiting in trade fairs, sharing of databases of corporate information, visits by companies to foreign countries, acceptance of missions from abroad, acceptance of visits from specific companies, etc. (the state of Bavaria)

Example of business matching in a cluster

•The cluster manager, acting as the key person of the network of industry and academia, accelerates the company's business expansion by efficiently linking contact points within and outside the cluster.

 The cluster maintains networks with with many countries, personnel possessing regional links acting as contact points (personal ambassadors) outside the country, and supports exports and overseas expansion by cluster companies (the renewable energy cluster in Hamburg).

Challenge of exploring the new frontier of emerging countries

- It is highly probable that India and Africa will take over the role of growth driver from Asian emerging countries, which face a decline in the workingage population. With the advance of urbanization, demand will expand for both the development of new infrastructure and the maintenance and repair of existing infrastructure.
- The challenge for Japan is making further contributions to economic and social development through the export of "high quality infrastructure" and providing further support for Japanese companies' overseas expansion.

A. Estimates of future proportions of the working-age population in major regions



While the proportion of the working-age population is starting to decline in East Asia, it has yet to peak in South Asia and Africa, indicating the high probability that the latter regions will take over the role of growth driver.

Remarks: Proportion of the population of people aged 15 to 65 in the total population



B. Urbanization rates in major emerging countries and regions

Remarks: The figures for 2020 and later are estimates.





Remarks: Discounted present value of demand between 2014 and 2020

Source: Edited by METI from "Urbanization Prospects" (United Nations Population Prospects), "Infrastructure Investment Demands in Emerging Markets and Developing Economies" (Fernanda Ruiz-Nuñez and Zichao Wei, 2015) While the urban population has grown rapidly in China since the 1990s, urbanization has yet to start in India and sub-Saharan Africa.

With the advance of urbanization, demand will rise high for both the development of new infrastructure and the maintenance and repair of existing infrastructure, mainly in the electricity and transportation sectors.

## Establishment of new rules in TPP

Chapter 3 Section 2 Policies reflecting Japan's challenges in international economy and trade

- TPP was signed in February 2016. TPP establishes new rules in a wide range of fields in addition to tariff elimination in the market which covers approx. 40% of the global GDP and approx. 30% of export value from Japan.
- TPP provides various benefits to SMEs in a wide range of fields; such as elimination of tariffs, accumulation in rules of origin, liberalization of investment and cross-border trade in services, strong enforcement systems against counterfeiting and a new set of rules for e-commerce.



GDP of TPP countries covers approx. 40% of the global GDP.

Export value from Japan to TPP countries covers approx. 30% of total export value from Japan.

# Pushing ahead with economic partnership negotiations and utilization of WTO

- It is important to push ahead with on-going negotiations such as Japan-EU EPA, RCEP, Japan-China-Republic of Korea FTA to conclude comprehensive and high-level EPA/FTAs.
- Need to tackle new issues such as e-commerce in WTO. And need to conclude the negotiations on Environmental Goods Agreement and Trade in Service Agreement as early as possible, building on the momentum of the successful conclusion of ITA expansion negotiations.

## A. Development of Japan's FTA/EPA networks

## B. ITA expansion in WTO

The 53 WTO members agreed on the elimination of tariffs on **201 IT products** at the WTO's 10th Ministerial Conference, in Nairobi.

- Annual trade in these 201 products is valued at <u>over \$1.3</u> <u>trillion per year</u>, which accounts for <u>approximately 10%</u> <u>of world trade</u> today. This value considerably <u>exceeds the</u> <u>share of world trade represented by automotive</u> <u>products</u> which stands at approximately 4.8 per cent.
- ✓ The Japanese export of IT products covered by ITA Expansion to the world is <u>9 trillion</u> yen and is <u>approximately</u> <u>12 % of total world export</u> (approximately 73 trillion yen) and total elimination value is calculated as approximately <u>170 billion yen</u>.
- <u>Over 90%</u> of the 53 Members' customs duties on a all tariff line basis will be eliminated <u>within 3 years</u>. Moreover, <u>the</u> <u>elimination of customs duties on these 201 products</u> <u>will be completed within 7 years</u>.

The conclusion of ITA expansion negotiations is the first largescale tariff elimination in the 21<sup>st</sup> century. Acceleration of free trade of IT products with ITA expansion is expected to contribute to the development of IT industries and the advancement of economic activities all over the world.

So far, Japan has 16 EPA/FTAs signed/ put into force with 20 countries.

Japan is also pushing ahead with on-going negotiations such as Japan-EU EPA, RCEP, and Japan-China-Republic of Korea.

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Chapter 3 Section 2 Policies reflecting Japan's challenges in international economy and trade

## Improvement of Investment Climate through Promoting the Conclusion of Investment-Related Agreements

- "Action Plan for improvement of investment climate through promoting the conclusion of investment-related agreements " was formulated on 11 May 2016.
- Action plan stipulates that the government i) aims for signature/ entry into force of investment-related agreements with 100 countries/ regions by 2020, and ii) considers inclusion of such sectors as trade in service and e-commerce in investment-related agreements.

## A. Development of Japan's investment-related agreements



Japan has concluded investment-related agreements with 35 countries/regions. If all the agreements under negotiation or signed enter into force, 79 countries/ regions would be covered.

- (1) Increment of the number of investment-related agreements Aim for signature/ entry into force of investment-related agreements with **100 countries/ regions by 2020**.
- (2) Selection of Negotiating partners

<u>Consider negotiation partners every year</u> by taking into account of actual investment from Japan and prospects of its expansion, requests from Japanese industry, the needs and situations of the counterpart country.

(3) Pursuit of High-quality agreement

<u>Pursue high-quality agreements</u> (investment liberalization agreements in mind), on the other hand, <u>negotiate\_flexibly</u> with valuing speed and taking into account of negotiation partners' situations.

- (4) Discussion in multilateral forums <u>Contribute to the international discussion for improvement of</u> <u>investment climate</u> in multilateral forums.
- (5)Other Sectors <u>Consider inclusion of such sectors as trade in service and</u> <u>e-commerce in investment-related agreements.</u>

Action plan (formulated on 11 May 2016) stipulates that the government :

i) aims for signature/ entry into force of investment-related agreements with 100 countries/ regions by 2020.

ii) considers inclusion of other such sectors as trade in service and e-commerce in investmentrelated agreements.