

Monetary Policy Report October 2015



Chapter 1

Figure 1.1. Repo rate with uncertainty bands



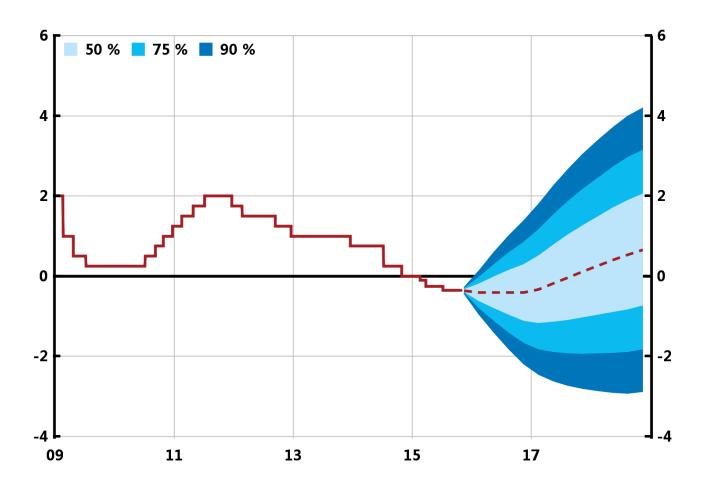


Figure 1.2. GDP with uncertainty bands



Annual percentage change, seasonally-adjusted data

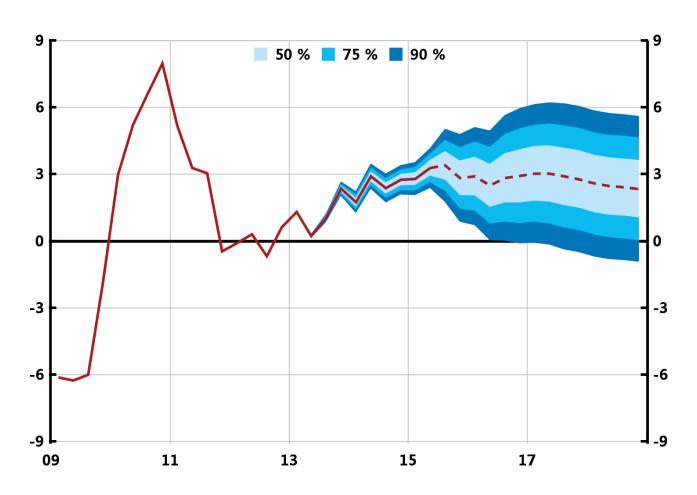


Figure 1.3. CPIF with uncertainty bands



Annual percentage change

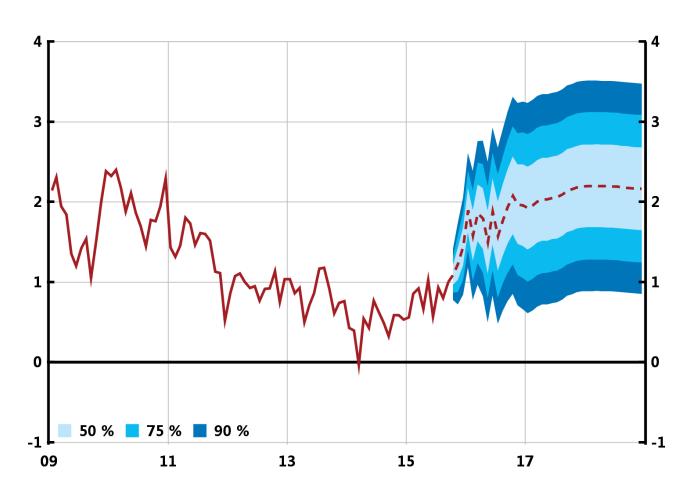


Figure 1.4. CPI with uncertainty bands



Annual percentage change

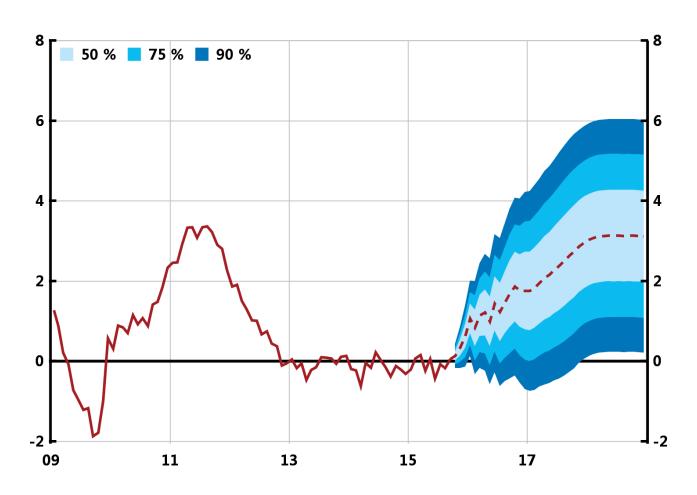


Figure 1.5. Measures of underlying inflation



Annual percentage change, three months moving average

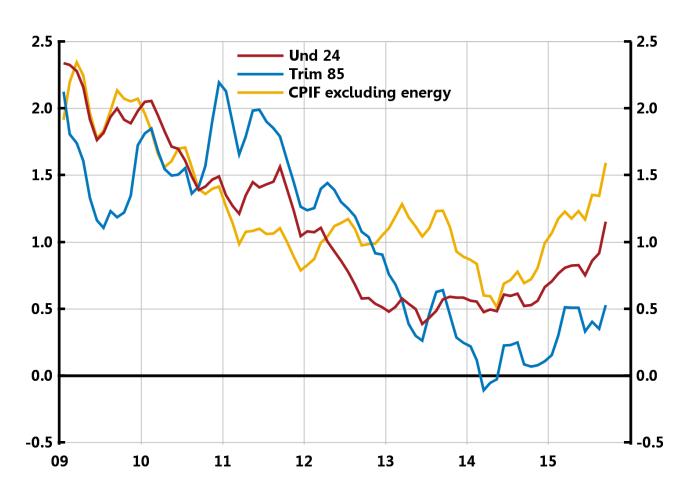


Figure 1.6. KIX-weighted nominal exchange rate

