

Recent Economic and Financial Developments and Monetary Policy

Speech at a Meeting with Business Leaders in Yamanashi Prefecture (Held in Kofu)

June 10, 2015

Takehiro Sato Bank of Japan

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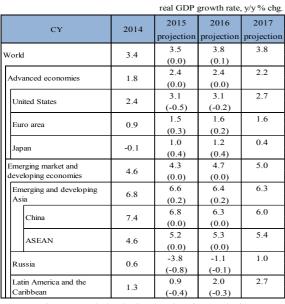
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Note: Charts are based on available data as of June 8, 2015 (2 p.m., Japan Standard Time).

Global Economic Outlook

(1) IMF Projections (as of April 2015)

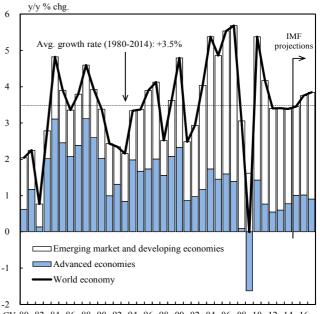
(2) Real GDP Growth Rate of the World Economy



Notes: 1. Figures are calculated using GDP based on purchasing power parity (PPP) shares of the world total from the International Monetary Fund.

2. Figures in parentheses are the difference from the January 2015 *World Economic Outlook* projections.

Source: International Monetary Fund.



CY 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 Source: International Monetary Fund.

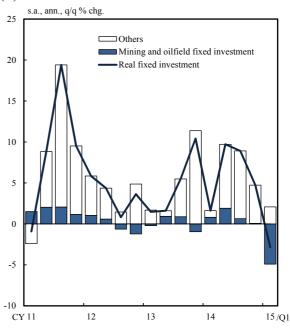
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U.S. Economy

(1) Real GDP

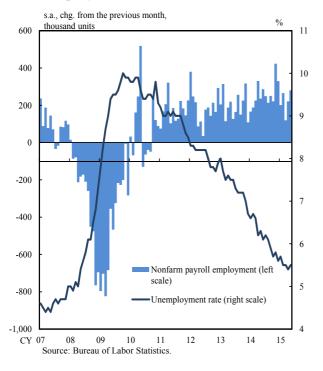
(2) Fixed Investment



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U.S. Economy (Continued)

(3) Employment



(4) Personal Consumption

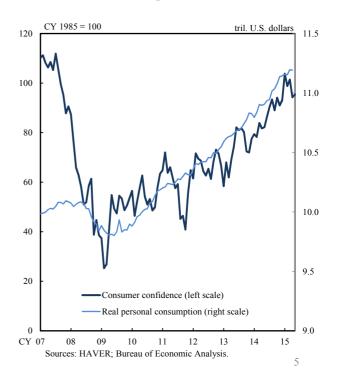
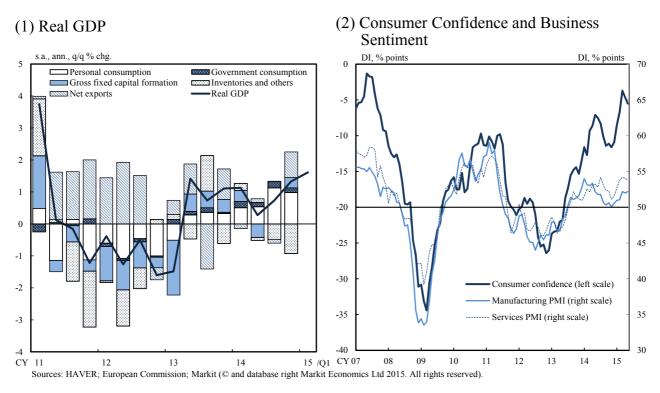


