



Trilateral
Cooperation
Secretariat

2016 TRILATERAL STATISTICS

中日韩三国统计册・日中韓三国統計集・한중일3국통계집

2016

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Foreword



I am glad to present the 2016 Trilateral Statistics, which contains selected important statistical data of China, Japan and the Republic of Korea (ROK). I hope that you will find this publication useful to look for recent key facts and figures on the trends of economic, social and environmental development in the three countries.

Since its establishment in 2011, the Trilateral Cooperation Secretariat (TCS) has been mandated to promote a better understanding of trilateral cooperation. Currently, there are 21 ministerial meetings and over 60 inter-governmental mechanisms among the three countries in various areas.

From the intuitive charts and figures, I hope that 2016 Trilateral Statistics will provide useful information for you and give guidance for understanding the dynamic and close relations among the three countries.

A handwritten signature in black ink, consisting of stylized Chinese characters, positioned above the printed name.

YANG Houlan
Secretary-General
Trilateral Cooperation Secretariat

Table of Contents

Quick Look 06

1. Basic Indicators

1-1. 2015 at a Glance	10
1-2. Regional Economies (2015)	11
1-3. Gross Domestic Product (GDP)	12
1-4. GDP Growth Rate	13
1-5. GDP per Capita	14
1-6. CPI (Consumer Prices Index)	15

2. Population

2-1. Total Population	18
2-2. Annual Growth Rate of Population	19
2-3. Population Density	20
2-4. Population in Urban Areas	21
2-5. Population in Rural Areas	22
2-6. Population Distribution by Age Group	23
2-7. Population Estimates	24

3. Social Welfare

3-1. Total Fertility Rate	28
3-2. Aging Index	29
3-3. Average Life Expectancy	30
3-4. School Enrollment	31
3-5. Employment	33
3-6. Unemployment Rate	35

4. Trade

4-1 (1) Trade Volumes of Goods	38
4-1 (2) Trade Volumes of Services	40
4-1 (3) Trade Volumes of Goods and Services	42

4-2.	Current Account Balance (BoP)	44
4-3.	Trade Dependency	45
4-4.	Trade Relations among the Three Countries (China)	46
4-5.	Trade Relations among the Three Countries (Japan)	47
4-6.	Trade Relations among the Three Countries (ROK)	48
4-7.	CJK's Major Trading Partners (2015)	49
4-8.	Top 10 Export Commodities of CJK (2015)	51
4-9.	Top 10 Import Commodities of CJK (2015)	52
4-10.	Bilateral Exports of China	53
4-11.	Bilateral Imports of China	54
4-12.	Bilateral Exports of Japan	55
4-13.	Bilateral Imports of Japan	56
4-14.	Bilateral Exports of ROK	57
4-15.	Bilateral Imports of ROK	58

5. Investment

5-1.	Foreign Direct Investment (FDI) Flows	60
5-2.	Foreign Direct Investment (FDI) Stock	61
5-3.	Cross-border Merger and Acquisition	62
5-4.	Announced Greenfield Investment Project	63
5-5.	Doing Business Index of China (2015-2016)	64
5-6.	Doing Business Index of Japan (2015-2016)	64
5-7.	Doing Business Index of ROK (2015-2016)	65
5-8.	Doing Business Start-up Indicators	65
5-9.	FDI Regulatory Restrictiveness Index	66

6. Finance

6-1.	Official Exchange Rate	68
6-2.	Money Supply (M2)	70
6-3.	Foreign Exchange Reserves	71
6-4.	Real Interest Rate	72
6-5.	Bank Nonperforming Loans	73
6-6.	Size and Composition of Local Currency Bond Markets	74
6-7.	Growth Rates of Stock Market Price Index	76

7. Transport and Communications

7-1. Air Transport	78
7-2. Container Port Traffic	80
7-3. Rail	81
7-4. Logistics Performance Index (LPI)	82
7-5. Telecommunications Penetration Rates	83

8. FTA

8-1. FTA of the Three Countries (Negotiation Concluded)	86
8-2. FTA of the Three Countries (Under Negotiation)	88
8-3. FTA of the Three Countries (Under Discussion)	90

9. Movement of People

9-1. Resources	92
9-2. Electricity Generation Capacity	93
9-3. Renewable Energy Financing	96
9-4. CO2 Emission from Consumption of Energy	98
9-5. CO2 Emission from Energy Consumption Ranking (2012)	99

10. Movement of People

10-1. Tourist Arrivals	102
10-2. Resident Foreign Nationals among the Three Countries	104
10-3. Foreign Students among the Three Countries	105
10-4. International Marriage	106

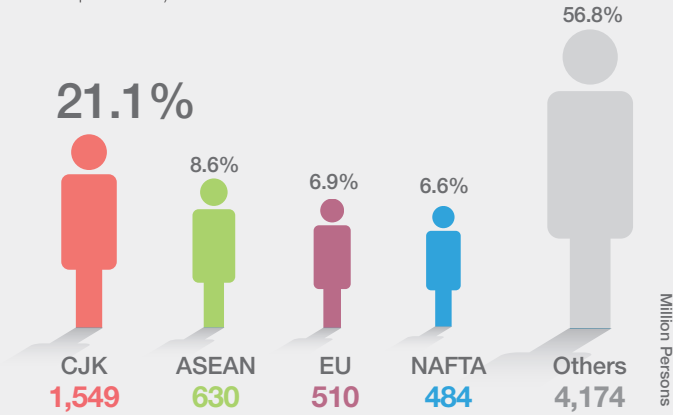
11. Others

11-1. Fortune Global 500 Enterprises	108
11-2. UN Peacekeeping Force	109
11-3. Competitiveness Index (2015)	110
11-4. Number of Intellectual Property Filings	111

Quick Look

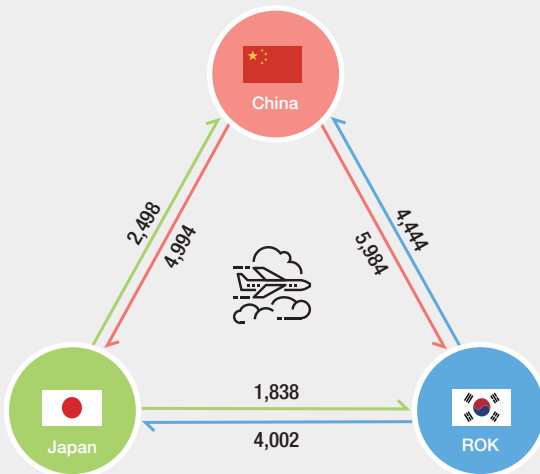
Population (2015)

(% of World Population)



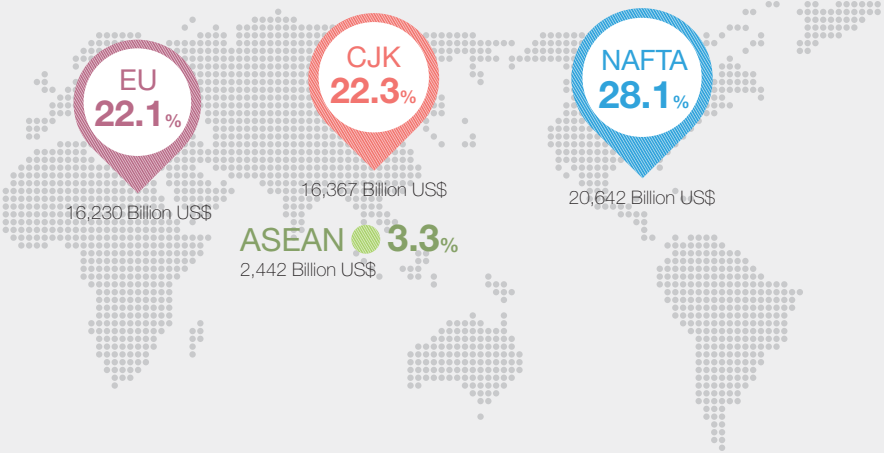
Tourist Arrivals (2015)

(Thousand Persons)



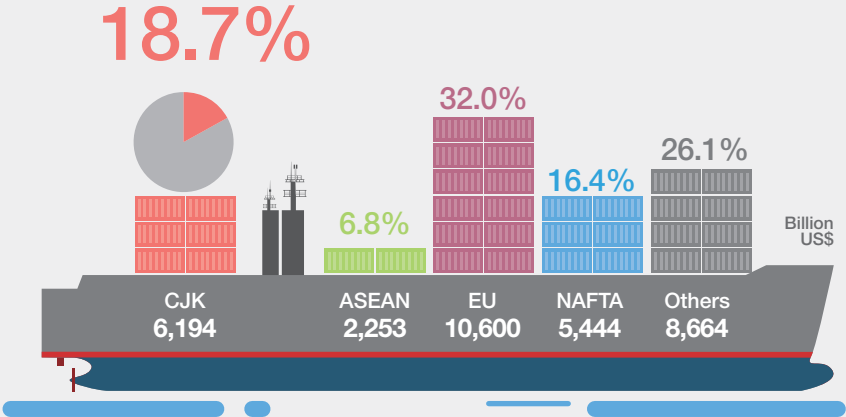
Gross Domestic Product (2015)

(% of World GDP)



Trade Volumes of Goods (2015)

(% of World Trade)





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Basic Indicators



- 1-1.** 2015 at a Glance
- 1-2.** Regional Economies (2015)
- 1-3.** Gross Domestic Product (GDP)
- 1-4.** GDP Growth Rate
- 1-5.** GDP per Capita
- 1-6.** CPI (Consumer Prices Index)

1-1 2015 at a Glance

	China	Japan	ROK	Total*
Land Area	9,388,211	364,560	97,466	9,850,237
Square Km (%)	7.2	0.3	0.1	7.6
Population (Thousand Persons)	1,371,220	126,958	50,617	1,548,796
GDP	10,866	4,123	1,378	16,367
Billion US\$ (%)	14.8	5.6	1.9	22.3
GDP per Capita US\$	7,925	32,477	27,222	-
GDP Growth Rate (%)	6.9	0.5	2.6	-
Inflation Rate (CPI) (%)	1.4	0.8	0.7	-
Unemployment Rate (%)	4.1	3.4	3.6 ¹	-
Exports of Goods	2,275	625	527	3,427
Billion US\$				
Imports of Goods	1,682	648	436	2,767
Billion US\$				
Exports of Goods (%)	13.8	3.8	3.2	20.8
Imports of Goods (%)	10.1	3.9	2.6	16.6
Current Account Balance	330.6	135.6	105.9	572.1
Billion US\$				
Foreign Exchange Reserve	3,345.2	1,207.0	363.1	4,915.3
Billion US\$				
FDI Stocks Inward	1,220,903	170,698	174,573	1,566,174
Million US\$				
FDI Stocks Outward	1,010,202	1,226,554	278,395	2,515,151
Million US\$				
Number of Inbound Travelers	25,985	19,737	13,232	58,954
Thousand Persons				

* Total =China+Japan+ROK

** %=Percentage of World

1. Estimated value

Source

World Bank, International Monetary Fund (IMF), UNCTAD, Chinese National Tourism Administration, Japan National Tourism Organization, Korea Tourism Organization

1-2 Regional Economies (2015)

	Nominal GDP *	Population	Exports of Goods**	Imports of Goods **	
	Billion US\$ (%)	Million persons (%)	Billion US\$	Billion US\$	% of World Trade in Goods
China+Japan+ROK	16,367 (22.3)	1,549 (21.1)	3,427	2,767	18.7
ASEAN	2,442 (3.3)	630 (8.6)	1,163	1,091	6.8
ASEAN+3	18,810 (25.6)	2,179 (29.7)	4,589	3,858	25.5
APEC	42,645 (58.1)	2,817 (38.3)	8,325	8,314	50.2
BRICS¹	16,354 (22.3)	3,089 (42.0)	3,155	2,551	17.2
EU28	16,230 (22.1)	510 (6.9)	5,387	5,213	31.9
GCC²	1,398 (1.9)	53 (0.7)	650	531	3.6
MERCOSUR³	2,775 (2.5)	292 (4.0)	301	291	1.8
NAFTA	20,642 (28.1)	484 (6.6)	2,294	3,150	16.4
World	73,434	7,347	16,484	16,671	100

* GDP of Papua New Guinea and Argentina are 2014 data, and GDP of Malta and Venezuela are 2013 data.

1. BRICS: Brazil, Russia, India, China, South Africa

2. GCC(Gulf Cooperation Council): Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates

3. MERCOSUR(Southern Common Market): Argentina, Brazil, Paraguay, Uruguay, Venezuela

Source

World Bank, UNCTAD

1-3 Gross Domestic Product (GDP)

Unit: Billion US \$ (% of World GDP)

	World	China	Japan	ROK
1999	32,283	1,089 (3.8)	4,433 (13.7)	486 (1.5)
2005	47,143	2,269 (4.8)	4,572 (9.7)	898 (1.9)
2006	51,075	2,730 (5.4)	4,357 (8.6)	1,012 (2.0)
2007	57,583	3,523 (6.1)	4,356 (7.6)	1,123 (2.0)
2008	63,129	4,558 (7.2)	4,849 (7.7)	1,002 (1.6)
2009	59,836	5,059 (8.5)	5,035 (8.4)	902 (1.5)
2010	65,648	6,040 (9.2)	5,499 (8.4)	1,095 (1.7)
2011	72,843	7,492 (10.3)	5,909 (8.1)	1,202 (1.7)
2012	74,428	8,462 (11.4)	5,957 (8.0)	1,223 (1.6)
2013	76,431	9,491 (12.5)	4,909 (6.4)	1,306 (1.7)
2014	78,106	10,351 (13.3)	4,596 (5.9)	1,411 (1.8)
2015	73,434	10,866 (14.8)	4,123 (5.6)	1,378 (1.9)

*At current prices

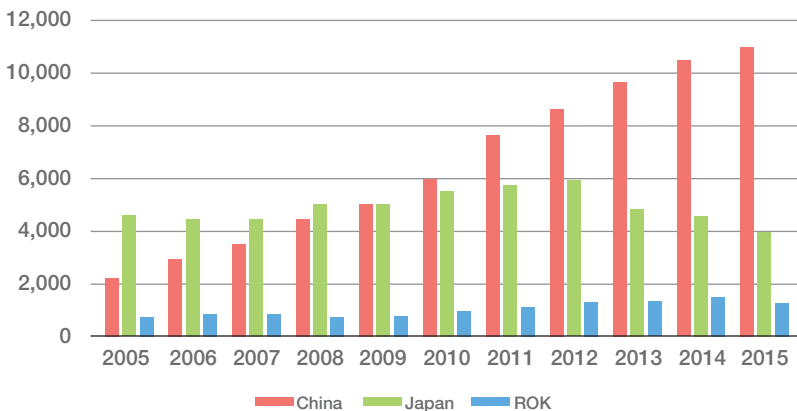
** GDP at purchaser's prices is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in current U.S. dollars. Dollar figures for GDP are converted from domestic currencies using single year official exchange rates.

Source

World Bank

Gross Domestic Product (GDP)

Billion US\$

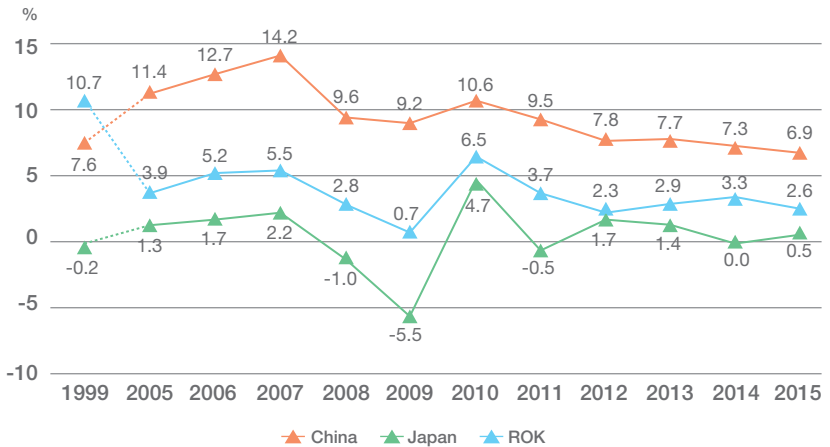


1-4 GDP Growth Rate

Unit: %

	China	Japan	ROK
1999	7.6	-0.2	10.7
2005	11.4	1.3	3.9
2006	12.7	1.7	5.2
2007	14.2	2.2	5.5
2008	9.6	-1.0	2.8
2009	9.2	-5.5	0.7
2010	10.6	4.7	6.5
2011	9.5	-0.5	3.7
2012	7.8	1.7	2.3
2013	7.7	1.4	2.9
2014	7.3	0.0	3.3
2015	6.9	0.5	2.6
Source	World Bank		

GDP Growth Rate



1-5 GDP per Capita

Unit: US \$

	World Average	China	Japan	ROK
1999	5,349	870	35,004	10,432
2005	7,237	1,740	35,781	18,658
2006	7,745	2,082	34,076	20,917
2007	8,626	2,673	34,034	23,102
2008	9,341	3,441	37,866	20,475
2009	8,747	3,800	39,323	18,339
2010	9,482	4,515	42,935	22,151
2011	10,396	5,574	46,230	24,156
2012	10,498	6,265	46,701	24,454
2013	10,651	6,992	38,550	25,998
2014	10,757	7,587	36,153	27,989
2015	9,996	7,925	32,477	27,222

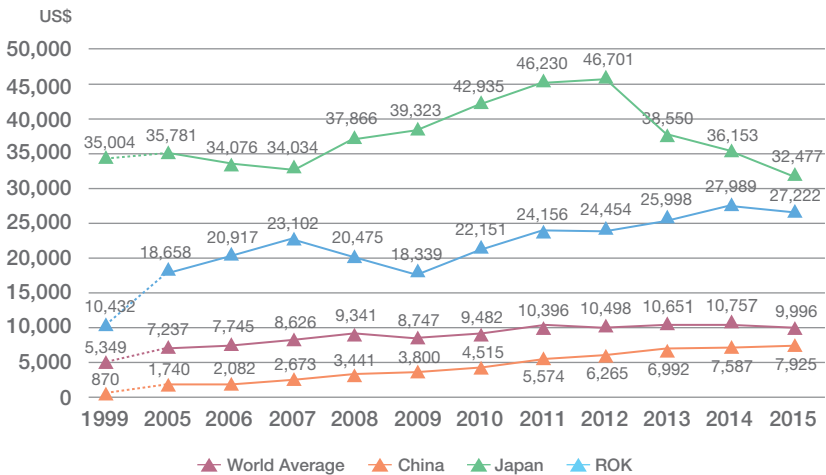
* At current prices

** GDP per capita is gross domestic product divided by midyear population.

Source

World Bank

GDP per Capita

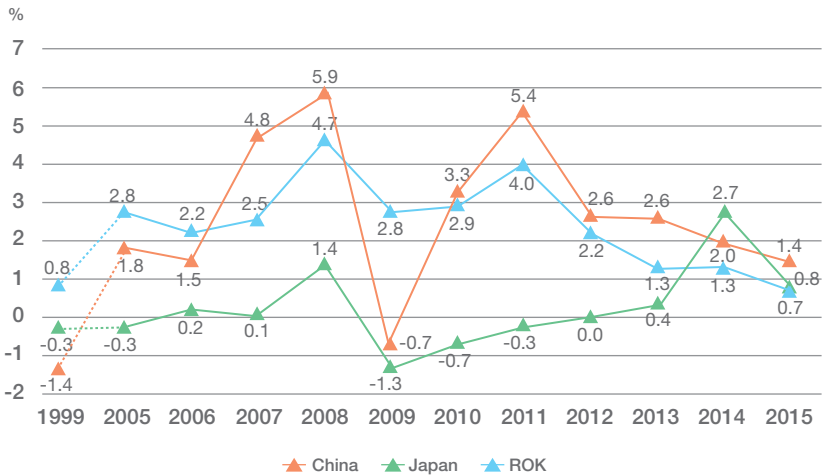


1-6 CPI (Consumer Prices Index)

Unit: %

	China	Japan	ROK
1999	-1.4	-0.3	0.8
2005	1.8	-0.3	2.8
2006	1.5	0.2	2.2
2007	4.8	0.1	2.5
2008	5.9	1.4	4.7
2009	-0.7	-1.3	2.8
2010	3.3	-0.7	2.9
2011	5.4	-0.3	4.0
2012	2.6	0.0	2.2
2013	2.6	0.4	1.3
2014	2.0	2.7	1.3
2015	1.4	0.8	0.7
Source	International Monetary Fund (IMF)		

Consumer Prices Index





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Population



- 2-1.** Total Population
- 2-2.** Annual Growth Rate of Population
- 2-3** Population Density
- 2-4.** Population in Urban Areas
- 2-5.** Population in Rural Areas
- 2-6.** Population Distribution by Age Group
- 2-7.** Population Estimates

2-1 Total Population

Unit: Thousand Persons, % of World Population

	World	China		Japan		ROK		Others	
1999	6,034,912	1,252,735	20.76	126,631	2.10	46,617	0.77	4,608,929	76.37
2005	6,513,960	1,303,720	20.01	127,773	1.96	48,138	0.74	5,034,329	77.29
2006	6,594,722	1,311,020	19.88	127,854	1.94	48,372	0.73	5,107,477	77.45
2007	6,675,833	1,317,885	19.74	128,001	1.92	48,598	0.73	5,181,349	77.61
2008	6,758,303	1,324,655	19.60	128,063	1.89	48,949	0.72	5,256,636	77.78
2009	6,840,956	1,331,260	19.46	128,047	1.87	49,182	0.72	5,332,467	77.95
2010	6,923,684	1,337,705	19.32	128,070	1.85	49,410	0.71	5,408,499	78.12
2011	7,006,908	1,344,130	19.18	127,817	1.82	49,779	0.71	5,485,181	78.28
2012	7,089,452	1,350,695	19.05	127,561	1.80	50,004	0.71	5,561,191	78.44
2013	7,176,092	1,357,380	18.92	127,339	1.77	50,220	0.70	5,641,154	78.61
2014	7,260,780	1,364,270	18.79	127,132	1.75	50,424	0.69	5,718,955	78.77
2015	7,346,633	1,371,220	18.66	126,958	1.73	50,617	0.69	5,797,838	78.92

* Others=World-(China+Japan+ROK)

Source

World Bank

Total Population and Growth Rate



2-2 Annual Growth Rate of Population

Unit: %

	China	Japan	ROK
1999	0.87	0.18	0.71
2005	0.59	0.01	0.21
2006	0.56	0.06	0.48
2007	0.52	0.11	0.47
2008	0.51	0.05	0.72
2009	0.50	-0.01	0.48
2010	0.48	0.02	0.46
2011	0.48	-0.20	0.74
2012	0.49	-0.20	0.45
2013	0.49	-0.17	0.43
2014	0.51	-0.16	0.41
2015	0.51	-0.14	0.38

* Annual population growth rate for year t is the exponential rate of growth of midyear population from year t-1 to t, expressed as a percentage.