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Index, 1992-11-18 = 100

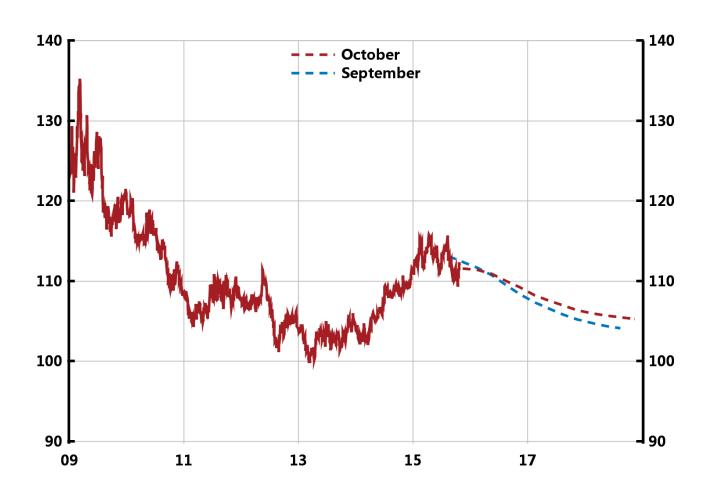




Figure 1.7. CPIF excluding energy Annual percentage change

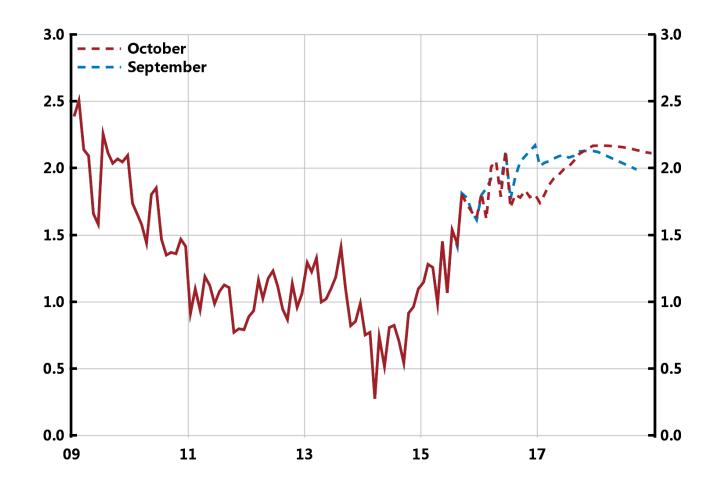




Figure 1.8. CPIF Annual percentage change

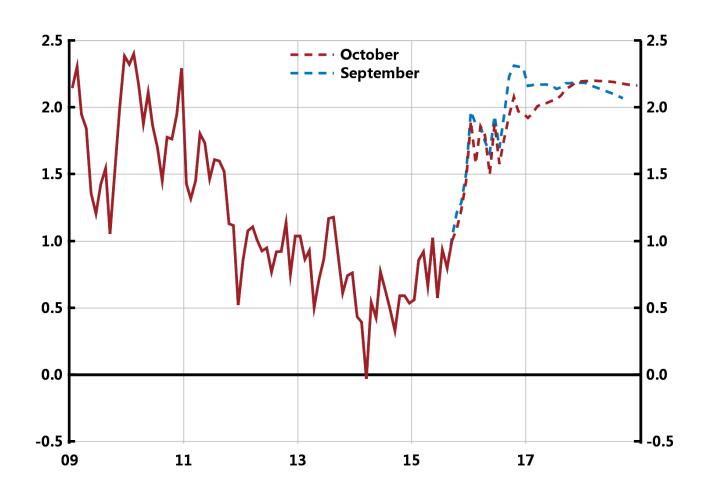




Figure 1.9. CPI Annual percentage change

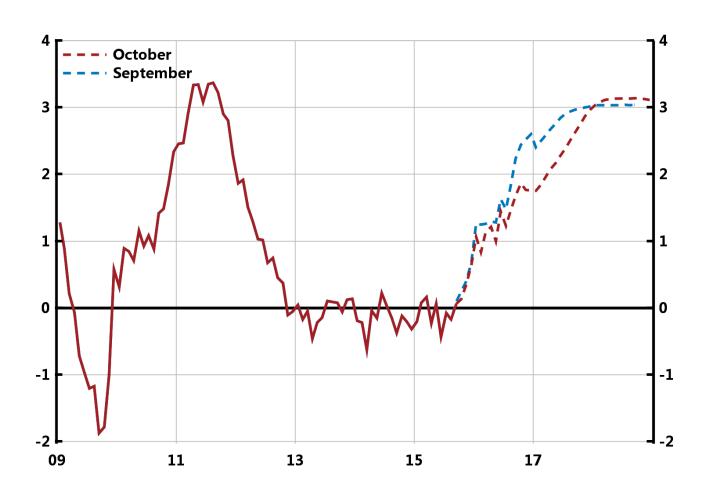


Figure 1.10. Purchases of government bonds decided by the Riksbank



SEK billion

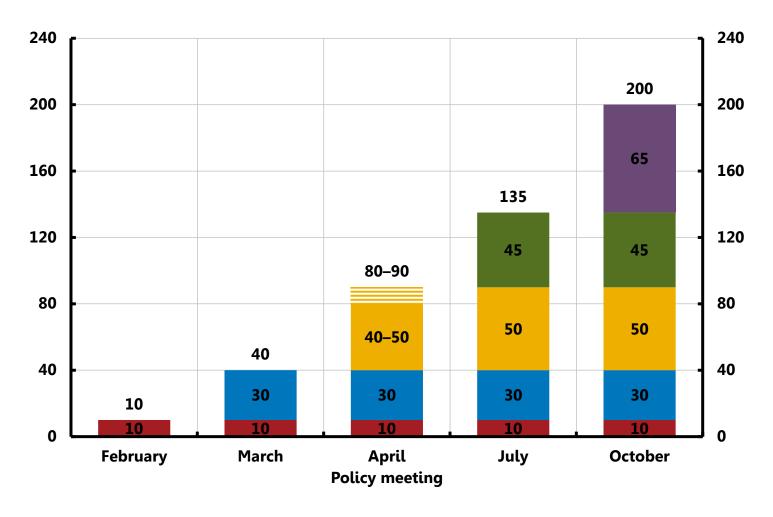




Figure 1.11. Repo rate

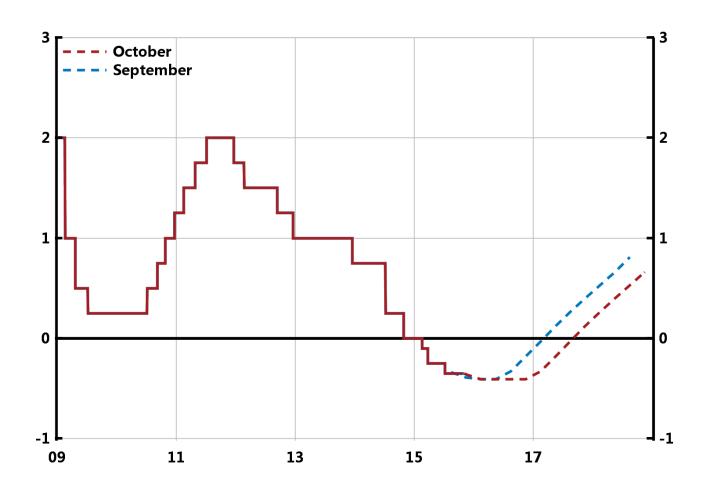




Figure 1.12. Real repo rate Per cent, quarterly averages

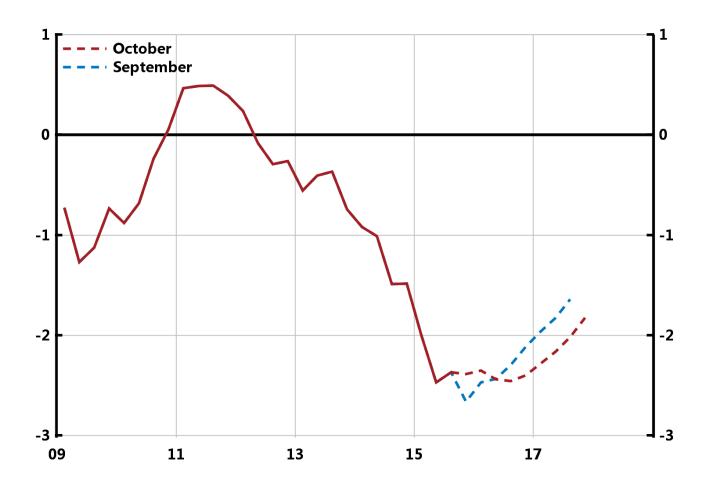