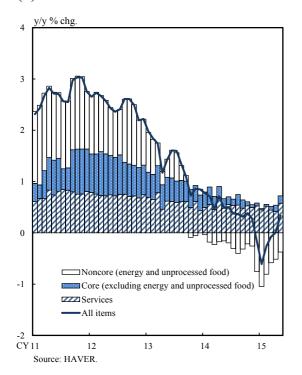
Chart 3-1

European Economy

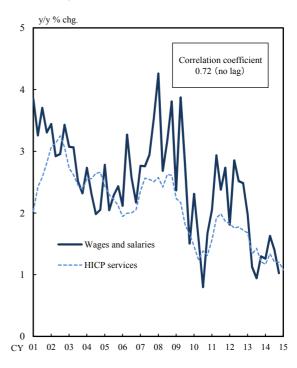


European Economy (Continued)





(4) Wages and Service Prices



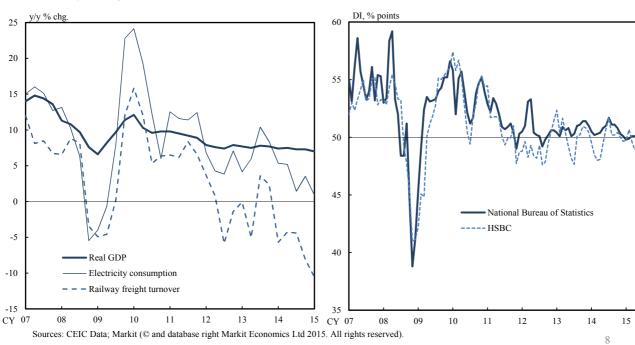
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Chart 4-1

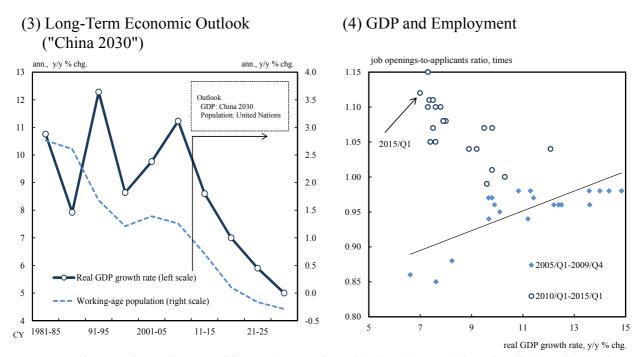
Chinese Economy

(1) Real GDP, Electricity Consumption, and Railway Freight Turnover

(2) Manufacturing PMI



Chinese Economy (Continued)

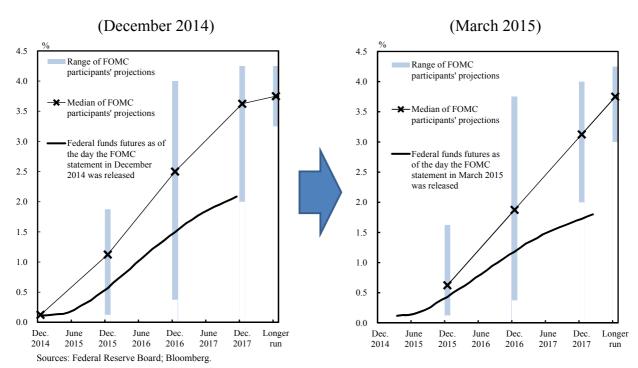


Notes: 1. "China 2030" refers to "China 2030: Building a Modern, Harmonious, and Creative High-Income Society," released by the World Bank and the Development Research Center of the State Council of the People's Republic of China in 2012.
 2. Solid line is the regression line of 2005/Q1-2009/Q4 data.

Sources: World Bank; Development Research Center of the State Council, People's Republic of China; United Nations; CEIC Data.