Source

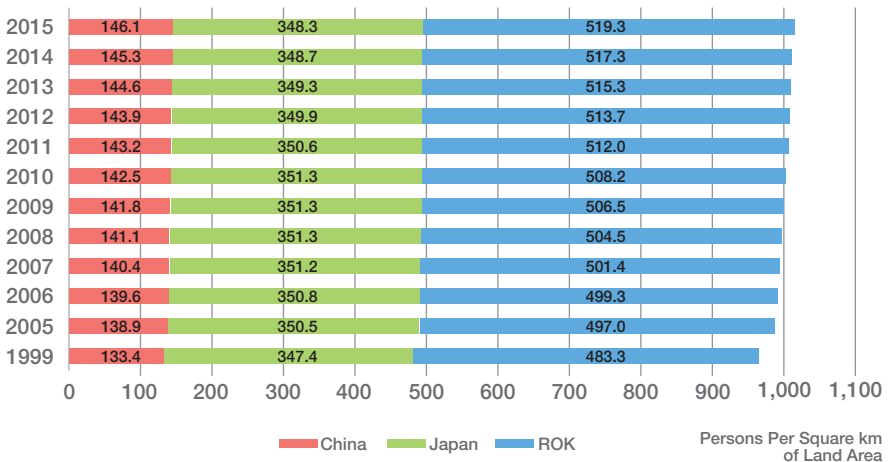
World Bank

2-3 Population Density

Unit: People Per Square km of Land Area

	China	Japan	ROK
1999	133.4	347.4	483.3
2005	138.9	350.5	497.0
2006	139.6	350.8	499.3
2007	140.4	351.2	501.4
2008	141.1	351.3	504.5
2009	141.8	351.3	506.5
2010	142.5	351.3	508.2
2011	143.2	350.6	512.0
2012	143.9	349.9	513.7
2013	144.6	349.3	515.3
2014	145.3	348.7	517.3
2015	146.1	348.3	519.3
Source	World Bank		

Population Density



2-4 Population in Urban Areas

Unit: Thousand Persons

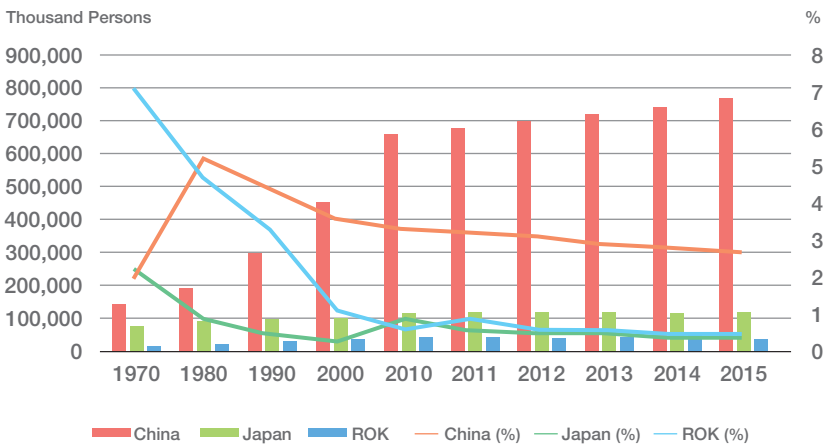
	China		Japan		ROK	
	Number (% of Total Population)	Growth Rate	Number (% of Total Population)	Growth Rate	Number (% of Total Population)	Growth Rate
1970	142,387 (17.4)	2.0	75,000 (71.9)	2.2	13,123 (40.7)	7.1
1980	189,947 (19.4)	5.2	88,959 (76.2)	0.9	21,624 (56.7)	4.7
1990	300,166 (26.4)	4.3	95,542 (77.3)	0.5	31,656 (73.8)	3.3
2000	452,999 (35.9)	3.6	99,761 (78.6)	0.3	37,428 (79.6)	1.1
2010	658,499 (49.2)	3.3	115,932 (90.5)	0.9	40,485 (81.9)	0.6
2011	679,767 (50.6)	3.2	116,631 (91.2)	0.6	40,838 (82.0)	0.9
2012	700,862 (51.9)	3.1	117,232 (91.9)	0.5	41,074 (82.1)	0.6
2013	721,692 (53.2)	2.9	117,777 (92.5)	0.5	41,305 (82.2)	0.6
2014	742,299 (54.4)	2.8	118,259 (93.0)	0.4	41,529 (82.4)	0.5
2015	762,590 (55.6)	2.7	118,704 (93.5)	0.4	41,746 (82.5)	0.5

* Urban population refers to people living in urban areas as defined by national statistical offices. It is calculated using World Bank population estimates and urban ratios from the United Nations World Urbanization Prospects.

Source

World Bank

Urban Population and Growth Rate



2-5 Population in Rural Areas

Unit: Thousand Persons

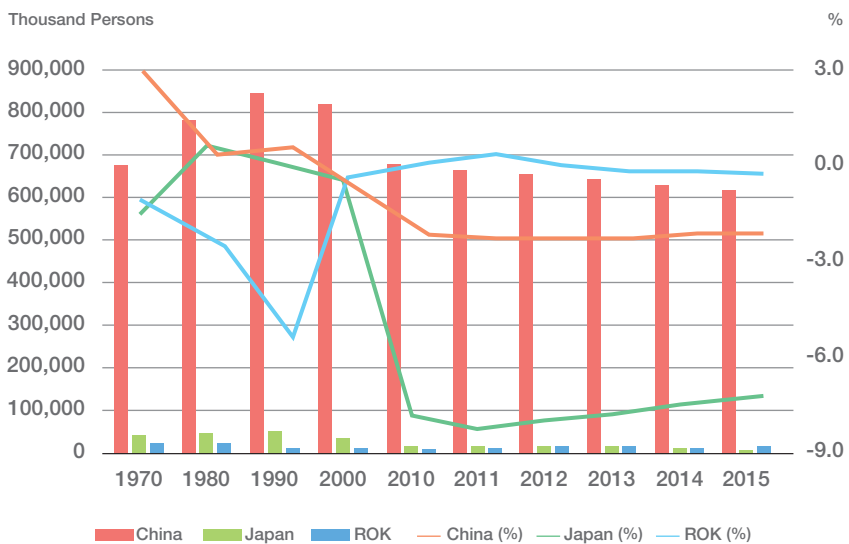
	China		Japan		ROK	
	Number (% of Total Population)	Growth Rate	Number (% of Total Population)	Growth Rate	Number (% of Total Population)	Growth Rate
1970	675,928 (82.6)	2.9	29,345 (28.1)	-1.6	19,118 (59.3)	-1.0
1980	791,288 (80.6)	0.3	27,823 (23.8)	0.5	16,500 (43.3)	-2.4
1990	835,019 (73.6)	0.5	27,995 (22.7)	-0.2	11,213 (26.2)	-5.3
2000	809,646 (64.1)	-0.8	27,082 (21.4)	-0.4	9,580 (20.4)	-0.3
2010	679,206 (50.8)	-2.1	12,138 (9.5)	-7.9	8,925 (18.1)	-0.1
2011	664,363 (49.4)	-2.2	11,187 (8.8)	-8.2	8,942 (18.0)	0.2
2012	649,833 (48.1)	-2.2	10,330 (8.1)	-8.0	8,930 (17.9)	-0.1
2013	635,688 (46.8)	-2.2	9,562 (7.5)	-7.7	8,914 (17.8)	-0.2
2014	621,971 (45.6)	-2.2	8,873 (7.0)	-7.5	8,895 (17.6)	-0.2
2015	608,630 (44.4)	-2.2	8,255 (6.5)	-7.2	8,871 (17.5)	-0.3

* Rural population refers to people living in rural areas as defined by national statistical offices. It is calculated as the difference between total population and urban population.

Source

World Bank

Rural Population and Growth Rate



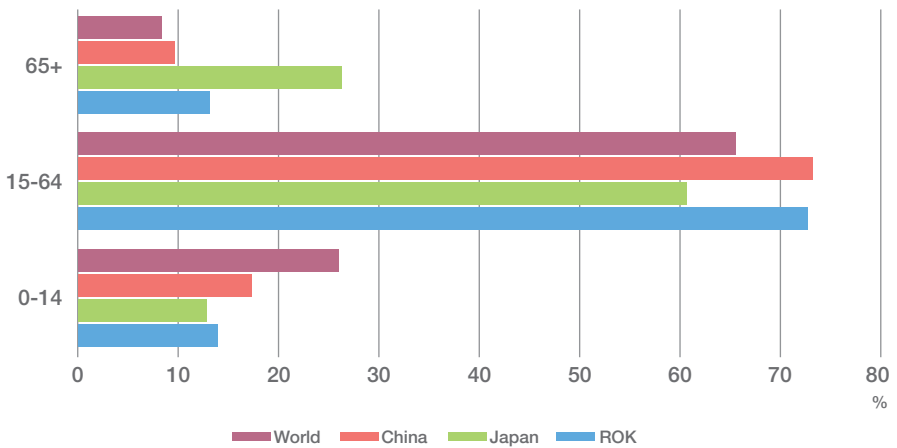
2-6 Population Distribution by Age Group

Unit: %

Age Group	World			China			Japan			ROK		
	0-14	15-64	65+	0-14	15-64	65+	0-14	15-64	65+	0-14	15-64	65+
1999	30.61	62.64	6.76	25.84	67.66	6.49	14.86	68.52	16.62	21.25	71.74	7.01
2005	28.08	64.65	7.28	20.09	72.42	7.49	13.80	66.35	19.85	18.54	72.26	9.19
2006	27.76	64.89	7.35	19.40	72.97	7.63	13.68	65.93	20.39	18.22	72.21	9.57
2007	27.46	65.13	7.41	18.74	73.49	7.77	13.58	65.46	20.96	17.89	72.16	9.95
2008	27.18	65.34	7.48	18.17	73.92	7.91	13.49	64.95	21.56	17.46	72.22	10.33
2009	26.94	65.52	7.55	17.72	74.21	8.07	13.40	64.39	22.22	16.89	72.41	10.71
2010	26.73	65.64	7.63	17.41	74.34	8.25	13.29	63.77	22.94	16.24	72.67	11.09
2011	26.57	65.70	7.73	17.20	74.35	8.45	13.22	63.19	23.59	15.77	72.77	11.45
2012	26.44	65.72	7.84	17.13	74.22	8.65	13.13	62.58	24.29	15.25	72.92	11.84
2013	26.33	65.71	7.96	17.15	73.96	8.89	13.03	61.96	25.01	14.74	73.02	12.25
2014	26.22	65.67	8.10	17.20	73.61	9.18	12.94	61.36	25.71	14.31	73.01	12.68
2015	26.11	65.62	8.27	17.23	73.22	9.55	12.86	60.80	26.34	13.99	72.88	13.13

Source: World Bank

Population Distribution by Age Group (2015)



2-7 Population Estimates

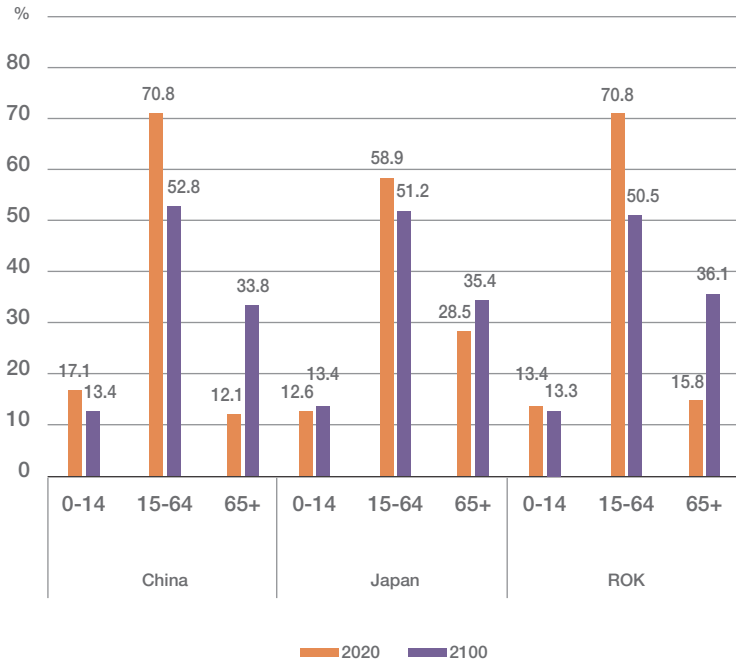
Unit: Thousand persons

Future Total Population			
	China	Japan	ROK
2020	1,402,848	125,039	51,251
2030	1,415,545	120,127	52,519
2040	1,394,715	113,788	52,398
2050	1,348,056	107,411	50,593
2060	1,276,757	101,440	47,926
2070	1,197,533	95,135	45,101
2080	1,122,569	89,871	42,359
2090	1,055,073	86,108	40,101
2100	1,004,392	83,175	38,504

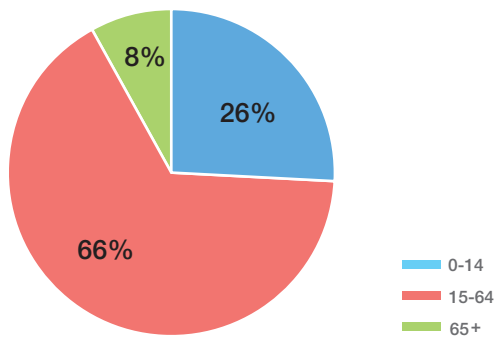
Future Population Distribution by Age Group									
	China			Japan			ROK		
	0-14	15-64	65+	0-14	15-64	65+	0-14	15-64	65+
2020	17.1	70.8	12.1	12.6	58.9	28.5	13.4	70.8	15.8
2030	14.8	68.0	17.2	12.2	57.3	30.4	13.2	63.1	23.7
2040	13.3	62.1	24.6	12.2	53.6	34.2	12.5	56.6	30.8
2050	13.5	58.9	27.6	12.4	51.3	36.3	11.4	53.4	35.1
2060	13.2	53.9	32.9	12.6	50.7	36.7	12.1	50.8	37.1
2070	12.9	54.5	32.6	13.0	51.1	36.0	12.8	49.9	37.3
2080	13.4	53.3	33.3	13.3	51.4	35.3	12.6	51.4	36.0
2090	13.6	52.6	33.8	13.4	51.3	35.2	12.7	51.7	35.6
2100	13.4	52.8	33.8	13.4	51.2	35.4	13.3	50.5	36.1

Source: World Population Prospects: The 2015 Revision, UN Department of Economic and Social Affairs Population Division

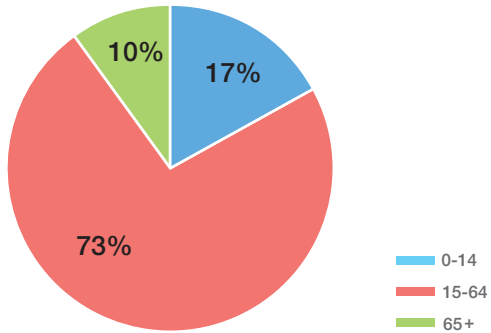
Future Population Distribution by Age Group



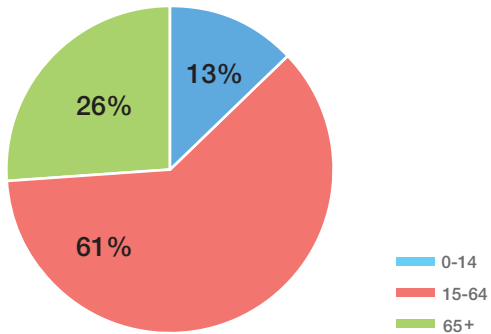
World's Population Distribution (2015)



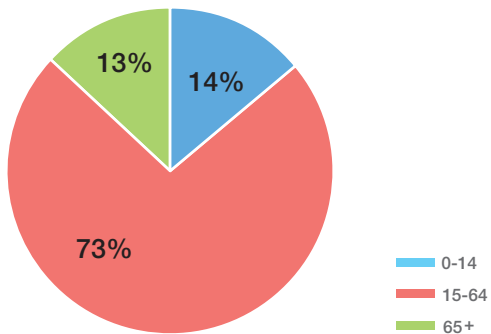
China's Population Distribution (2015)



Japan's Population Distribution (2015)



ROK's Population Distribution (2015)



Social Welfare

3

- 3-1.** Total Fertility Rate
- 3-2.** Aging Index
- 3-3.** Average Life Expectancy
- 3-4.** School Enrollment
- 3-5.** Employment
- 3-6.** Unemployment Rate

3-1 Total Fertility Rate

Unit: Birth per Woman

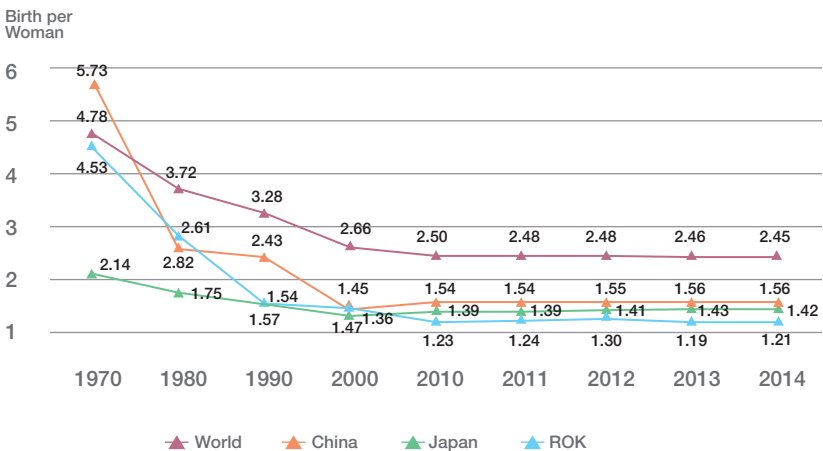
	World	China	Japan	ROK
1970	4.78	5.73	2.14	4.53
1980	3.72	2.61	1.75	2.82
1990	3.28	2.43	1.54	1.57
2000	2.66	1.45	1.36	1.47
2010	2.50	1.54	1.39	1.23
2011	2.48	1.54	1.39	1.24
2012	2.48	1.55	1.41	1.30
2013	2.46	1.56	1.43	1.19
2014	2.45	1.56	1.42	1.21

* Total fertility rate represents the number of children that would be born to a woman if she were to live to the end of her childbearing years and bear children in accordance with current age-specific fertility rates.

Source

World Bank

Total Fertility Rate



3-2 Aging Index

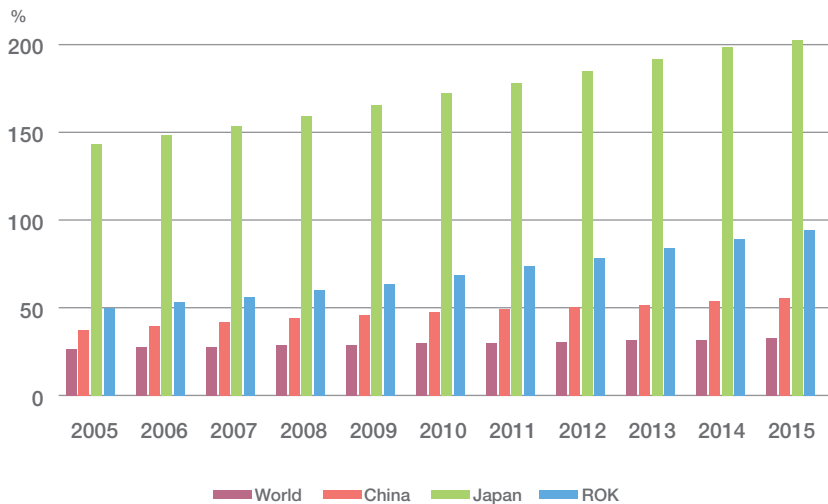
Unit: %

	World	China	Japan	ROK
2005	25.9	37.3	143.8	49.6
2006	26.5	39.3	149.1	52.5
2007	27.0	41.5	154.3	55.6
2008	27.5	43.6	159.8	59.2
2009	28.0	45.5	165.8	63.4
2010	28.5	47.4	172.6	68.3
2011	29.1	49.1	178.4	72.6
2012	29.6	50.5	185.0	77.6
2013	30.2	51.8	191.9	83.1
2014	30.9	53.4	198.7	88.6
2015	31.7	55.4	204.9	93.8

* Aging Index = (65 and above/0-14 Age)*100

Source	World Bank
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Aging Index



3-3 Average Life Expectancy

Unit: Age

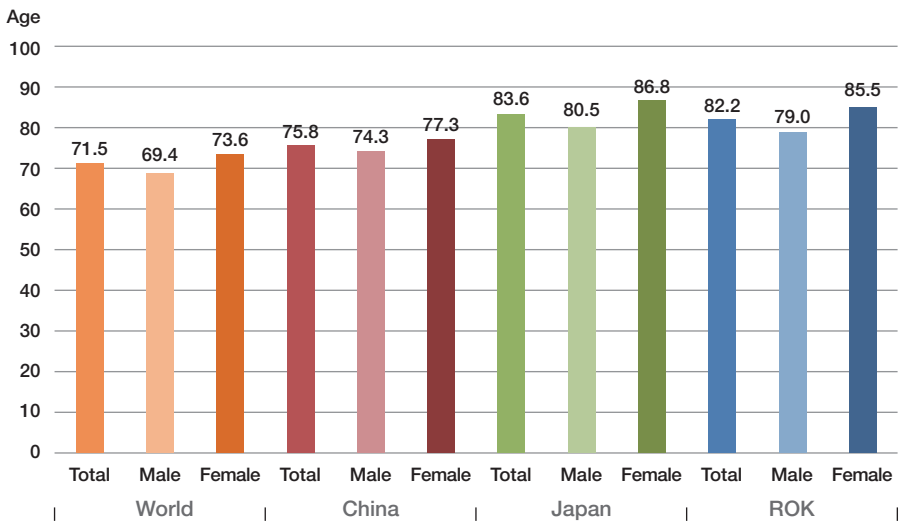
	World			China			Japan			ROK		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1999	67.3	65.2	69.5	71.3	69.6	73.1	80.6	77.4	83.9	75.4	71.7	79.2
2005	69.0	67.0	71.2	73.8	72.3	75.3	81.9	78.5	85.5	78.4	75.1	81.9
2006	69.3	67.3	71.5	74.1	72.6	75.7	82.3	79.0	85.8	79.0	75.7	82.4
2007	69.6	67.6	71.7	74.3	72.8	75.9	82.5	79.2	86.0	79.3	76.1	82.7
2008	69.9	67.8	72.0	74.6	73.1	76.2	82.6	79.3	86.1	79.8	76.5	83.3
2009	70.2	68.2	72.4	74.8	73.3	76.4	82.9	79.6	86.4	80.3	77.0	83.8
2010	70.5	68.4	72.6	75.0	73.5	76.6	82.8	79.6	86.3	80.6	77.2	84.1
2011	70.8	68.7	72.9	75.2	73.7	76.8	82.6	79.4	85.9	81.0	77.7	84.5
2012	71.0	69.0	73.1	75.4	73.9	77.0	83.1	80.0	86.4	81.2	78.0	84.6
2013	71.2	69.2	73.4	75.6	74.1	77.2	83.3	80.2	86.6	81.7	78.5	85.1
2014	71.5	69.4	73.6	75.8	74.3	77.3	83.6	80.5	86.8	82.2	79.0	85.5

* Life expectancy at birth indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life.