Figure 1.13. Inflation abroad KIX-weighted, annual percentage change

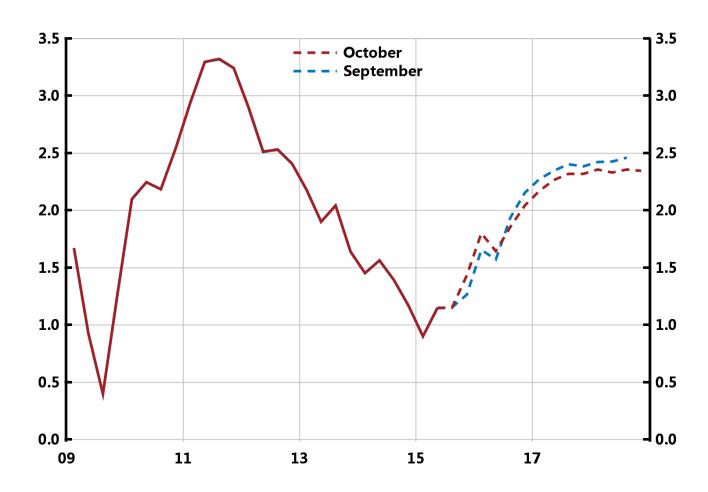




Figure 1.14. Policy rate abroad

KIX-weighted, per cent, quarterly averages

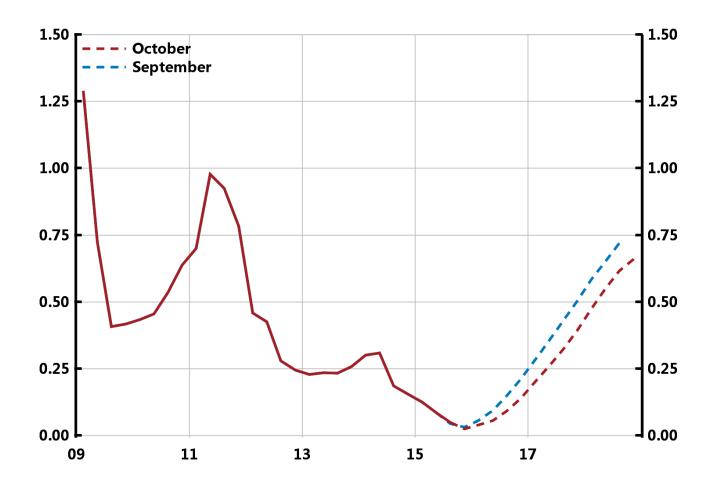


Figure 1.15. Inflation expectations among money market participants



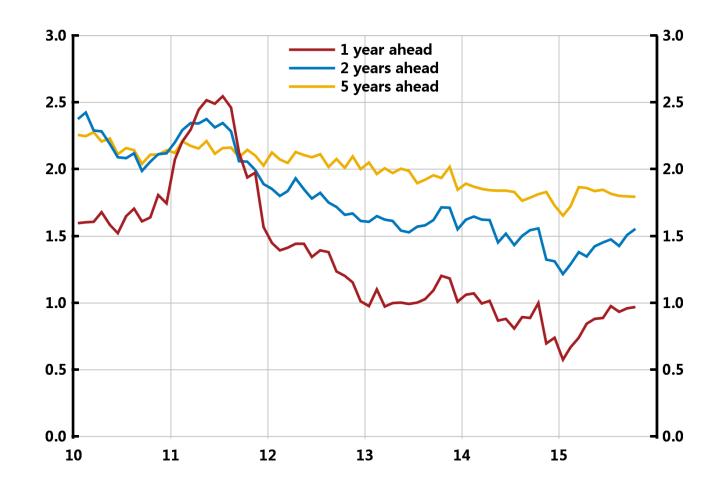




Figure 1.16. Housing prices Annual percentage change

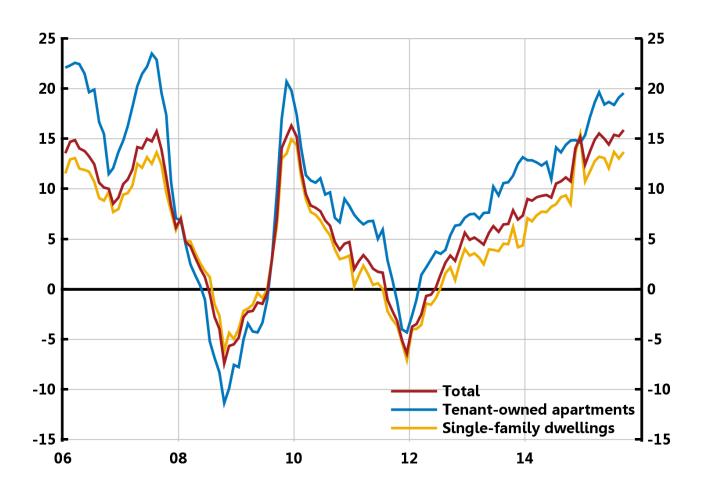
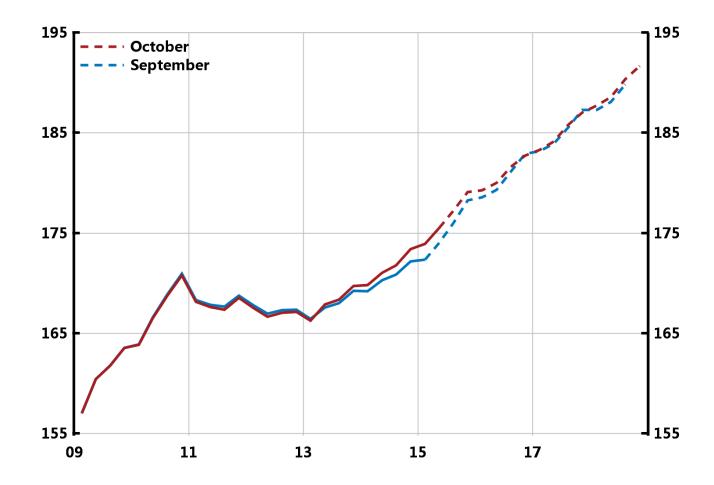




Figure 1.17. Household debt ratio

Per cent of disposable income





Chapter 2



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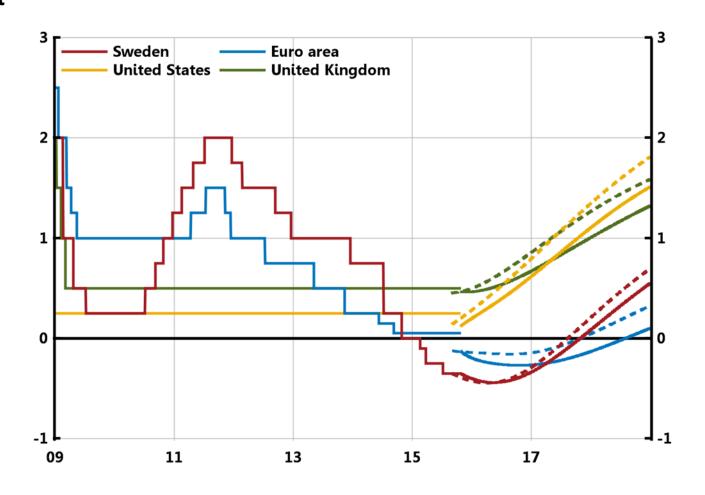