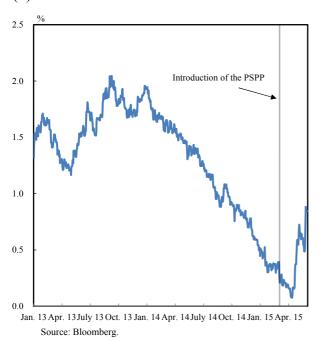
Chart 5

FOMC Participants' Projections of the Target Federal Funds Rate and Federal Funds Futures

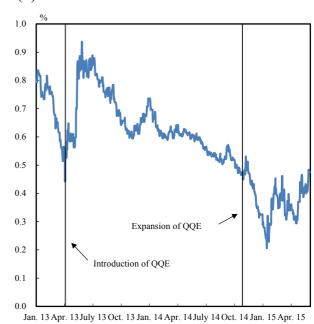


Long-Term Interest Rates of Germany and Japan

(1) 10-Year German Bund Yields



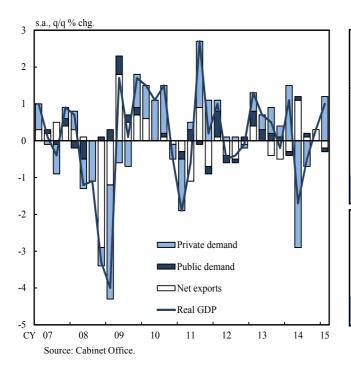
(2) 10-Year JGB Yields



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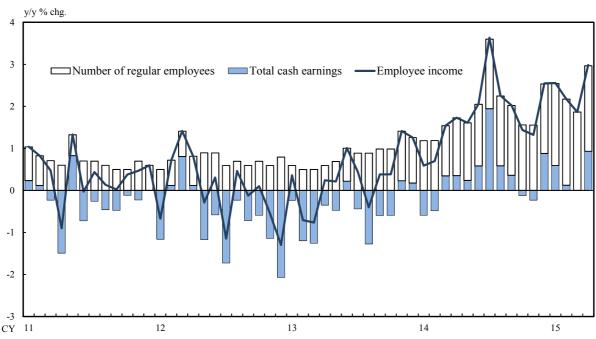
Chart 7

Japan's Economy: Real GDP



				s.a., c	q/q % chg.
		2014		2015	
		Q2	Q3	Q4	Q1
Real GDP	a	-1.7	-0.5	0.3	1.0
Inventories	b	1.3	-0.7	-0.2	0.6
Imports	c	1.1	-0.2	-0.3	-0.6
Final demand	d = a - b - c	-4.1	0.4	0.8	1.0
Real GDP	f	-1.7	-0.5	0.3	1.0
Income from /to the rest of the world	g	0.2	0.4	1.1	-0.8
Trading gains/losses	h	0.3	-0.2	0.1	1.1
Real GNI	i = f + g + h	-1.3	-0.3	1.5	1.3

Employee Income



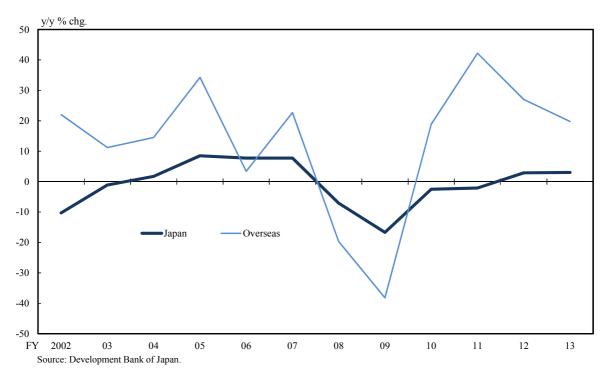
Note: Employee income is calculated as the "number of regular employees" times "total cash earnings." Figures are those for establishments with at least five employees.

Source: Ministry of Health, Labour and Welfare.