Source

World Bank

Average Life Expectancy (2014)



3-4 School Enrollment

Unit: % Gross

China				
	Pre-primary	Primary	Secondary	Tertiary
2008	80	113	77	21
2009	82	114	81	23
2010	86	112	85	24
2011	96	111	89	25
2012	110	110	92	27
2013	117	109	96	30
2014	n/a	n/a	n/a	n/a
Japan				
	Pre-primary	Primary	Secondary	Tertiary
2008	90	101	101	58
2009	90	102	101	58
2010	88	102	102	58
2011	87	103	102	60
2012	88	102	102	61
2013	90	102	102	62
2014	n/a	n/a	n/a	n/a
ROK				
	Pre-primary	Primary	Secondary	Tertiary
2008	n/a	103	99	95
2009	n/a	101	98	98
2010	n/a	102	96	100
2011	n/a	103	95	100
2012	n/a	n/a	n/a	n/a
2013	n/a	105	99	97
2014	92	99	98	95

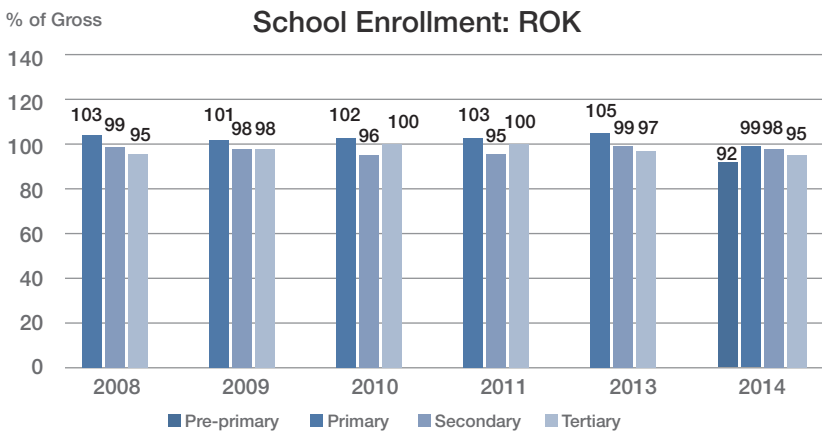
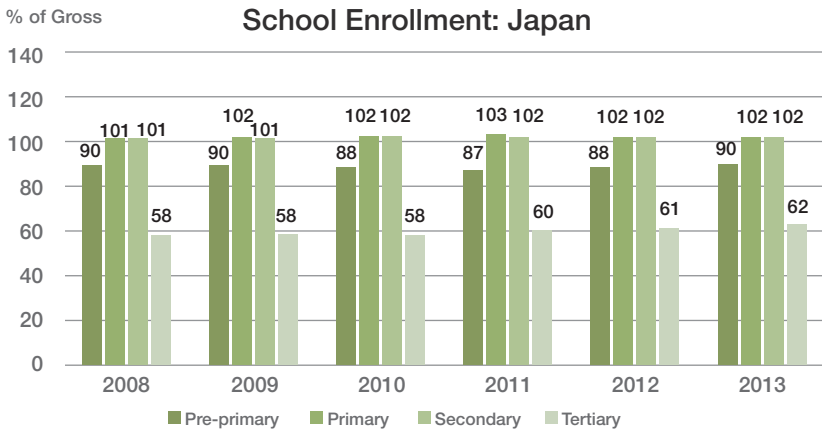
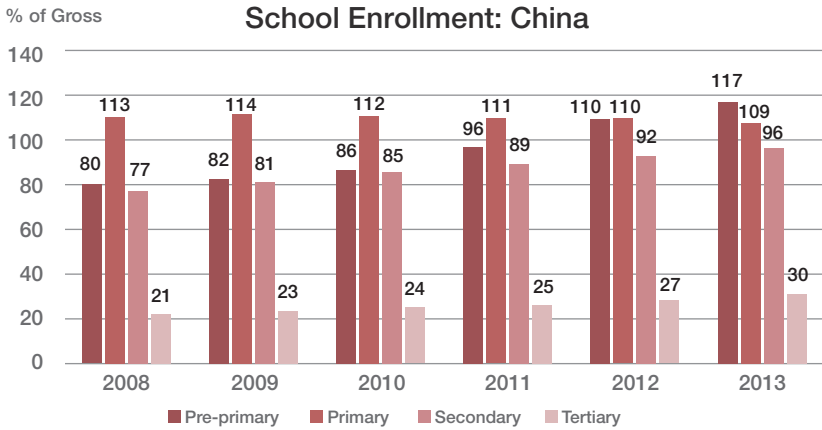
* Gross enrollment ratio is the ratio of total enrollment, regardless of age, to the population of the age group that officially corresponds to the level of education shown.

**Preprimary education refers to the initial stage of organized instruction, designed primarily to introduce very young children to a school-type environment.

*** Primary education provides children with basic reading, writing, and mathematics skills along with an elementary understanding of such subjects as history, geography, natural science, social science, art, and music.

Source

World Bank



3-5 Employment

Unit: Thousand Persons

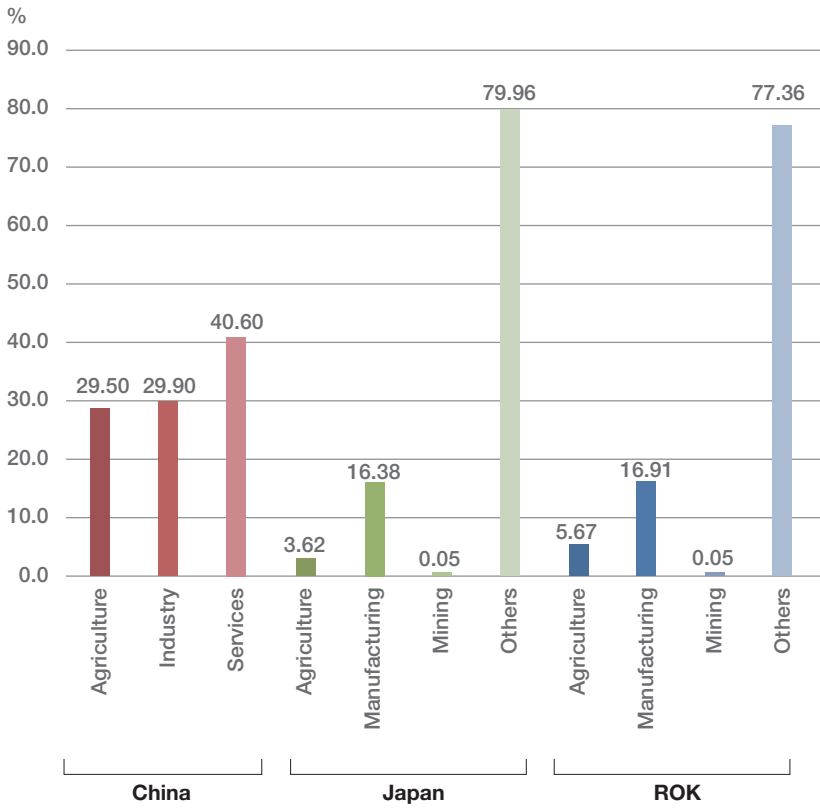
Total Employment			
	China	Japan	ROK
1999	713,940	64,620	20,291
2005	746,470	63,560	22,856
2006	749,780	63,890	23,151
2007	753,210	64,270	23,433
2008	755,640	64,090	23,577
2009	758,280	63,140	23,506
2010	761,049	62,980	23,829
2011	764,200	62,890	24,245
2012	767,040	62,700	24,681
2013	769,770	63,110	25,067
2014	772,530	63,510	25,600

Employment in Sectors											
	China			Japan				ROK			
	Agriculture	Industry	Services	Agriculture	Manufacturing	Mining	Others	Agriculture	Manufacturing	Mining	Others
1999	50.10	23.00	26.90	5.18	20.81	0.09	73.91	11.34	19.85	0.09	68.72
2005	44.80	23.80	31.40	4.44	17.97	0.05	77.55	7.93	18.07	0.07	73.92
2006	42.60	25.20	32.20	4.26	18.20	0.05	77.49	7.69	17.52	0.07	74.71
2007	40.80	26.80	32.40	4.25	18.20	0.06	77.49	7.35	17.13	0.07	75.44
2008	39.60	27.20	33.20	4.21	17.96	0.05	77.78	7.15	16.81	0.10	75.94
2009	38.10	27.80	34.10	4.18	17.14	0.05	78.63	7.01	16.32	0.10	76.57
2010	36.70	28.70	34.60	4.05	16.83	0.05	79.07	6.57	16.90	0.09	76.44
2011	34.80	29.50	35.70	3.96	16.68	0.05	79.31	6.36	16.87	0.07	76.70
2012	33.60	30.30	36.10	3.83	16.46	0.05	79.67	6.19	16.63	0.06	77.12
2013	31.40	30.10	38.50	3.69	16.46	0.05	79.80	6.06	16.69	0.06	77.18
2014	29.50	29.90	40.60	3.62	16.38	0.05	79.96	5.67	16.91	0.05	77.36

Source

Key Indicators for Asia and the Pacific, Asian Development Bank (ADB)

Employment in Sectors (2014)



3-6 Unemployment Rate

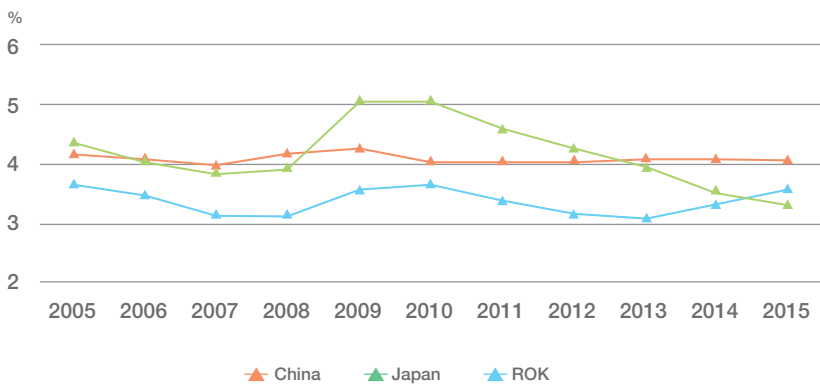
Unit: %

	China	Japan	ROK
2005	4.2	4.4	3.7
2006	4.1	4.1	3.5
2007	4.0	3.9	3.2
2008	4.2	4.0	3.2
2009	4.3	5.1	3.6
2010	4.1	5.1	3.7
2011	4.1	4.6	3.4
2012	4.1	4.3	3.2
2013	4.1	4.0	3.1
2014	4.1	3.6	3.5
2015	4.1	3.4	3.6*

* Estimated value

Source	International Monetary Fund (IMF)
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Unemployment Rate





Trilateral
Cooperation
Secretariat

Trade

4

- 4-1** (1) Trade Volumes of Goods
- 4-1** (2) Trade Volumes of Services
- 4-1** (3) Trade Volumes of Goods and Services
- 4-2.** Current Account Balance (BoP)
- 4-3.** Trade Dependency
- 4-4.** Trade Relations among the Three Countries (China)
- 4-5.** Trade Relations among the Three Countries (Japan)
- 4-6.** Trade Relations among the Three Countries (ROK)
- 4-7.** CJK's Major Trading Partners (2015)
- 4-8.** Top 10 Export Commodities of CJK (2015)
- 4-9.** Top 10 Import Commodities of CJK (2015)
- 4-10.** Bilateral Exports of China
- 4-11.** Bilateral Imports of China
- 4-12.** Bilateral Exports of Japan
- 4-13.** Bilateral Imports of Japan
- 4-14.** Bilateral Exports of ROK
- 4-15.** Bilateral Imports of ROK

4-1 (1) Trade Volumes of Goods

Unit: Million US\$

	World		ASEAN	
	Export	Import	Export	Import
1999	5,722,820	5,857,728	362,278	310,188
2005	10,502,488	10,777,642	656,574	602,730
2010	15,302,138	15,420,513	1,050,050	953,113
2011	18,338,967	18,415,633	1,239,469	1,154,260
2012	18,497,485	18,625,032	1,253,683	1,223,230
2013	18,949,351	18,927,156	1,272,560	1,245,222
2014	18,996,581	19,007,144	1,295,168	1,235,601
2015	16,483,921	16,671,238	1,162,637	1,090,843

	China		Japan		ROK	
	Export	Import	Export	Import	Export	Import
1999	194,931	165,788	419,354	309,995	143,685	119,752
2005	761,953	659,953	594,941	515,866	284,419	261,238
2010	1,577,754	1,396,247	769,774	694,059	466,384	425,212
2011	1,898,381	1,743,484	823,184	855,380	555,214	524,413
2012	2,048,714	1,818,405	798,568	885,843	547,870	519,585
2013	2,209,005	1,949,990	715,097	833,166	559,632	515,584
2014	2,342,293	1,959,233	690,217	812,185	572,664	525,514
2015	2,274,949	1,681,951	624,939	648,494	526,755	436,499

Unit: %

	% of World						% of ASEAN + 3					
	China		Japan		ROK		China		Japan		ROK	
	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import
1999	3.4	2.8	7.3	5.3	2.5	2.0	17.4	18.3	37.4	34.2	12.8	13.2
2005	7.3	6.1	5.7	4.8	2.7	2.4	33.2	32.4	25.9	25.3	12.4	12.8
2010	10.3	9.1	5.0	4.5	3.0	2.8	40.8	40.3	19.9	20.0	12.1	12.3
2011	10.4	9.5	4.5	4.6	3.0	2.8	42.0	40.8	18.2	20.0	12.3	12.3
2012	11.1	9.8	4.3	4.8	3.0	2.8	44.1	40.9	17.2	19.9	11.8	11.7
2013	11.7	10.3	3.8	4.4	3.0	2.7	46.4	42.9	15.0	18.3	11.8	11.3
2014	12.3	10.3	3.6	4.3	3.0	2.8	47.8	43.2	14.1	17.9	11.7	11.6
2015	13.8	10.1	3.8	3.9	3.2	2.6	49.6	43.6	13.6	16.8	11.5	11.3

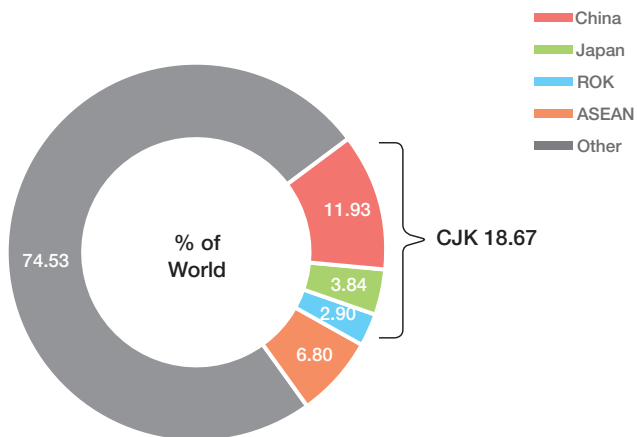
* ASEAN: Brunei, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thai, Vietnam (Indonesia's data is not included since 2005.)

** ASEAN + 3 include members of ASEAN and China, Japan, ROK.

Source

United Nations Conference on Trade and Development (UNCTAD)

Trade Volumes of Goods (2015)



4-1

(2) Trade Volumes of Services

Unit: Million US\$

	World		ASEAN	
	Export	Import	Export	Import
1999	1,435,550	1,430,800	64,600	75,680
2005	2,655,860	2,586,180	114,190	140,320
2010	3,913,490	3,817,100	215,330	230,580
2011	4,427,400	4,285,790	253,340	269,110
2012	4,546,670	4,437,300	277,190	293,070
2013	4,824,830	4,701,100	305,490	319,010
2014	5,139,260	5,044,210	317,390	330,190
2015	4,826,030	4,729,460	306,240	311,490

	China		Japan		ROK	
	Export	Import	Export	Import	Export	Import
1999	26,248	31,589	60,886	112,800	27,143	27,302
2005	78,469	83,971	102,029	139,030	50,730	59,861
2010	154,560	182,971	134,413	164,703	83,260	97,499
2011	201,047	247,844	140,827	175,659	90,900	103,179
2012	201,576	281,300	136,939	184,702	103,533	108,747
2013	207,006	330,608	135,227	170,870	103,739	110,238
2014	280,477	452,832	163,075	192,146	112,106	115,784
2015	286,540	468,896	162,173	175,641	97,877	113,585

Unit: %

	% of World						% of ASEAN + 3					
	China		Japan		ROK		China		Japan		ROK	
	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import
1999	1.8	2.2	4.2	7.9	1.9	1.9	14.7	12.8	34.0	45.6	15.2	11.0
2005	3.0	3.2	3.8	5.4	1.9	2.3	22.7	19.8	29.5	32.9	14.7	14.1
2010	3.9	4.8	3.4	4.3	2.1	2.6	26.3	27.1	22.9	24.4	14.2	14.4
2011	4.5	5.8	3.2	4.1	2.1	2.4	29.3	31.1	20.5	22.1	13.2	13.0
2012	4.4	6.3	3.0	4.2	2.3	2.5	28.0	32.4	19.0	21.3	14.4	12.5
2013	4.3	7.0	2.8	3.6	2.2	2.3	27.5	35.5	18.0	18.4	13.8	11.8
2014	5.5	9.0	3.2	3.8	2.2	2.3	32.1	41.5	18.7	17.6	12.8	10.6
2015	5.9	9.9	3.4	3.7	2.0	2.4	33.6	43.8	19.0	16.4	11.5	10.6

* ASEAN: Brunei, Cambodia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thai, Vietnam (Indonesia's data is not included. Myanmar's 2015 data is not included.)

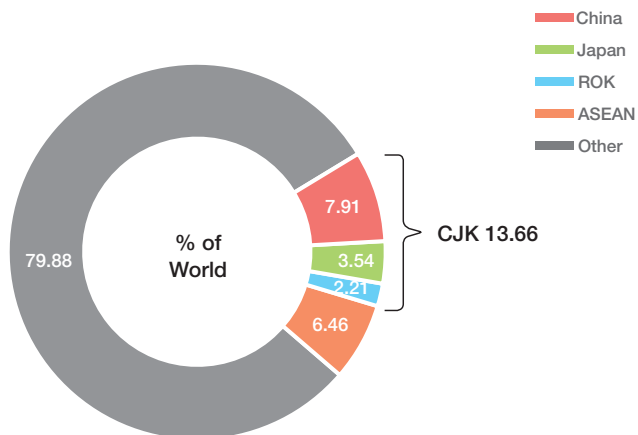
** ASEAN + 3 include members of ASEAN and China, Japan, ROK.

*** 1999 data of Trade in Services is based on BPM5, otherwise BPM6.

Source

United Nations Conference on Trade and Development (UNCTAD)

Trade Volumes of Services (2015)



4-1 (3) Trade Volumes of Goods and Services

Unit: Million US\$

	World		ASEAN	
	Export	Import	Export	Import
1999	7,126,179	7,099,378	434,922	380,086
2005	12,823,928	12,641,136	759,298	692,823
2010	18,831,672	18,383,563	1,245,321	1,112,815
2011	22,392,669	21,833,350	1,474,969	1,334,468
2012	22,693,641	22,113,342	1,526,556	1,422,953
2013	23,374,919	22,664,367	1,559,225	1,459,806
2014	23,769,279	23,124,916	1,593,060	1,465,682
2015	20,951,483	20,559,230	1,449,389	1,316,420

	China		Japan		ROK	
	Export	Import	Export	Import	Export	Import
1999	220,964	190,323	462,923	393,875	172,001	144,266
2005	773,339	648,712	673,456	603,406	335,984	312,802
2010	1,640,972	1,422,957	870,051	791,790	547,030	513,353
2011	2,008,853	1,826,949	931,768	971,093	678,000	661,189
2012	2,175,092	1,943,247	913,384	1,014,601	707,042	662,850
2013	2,355,595	2,120,216	830,158	955,445	721,896	645,614
2014	2,524,238	2,261,552	863,177	991,524	725,127	639,920
2015	2,429,294	2,044,652	732,146	752,499	646,810	542,144

Unit: %

	% of World						% of ASEAN + 3					
	China		Japan		ROK		China		Japan		ROK	
	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import
1999	3.1	2.7	6.5	5.5	2.4	2.0	17.1	17.2	35.9	35.5	13.3	
2005	6.0	5.1	5.3	4.8	2.6	2.5	30.4	28.7	26.5	26.7	13.2	13.9
2010	8.7	7.7	4.6	4.3	2.9	2.8	38.1	37.0	20.2	20.6	12.7	13.4
2011	9.0	8.4	4.2	4.4	3.0	3.0	39.4	38.1	18.3	20.3	13.3	13.8
2012	9.6	8.8	4.0	4.6	3.1	3.0	40.9	38.5	17.2	20.1	13.3	13.1
2013	10.1	9.4	3.6	4.2	3.1	2.8	43.1	40.9	15.2	18.4	13.2	12.5
2014	10.6	9.8	3.6	4.3	3.1	2.8	44.2	42.2	15.1	18.5	12.7	11.9
2015	11.6	9.9	3.5	3.7	3.1	2.6	46.2	43.9	13.9	16.2	12.3	11.6

* ASEAN: Brunei, Cambodia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thai, Vietnam (Indonesia's data is not included. Myanmar's 2015 data is not included.)

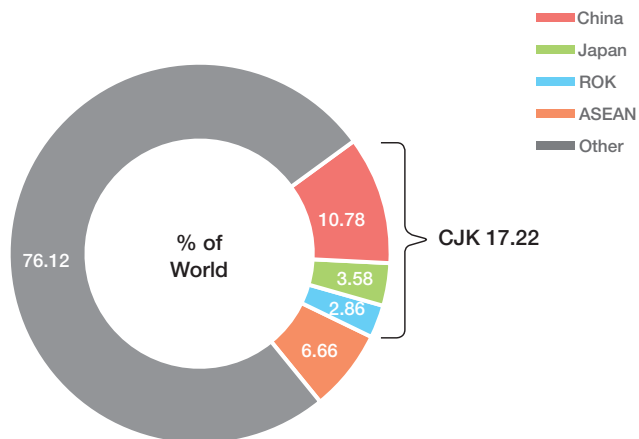
** ASEAN + 3 include members of ASEAN and China, Japan, ROK.