Figure 2.2. Government bond rates with 10 years left to maturity



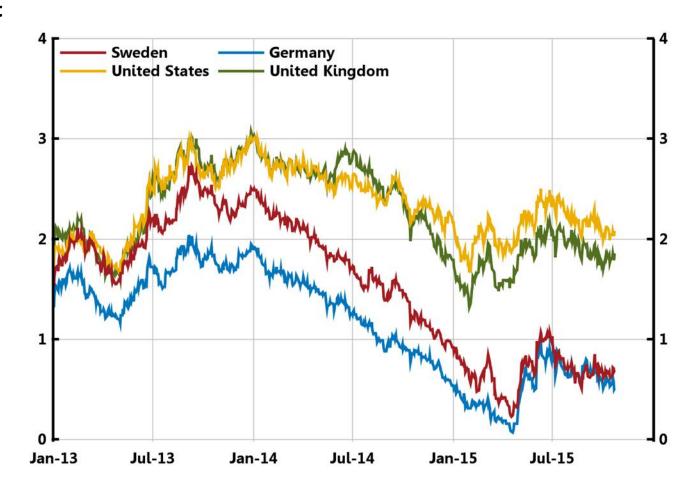


Figure 2.3. Yield curves in Sweden and Germany



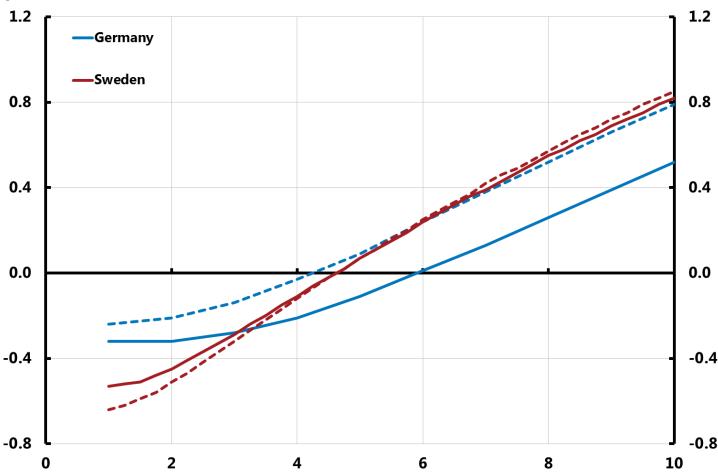


Figure 2.4. Yield differential in relation to Germany



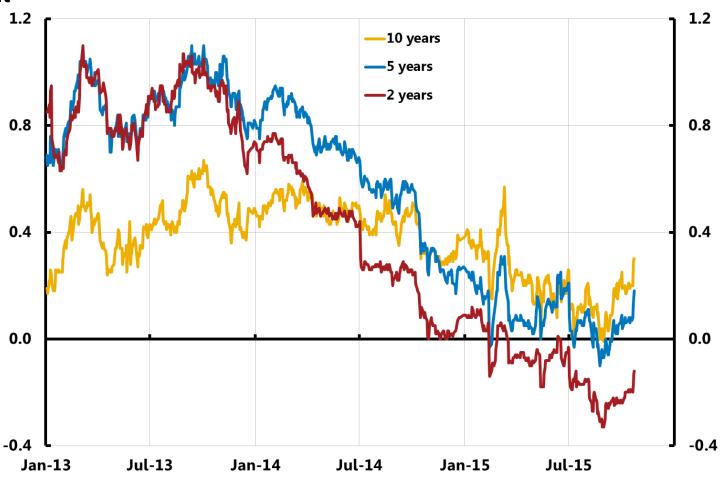


Figure 2.5. Contributions and changes to KIX exchange rates



Percentage points and per cent, respectively

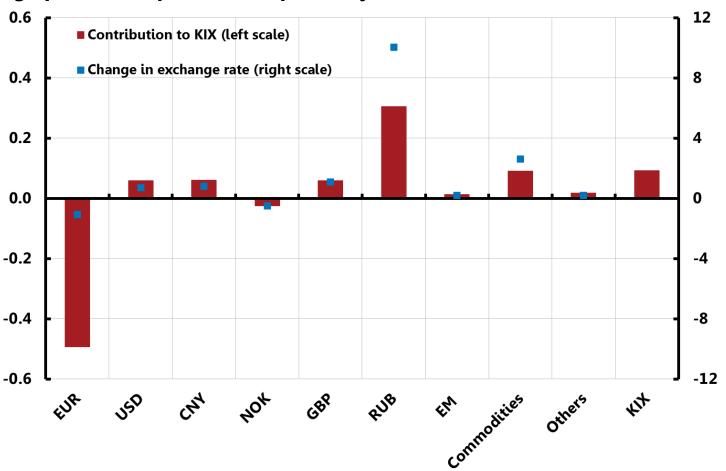


Figure 2.6. The development of the krona against the euro and the dollar



SEK per foreign currency

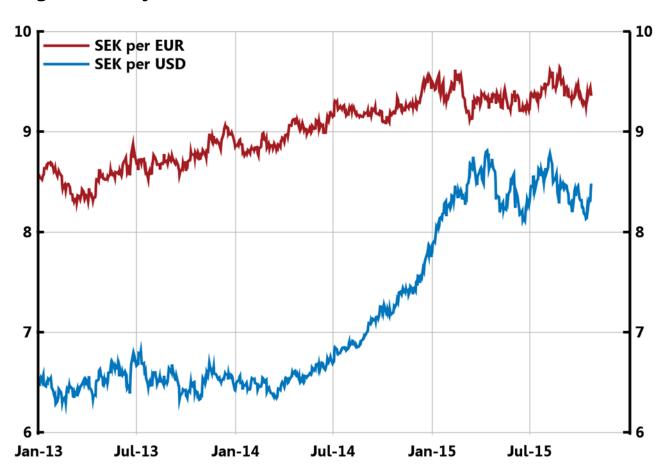


Figure 2.7. Stock market movements



Index, 3 January 2006 = 100

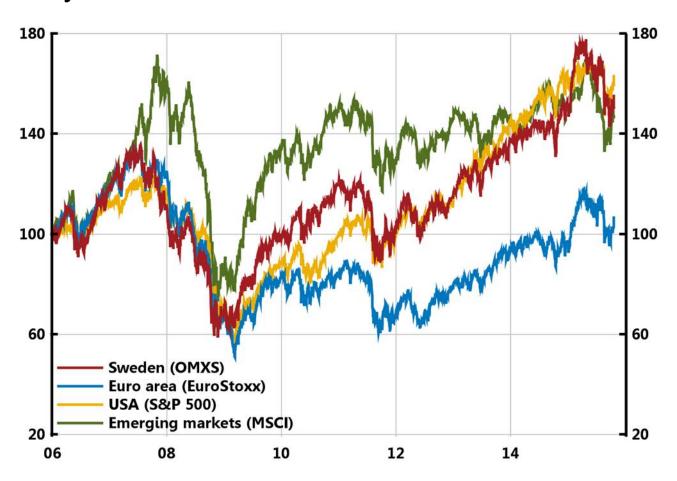
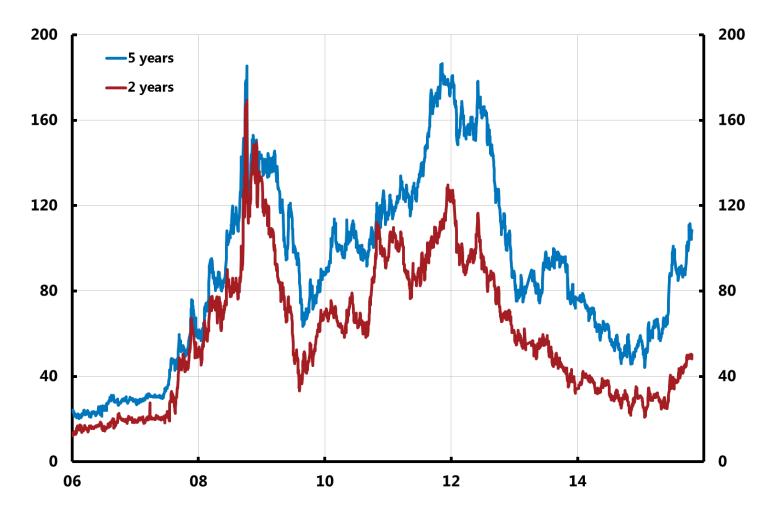


Figure 2.8. The yield differential between mortgage bond yields and government bond yields Basis points









Annual percentage change

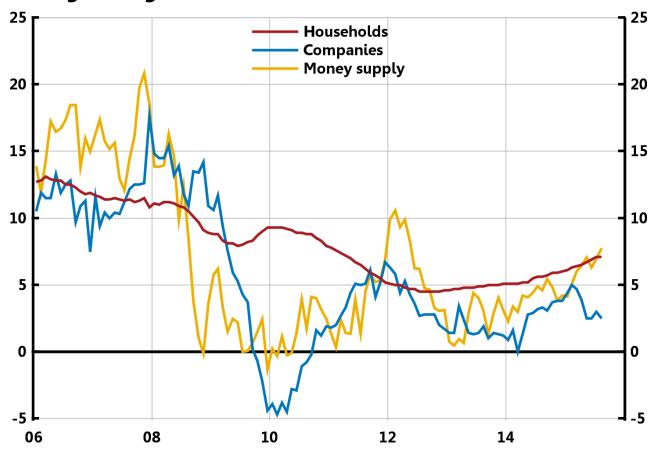
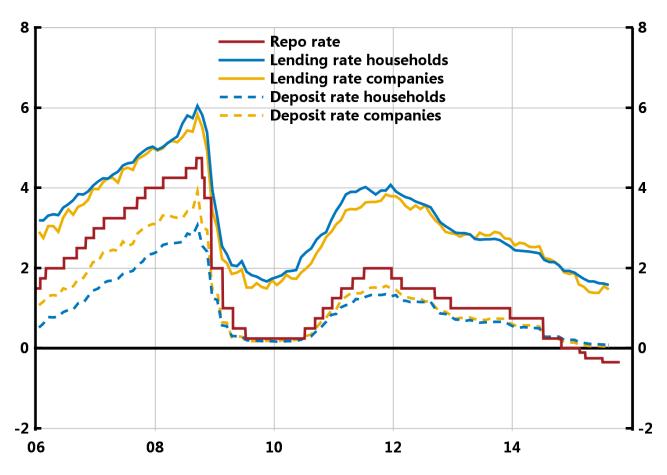


Figure 2.10. Repo rate together with the deposit and lending rate to households and companies, new contracts