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Chart 9

Fixed Investment in Japan and Overseas



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Trend of the Forecast Yen-U.S. Dollar Rate and the Break-Even Yen-U.S. Dollar Rate

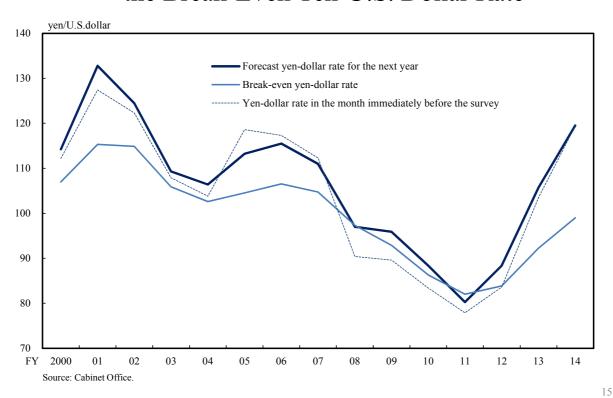
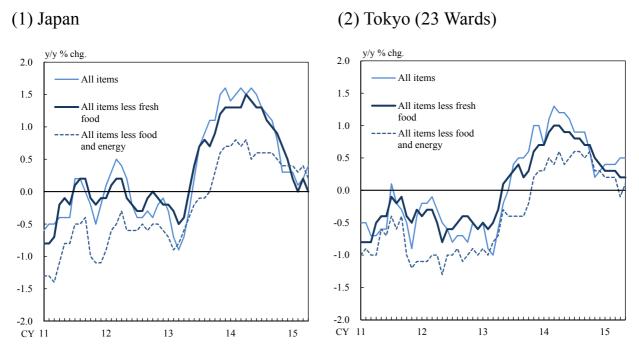


Chart 11

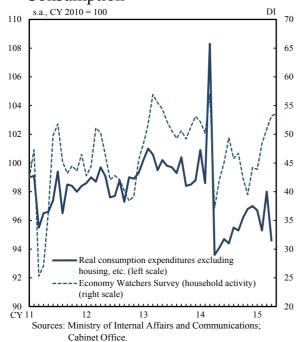
Consumer Prices



Note: Figures for April 2014 and onward are estimated after adjusting for the direct effects of the consumption tax hike. Source: Ministry of Internal Affairs and Communications.

Consumer Confidence in Relation to Private Consumption and Prices

(1) Consumer Confidence and Private Consumption



(2) Consumer Confidence and Prices

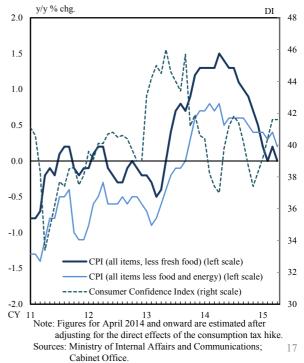
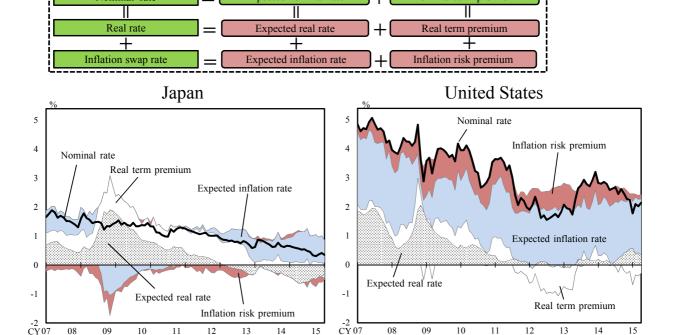


Chart 13-1

Estimates for Inflation Expectations

(1) Inflation Expectations Derived from the Nominal Rate

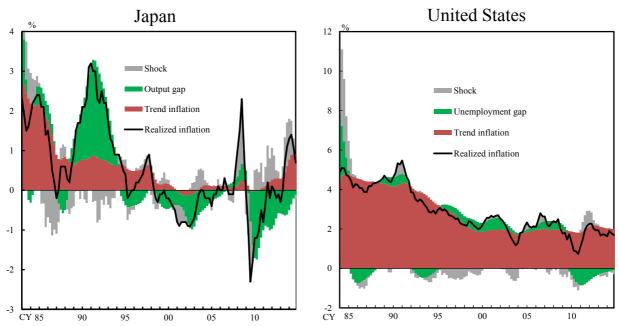


Note: For details, see Kei Imakubo and Jouchi Nakajima, "Estimating Inflation Risk Premia from Nominal and Real Yield Curves Using a Shadow-Rate Model," *Bank of Japan Working Paper Series* No. 15-E-1, April 2015.