*** 1999 data is Trade in Goods and Services(BPM5), otherwise Trade in Goods and Services(BPM6).

Source

United Nations Conference on Trade and Development (UNCTAD)

Trade Volumes of Goods and Services (2015)



4-2 Current Account Balance (BoP)

Unit: Million US\$ (% of GDP)

	China	Japan	ROK
1999	22,115 (1.9)	114,126 (2.6)	21,608 (4.4)
2005	132,378 (5.8)	170,123 (3.7)	12,655 (1.4)
2006	231,843 (8.5)	174,673 (4.0)	3,569 (0.4)
2007	353,183 (10.0)	211,736 (4.9)	11,795 (1.1)
2008	420,569 (9.2)	142,116 (2.9)	3,190 (0.3)
2009	243,257 (4.8)	145,678 (2.9)	33,593 (3.7)
2010	237,810 (3.9)	220,888 (4.0)	28,850 (2.6)
2011	136,097 (1.8)	129,597 (2.2)	18,656 (1.6)
2012	215,392 (2.5)	60,117 (1.0)	50,835 (4.2)
2013	148,203 (1.6)	41,132 (0.9)	81,148 (6.2)
2014	277,434 (2.7)	36,025 (0.8)	84,373 (6.0)
2015	330,602 (3.0)	135,608 (3.3)	105,871 (7.7)

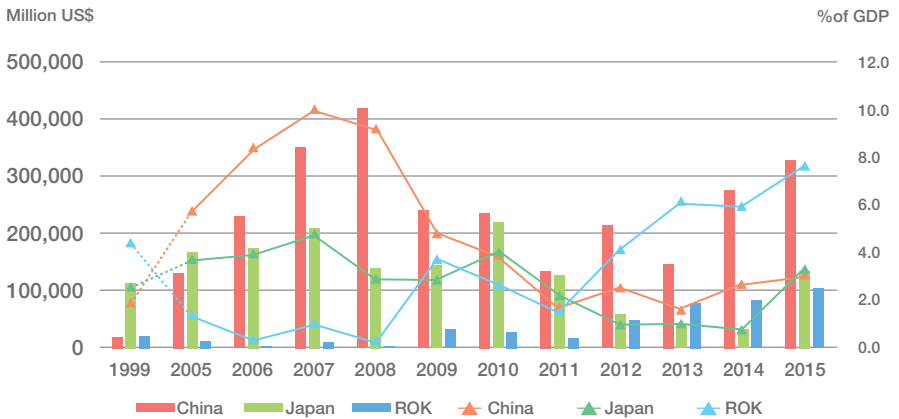
* At current prices

** Current Account Balance is the sum of net exports of goods and services, net primary income, and net secondary income.

Source

World Bank

Balance of Payment



4-3 Trade Dependency

Unit: % of GDP

	World	China	Japan	ROK
1999	47.2	33.1	18.8	65.4
2005	56.5	62.9	27.2	71.2
2006	58.9	64.8	31.1	73.6
2007	59.4	62.3	33.8	77.2
2008	61.1	56.8	35.2	99.9
2009	52.5	43.6	25.0	90.4
2010	57.2	49.4	29.2	95.7
2011	60.8	51.1	31.2	110.0
2012	60.9	48.7	31.4	109.9
2013	60.5	47.1	35.2	102.8
2014	60.2	45.1	38.6	95.3
2015	57.9	41.2	36.8	84.8

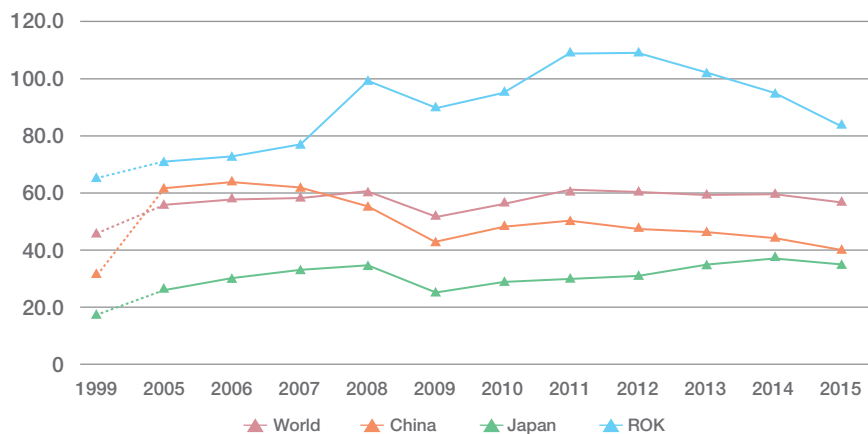
* Trade dependency is the ratio of total trade volume of goods and services to GDP.

Source

World Bank

Trade Dependency

% of GDP



4-4

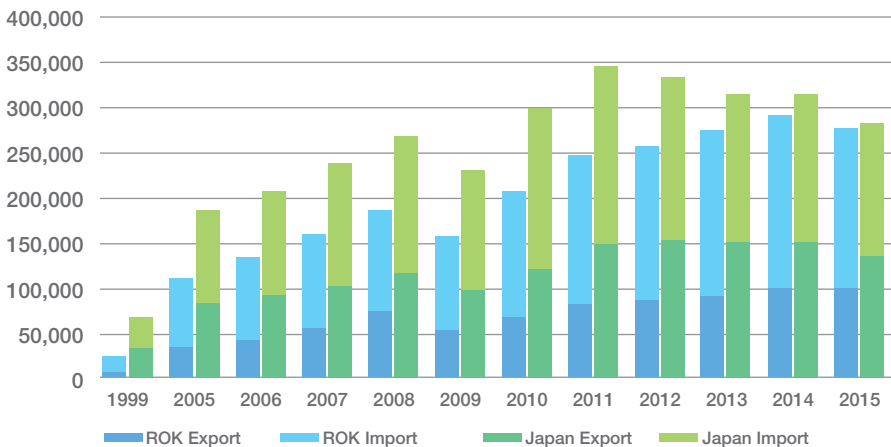
Trade Relations among the Three Countries (China)

Unit: Million US \$ (% of Total Exports or Imports of China)

China						
	Export to		Import from		Total	
	Japan	ROK	Japan	ROK	Exports	Imports
1999	32,411 (16.6)	7,808 (4.0)	33,763 (20.4)	17,226 (10.4)	194,931	165,699
2005	83,986 (11.0)	35,108 (4.6)	100,408 (15.2)	76,820 (11.6)	761,953	659,953
2006	91,623 (9.5)	44,522 (4.6)	115,673 (14.6)	89,724 (11.3)	968,936	791,461
2007	102,062 (8.4)	56,432 (4.6)	133,951 (14.0)	103,752 (10.9)	1,220,060	956,115
2008	116,132 (8.1)	73,932 (5.2)	150,600 (13.3)	112,138 (9.9)	1,430,693	1,132,562
2009	97,911 (8.2)	53,680 (4.5)	130,938 (13.0)	102,552 (10.2)	1,201,647	1,005,555
2010	121,044 (7.7)	68,766 (4.4)	176,736 (12.7)	138,339 (9.9)	1,577,764	1,396,002
2011	148,269 (7.8)	82,920 (4.4)	194,568 (11.2)	162,717 (9.3)	1,898,388	1,743,395
2012	151,627 (7.4)	87,674 (4.3)	177,832 (9.8)	168,728 (9.3)	2,048,782	1,818,199
2013	150,133 (6.8)	91,165 (4.1)	162,246 (8.3)	183,073 (9.4)	2,209,007	1,949,992
2014	149,410 (6.4)	100,335 (4.3)	162,842 (8.3)	190,105 (9.7)	2,342,343	1,958,021
2015	135,897 (6.0)	101,475 (4.5)	143,093 (8.5)	174,564 (10.4)	2,281,856	1,681,671
Source	World Integrated Trade Solution (WITS)					

China's Trade Relations with Japan and ROK

Million US\$



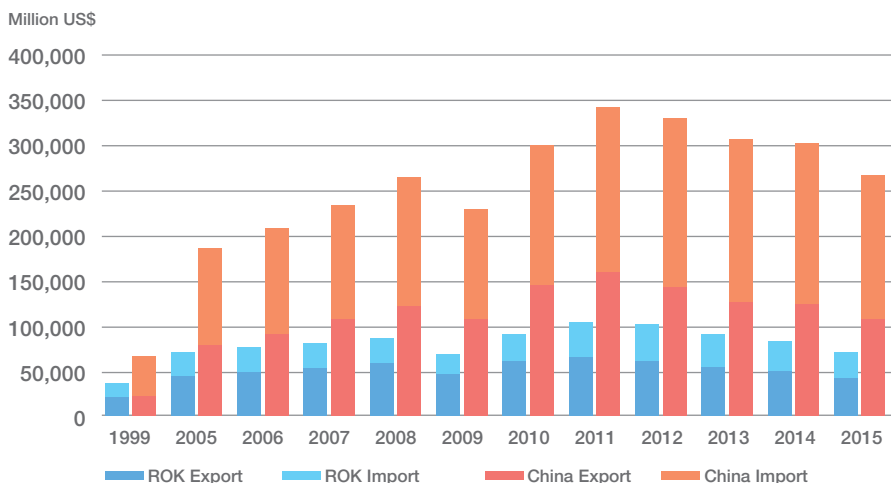
4-5

Trade Relations among the Three Countries (Japan)

Unit: Million US \$ (% of Total Exports or Imports of Japan)

Japan						
	Export to		Import from		Total	
	China	ROK	China	ROK	Exports	Imports
1999	23,340 (5.6)	22,891 (5.5)	42,853 (13.8)	16,035 (5.2)	417,610	309,994
2005	80,074 (13.5)	46,630 (7.9)	108,478 (21.0)	24,415 (4.7)	594,941	515,866
2006	92,770 (14.3)	50,270 (7.8)	118,526 (20.5)	27,328 (4.7)	646,725	579,064
2007	109,271 (15.3)	54,333 (7.6)	127,922 (20.6)	27,307 (4.4)	714,327	622,243
2008	124,901 (16.0)	59,493 (7.6)	143,230 (18.8)	29,475 (3.9)	781,412	762,534
2009	109,727 (18.9)	47,273 (8.1)	122,574 (22.2)	21,984 (4.0)	580,719	551,985
2010	149,451 (19.4)	62,361 (8.1)	153,203 (22.1)	28,601 (4.1)	769,774	694,059
2011	162,035 (19.7)	66,174 (8.0)	183,882 (21.5)	39,811 (4.7)	823,184	855,380
2012	144,208 (18.1)	61,538 (7.7)	188,435 (21.3)	40,593 (4.6)	798,568	885,843
2013	129,401 (18.1)	56,513 (7.9)	180,978 (21.7)	35,822 (4.3)	715,097	833,166
2014	126,361 (18.3)	51,520 (7.5)	181,294 (22.3)	33,385 (4.1)	690,217	812,185
2015	109,327 (17.5)	44,053 (7.1)	160,506 (25.6)	26,808 (4.3)	625,025	626,083
Source	World Integrated Trade Solution (WITS)					

Japan's Trade Relations with China and ROK



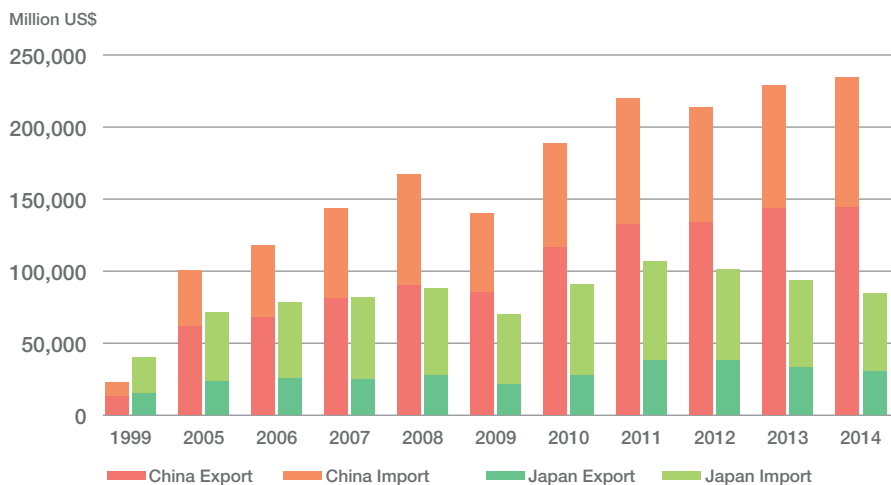
4-6 Trade Relations among the Three Countries (ROK)

Unit: Million US \$ (% of Total Exports or Imports of ROK)

ROK						
	Export to		Import from		Total	
	China	Japan	China	Japan	Exports	Imports
1999	13,685 (9.5)	15,862 (11.0)	8,867 (7.4)	24,142 (20.2)	143,685	119,751
2005	61,915 (21.8)	24,027 (8.5)	38,648 (14.8)	48,403 (18.5)	284,418	261,236
2006	69,459 (21.3)	26,534 (8.2)	48,557 (15.7)	51,926 (16.8)	325,457	309,379
2007	81,985 (22.1)	26,370 (7.1)	63,025 (17.7)	56,250 (15.8)	371,477	356,841
2008	91,389 (21.7)	28,252 (6.7)	76,927 (17.7)	60,956 (14.0)	422,003	435,271
2009	86,703 (23.9)	21,771 (6.0)	54,246 (16.8)	49,427 (15.3)	363,531	323,082
2010	116,838 (25.1)	28,176 (6.0)	71,573 (16.8)	64,296 (15.1)	466,381	425,208
2011	134,185 (24.2)	39,679 (7.2)	86,431 (16.5)	68,320 (13.0)	555,209	524,405
2012	134,322 (24.5)	38,796 (7.1)	80,782 (15.6)	64,363 (12.4)	547,854	519,576
2013	145,869 (26.1)	34,662 (6.2)	83,051 (16.1)	60,029 (11.6)	559,619	515,573
2014	145,328 (25.4)	32,248 (5.7)	90,071 (17.1)	53,776 (10.2)	573,075	525,557

Source: World Integrated Trade Solution (WITS)

ROK's Trade Relations with China and Japan



4-7

CJK's Major Trading Partners (2015)

Unit: Million US \$

Rank	China			
	Export		Import	
1	United States	410,805	ROK	174,564
2	Hong Kong, China	334,291	United States	150,544
3	Japan	135,897	Japan	143,093
4	ROK	101,475	Germany	87,689
5	Germany	69,217	Australia	73,871
6	Vietnam	66,381	Malaysia	53,258
7	United Kingdom	59,668	Brazil	44,339
8	Netherlands	59,630	Switzerland	41,205
9	India	58,262	Thailand	37,221
10	Singapore	53,139	Russian Federation	33,217
	Others	933,091	Others	1,042,670

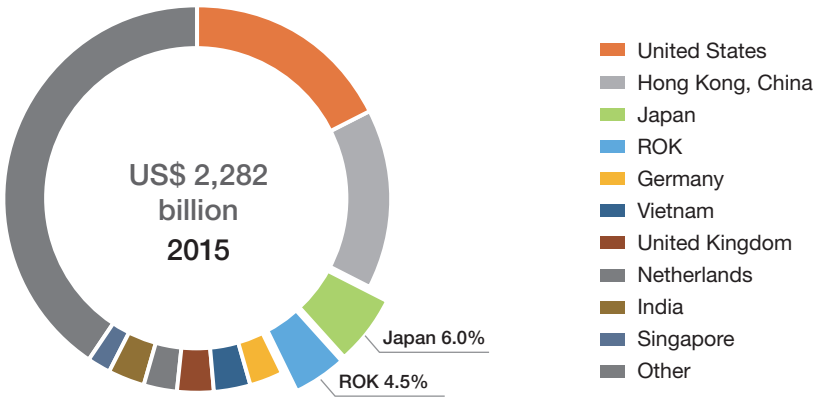
Rank	Japan			
	Export		Import	
1	United States	126,393	China	160,506
2	China	109,327	United States	68,296
3	ROK	44,053	Australia	34,843
4	Hong Kong, China	35,011	ROK	26,808
5	Thailand	27,990	United Arab Emirates	23,515
6	Singapore	19,860	Malaysia	21,558
7	Germany	16,237	Thailand	20,421
8	Australia	12,854	Germany	20,277
9	Vietnam	12,543	Indonesia	19,814
10	Malaysia	12,005	Qatar	16,316
	Others	208,752	Others	213,729

Rank	ROK (2014)			
	Export		Import	
1	China	145,328	China	90,071
2	United States	70,598	Japan	53,776
3	Japan	32,248	United States	45,531
4	Hong Kong, China	27,275	Qatar	25,728
5	Singapore	23,906	Germany	21,285
6	Vietnam	22,333	Australia	20,441
7	India	12,785	Kuwait	16,907
8	Indonesia	11,417	United Arab Emirates	16,196
9	Mexico	10,850	Russian Federation	15,674
10	Australia	10,309	Indonesia	12,271
	Others	206,026	Others	207,677

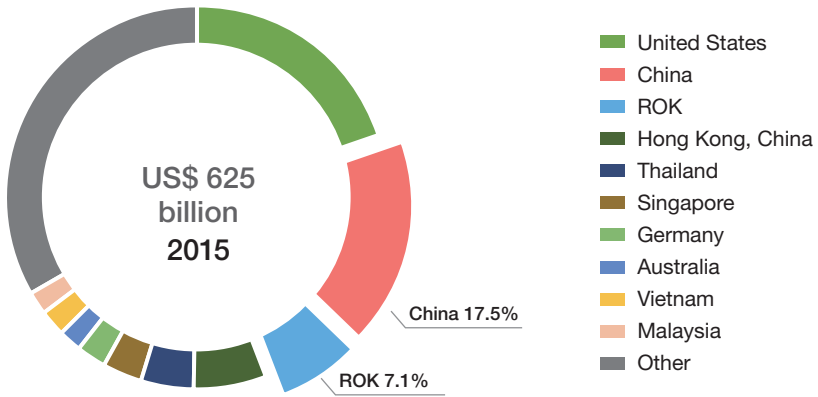
Source

World Integrated Trade Statistics (WITS)

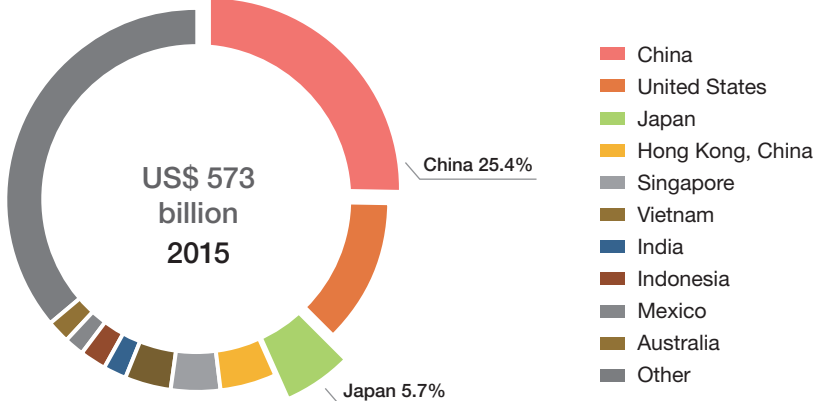
China's Top 10 Export Markets



Japan's Top 10 Export Markets



ROK's Top 10 Export Markets



4-8 Top 10 Export Commodities of CJK (2015)

China	
HS-4 digits	Products
8517	Electrical apparatus for line telephony or line telegraphy
8471	Automatic data processing machines and units thereof
8542	Electronic integrated circuits
9405	Lamps and lighting fittings
9013	Liquid crystal devices
8541	Diodes, transistors and similar semiconductor devices
9403	Other furniture and parts thereof
8473	Parts and accessories for use with machines of heading 84.69 to 84.72
8528	Reception apparatus for television
7113	Articles of jewellery and parts thereof, of precious metal

Japan	
HS-4 digits	Products
8703	Motor cars and other motor vehicles principally designed for the transport
9999	Commodities not specified according to kind
8708	Parts and accessories of the motor vehicles of headings 87.01 to 87.05
8542	Electronic integrated circuits
8486	Machines and apparatus used for the manufacture of semiconductor devices
8901	Cruise ships, excursion boats, ferry-boats, cargo ships, barges
8443	Printing machinery used for printing by means of the printing type, blocks
8704	Motor vehicles for the transport of goods
2710	Petroleum oils, other than crude
8541	Diodes, transistors and similar semiconductor devices

ROK(2014)	
HS-4 digits	Products
8542	Electronic integrated circuits
2710	Petroleum oils, other than crude
8703	Motor cars and other motor vehicles principally designed for the transport
8517	Electrical apparatus for line telephony or line telegraphy.
9013	Liquid crystal devices
8708	Parts and accessories of the motor vehicles of headings 87.01 to 87.05
8901	Cruise ships, excursion boats, ferry-boats, cargo ships, barges
8905	Light-vessels, fire-floats, dredgers, floating cranes and other vessels
2902	Cyclic hydrocarbons
8529	Parts suitable for use with the apparatus of headings 85.25 to 85.28

Source

United Nations Commodity Trade (UNCOMTRADE) 2015 International Trade Statistics Yearbook

4-9

Top 10 Import Commodities of CJK (2015)

China	
HS-4 digits	Products
8542	Electronic integrated circuits
2709	Petroleum oils and oils obtained from bituminous minerals, crude
9999	Commodities not specified according to kind
2601	Iron ores and concentrates, including roasted iron pyrites
8517	Electrical apparatus for line telephony or line telegraphy.
9013	Liquid crystal devices
8703	Motor cars and other motor vehicles principally designed for the transport
1201	Soya beans, whether or not broken
8541	Diodes, transistors and similar semiconductor devices
8471	Automatic data processing machines and units thereof

Japan	
HS-4 digits	Products
2711	Petroleum gases and other gaseous hydrocarbons
2709	Petroleum oils and oils obtained from bituminous minerals, crude
8517	Electrical apparatus for line telephony or line telegraphy
3004	Medicaments (excluding goods of heading 30.02, 30.05 or 30.06)
8542	Electronic integrated circuits
2701	Coal; briquettes, ovoids and similar solid fuels manufactured from coal
2710	Petroleum oils, other than crude
8471	Automatic data processing machines and units thereof
9999	Commodities not specified according to kind
8601	Iron ores and concentrates, including roasted iron pyrites

ROK(2014)	
HS-4 digits	Products
2709	Petroleum oils and oils obtained from bituminous minerals, crude
2711	Petroleum gases and other gaseous hydrocarbons
8542	Electronic integrated circuits
2710	Petroleum oils, other than crude
2701	Coal; briquettes, ovoids and similar solid fuels manufactured from coal
8517	Electrical apparatus for line telephony or line telegraphy
2601	Iron ores and concentrates, including roasted iron pyrites
8703	Motor cars and other motor vehicles principally designed for the transport
8486	Machines and apparatus used for the manufacture of semiconductor devices
7208	Flat-rolled products of iron or non-alloy steel

Source

United Nations Commodity Trade (UNCOMTRADE) 2015 International Trade Statistics Yearbook

4-10 Bilateral Exports of China

Unit: Million US\$

	To Japan	2012	2013	2014
1	Machinery and transport equipment	62,662	65,041	66,585
2	Miscellaneous manufactured articles	45,938	44,878	41,899
3	Manufactured goods	18,747	17,859	18,566
4	Food and live animals	10,767	10,098	9,972
5	Chemicals and related products, n.e.s.	8,894	8,422	8,918
6	Crude materials, inedible, except fuels	2,018	1,871	1,930
7	Mineral fuels, lubricants and related materials	2,472	1,829	1,446
8	Beverages and tobacco	79	74	58
9	Animal and vegetable oils, fats and waxes	43	60	34
10	Commodities and transactions, n.e.s.	6	1	2
	Total	151,627	150,133	149,410

	To ROK	2012	2013	2014
1	Machinery and transport equipment	42,151	45,906	48,165
2	Manufactured goods	19,142	17,967	21,016
3	Miscellaneous manufactured articles	12,466	13,044	15,562
4	Chemicals and related products, n.e.s.	6,782	7,182	7,924
5	Food and live animals	3,395	3,612	3,973
6	Mineral fuels, lubricants and related materials	2,166	1,982	2,122
7	Crude materials, inedible, except fuels	1,449	1,372	1,460
8	Beverages and tobacco	40	50	72
9	Animal and vegetable oils, fats and waxes	23	25	29
10	Commodities and transactions, n.e.s.	59	24	12
	Total	87,671	91,164	100,335

* The products are categorized by SITC sections.