Chapter 3

Figure 3.1. CPI, CPIF and CPIF excluding energy



Annual percentage change

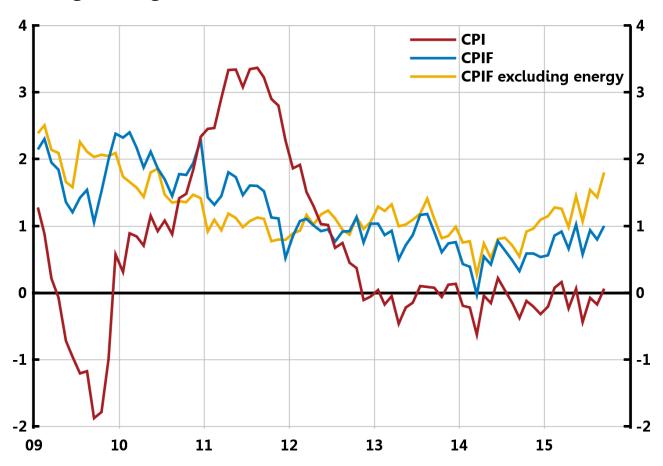


Figure 3.2. CPIF and contributions to CPI-inflation



Annual percentage change and percentage points, respectively

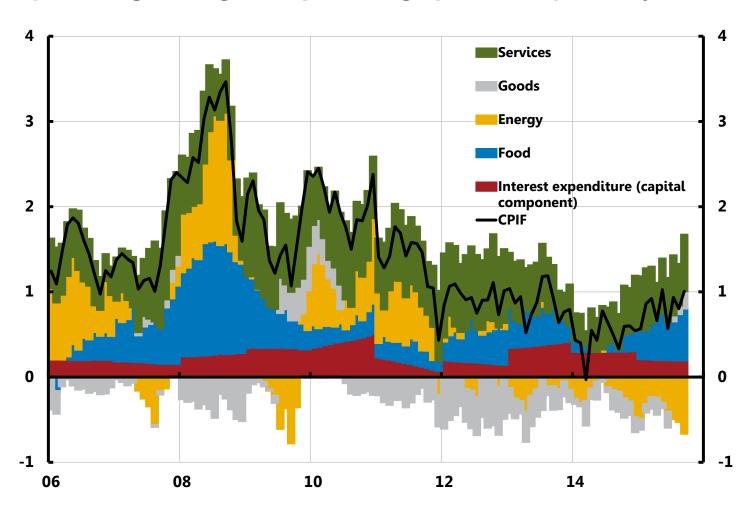


Figure 3.3. Model forecast CPIF excluding energy with uncertainty bands



Annual percentage change

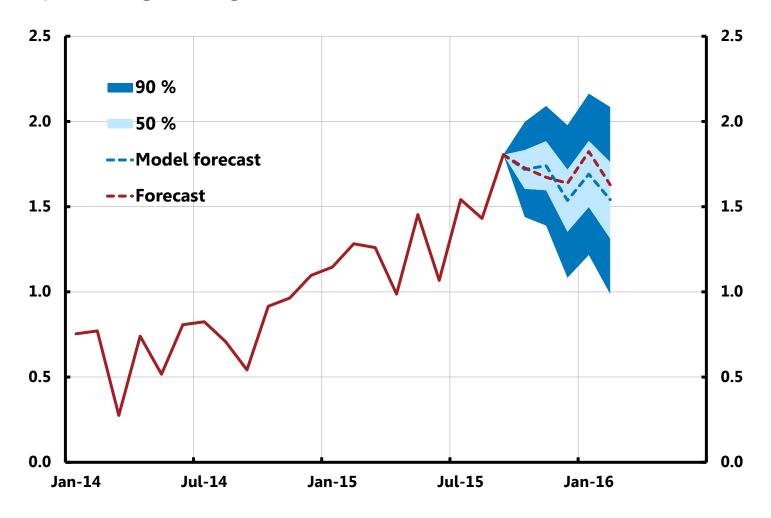




Figure 3.4. World trade volume Index, 2011 = 100



Figure 3.5. HICP in the EU countries and Norway



Annual percentage change

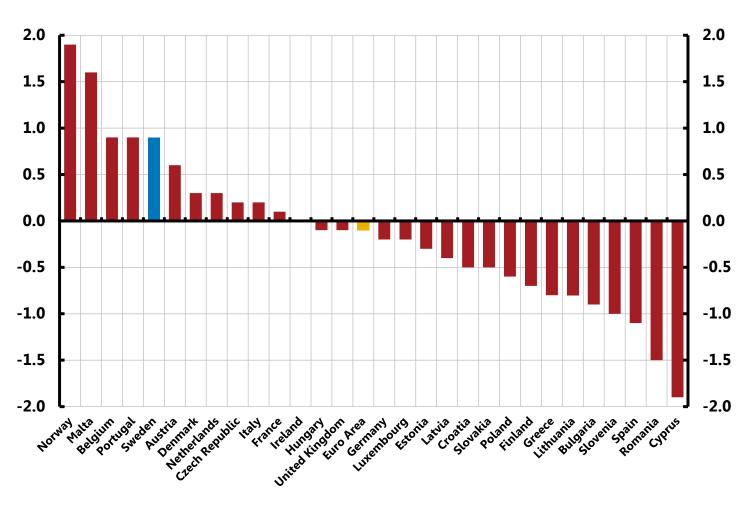




Figure 3.6. Confidence indicators

Index, average = 100, standard deviation = 10, seasonally-adjusted data

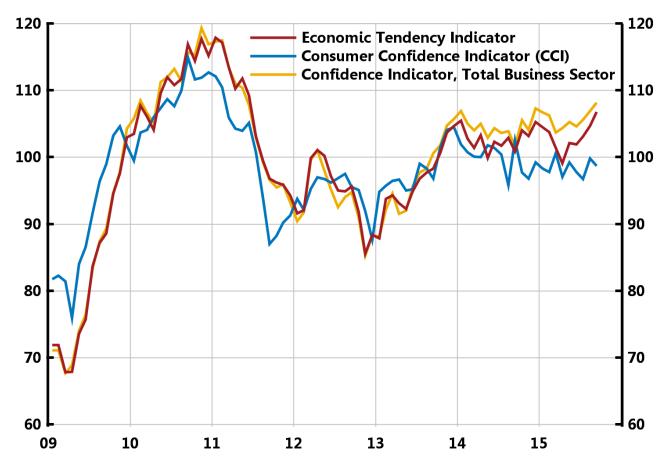


Figure 3.7. Model forecast GDP with uncertainty bands



Quarterly changes in per cent, calculated as an annual percentage change, seasonally-adjusted data

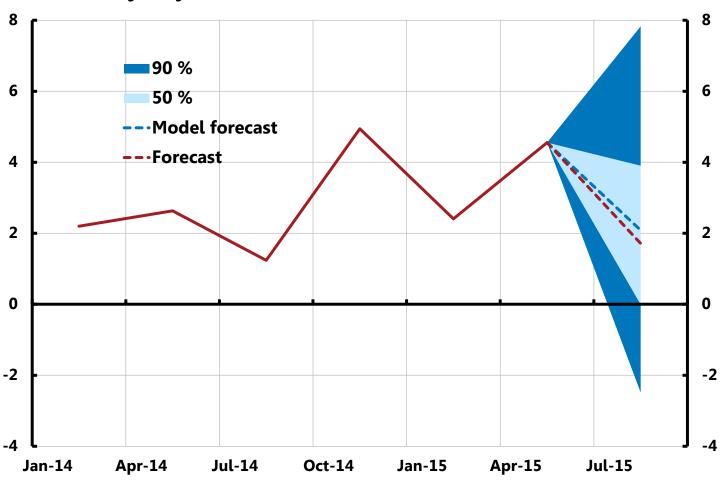


Figure 3.8. Employment, labour force and unemployment



Thousands of people and percentage of labour force, 15–74 years, seasonally-adjusted data