Source: Bank of Japan.

Estimates for Inflation Expectations (Continued)

(2) Trend Inflation Estimated Using a Regime-Switching Model



Note: For details, see Sohei Kaihatsu and Jouchi Nakajima, "Has Trend Inflation Shifted? An Empirical Analysis with a Regime-Switching Model," *Bank of Japan Working Paper Series* No. 15-E-3, May 2015.

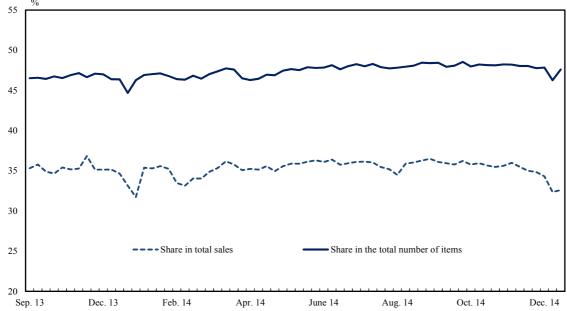
Source: Bank of Japan.

Chart 14

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SRI-Hitotsubashi Unit Value Price Index

(1) Share of New Goods in Total Sales and in the Total Number of Items

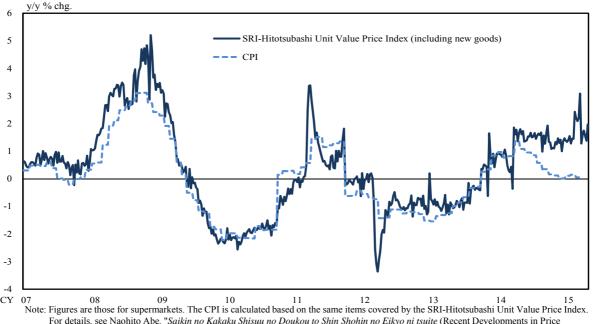


Note: For details, see Naohito Abe, "Saikin no Kakaku Shisuu no Doukou to Shin Shohin no Eikyo ni tsuite (Recent Developments in Price Indexes and Effects of New Goods)," Newsletter No. 3, the Research Center for Economic and Social Risks (RCESR), Institute of Economic Research, Hitotsubashi University, March 2015 (available in Japanese), and Naohito Abe et al., "Effects of New Goods and Product Turnover on Price Indexes," RCESR Discussion Paper Series No. DP15-2, March 2015.

Sources: Hitotsubashi University; New Supermarket Association of Japan; Intage Inc.

SRI-Hitotsubashi Unit Value Price Index (Continued)

(2) Comparison of the Unit Value Price Index Including New Goods and the CPI



Note: Figures are those for supermarkets. The CPI is calculated based on the same items covered by the SRI-Hitotsubashi Unit Value Price I For details, see Naohito Abe, "Saikin no Kakaku Shisuu no Doukou to Shin Shohin no Eikyo ni tsuite (Recent Developments in Price Indexes and Effects of New Goods)," Newsletter No. 3, the Research Center for Economic and Social Risks (RCESR), Institute of Economic Research, Hitotsubashi University, March 2015 (available in Japanese), and Naohito Abe et al., "Effects of New Goods and Product Turnover on Price Indexes," RCESR Discussion Paper Series No. DP15-2, March 2015.

Sources: Hitotsubashi University; New Supermarket Association of Japan; Intage Inc.