** Sorting according to 2014's data.

Source

United Nations Conference on Trade and Development (UNCTAD)

4-11

Bilateral Imports of China

Unit: Million US \$

	From Japan	2012	2013	2014
1	Machinery and transport equipment	98,679	85,673	87,878
2	Chemicals and related products, n.e.s.	25,141	26,257	24,737
3	Manufactured goods	24,780	22,485	22,685
4	Miscellaneous manufactured articles	20,912	19,983	20,179
5	Crude materials, inedible, except fuels	5,731	5,485	4,761
6	Mineral fuels, lubricants and related materials	2,107	1,862	1,708
7	Commodities and transactions, n.e.s.	158	164	501
8	Food and live animals	285	309	363
9	Beverages and tobacco	28	20	22
10	Animal and vegetable oils, fats and waxes	12	8	8
	Total	177,833	162,246	162,842

	From ROK	2012	2013	2014
1	Machinery and transport equipment	84,202	98,268	99,851
2	Chemicals and related products, n.e.s.	27,913	30,936	29,834
3	Miscellaneous manufactured articles	26,745	25,422	24,372
4	Manufactured goods	13,860	15,765	24,182
5	Mineral fuels, lubricants and related materials	11,540	10,263	9,547
6	Crude materials, inedible, except fuels	1,925	1,625	1,522
7	Food and live animals	489	565	594
8	Commodities and transactions, n.e.s.	1,985	145	100
9	Beverages and tobacco	59	80	90
10	Animal and vegetable oils, fats and waxes	10	3	14
	Total	168,728	183,072	190,106

* The products are categorized by SITC sections.

** Sorting according to 2014's data.

Source

United Nations Conference on Trade and Development (UNCTAD)

4-12 Bilateral Exports of Japan

Unit: Million US \$

	To China	2012	2013	2014
1	Machinery and transport equipment	75,145	64,295	63,678
2	Chemicals and related products, n.e.s.	19,949	21,064	19,665
3	Manufactured goods	19,995	17,759	15,690
4	Miscellaneous manufactured articles	14,582	13,418	13,643
5	Commodities and transactions, n.e.s.	6,711	5,723	5,960
6	Crude materials, inedible, except fuels	5,548	5,174	4,446
7	Mineral fuels, lubricants and related materials	1,891	1,588	1,483
8	Food and live animals	324	343	384
9	Beverages and tobacco	48	28	27
10	Animal and vegetable oils, fats and waxes	15	9	12
	Total	144,208	129,401	124,988

	To ROK	2012	2013	2014
1	Machinery and transport equipment	20,105	18,494	16,572
2	Chemicals and related products, n.e.s.	14,901	13,749	12,531
3	Manufactured goods	12,687	10,747	8,467
4	Miscellaneous manufactured articles	6,051	5,243	5,024
5	Mineral fuels, lubricants and related materials	2,250	3,163	3,083
6	Commodities and transactions, n.e.s.	2,449	2,339	2,418
7	Crude materials, inedible, except fuels	2,732	2,462	2,079
8	Food and live animals	267	222	218
9	Beverages and tobacco	64	58	53
10	Animal and vegetable oils, fats and waxes	33	36	42
	Total	61,539	56,513	50,487

* The products are categorized by SITC sections.

** Sorting according to 2014's data.

Source

United Nations Conference on Trade and Development (UNCTAD)

4-13

Bilateral Imports of Japan

Unit: Million US \$

	From China	2012	2013	2014
1	Machinery and transport equipment	83,593	84,241	87,113
2	Miscellaneous manufactured articles	57,583	53,720	50,066
3	Manufactured goods	21,653	20,098	21,212
4	Chemicals and related products, n.e.s.	10,222	9,239	9,704
5	Food and live animals	9,833	8,815	8,651
6	Crude materials, inedible, except fuels	2,522	2,258	2,328
7	Commodities and transactions, n.e.s.	1,615	1,329	1,369
8	Mineral fuels, lubricants and related materials	1,280	1,116	1,168
9	Beverages and tobacco	86	97	74
10	Animal and vegetable oils, fats and waxes	47	65	36
	Total	188,434	180,978	181,721

	From ROK	2012	2013	2014
1	Machinery and transport equipment	12,546	11,176	10,853
2	Manufactured goods	7,771	6,612	7,551
3	Mineral fuels, lubricants and related materials	10,146	8,927	6,771
4	Chemicals and related products, n.e.s.	4,020	3,783	3,695
5	Miscellaneous manufactured articles	1,803	1,484	1,467
6	Food and live animals	1,721	1,486	1,395
7	Commodities and transactions, n.e.s.	1,253	1,136	1,341
8	Crude materials, inedible, except fuels	870	789	987
9	Beverages and tobacco	455	424	505
10	Animal and vegetable oils, fats and waxes	7	7	10
	Total	40,592	35,824	34,575

* The products are categorized by SITC sections.

** Sorting according to 2014's data.

Source

United Nations Conference on Trade and Development (UNCTAD)

4-14 Bilateral Exports of ROK

Unit: Million US \$

	To China	2012	2013	2014
1	Machinery and transport equipment	57,902	70,494	73,723
2	Chemicals and related products, n.e.s.	25,407	28,333	27,167
3	Miscellaneous manufactured articles	25,907	24,117	22,820
4	Manufactured goods	11,426	11,394	11,327
5	Mineral fuels, lubricants and related materials	10,602	8,912	7,803
6	Crude materials, inedible, except fuels	1,937	1,518	1,417
7	Food and live animals	868	913	901
8	Beverages and tobacco	88	96	98
9	Commodities and transactions, n.e.s.	145	79	48
10	Animal and vegetable oils, fats and waxes	40	14	22
	Total	134,322	145,870	145,326

	To Japan	2012	2013	2014
1	Machinery and transport equipment	12,092	10,340	10,002
2	Manufactured goods	8,163	6,747	6,945
3	Mineral fuels, lubricants and related materials	8,776	8,604	6,654
4	Chemicals and related products, n.e.s.	4,207	3,998	3,797
5	Miscellaneous manufactured articles	2,584	2,280	2,212
6	Food and live animals	1,683	1,481	1,421
7	Crude materials, inedible, except fuels	795	742	722
8	Beverages and tobacco	361	333	378
9	Commodities and transactions, n.e.s.	126	128	105
10	Animal and vegetable oils, fats and waxes	10	9	13
	Total	38,796	34,662	32,249

* The products are categorized by SITC sections.

** Sorting according to 2014's data.

Source

United Nations Conference on Trade and Development (UNCTAD)

4-15

Bilateral Imports of ROK

Unit: Million US \$

	From China	2012	2013	2014
1	Machinery and transport equipment	35,999	37,816	40,671
2	Manufactured goods	19,290	19,013	21,192
3	Miscellaneous manufactured articles	12,608	12,791	14,215
4	Chemicals and related products, n.e.s.	7,075	7,381	8,198
5	Food and live animals	2,835	3,169	3,187
6	Crude materials, inedible, except fuels	1,448	1,437	1,598
7	Mineral fuels, lubricants and related materials	1,400	1,344	906
8	Beverages and tobacco	27	40	52
9	Animal and vegetable oils, fats and waxes	20	21	30
10	Commodities and transactions, n.e.s.	80	40	23
	Total	80,782	83,052	90,072

	From Japan	2012	2013	2014
1	Machinery and transport equipment	22,600	21,931	19,485
2	Chemicals and related products, n.e.s.	15,049	14,014	12,561
3	Manufactured goods	13,667	11,548	10,563
4	Miscellaneous manufactured articles	7,028	5,875	5,597
5	Mineral fuels, lubricants and related materials	2,426	3,395	2,832
6	Crude materials, inedible, except fuels	2,979	2,694	2,271
7	Food and live animals	281	238	227
8	Commodities and transactions, n.e.s.	240	248	148
9	Beverages and tobacco	55	47	50
10	Animal and vegetable oils, fats and waxes	37	40	42
	Total	64,362	60,030	53,776

* The products are categorized by SITC sections.

** Sorting according to 2014's data.

Source

United Nations Conference on Trade and Development (UNCTAD)

Investment

5

- 5-1.** Foreign Direct Investment (FDI) Flows
- 5-2.** Foreign Direct Investment (FDI) Stock
- 5-3.** Cross-border Merger and Acquisition
- 5-4.** Announced Greenfield Investment Project
- 5-5.** Doing Business Index of China (2015-2016)
- 5-6.** Doing Business Index of Japan (2015-2016)
- 5-7.** Doing Business Index of ROK (2015-2016)
- 5-8.** Doing Business Start-up Indicators
- 5-9.** FDI Regulatory Restrictiveness Index

5-1 Foreign Direct Investment (FDI) Flows

Unit: Million US \$ and % of gross fixed capital formation

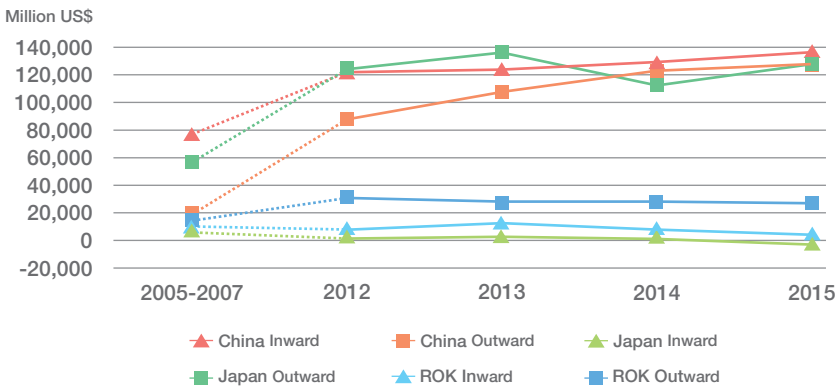
		2005-2007	2012	2013	2014	2015
World	Inward	1,418,164 (11.6)	1,510,918	1,427,181 (7.8)	1,276,999 (6.7)	1,762,155 (9.9)
	Outward	1,445,276 (11.8)	1,308,820	1,310,618 (7.2)	1,318,470 (7.0)	1,474,242 (8.3)
China	Inward	76,214 (6.9)	121,080	123,911 (2.9)	128,500 (2.8)	135,610 (3.0)
	Outward	18,800 (1.7)	87,804	107,844 (2.5)	123,120 (2.7)	127,560 (2.8)
Japan	Inward	6,273 (0.6)	1,732	2,304 (0.2)	2,090 (0.2)	-2,250 (-0.3)
	Outward	56,532 (5.7)	122,549	135,749 (12.8)	113,595 (11.2)	128,654 (14.4)
ROK	Inward	10,544 (3.4)	9,496	12,767 (3.3)	9,274 (2.3)	5,042 (1.4)
	Outward	14,391 (4.6)	30,632	28,360 (7.4)	28,039 (6.8)	27,640 (7.5)

*2005-2007 indicates pre-crisis annual average.

** 2012's percentage of Gross Fixed Capital Formation is not available.

Source: United Nations Conference on Trade and Development (UNCTAD)

FDI Inward and Outward



5-2 Foreign Direct Investment (FDI) Stock

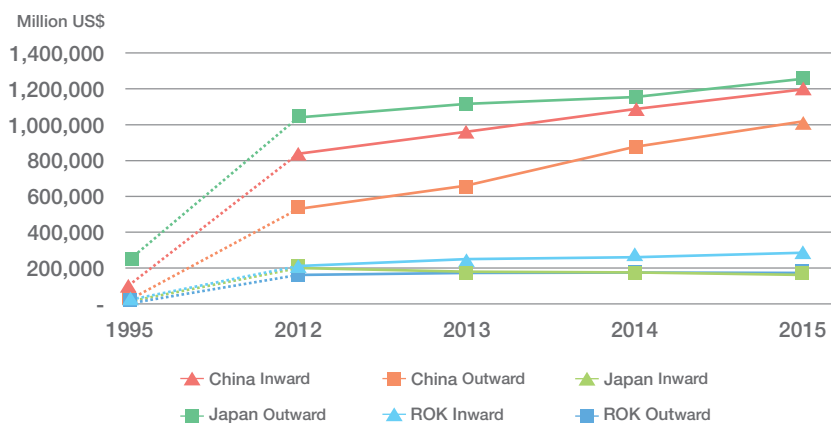
Unit: Million US \$ and % of GDP

		1995	2012	2013	2014	2015
World	Inward	3,565,318 (11.2)	22,639,110	24,532,733 (31.9)	25,112,800 (31.8)	24,983,214 (33.6)
	Outward	3,992,701 (12.9)	22,701,815	24,664,815 (32.3)	24,809,704 (31.7)	25,044,916 (34.0)
China	Inward	101,098 (13.8)	832,882	956,793 (10.1)	1,085,293 (10.4)	1,220,903 (11.1)
	Outward	17,768 (2.4)	531,941	660,478 (6.9)	882,642 (8.5)	1,010,202 (9.2)
Japan	Inward	33,531 (0.6)	205,752	170,710 (3.5)	171,663 (3.7)	170,698 (4.1)
	Outward	238,452 (4.5)	1,037,698	1,118,010 (22.8)	1,152,006 (25.1)	1,226,554 (29.7)
ROK	Inward	18,220 (3.3)	157,876	180,860 (13.9)	179,205 (12.7)	174,573 (12.7)
	Outward	13,280 (2.4)	202,875	238,812 (18.3)	265,729 (18.8)	278,395 (20.2)

* 2012's percentage of GDP is not available.

Source United Nations Conference on Trade and Development (UNCTAD)

FDI Stock Inward and Outward



5-3 Cross-border Merger and Acquisition

Unit: Million US \$

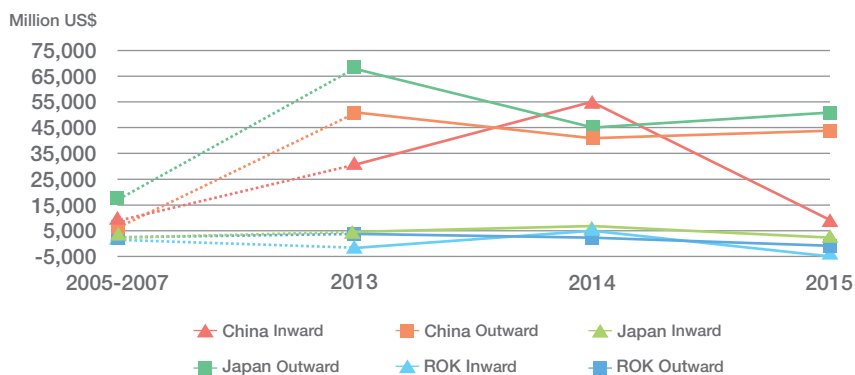
		2005-2007	2013	2014	2015
World	Sales (net)	729,177	262,517	432,480	721,455
	Purchases (net)	729,177	262,517	432,480	721,455
China	Sales (net)	8,997	31,066	54,913	9,660
	Purchases (net)	6,592	51,526	40,779	43,653
Japan	Sales (net)	2,119	4,423	6,637	3,203
	Purchases (net)	17,182	58,275	45,645	50,381
ROK	Sales (net)	1,966	-652	5,501	-3,649
	Purchases (net)	3,215	4,027	3,305	563

*2005-2007 indicates pre-crisis annual average.

Source

United Nations Conference on Trade and Development (UNCTAD)

Cross-border Merger and Acquisition



5-4

Announced Greenfield Investment Project

Unit: Million US \$

		2005-2007	2013	2014	2015
World**	As destination	751,551	830,771	706,049	765,729
	As source	751,551	830,771	706,049	765,729
China	As destination	101,537	90,009	76,571	59,407
	As source	15,466	39,552	64,101	59,823
Japan	As destination	4,867	11,157	8,623	8,904
	As source	58,915	64,580	52,301	56,434
ROK	As destination	8,314	10,462	10,444	9,328
	As source	23,029	20,657	25,216	26,357

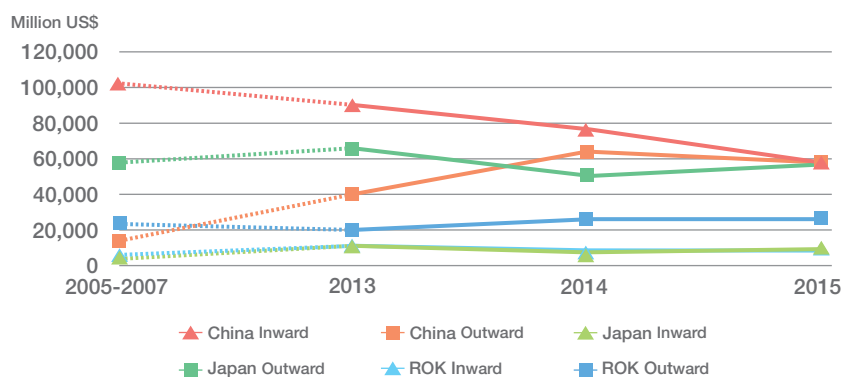
* 2005-2007 indicates pre-crisis annual average.

** Excluding Caribbean offshore financial centres.

Source

United Nations Conference on Trade and Development (UNCTAD)

Announced Greenfield Investment Project



5-5 Doing Business Index of China (2015-2016)

Topics	2015 Rank	2016 Rank	Change in Rank
Starting a Business	127	136	↓ -9
Dealing with Construction Permits	177	176	↑ 1
Getting Electricity	86	92	↓ -6
Registering Property	41	43	↓ -2
Getting Credit	71	79	↓ -8
Protecting Minority Investors	133	134	↓ -1
Paying Taxes	133	132	↑ 1
Trading Across Borders	96	96	-
Enforcing Contracts	7	7	-
Resolving Insolvency	53	55	↓ -2
Source	World Bank		

5-6 Doing Business Index of Japan (2015-2016)

Topics	2015 Rank	2016 Rank	Change in Rank
Starting a Business	81	77	↓ -4
Dealing with Construction Permits	68	66	↓ -2
Getting Electricity	14	14	-
Registering Property	48	47	↓ -1
Getting Credit	79	71	↓ -8
Protecting Minority Investors	36	33	↓ -3
Paying Taxes	121	120	↓ -1
Trading Across Borders	52	51	↓ -1
Enforcing Contracts	51	51	-
Resolving Insolvency	2	2	-
Source	World Bank		

5-7 Doing Business Index of ROK (2015-2016)

Topics	2015 Rank	2016 Rank	Change in Rank
Starting a Business	16	23	↓ -7
Dealing with Construction Permits	30	28	↑ 2
Getting Electricity	1	1	-
Registering Property	38	40	↓ -2
Getting Credit	36	42	↓ -6
Protecting Minority Investors	8	8	-
Paying Taxes	27	29	↓ -1
Trading Across Borders	30	31	↓ -2
Enforcing Contracts	2	2	-
Resolving Insolvency	5	4	↑ 1
Source	World Bank		

5-8 Doing Business Start-up Indicators

Cost of Business Start-up Procedure (% of GNI per capita)			
	2013	2014	2015
China	1.9	0.9	0.7
Japan	7.5	7.5	7.5
ROK	14.6	14.5	14.5
Time Required to Start Up Business (Days)			
	2013	2014	2015
China	34.4	31.4	31.4
Japan	10.7	10.2	10.2
ROK	4	4	4
Source	World Bank		

5-9 FDI Regulatory Restrictiveness Index

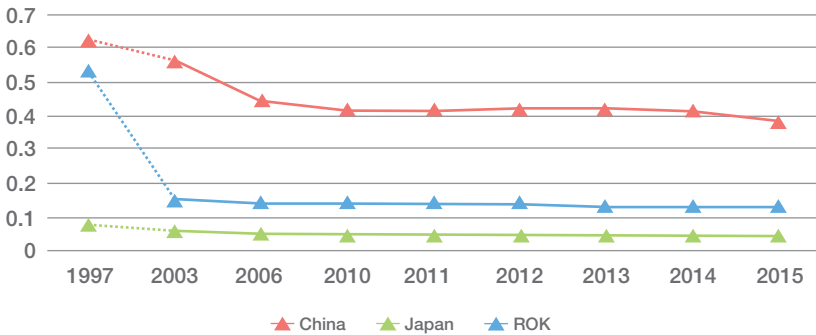
	China	Japan	ROK
1997	0.626	0.079	0.532
2003	0.561	0.064	0.148
2006	0.447	0.057	0.143
2010	0.421	0.052	0.143
2011	0.421	0.052	0.143
2012	0.418	0.052	0.143
2013	0.418	0.052	0.135
2014	0.417	0.052	0.135
2015	0.386	0.052	0.135

* 0=open, 1=closed

** The FDI regulatory restrictiveness index measures statutory restrictions on foreign direct investment.

Source	OECD
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FDI Regulatory Restrictiveness Index



Finance

6

- 6-1.** Official Exchange Rate
- 6-2.** Money Supply (M2)
- 6-3.** Foreign Exchange Reserves
- 6-4.** Real Interest Rate
- 6-5.** Bank Nonperforming Loans
- 6-6.** Size and Composition of Local Currency Bond Markets
- 6-7.** Growth Rates of Stock Market Price Index

6-1 Official Exchange Rate

LCU per US\$, period average

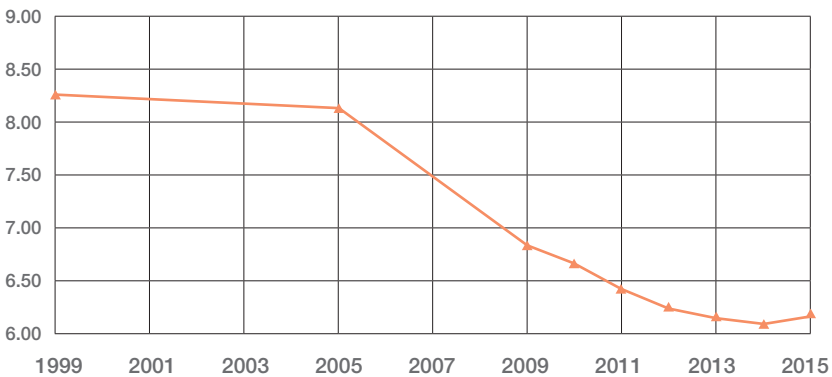
	China	Japan	ROK
1999	8.28	113.91	1,188.82
2005	8.19	110.22	1,024.12
2009	6.83	93.57	1,276.93
2010	6.77	87.78	1,156.06
2011	6.46	79.81	1,108.29
2012	6.31	79.79	1,126.47
2013	6.20	97.60	1,094.85
2014	6.14	105.94	1,052.96
2015	6.23	121.04	1,131.16

* Official exchange rate refers to the exchange rate determined by national authorities or to the rate determined in the legally sanctioned exchange market. It is calculated as an annual average based on monthly averages (local currency units(LCU) relative to the U.S. dollar).