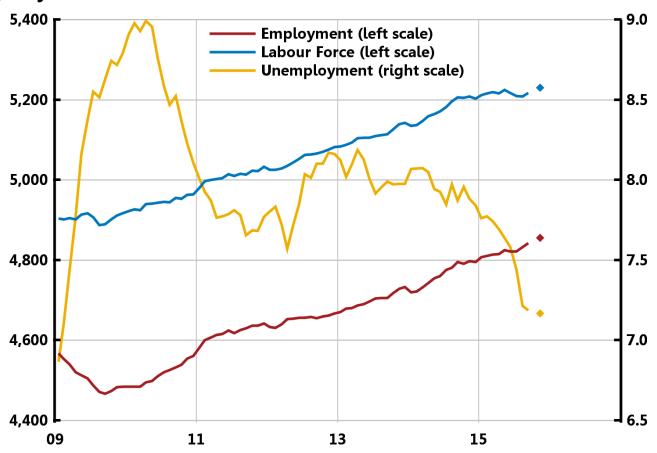




Figure 3.9. Labour market indicators

Thousands, seasonally-adjusted data

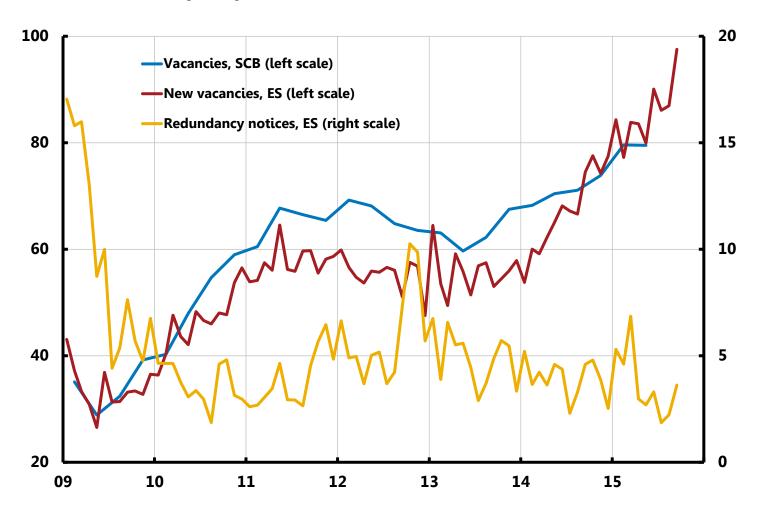
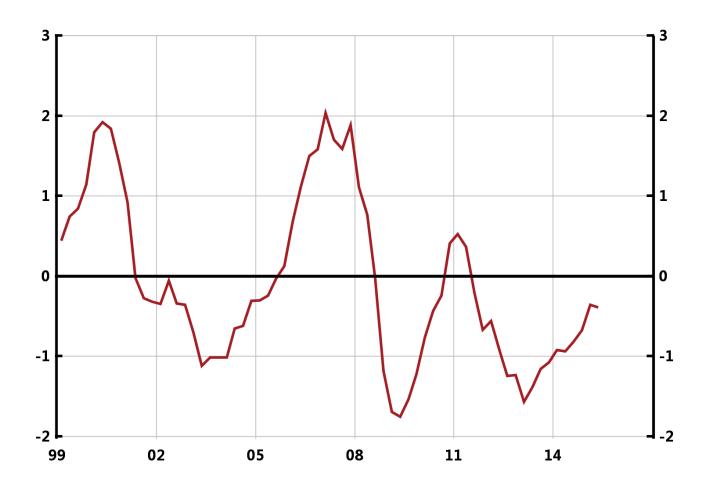




Figure 3.10. RU indicator Standard deviation





Chapter 4

Figure 4.1. Growth in various countries and regions



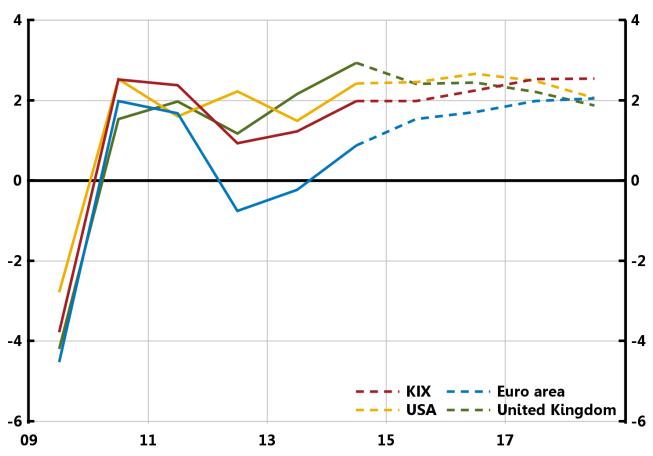


Figure 4.2. Exports of goods to China, 2014



Per cent of GDP

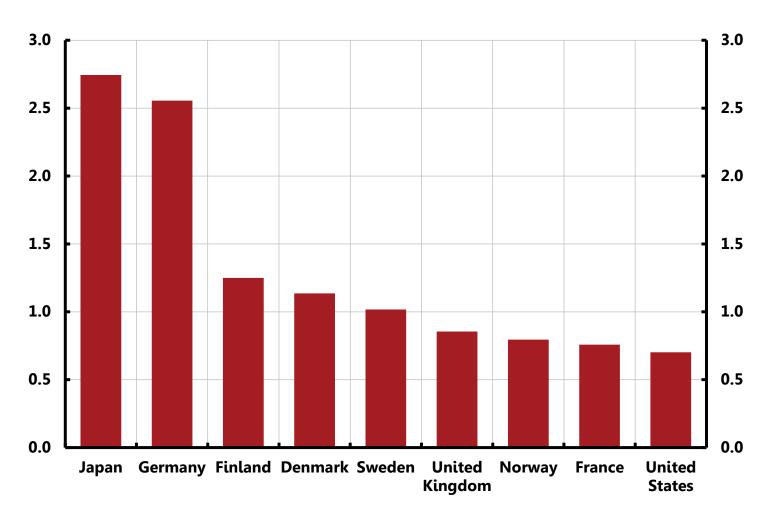




Figure 4.3. Wages abroad

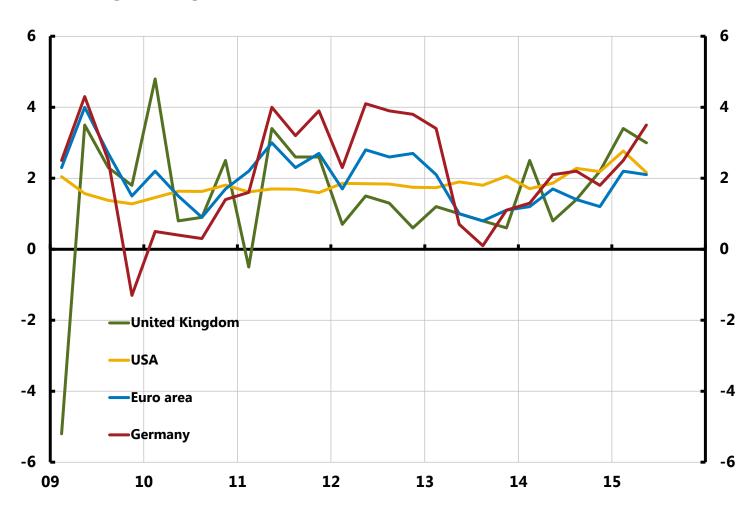


Figure 4.4. Inflation in various countries and regions



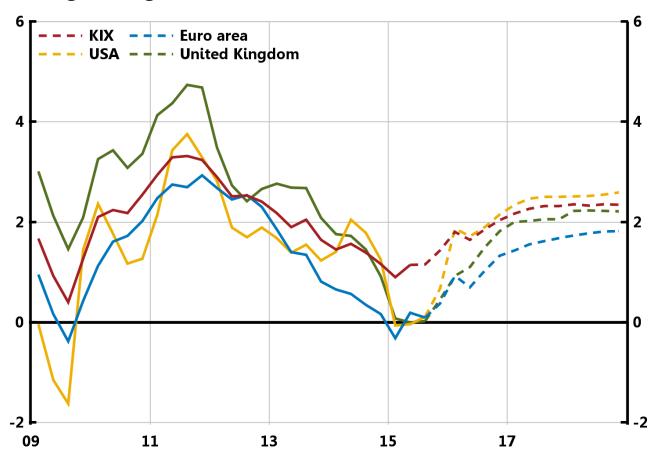
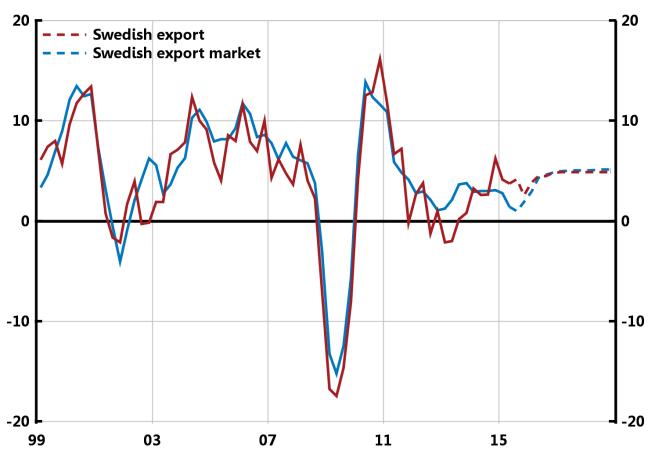