Chart 16

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"Outlook for Economic Activity and Prices" (April 2015)

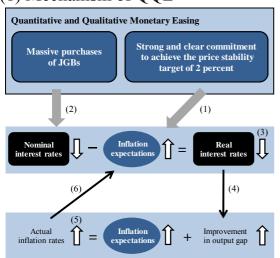
Forecasts of the Majority of Policy Board Members

CPI (all items less fresh Real GDP Excluding the effects of the food) consumption tax hikes -1.0 to -0.8 Fiscal 2014 +2.8+0.8[-0.9] -0.6 to -0.4 +2.9 to +3.2 +0.9 to +1.2 Forecasts made in January 2015 [-0.5] [+2.9][+0.9]+0.2 to +1.2 +1.5 to +2.1 Fiscal 2015 [+2.0][+0.8]+1.8 to +2.3 +0.4 to +1.3 Forecasts made in January 2015 [+2.1][+1.0]+1.4 to +1.8 +1.2 to +2.2 Fiscal 2016 [+1.5] [+2.0]+1.5 to +1.7 +1.5 to +2.3 Forecasts made in January 2015 [+2.2] [+1.6]+0.1 to +0.5 +2.7 to +3.4 +1.4 to +2.1 Fiscal 2017 [+0.2][+1.9][+3.2]

Note: Figures in brackets indicate the median of the Policy Board members' forecasts (point estimates). Source: Bank of Japan.

Effects of QQE

(1) Mechanism of QQE



(3) Downward Pressure on Long-Term Yields

Changes from the end of Mar. 2013 to the end of Dec. 2014

Increase in the amount outstanding of the Bank's JGB holdings	Increase in the share of the Bank's JGB holdings	Downward pressure on long-term yields
+110 tril. yen	+19.3 % points	-0.8 % points

Source: Bank of Japan.

(2) Nominal Interest Rates and Inflation Expectations

(Nominal Inter-	%, % points	
I. 2013/Q1	II. 2014/Q4	Difference: II - I
0.7	0.4	- 0.3

(Inflation Expectations)			%, % points
	2013/Q1	2014/Q4	Difference
	I.	II.	II - I
ESP Forecast			
1 year ahead	0.2	1.1	+ 1.0
2 to 6 years ahead	0.7	1.4	+ 0.7
7 to 11 years ahead	1.0	1.5	+ 0.5
QUICK Survey			
Over the next year	0.1	1.9	+ 1.7
Over the next 2 years	0.6	1.7	+ 1.1
Over the next 10 years	1.1	1.5	+ 0.4
BEI for inflation-indexed JGBs (10 years)	-	1.1	-
Inflation swap rate (10 years)	0.8	1.1	+ 0.2
"Tankan" (outlook for general prices)			
1 year ahead	-	1.4	-
3 years ahead	-	1.6	-
5 years ahead	-	1.7	-
Consumer Confidence Survey (1 year from now)	1.9	3.0	+ 1.2
Opinion Survey on the General Public's Views and Behavior			
From the previous year	0.2	5.0	+ 4.8

3.0

3.0

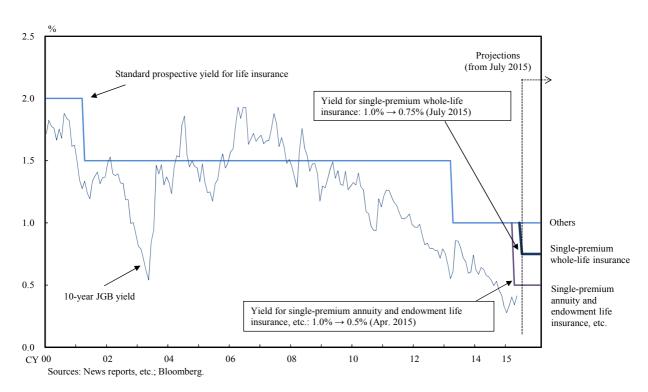
+ 0.0

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Chart 18

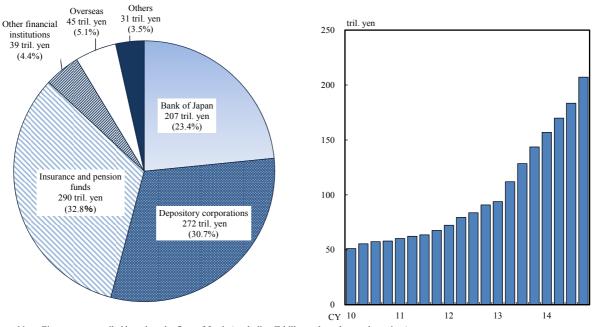
Standard Prospective Yield for Life Insurance