Source

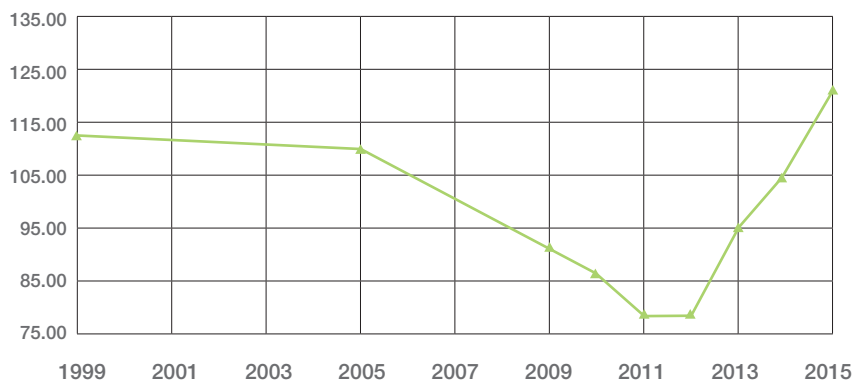
World Bank

China

LCU per US\$,
period average

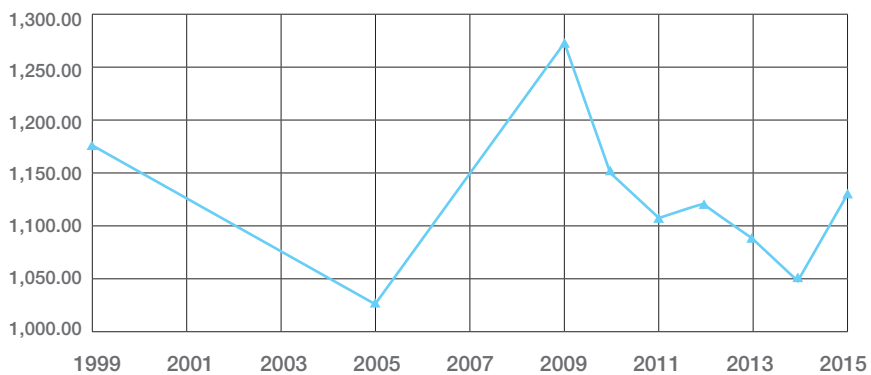
Japan

LCU per US\$,
period average



ROK

LCU per US\$,
period average



6-2 Money Supply (M2)

Unit: %

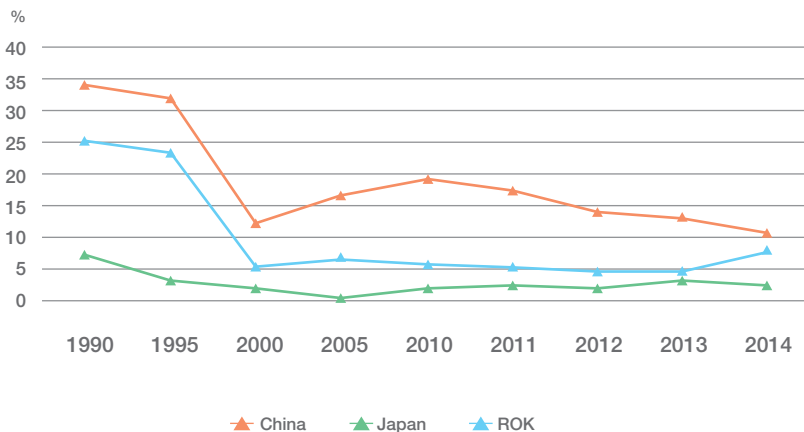
Growth Rates of Money Supply (M2)			
	China	Japan*	ROK
1990	34.2	7.4	25.3
1995	32.3	3.2	23.3
2000	12.3	1.9	5.2
2005	16.5	0.4	7.0
2010	19.7	1.9	6.0
2011	17.3	2.6	5.5
2012	14.4	2.2	4.8
2013	13.6	3.4	4.6
2014	11.0	2.8	8.1

* Data from 2000 refer to M3, otherwise M2.

Source

Asian Development Bank

Growth Rates of Money Supply (M2)



6-3 Foreign Exchange Reserves

Unit: Billion US \$, Ranking

	China		Japan		ROK	
	Value	Ranking	Value	Ranking	Value	Ranking
1999	161.4	2	293.9	1	74.1	7
2005	831.4	2	846.9	1	210.6	3
2006	1,080.8	1	895.3	2	239.1	4
2007	1,546.4	1	973.3	2	262.5	7
2008	1,966.0	1	1,030.8	2	201.5	7
2009	2,452.9	1	1,049.0	2	270.4	7
2010	2,913.7	1	1,096.1	2	292.1	7
2011	3,254.7	1	1,295.8	2	306.9	8
2012	3,387.5	1	1,268.1	2	327.7	8
2013	3,880.4	1	1,266.9	2	345.7	8
2014	3,900.0	1	1,260.7	2	362.8	8
2015	3,345.2	1	1,207.0	2	363.1	5

* At current prices

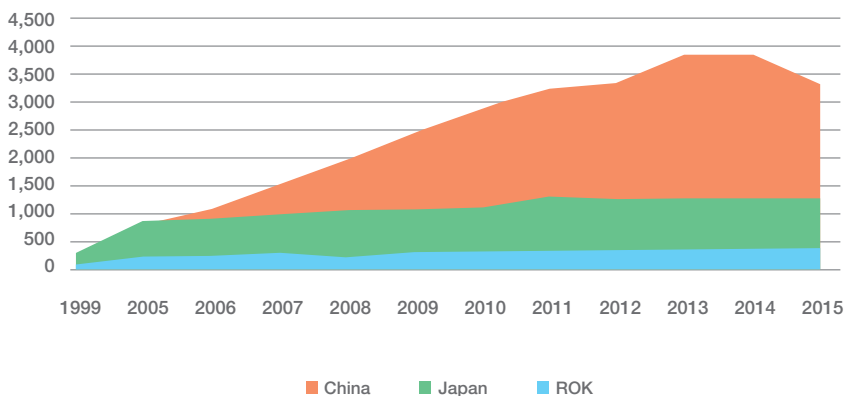
** Data refer to international reserves with gold at national valuation unless otherwise specified.

Source

World Bank

Foreign Exchange Reserves

Billion US\$



6-4 Real Interest Rate

Unit: %

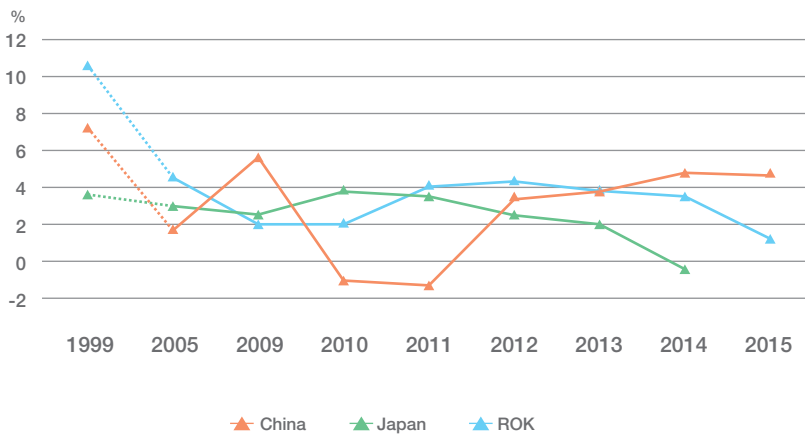
	China	Japan	ROK
1999	7.21	3.48	10.55
2005	1.64	2.97	4.52
2009	5.42	2.23	2.03
2010	-1.05	3.84	2.28
2011	-1.46	3.42	4.11
2012	3.52	2.36	4.31
2013	3.68	1.87	3.76
2014	4.74	-0.44	3.64
2015	4.82	-	1.29

*Real interest rate is the lending interest rate adjusted for inflation as measured by the GDP deflator.

Source

World Bank

Real Interest Rate



6-5 Bank Nonperforming Loans

% to total gross loans

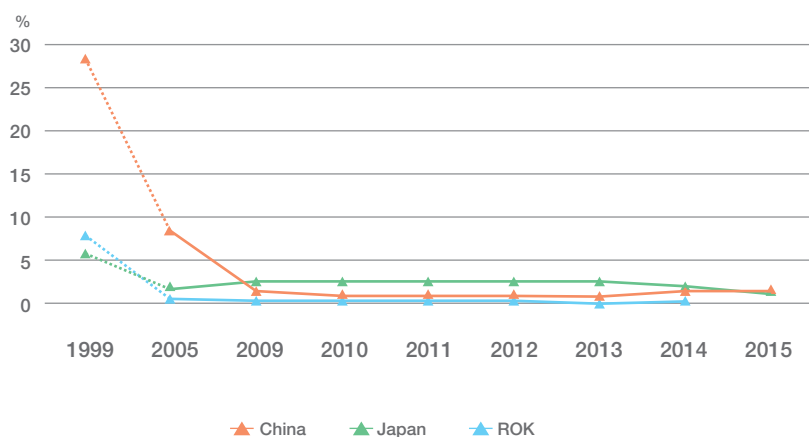
	China	Japan	ROK
1999	28.50	5.80	8.30
2005	8.60	1.80	1.20
2009	1.60	2.40	0.58
2010	1.13	2.45	0.59
2011	0.96	2.43	0.48
2012	0.95	2.43	0.59
2013	1.00	2.34	0.57
2014	1.10	1.93	0.62
2015	1.50	1.64	n/a

*Bank nonperforming loans to total gross loans are the value of nonperforming loans divided by the total value of the loan portfolio (including nonperforming loans before the deduction of specific loan-loss provisions).

Source

World Bank

Bank Nonperforming Loans



6-6

Size and Composition of Local Currency Bond Markets

		Q1 2015		Q4 2015		Q1 2016	
		Amount (Billion \$)	% Share	Amount (Billion \$)	% Share	Amount (Billion \$)	% Share
China	Government	3,370	63.8	4,067	66.1	4,306	66.2
	Corporate	1,909	36.2	2,083	33.9	2,199	33.8
	Total	5,279	100.0	6,150	100.0	6,505	100
Japan	Government	8,326	92.5	8,274	92.7	9,148	92.9
	Corporate	674	7.5	656	7.3	694	7.1
	Total	9,000	100.0	8,931	100.0	9,842	100.0
ROK	Government	712	41.6	700	40.7	734	41.1
	Corporate	1,001	58.4	1,020	59.3	1,054	58.9
	Total	1,712	100.0	1,720	100.0	1,788	100.0

Growth Rate (LCY-base %)					
		Q1 2015		Q1 2016	
		q-o-q	y-o-y	q-o-q	y-o-y
China	Government	1.0	10.0	5.2	33.0
	Corporate	2.7	15.7	4.9	19.9
	Total	1.6	12.0	5.1	28.3
Japan	Government	0.7	2.7	3.5	3.0
	Corporate	-0.5	-1.1	-0.9	-3.5
	Total	0.6	2.4	3.2	2.5
ROK	Government	3.2	16.7	2.1	6.3
	Corporate	1.6	3.0	0.5	8.5
	Total	2.3	8.3	1.2	7.6

Growth Rate (USD-base %)					
		Q1 2015		Q1 2016	
		q-o-q	y-o-y	q-o-q	y-o-y
China	Government	1.1	10.3	5.9	27.8
	Corporate	2.8	16.0	5.5	15.2
	Total	1.7	12.3	5.8	23.2
Japan	Government	0.4	-11.8	10.6	9.9
	Corporate	-0.8	-15.0	5.8	3.0
	Total	0.3	-12.0	10.2	9.4
ROK	Government	1.5	12.0	5.0	3.2
	Corporate	-0.1	-1.1	3.3	5.3
	Total	0.6	3.9	4.0	4.4

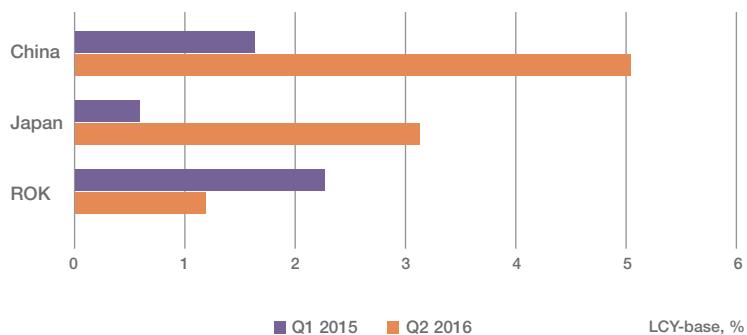
* China: CSI300, Japan: NIKKEI225, ROK: KOSPI

** Growth rates are calculated from local currency

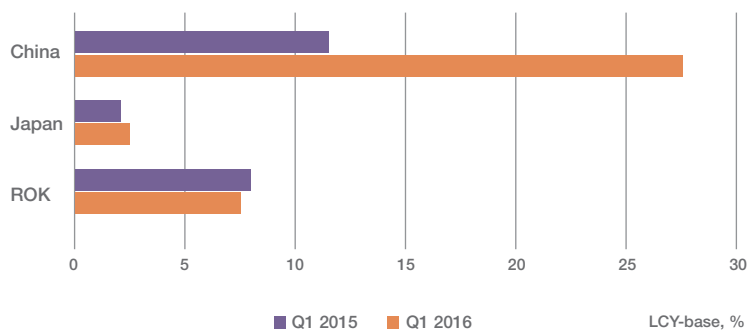
Source

Asian Development Bank

Growth of Local Currency Bond Market(q-o-q)



Growth of Local Currency Bond Market(y-o-y)



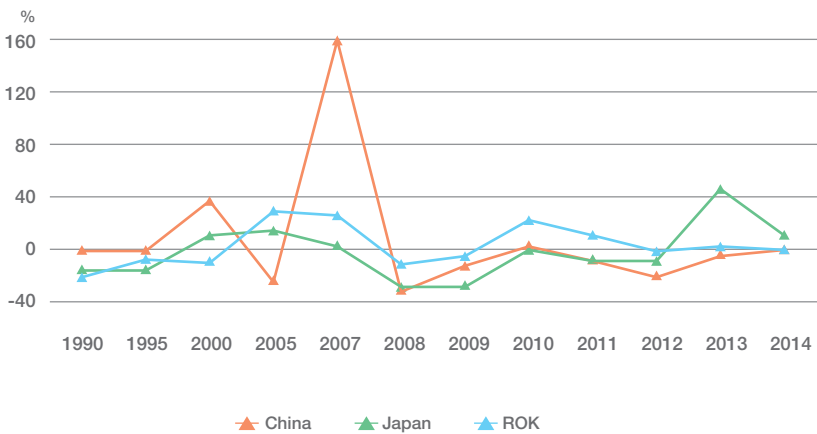
6-7

Growth Rates of Stock Market Price Index

Unit: %

	China	Japan	ROK
1990	-	-15.5	-18.7
1995	-0.5	-13.7	-4.8
2000	37.3	11.6	-8.7
2005	-22.1	13.5	28.5
2007	161.1	2.3	26.7
2008	-27.7	-28.6	-10.6
2009	-10.2	-26.9	-7.0
2010	3.4	2.0	23.6
2011	-5.7	-7.2	12.6
2012	-16.8	-6.5	-2.6
2013	-1.1	46.0	1.5
2014	1.5	12.6	1.1
Source	Asian Development Bank		

Growth Rates of Stock Market Price Index



Transport and

Communications

7

- 7-1.** Air Transport
- 7-2.** Container Port Traffic
- 7-3.** Rail
- 7-4.** Logistics Performance Index (LPI)
- 7-5.** Telecommunications Penetration Rates

7-1 Air Transport

Unit: Million Ton-km

Freight			
	China	Japan	ROK
1999	3,295	8,226	8,098
2009	11,976	10,486	15,163
2010	17,194	7,699	12,943
2011	16,765	6,546	12,382
2012	15,569	7,046	12,291
2013	16,054	7,716	11,113
2014	17,823	8,662	11,125
2015	19,806	8,869	11,297

* Air freight is the volume of freight, express, and diplomatic bags carried on each flight stage (operation of an aircraft from takeoff to its next landing), measured in metric tons times kilometers traveled.

Unit: Persons

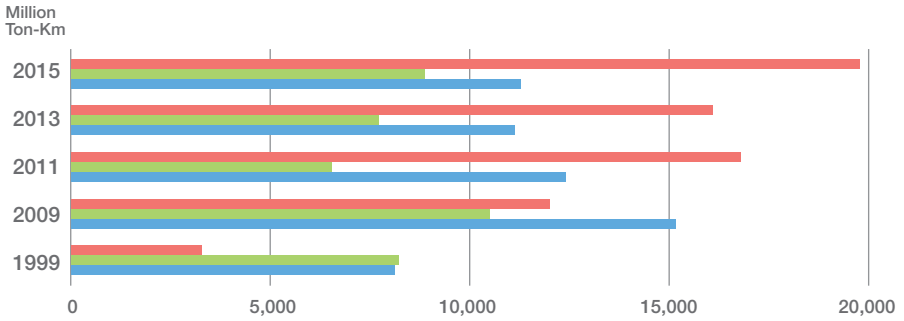
Passengers Carried			
	China	Japan	ROK
1999	55,853,100	105,994,496	30,870,200
2009	229,062,099	86,896,527	34,168,590
2010	266,293,020	109,617,021	36,987,982
2011	292,160,158	89,788,818	39,911,750
2012	318,475,924	98,907,859	39,969,577
2013	352,795,296	107,573,000	54,530,105
2014	390,878,784	110,547,000	58,289,180
2015	436,183,969	113,762,000	65,482,307

Unit: Number

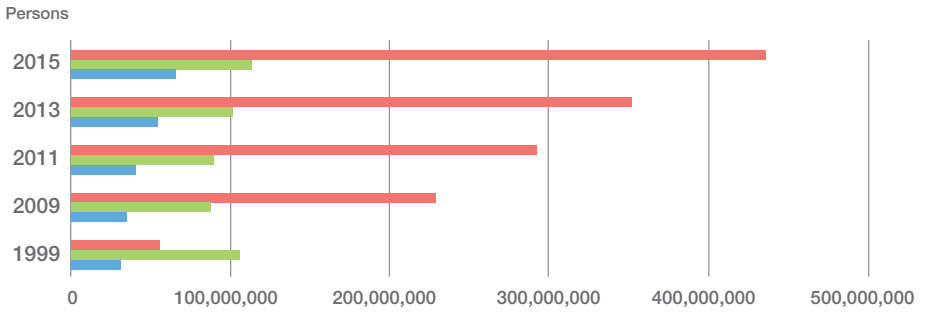
Registered Carrier Departures Worldwide			
	China	Japan	ROK
1999	547,800	661,800	204,000
2009	2,140,124	641,913	256,160
2010	2,377,789	934,487	280,427
2011	2,538,667	812,928	282,239
2012	2,779,741	874,677	285,000
2013	3,073,450	915,543	360,356
2014	3,356,756	927,666	368,132
2015	3,616,026	953,258	392,926

* Registered carrier departures worldwide are domestic takeoffs and takeoffs abroad of air carriers registered in the country.

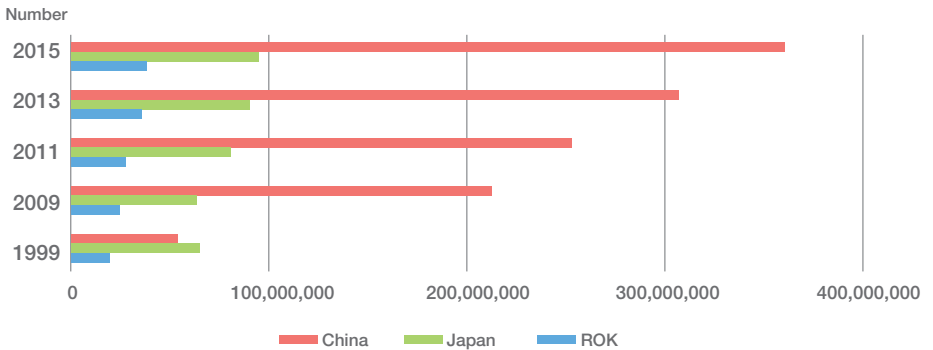
Air Transport: Freight



Air Transport: Passengers Carried



Air Transport: Registered Carrier Departures Worldwide



7-2 Container Port Traffic

Unit: TEU (20 Foot Equivalent Units)

	China	Japan	ROK
2005	67,245,263	17,055,082	15,113,275
2006	84,810,503	18,469,710	15,513,935
2007	103,823,024	19,164,522	17,086,133
2008	115,941,970	18,943,606	17,417,723
2009	108,799,934	16,285,918	15,699,663
2010	130,290,443	18,098,346	18,542,804
2011	144,641,878	19,422,156	20,833,508
2012	161,318,524	20,115,479	21,609,746
2013	170,858,775	20,485,882	22,588,400
2014	181,635,245	20,744,461	23,796,846

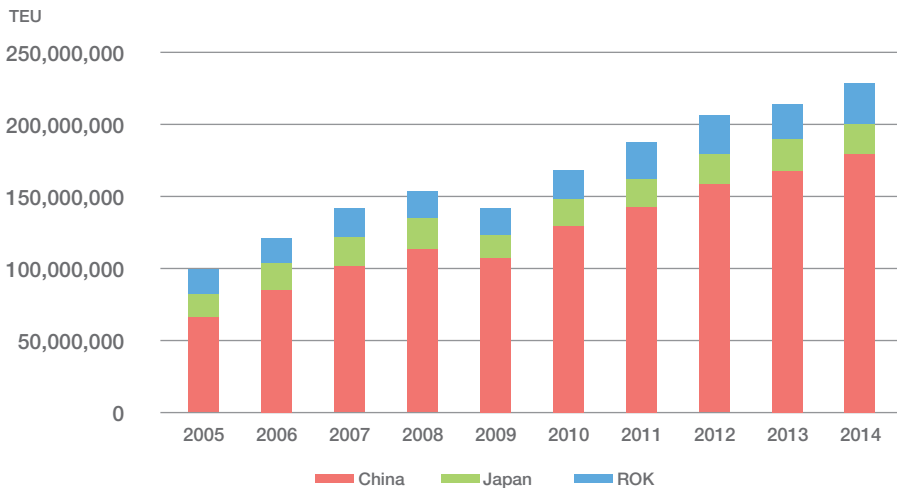
* Port container traffic measures the flow of containers from land to sea transport modes and vice versa.