Figure 4.5. Exports and the Swedish export market



Annual percentage change, calendar-adjusted data







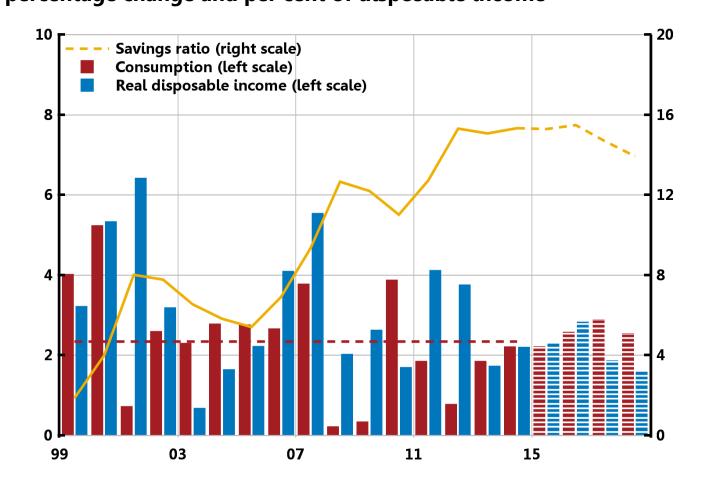




Figure 4.7. GDP

Quarterly change in per cent, seasonally-adjusted data

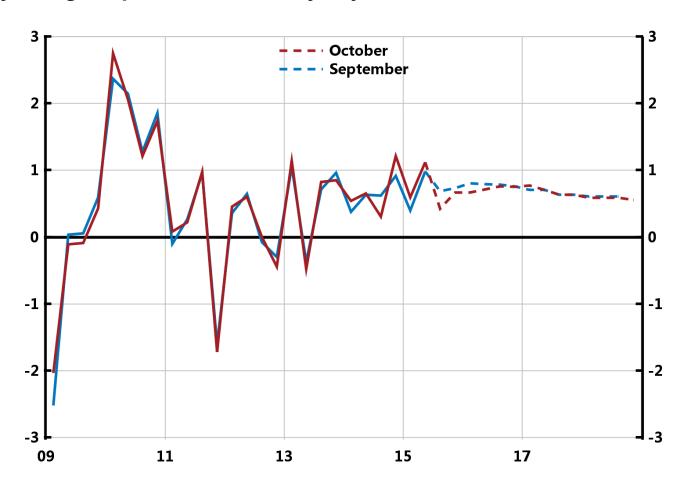




Figure 4.8. GDP and GDP per capita

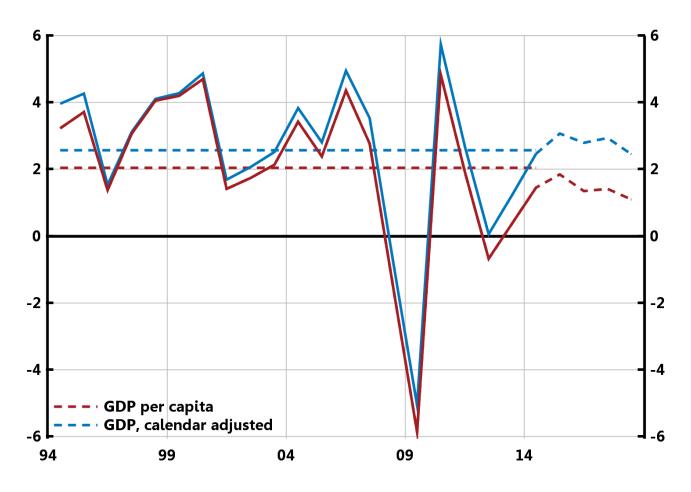


Figure 4.9. Employment rate and labour force participation



Employment and labour force as percentage of the population, aged 15–74, seasonally-adjusted data



Figure 4.10. GDP gap, employment gap and hours gap



Per cent

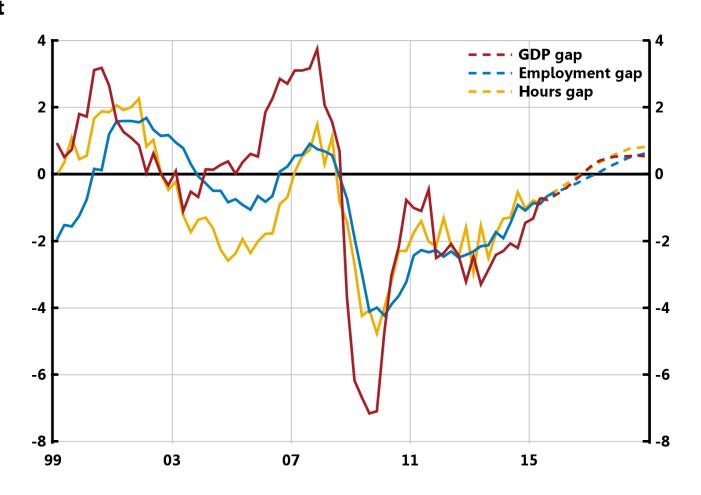




Figure 4.11. Unemployment

Per cent of the labour force, 15-74 years, seasonally-adjusted data

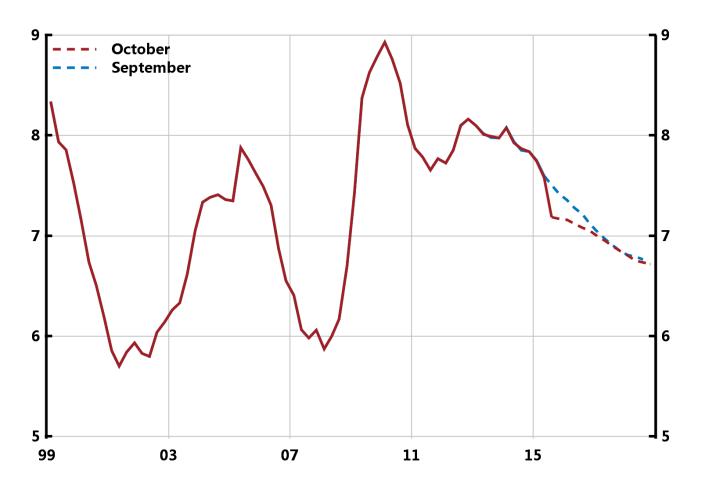


Figure 4.12. Cost pressures in the economy as a whole



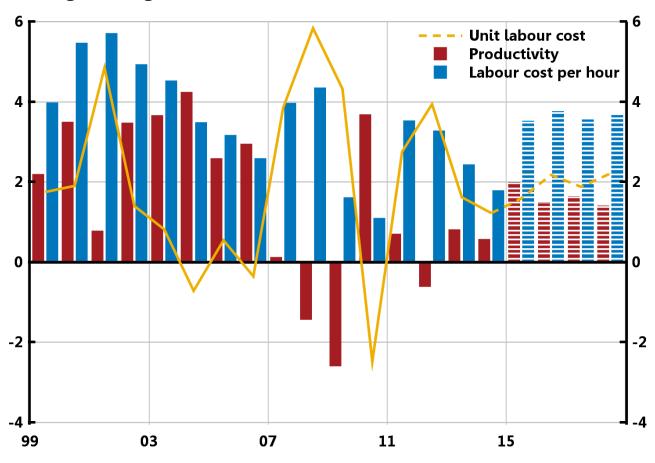
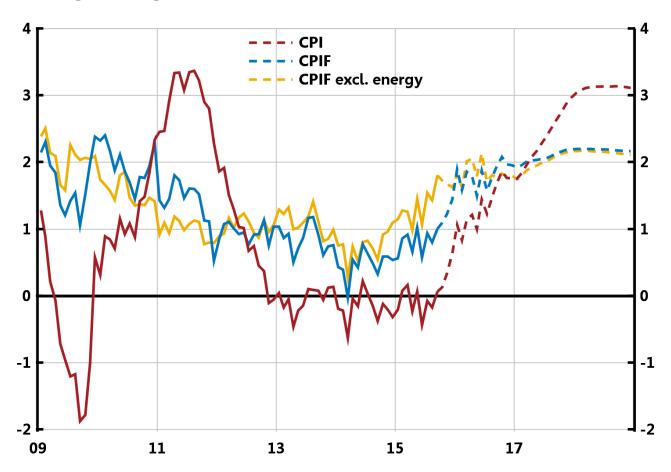