Over the next year



Amount Outstanding of JGBs by Type of Holder

(1) Breakdown by Type of JGB Holder (2) JGBs Held by the Bank of Japan (end of December 2014)



Note: Figures are compiled based on the flow of funds (excluding T-bills, evaluated at market prices). Source: Bank of Japan.

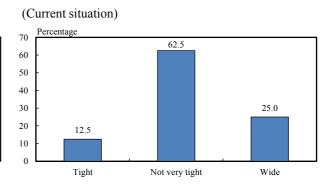
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Results of the Bond Market Survey (February 2015)

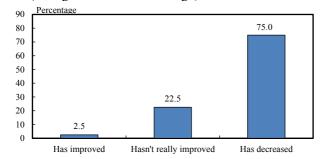
(1) Degree of Bond Market Functioning

(Current situation) Percentage 65.0 40 30 10 5.0 High Not very high Low

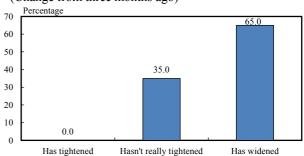
(2) Bid-Ask Spread



(Change from three months ago)

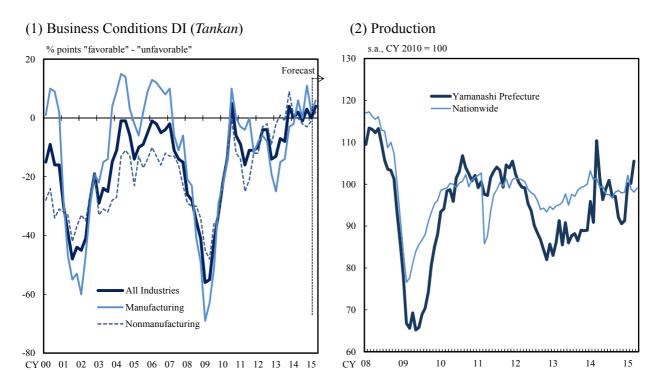


(Change from three months ago)



Source: Bank of Japan.

Economic Activity in Yamanashi Prefecture

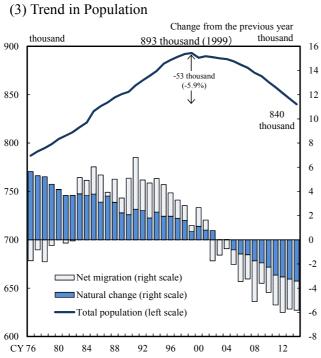


Sources: Bank of Japan; Ministry of Economy, Trade and Industry; Yamanashi Prefecture.

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Chart 21-2

Economic Activity in Yamanashi Prefecture (Continued)



(4) Number of Foreign Guests Accommodated (Preliminary Estimate for 2014)

Ranking	Prefecture	Number of Foreign Guests Accommodated	YoY	
		(thousand)	(%)	Ranking
1	Tokyo	13,453	36.8	13
2	Osaka	5,838	35.3	14
3	Hokkaido	4,035	31.4	16
4	Kyoto	3,409	29.8	17
5	Chiba	2,750	34.2	15
6	Okinawa	2,313	55.5	5
7	Aichi	1,487	29.6	18
8	Fukuoka	1,327	47.5	9
9	Kanagawa	1,321	23.8	24
10	Yamanashi	942	91.3	1

Sources: Ministry of Internal Affairs and Communications; Yamanashi Prefecture; Japan Tourism Agency.

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