** TEU is a unit of cargo capacity based on the volume of a 20-foot-long (6.1m) intermodal container.

Source

World Bank

Container Port Traffic



7-3 Rail

	Rail Lines (Total Route-km)			Passengers Carried (Million Passenger-km)			Goods Transported (Million Ton-km)		
	China	Japan	ROK	China	Japan	ROK	China	Japan	ROK
2005	62,200	20,096	3,392	583,320	239,246	31,004	1,934,612	21,900	10,108
2006	63,412	20,050	3,392	635,327	249,029	31,416	2,055,716	23,014	10,554
2007	63,637	20,050	3,399	689,618	252,579	31,596	2,211,246	23,145	10,927
2008	60,809	20,048	3,381	772,834	255,865	32,025	2,511,804	23,032	11,566
2009	65,491	20,036	3,378	787,890	253,555	31,298	2,523,917	22,100	9,273
2010	66,239	20,035	3,379	791,158	244,235	33,027	2,451,185	20,432	9,452
2011	66,050	20,140	3,637	815,699	244,591	21,603	2,562,635	20,255	9,996
2012	66,298	20,140	3,650	795,639	244,591	21,603	2,518,310	20,255	9,996
2013	66,298	20,140	3,650	795,639	244,591	22,626	2,518,310	20,255	10,459
2014	66,989	-	3,648	807,065	260,014	22,626	2,308,669	20,255	10,459

* Total road network includes motorways, highways, and main or national roads, secondary or regional roads, and all other roads in a country. A motorway is a road designed and built for motor traffic that separates the traffic flowing in opposite directions.

** Rail lines are the length of railway route available for train service, irrespective of the number of parallel tracks.

Source

World Bank

7-4 Logistics Performance Index (LPI)

Unit: Score

China							
	Overall LPI (Rank of World)	Customs	Infrastructure	International Shipments	Logistics Quality and Competence	Tracking and Tracing	Timeliness
2007	3.32 (30)	2.99	3.20	3.31	3.40	3.37	3.68
2010	3.49 (27)	3.16	3.54	3.31	3.49	3.55	3.91
2012	3.52 (26)	3.25	3.61	3.46	3.47	3.52	3.80
2014	3.53 (28)	3.21	3.67	3.50	3.46	3.50	3.87
2016	3.66 (27)	3.32	3.75	3.70	3.62	3.68	3.90
Japan							
	Overall LPI (Rank of World)	Customs	Infrastructure	International Shipments	Logistics Quality and Competence	Tracking and Tracing	Timeliness
2007	4.02 (6)	3.79	4.11	3.77	4.12	4.08	4.34
2010	3.97 (7)	3.79	4.19	3.55	4.00	4.13	4.26
2012	3.93 (8)	3.72	4.11	3.61	3.97	4.03	4.21
2014	3.91 (10)	3.78	4.16	3.52	3.93	3.95	4.24
2016	3.97 (12)	3.85	4.10	3.69	3.99	4.03	4.21
ROK							
	Overall LPI (Rank of World)	Customs	Infrastructure	International Shipments	Logistics Quality and Competence	Tracking and Tracing	Timeliness
2007	3.52 (25)	3.22	3.44	3.44	3.63	3.56	3.86
2010	3.64 (23)	3.33	3.62	3.47	3.64	3.83	3.97
2012	3.70 (21)	3.42	3.74	3.67	3.65	3.68	4.02
2014	3.67 (21)	3.47	3.79	3.44	3.66	3.69	4.00
2016	3.72 (24)	3.45	3.79	3.58	3.69	3.78	4.03

* The Logistics Performance Index (LPI) reflects assessments of a country's logistics based on efficiency of the customs clearance process, quality of trade- and transport-related infrastructure, ease of arranging competitively priced shipments, quality of logistics services, ability to track and trace consignments, and frequency with which shipments reach the consignee within the scheduled time. The index ranges from 1 to 5, with higher score representing better performance.

Source

World Bank

7-5

Telecommunications Penetration Rates

Unit: Per Hundred Persons

	Telephone Lines			Cell phone Subscriptions			Internet Users		
	China	Japan	ROK	China	Japan	ROK	China	Japan	ROK
1999	8.54	49.45	56.01	3.40	45.30	51.25	0.71	21.39	23.55
2005	26.59	45.72	50.83	29.84	75.98	81.52	8.52	66.92	73.50
2006	27.73	44.07	47.43	34.77	78.52	85.00	10.52	68.69	78.10
2007	27.40	40.26	48.36	41.02	84.35	93.27	16.00	74.30	78.80
2008	25.35	38.04	50.88	47.76	86.71	95.28	22.60	75.40	81.00
2009	23.22	52.45	55.84	55.30	91.32	99.54	28.90	78.00	81.60
2010	21.65	51.53	58.91	63.17	96.81	104.77	34.30	78.21	83.70
2011	20.84	50.79	60.47	72.07	104.27	107.74	38.30	79.05	83.76
2012	20.20	50.47	61.42	80.76	110.91	109.43	42.30	79.50	84.07
2013	19.27	47.99	61.57	88.71	116.32	111.00	45.80	89.71	84.77
2014	17.90	50.09	59.54	92.27	120.23	115.71	49.30	90.58	84.33

* Telephone lines are fixed telephone lines that connect a subscriber's terminal equipment to the public switched telephone network and that have a port on a telephone exchange. Integrated services digital network channels and fixed wireless subscribers are included.

** Mobile cellular telephone subscriptions are subscriptions to a public mobile telephone service using cellular technology, which provide access to the public switched telephone network. Post-paid and prepaid subscriptions are included

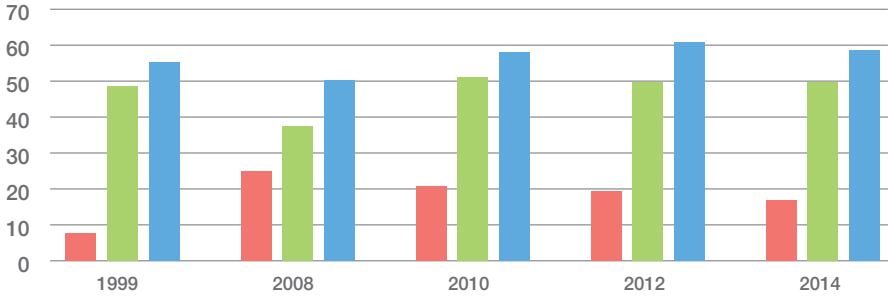
*** Internet users are people with access to the worldwide network

Source

World Bank

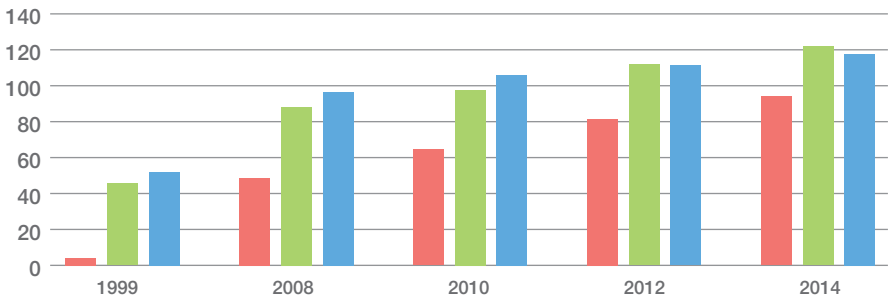
Telephone Lines

per 100 persons



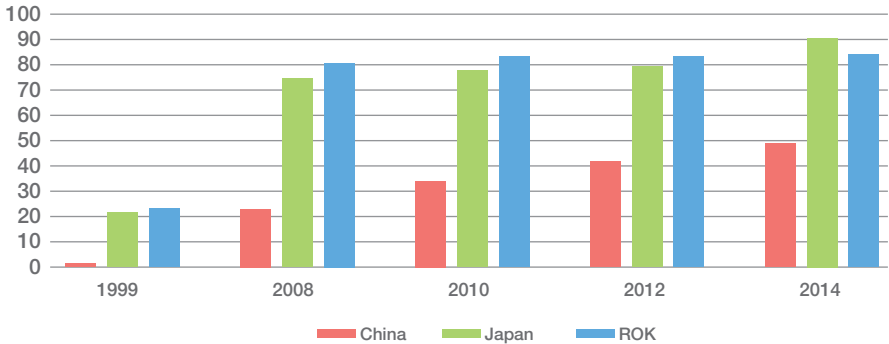
Cell phone Subscriptions

per 100 persons



Internet Users

per 100 persons



China Japan ROK

FTA



- 8-1.** FTA of the Three Countries (Negotiation Concluded)
- 8-2.** FTA of the Three Countries (Under Negotiation)
- 8-3.** FTA of the Three Countries (Under Discussion)

8-1 FTA of the Three Countries (Negotiation Concluded)

Current Situation	China (12)		
	Partner	In effect (Signed*)	Type of Agreement
Negotiation Concluded	ASEAN	Jul. 2005	FTA
	Chile	Oct. 2006	FTA
	Pakistan	Jul. 2007	FTA
	New Zealand	Oct. 2008	FTA
	Singapore	Jan. 2009	FTA
	Peru	Mar. 2010	FTA
	Costa Rica	Aug. 2011	FTA
	Iceland	Jul. 2014	FTA
	Switzerland	Jul. 2014	FTA
	ASEAN FTA Upgrade Negotiations	Nov. 2015*	FTA
	ROK	Dec. 2015	FTA
	Australia	Dec. 2015	FTA

Current Situation	Japan (16)		
	Partner	In effect(Signed*)	Type of Agreement
Negotiation Concluded	Singapore	Nov. 2002	EPA ¹
	Mexico	Apr. 2005	EPA
	Malaysia	Jul. 2006	EPA
	Chile	Sep. 2007	EPA
	Thailand	Nov. 2007	EPA
	Brunei Darussalam	Jul. 2008	EPA
	Indonesia	Jul. 2008	EPA
	ASEAN	Dec. 2008	EPA
	Philippines	Dec. 2008	EPA
	Switzerland	Sep. 2009	EPA
	Vietnam	Oct. 2009	EPA
	India	Jun. 2011	EPA
	Peru	Jan. 2012	EPA
	Australia	Jul. 2014	EPA
	Mongolia	Jun. 2016	EPA
	TPP	Feb. 2016*	EPA

Current Situation	ROK (15)		
	Partner	In effect (Signed*)	Type of Agreement
Negotiation Concluded	Chile	Apr. 2004	FTA
	Singapore	Mar. 2006	FTA
	EFTA	Sep. 2006	FTA
	ASEAN	Jun. 2007	FTA
	India	Jan. 2010	CEPA ²
	EU	Jul. 2011	FTA
	Peru	Aug. 2011	FTA
	United States	Mar. 2012	FTA
	Turkey	May. 2013	FTA
	Australia	Dec. 2014	FTA
	Canada	Jan. 2015	FTA
	New Zealand	Dec. 2015	FTA
	Vietnam	Dec. 2015	FTA
	China	Dec. 2015	FTA
	Columbia	Jul. 2016	FTA

* Signed dates

1 EPA: Economic Partnership Agreement

2 CEPA: Comprehensive Economic Partnership Agreement

Source	Ministry of Commerce of China, Ministry of Foreign Affairs of Japan, Ministry of Trade, Industry and Energy of ROK (www.fta.go.kr)
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8-2 FTA of the Three Countries (Under Negotiation)

Current Situation	China (7) *		
	Partner	Negotiation Launch	Type of Agreement
Under Negotiation	GCC	Jul. 2004	FTA
	Norway	Apr. 2007	FTA
	RCEP	Mar. 2013	FTA
	CJK	Mar. 2013	FTA
	Srilanka	Sep. 2014	FTA
	Maldives	Dec. 2015	FTA
	Georgia	Feb. 2016	FTA

Current Situation	Japan (9)		
	Partner	Negotiation Launch	Type of Agreement
Under Negotiation	ROK** (Suspended)	Oct. 2003	EPA
	GCC** (Postponed)	Sep. 2006	FTA
	RCEP	May. 2013	EPA
	EU	Apr. 2013	EPA
	CJK	Mar. 2013	FTA
	Columbia	Dec. 2012	EPA
	Canada	Nov. 2012	EPA
	ASEAN (Services and Investment chapters, substantial conclusion)		
	Turkey	Dec.2014	EPA

Current Situation	ROK (9)		
Under Negotiation	Partner	Negotiation Launch	Type of Agreement
	Japan***	Dec. 2003	FTA/EPA
	Mexico***	Dec. 2007	FTA
	GCC***	Jul. 2008	FTA
	Indonesia***	Jul. 2012	CEPA
	CJK	Mar. 2013	FTA
	RCEP	May. 2013	FTA
	Central America	Sep. 2015	FTA
	Ecuador	Jan. 2016	SECA (Strategic Economic Cooperation Agreement)
	Israel	Jun. 2016	FTA

* Indicate the date of the first negotiation.

** Suspended with ROK since 2004, with GCC since 2009.

*** Suspended with Japan since 2004, with Mexico since 2008, with GCC since 2009, and with Indonesia since 2014.

Source	Ministry of Commerce of China, Ministry of Foreign Affairs of Japan, Ministry of Trade, Industry and Energy of ROK (www.fta.go.kr)
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8-3

FTA of the Three Countries (Under Discussion)

Current Situation	China (5)		Japan (0)		ROK (2)	
	Partner	Type of Agreement	Partner	Type of Agreement	Partner	Type of Agreement
Under Discussion	India	FTA			MERCOSUR	FTA
	Columbia	FTA			Malaysia	FTA
	Moldova	FTA				
	Fiji	FTA				
	Nepal	FTA				
Source	Ministry of Commerce of China, Ministry of Foreign Affairs of Japan, Ministry of Trade, Industry and Energy of ROK (www.fta.go.kr)					

Resources and Environment

9

- 9-1.** Resources
- 9-2.** Electricity Generation Capacity
- 9-3.** Renewable Energy Financing
- 9-4.** CO2 Emission from Consumption of Energy
- 9-5.** CO2 Emission from Energy Consumption Ranking (2012)

9-1 Resources

		Unit	World	China	Japan	ROK
Land** (2013)	Forest Area	% of total land area	31	22	68	64
	Arable Land		11	11	12	15
	Agricultural Land		38	55	12	18
Water** (2014)	Renewable Freshwater	Billion cubic meters	42,801	2,813	430	65
	Renewable Freshwater per capita	Cubic meters	5,925	2,062	3,382	1,286
	Freshwater Withdrawals	Billion cubic meters (% of internal resources)	3,908.5 (9.1)	554.1 (19.7)	81.5 (18.9)	29.2 (45.0)
Coal (2012)	Total Primary Coal Production	Thousand short tons	8,687,297	4,017,920	0	2,306
Petroleum (2014)	Total Crude Oil Supply	Thousand barrels per day	93,201	4,598	137	79
Dry Natural Gas (2013)	Production	Billion cubic feet	121,283	3,986	161	18

* Latest available data

** Source: World Bank

Source

U.S. Energy Information Administration (EIA)

9-2

Electricity Generation Capacity

Unit: MW

	Marine			Geothermal			Biomass & Waste		
	China	Japan	ROK	China	Japan	ROK	China	Japan	ROK
2005	4	0	0	26	537	0	1,699	2,509	4,032
2006	4	0	0	28	537	0	2,018	2,727	4,088
2007	4	0	0	28	537	0	2,713	2,819	4,092
2008	4	0	0	28	537	0	2,454	2,999	4,094
2009	4	0	0	28	537	0	2,569	3,062	4,097
2010	4	0	1	28	537	0	5,509	3,173	4,101
2011	4	0	255	28	537	0	5,816	3,250	4,156
2012	4	0	255	28	537	0	7,940	3,266	4,560
2013	4	0	255	28	537	0	8,954	3,370	5,206
2014	4	0	255	28	537	0	10,108	3,429	5,603
2015	4	0	255	28	519	0	11,062	3,653	5,847

	Hydro			Solar			Wind		
	China	Japan	ROK	China	Japan	ROK	China	Japan	ROK
2005	110,308	20,614	1,677	18	1,712	14	264	994	49
2006	119,472	20,633	1,681	18	1,999	35	1,564	1,254	171
2007	136,210	20,690	1,681	24	2,210	82	4,866	1,507	181
2008	161,690	20,740	1,686	33	2,436	360	11,066	1,786	302
2009	184,745	20,730	1,686	130	2,920	527	25,178	2,047	343
2010	199,120	20,760	1,686	603	3,912	653	42,312	2,307	379
2011	214,603	20,760	1,717	3,222	5,208	811	60,315	2,472	404
2012	229,146	20,723	1,746	6,040	7,672	1,001	74,383	2,541	483
2013	258,910	20,700	1,736	20,237	14,764	1,561	89,458	2,608	519
2014	282,750	20,739	1,737	32,037	25,017	2,351	110,301	2,760	570
2015	296,660	20,056	1,740	50,337	36,505	3,362	139,297	2,965	794

Source: Bloomberg New Energy Finance

Unit: MW

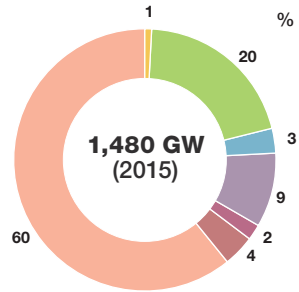
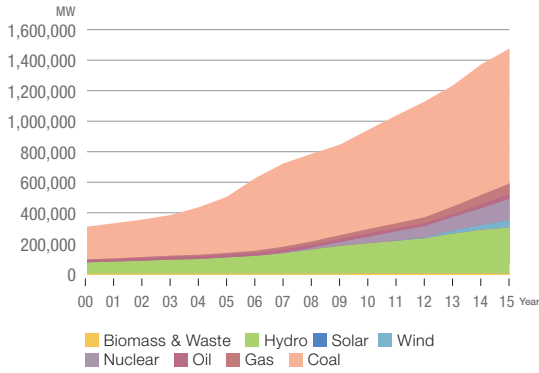
	Nuclear			Oil		
	China	Japan	ROK	China	Japan	ROK
2005	6,846	48,222	17,706	11,060	46,618	4,711
2006	6,850	49,580	17,706	11,060	45,256	4,686
2007	8,850	49,467	17,706	11,060	46,920	5,334
2008	9,078	49,315	17,706	11,060	46,590	5,340
2009	9,078	48,847	17,706	11,060	46,170	5,368
2010	10,820	45,660	17,706	11,610	46,010	5,372
2011	11,910	36,564	18,706	6,110	46,550	5,384
2012	12,570	7,984	20,697	6,110	47,800	4,888
2013	14,610	2,400	20,697	5,900	46,400	4,888
2014	20,000	0	20,716	5,120	46,200	4,255
2015	27,170	1,780	23,016	4,420	46,704	4,255

	Gas			Coal		
	China	Japan	ROK	China	Japan	ROK
2005	10,500	58,739	23,645	367,367	37,672	19,246
2006	13,880	60,063	24,748	475,050	37,364	19,797
2007	17,260	57,610	26,238	545,520	37,470	20,348
2008	20,650	60,020	26,236	574,000	37,450	22,552
2009	24,030	61,610	27,038	593,000	37,950	26,122
2010	26,680	62,530	26,859	650,110	38,870	26,673
2011	32,650	63,530	29,224	706,670	38,770	26,673
2012	38,270	66,500	30,278	758,110	39,600	26,673
2013	46,680	67,800	30,269	793,926	41,200	27,036
2014	60,000	70,760	30,269	855,690	40,600	27,036
2015	66,370	75,652	32,220	884,190	42,037	27,339

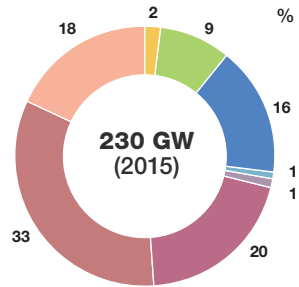
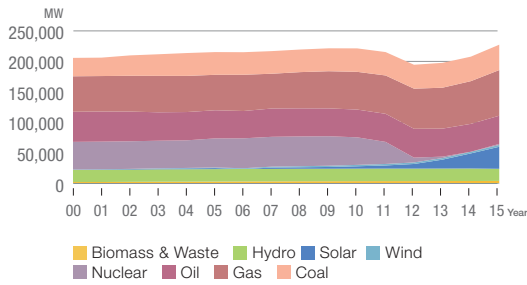
Source

Bloomberg New Energy Finance

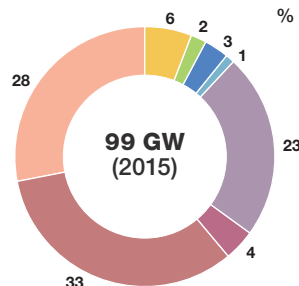
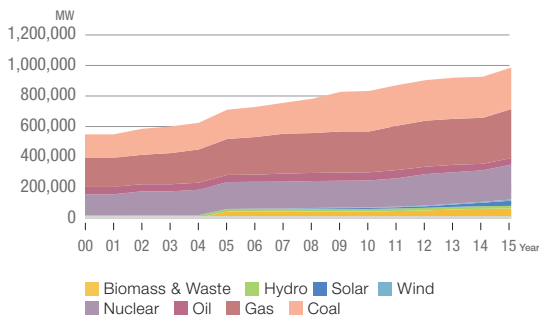
Electricity Generation Capacity: China



Electricity Generation Capacity: Japan



Electricity Generation Capacity: ROK



9-3 Renewable Energy Financing

Unit: Million \$

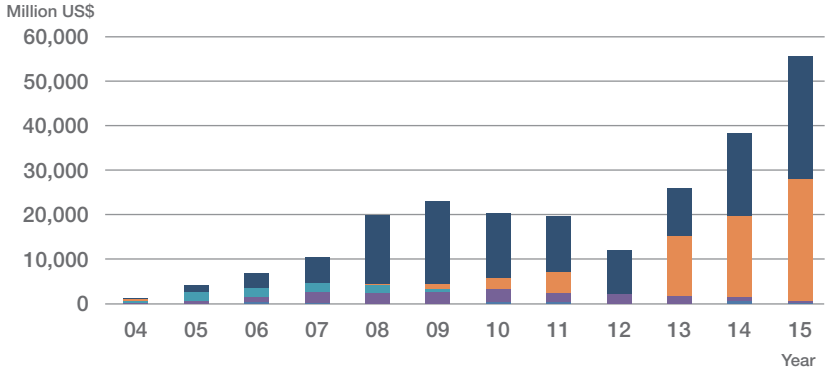
	Biofuel			Marine			Geothermal		
	China	Japan	ROK	China	Japan	ROK	China	Japan	ROK
2005	326	-	-	-	-	12	-	-	-
2006	422	10	-	81	-	-	-	-	-
2007	503	9	-	-	-	388	-	-	-
2008	145	48	32	-	-	388	-	-	-
2009	51	-	-	1	-	-	-	-	-
2010	425	-	33	-	-	-	2	4	-
2011	509	-	-	-	-	-	-	-	-
2012	-	-	13	-	-	-	-	-	-
2013	29	-	-	-	-	-	-	12	-
2014	938	-	-	-	-	-	-	-	-
2015	349	-	-	-	-	-	-	-	-

	Biomass & Waste			Small Hydro		
	China	Japan	ROK	China	Japan	ROK
2005	483	643	57	1,908	-	-
2006	1,261	219	83	2,073	-	-
2007	2,132	-	53	2,084	-	-
2008	2,574	219	62	1,455	-	-
2009	2,891	84	-	513	-	-
2010	3,113	478	218	41	-	-
2011	2,286	26	222	-	31	-
2012	2,232	-	11	-	-	-
2013	1,776	28	270	-	-	-
2014	938	701	73	-	65	-
2015	381	150	-	-	2	-

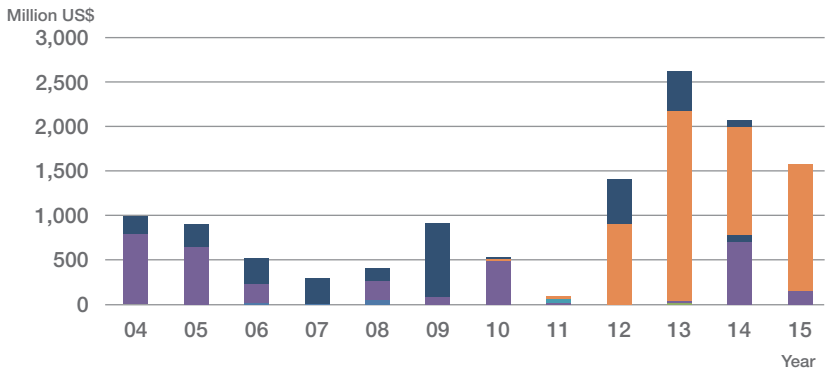
	Solar			Wind		
	China	Japan	ROK	China	Japan	ROK
2005	1	-	6	1,576	254	157
2006	1	-	249	3,243	285	107
2007	8	6	696	5,906	276	240
2008	240	-	1,335	15,661	143	161
2009	1,029	0	32	18,485	822	138
2010	2,331	28	214	14,615	18	28
2011	4,466	28	28	12,543	-	21
2012	-	899	119	9,898	494	464
2013	13,624	2,116	449	10,592	446	123
2014	18,065	1,220	74	18,455	71	336
2015	27,482	1,410	100	27,503	-	230

Source: Bloomberg New Energy Finance

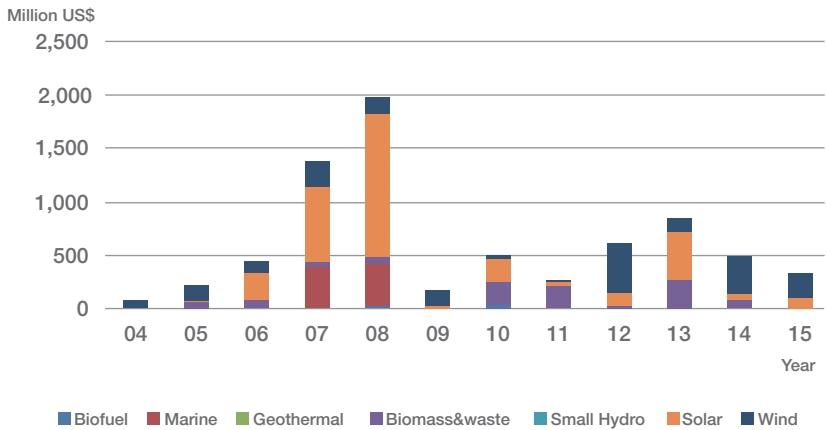
Renewable Energy Financing: China



Renewable Energy Financing: Japan



Renewable Energy Financing: ROK



■ Biofuel
 ■ Marine
 ■ Geothermal
 ■ Biomass&waste
 ■ Small Hydro
 ■ Solar
 ■ Wind

9-4

CO2 Emission from Consumption of Energy

Unit: Million Metric Tons

Total CO2 Emission from Consumption of Energy				
	World	China	Japan	ROK
2008	29,644.60	6,166.57	1,216.25	521.77
2009	29,435.62	6,816.10	1,104.91	524.44
2010	31,154.84	7,388.50	1,177.29	584.02
2011	32,154.99	8,126.69	1,200.27	650.45
2012	32,310.29	8,106.43	1,259.06	657.09

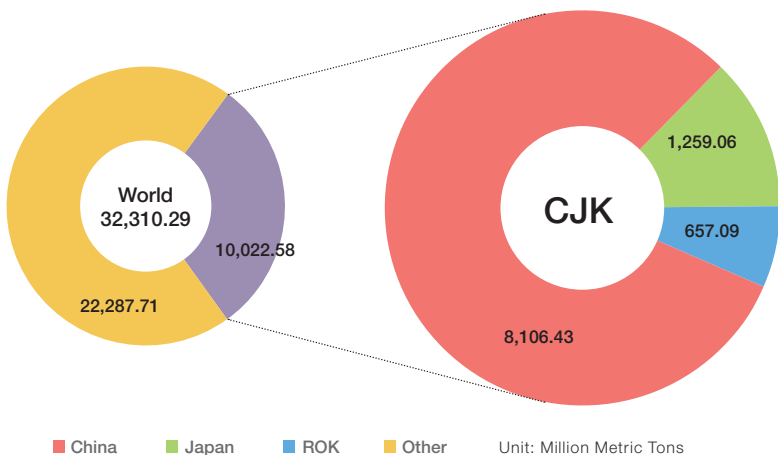
Unit: Metric Tons per Person

Per Capita CO2 Emission				
	World	China	Japan	ROK
2008	4.42	4.68	9.35	10.79
2009	4.34	5.15	8.65	10.81
2010	4.54	5.56	9.23	12.01
2011	4.63	6.08	9.42	13.34

Source

U.S. Energy Information Administration (EIA)

Total CO2 Emission 2012



9-5

CO2 Emission from Energy Consumption Ranking (2012)

Unit: Million Metric Tons

Total CO2 Emission		
	World	32,310.29
1	China	8,106.43
2	United States	5,270.42
3	India	1,830.94
4	Russia	1,781.72
5	Japan	1,259.06
6	Germany	788.32
7	ROK	657.09
8	Iran	603.59
9	Saudi Arabia	582.67
10	Canada	550.83
Source	U.S. Energy Information Administration (EIA)	



Trilateral
Cooperation
Secretariat

Movement of People 10

10-1. Tourist Arrivals

10-2. Resident Foreign Nationals among the Three Countries

10-3. Foreign Students among the Three Countries

10-4. International Marriage

10-1 Tourist Arrivals

Unit: Thousand Persons

To China*			
	World	Japan	ROK
1999	8,432	1,855	992
2009	21,938	3,318	3,198
2010	26,127	3,731	4,076
2011	27,112	3,658	4,185
2012	27,192	3,518	4,070
2013	26,290	2,878	3,969
2014	26,361	2,718	4,182
2015	25,985	2,498	4,444

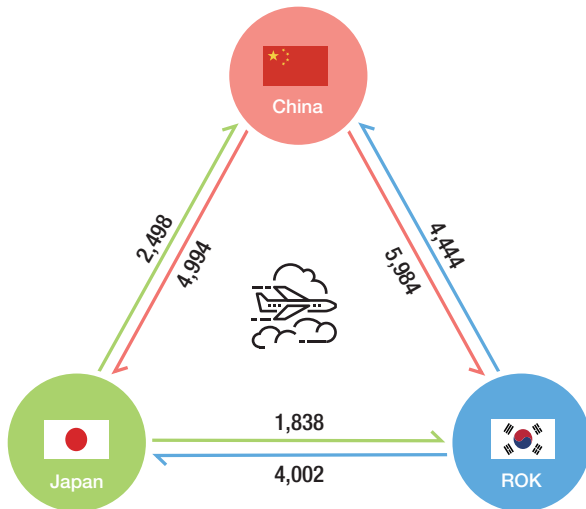
To Japan			
	World	China	ROK
1999	4,438	-	-
2009	6,790	1,006	1,587
2010	8,611	1,413	2,440
2011	6,219	1,044	1,658
2012	8,358	1,425	2,043
2013	10,364	1,315	2,456
2014	13,414	2,409	2,755
2015	19,737	4,994	4,002

To ROK			
	World	Japan	China
1999	4,660	2,184	317
2009	7,818	3,053	1,342
2010	8,798	3,023	1,875
2011	9,795	3,289	2,220
2012	11,140	3,519	2,837
2013	12,176	2,748	4,327
2014	14,202	2,280	6,127
2015	13,232	1,838	5,984

*The 2015's data is from China National Tourism Administration.

Source	National Bureau of Statistics of China, Japan National Tourism Organization, Korea Tourism Organization
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Tourist Arrivals 2015 (Thousand persons)



10-2

Resident Foreign Nationals among the Three Countries

Unit: Persons

Number of Resident Foreign Nationals						
	China ¹		Japan		ROK ²	
	Japan	ROK	China	ROK	China ³	Japan
2008	-	-	655,377	589,239	556,517	51,763
2009	-	-	680,518	578,495	555,082	47,718
2010	66,159	120,750	687,156	565,989	608,881	48,905
2011	-	-	674,879	545,401	677,954	58,169
2012	-	-	652,595	530,048	698,444	57,174
2013	-	-	649,078	519,740	778,113	56,081
2014	-	-	654,777	501,230	898,654	49,152
2015	-	-	665,847	457,772	955,871	47,909

1. The figures in 2010 are from the Census and are available every ten years.

2. The figures include foreign students and the short time residents.

3. The figures of Chinese in ROK include Korean-Chinese as well as oversea Chinese

Source

National Bureau of Statistics of China, Statistics of Foreign Registration, Ministry of Justice of Japan, Statistics Bureau of Japan, 'KIS Statistics', Korea Immigration Service (KIS)

10-3 Foreign Students among the Three Countries

Unit: Persons

Number of Foreign Students						
	In China		In Japan		In ROK	
	Japanese	Korean	Chinese	Korean	Chinese	Japanese
2008	16,733	66,806	72,766	18,862	42,102	1,586
2009	-	-	79,082	19,605	60,282	1,819
2010	16,808	64,957	86,173	20,202	63,097	1,625
2011	17,961	62,442	87,533	17,640	66,422	1,744
2012	21,126	63,488	86,324	16,651	64,494	2,059
2013	-	-	81,884	15,304	58,573	2,324
2014	15,057	62,923	94,399	15,777	53,478	2,164
2015	14,085	66,672	94,111	15,279	53,877	2,123

Unit: %

% of Total Foreign Students						
	In China		In Japan		In ROK	
	Japanese	Korean	Chinese	Korean	Chinese	Japanese
2008	7.5	29.9	58.8	15.2	74.8	2.8
2009	-	-	59.6	14.8	78.0	2.4
2010	6.3	23.7	60.8	14.2	78.2	2.0
2011	6.1	21.3	63.4	12.8	76.4	2.0
2012	6.4	19.3	62.7	12.1	73.9	2.4
2013	-	-	60.4	11.3	70.2	2.8
2014	4.0	16.7	51.3	8.6	66.4	2.7
2015	3.5	16.8	45.2	7.3	63.9	2.5

Source

Ministry of Education of China ,Japan Student Services Organization,
Statistics Korea (KOSIS)

10-4 International Marriage

Unit: Persons

Japan							
	Total	Japanese Male			Japanese Female		
		Female			Male		
		Foreign	China	ROK	Foreign	China	ROK
2008	36,969	28,720	12,218	4,558	8,249	1,005	2,107
2009	34,393	26,747	12,733	4,113	7,646	986	1,879
2010	30,207	22,843	10,162	3,664	7,364	910	1,982
2011	25,934	19,022	8,104	3,098	6,912	850	1,837
2012	23,657	17,198	7,166	3,004	6,459	820	1,823
2013	21,488	15,442	6,253	2,734	6,046	718	1,689
2014	21,130	14,998	6,019	2,412	6,132	776	1,701
Source	Statistics Bureau of Japan, National Institute of Population and Social Security Research						

Unit: Persons

ROK							
	Total	Korean Male			Korean Female		
		Female			Male		
		Foreign	China	Japan	Foreign	China	Japan
2008	36,204	28,163	13,203	1,162	8,041	2,101	2,743
2009	33,300	25,142	11,364	1,140	8,158	2,617	2,422
2010	34,235	26,274	9,623	1,193	7,961	2,293	2,090
2011	29,762	22,265	7,549	1,124	7,497	1,869	1,709
2012	28,325	20,637	7,036	1,309	7,688	1,997	1,582
2013	25,963	18,307	6,058	1,218	7,656	1,727	1,366
2014	23,316	16,152	5,485	1,345	7,164	1,579	1,176
2015	21,274	14,677	4,545	1,030	6,597	1,434	808

* The data of China is not available.

1. ROK includes Korean with permanent residence in Japan.

Source

Statistics Korea (KOSIS)

Others



11-1. Fortune Global 500 Enterprises

11-2. UN Peacekeeping Force

11-3. Competitiveness Index (2015)

11-4. Number of Intellectual Property Filings

11-1 Fortune Global 500 Enterprises

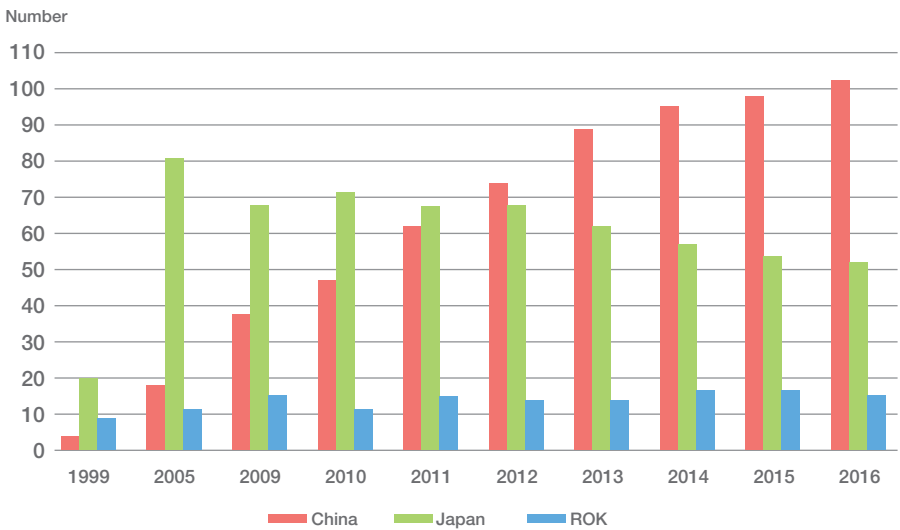
Unit: Number (% of total)

	China [*]	Japan	ROK
1999	4 (0.8)	20 (4.0)	9 (1.8)
2005	18 (3.6)	81 (16.2)	11 (2.2)
2009	38 (7.6)	68 (13.6)	15 (3.0)
2010	47 (9.4)	71 (14.2)	11 (2.2)
2011	62 (12.4)	68 (13.6)	15 (3.0)
2012	74 (14.8)	68 (13.6)	14 (2.8)
2013	89 (17.8)	62 (12.4)	14 (2.8)
2014	95 (19.0)	57 (11.4)	17 (3.4)
2015	98 (19.6)	54 (10.8)	17 (3.4)
2016	103 (20.6)	52 (10.4)	15 (3.0)

Source

Fortune Global 500

CJK Enterprises ranked in Fortune Global 500



11-2 UN Peacekeeping Force

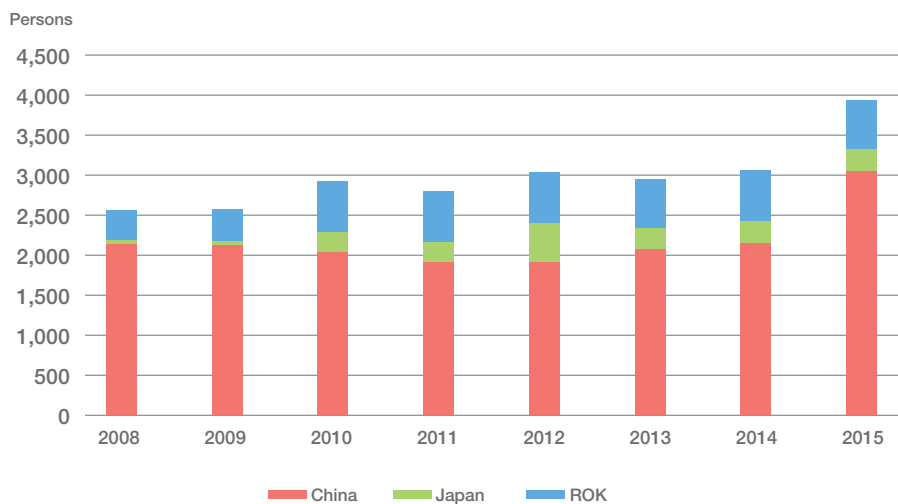
Unit: Persons (Ranking)

	China	Japan	ROK
2008	2,146 (14)	38 (80)	394 (36)
2009	2,136 (15)	39 (85)	397 (38)
2010	2,039 (15)	266 (47)	633 (43)
2011	1,924 (16)	260 (48)	634 (33)
2012	1,930 (15)	488 (38)	636 (34)
2013	2,078 (15)	270 (48)	614 (34)
2014	2,181 (13)	271 (52)	612 (38)
2015	3,045 (9)	272 (53)	627 (38)

* The data represents every December only.

Source	United Nations Peacekeeping
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UN Peacekeeping Force



11-3 Competitiveness Index (2015)

WCS (2015)		GCI (2015-2016)	
Rank	Country	Rank	Country
1	United States	1	Switzerland
2	Hong Kong, China	2	Singapore
3	Singapore	3	United States
4	Switzerland	4	Germany
5	Canada	5	Netherlands
6	Luxembourg	6	Japan
7	Norway	7	Hong Kong, China
8	Denmark	8	Finland
9	Sweden	9	Sweden
10	Germany	10	United Kingdom
22	China	26	ROK
25	ROK		
27	Japan	28	China

* World Competitiveness Scoreboard (WCS) of International Institute for Management Development (IMD) means the state capability for remaining competition in business. Global Competitiveness Index (GCI) of World Economic Forum (WEF) means the state capability for improving GDP growth rate per capita.

Source

International Institute for Management Development (IMD)
World Competitiveness Yearbook; WEF

11-4 Number of Intellectual Property Filings

Unit: Number

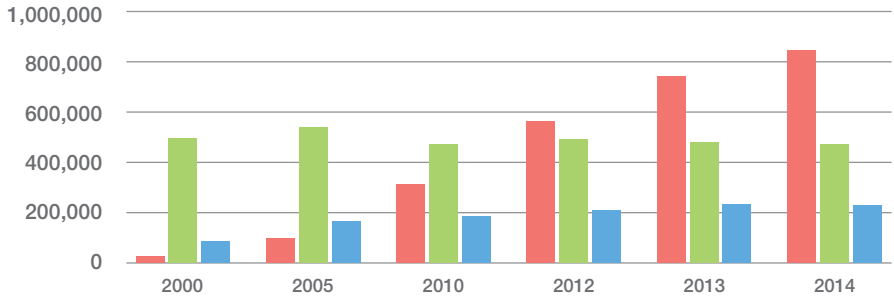
Patent			
	China	Japan	ROK
2000	26,446	490,782	85,787
2005	97,952	530,009	162,698
2010	308,326	468,417	178,654
2012	561,408	490,271	203,836
2013	734,114	473,158	223,532
2014	837,897	465,987	230,556
Trademark			
	China	Japan	ROK
2000	188,388	167,668	96,783
2005	629,561	192,407	112,442
2010	1,052,087	193,825	141,655
2012	1,606,412	222,735	161,768
2013	1,859,379	210,542	188,977
2014	2,137,369	216,175	196,434
Industrial Design			
	China	Japan	ROK
2000	46,743	42,704	33,047
2005	155,236	71,454	55,122
2010	421,418	67,587	70,100
2012	662,450	73,715	83,618
2013	668,041	71,045	95,825
2014	574,414	70,169	87,531

Notice: Intellectual Property filings include domestic filings and filings going out to other countries.

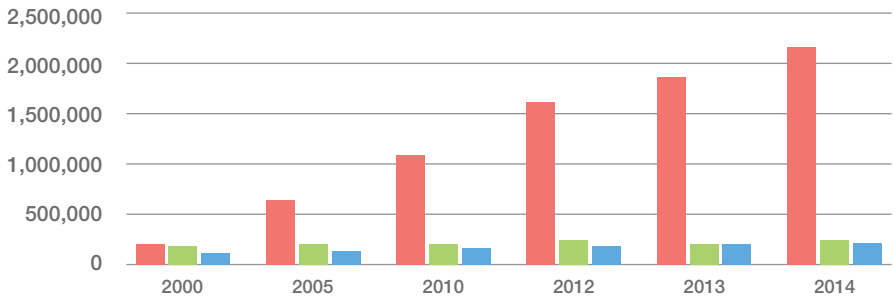
Source

World Intellectual Property Organization (WIPO)

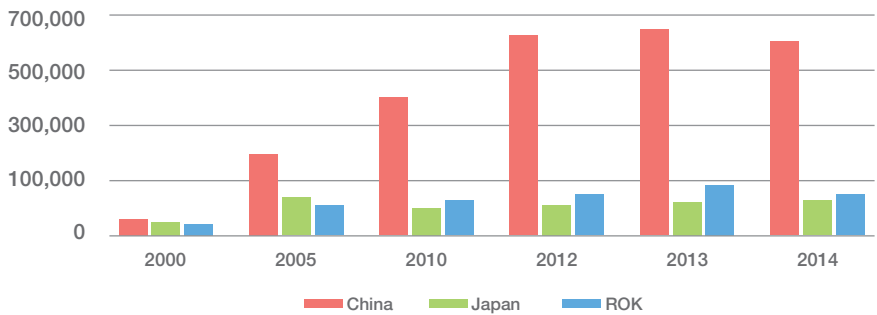
Number of Patent Filings



Number of Trademark Filings



Number of Industrial Design Filings



Pursuant to the Agreement on the Establishment of the Trilateral Cooperation Secretariat (TCS) signed by the governments of the People's Republic of China (China), Japan and the Republic of Korea (ROK), the TCS was established as an international organization in September 2011 in Seoul.

The TCS is mandated to promote cooperation and co-prosperity among the three countries. The primary mandate is to support the trilateral consultative mechanisms including providing reference to newly established mechanisms. We also aim to become the hub of the trilateral cooperation by organizing multiple projects and events. Additionally, we conduct researches, explore new initiatives and promote public understanding of the trilateral cooperation.



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