Figure 4.13. CPI, CPIF and CPIF excluding energy







Article: Migration

– opportunity and challange



Figure 4.14. Working-age population

Million people, aged 15-74

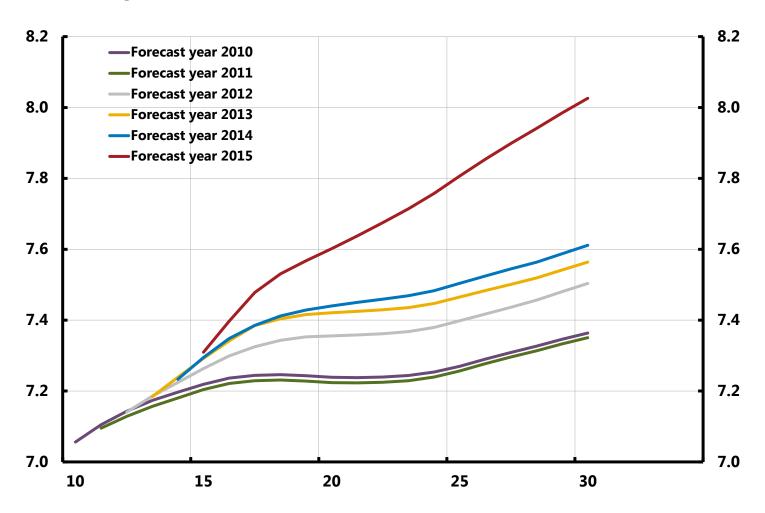


Figure 4.15. Accumulated population increase



Thousands of people, aged 15-74

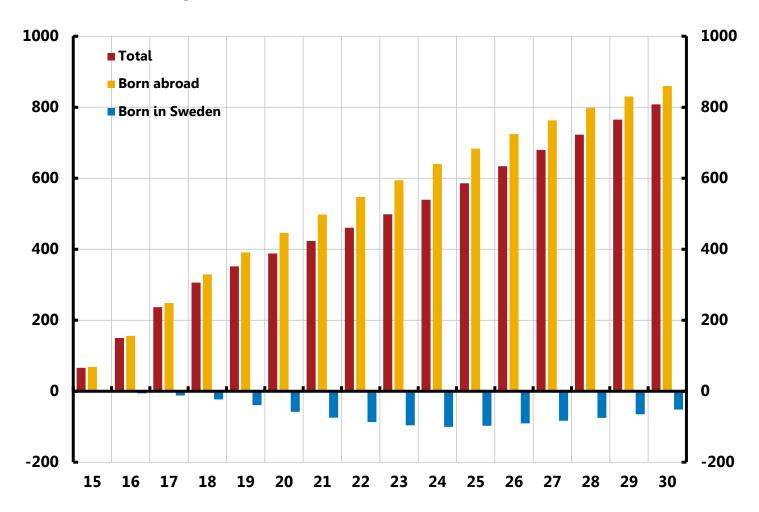
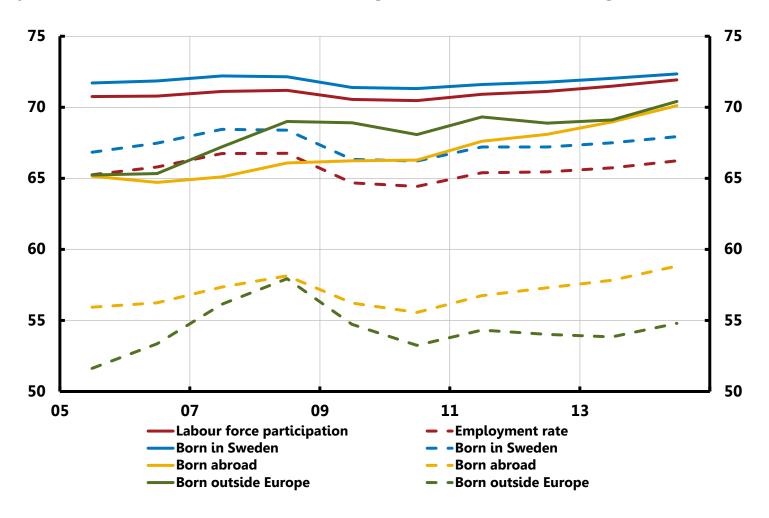


Diagram 4.16. Employment rate and labour force participation rate



Employment and labour force as percentage of the population, aged 15-74





Tables



The forecast in the previous Monetary Policy Report is shown in brackets unless otherwise stated.

Table 1. Repo rate forecast

Per cent, quarterly averages

	2015 Q3	2015 Q4	2016 Q1	2016 Q4	2017 Q4	2018 Q4
Repo rate	-0.3	-0.4 (-0.4)	-0.4 (-0.4)	-0.4 (-0.2)	0.1 (0.4)	0.7

Source: The Riksbank

Table 2. Inflation

Annual percentage change, annual average

	2014	2015	2016	2017	2018
CPI	-0.2	0.0 (0.0)	1.4 (1.8)	2.4 (2.8)	3.1
CPIF	0.5	0.9 (0.9)	1.8 (2.0)	2.1 (2.2)	2.2
CPIF excl. energy	0.7	1.4 (1.4)	1.8 (2.0)	2.0 (2.1)	2.1
HICP	0.2	0.8 (0.8)	1.7 (1.8)	2.1 (2.1)	2.2

Note. The CPIF is the CPI with a fixed mortgage rate. HICP is an EU harmonised index of consumer prices.

Sources: Statistics Sweden and the Riksbank

Table 3. Summary of financial forecasts

Per cent, unless otherwise stated, annual average

	2014	2015	2016	2017	2018
Repo rate	0.5	-0.3 (-0.3)	-0.4 (-0.3)	-0.1 (0.2)	0.5
10-year rate	1.8	0.8 (0.8)	1.3 (1.5)	2.3 (2.5)	3.0
Exchange rate, KIX, 18 November 1992 = 100	106.7	112.7 (113.0)	110.4 (110.1)	107.3 (106.3)	105.6
General government net lending*	-1.7	-1.1 (-1.4)	-0.6 (-0.8)	-0.3 (-0.4)	-0.1

^{*} Per cent of GDP

Sources: Statistics Sweden and the Riksbank



Table 4. International conditions

Annual percentage change, unless otherwise stated

GDP	PPP- weights	KIX- weights	2014	2015	2016	2017	2018
Euro area	0.14	0.46	0.9	1.5 (1.3)	1.7 (1.7)	2.0 (2.0)	2.1
USA	0.16	0.09	2.4	2.5 (2.5)	2.7 (3.0)	2.5 (2.8)	2.1
Japan	0.05	0.03	-0.1	0.7 (0.6)	0.7 (0.7)	0.4 (0.4)	0.5
China	0.15	0.08	7.5	6.8 (6.6)	6.4 (6.3)	6.1 (6.1)	6.0
KIX-weighted	0.75	1.00	2.0	2.0 (1.9)	2.2 (2.3)	2.5 (2.6)	2.5
World (PPP-weighted)	1.00	_	3.4	3.1 (3.2)	3.6 (3.7)	3.8 (3.8)	3.8

Note. Calendar-adjusted growth rates. The PPP-weights refer to the global purchasing-power adjusted GDP-weights, according to the IMF. The National Institute of Economic Research updates the weights for the KIX krona index at the start of every year with a time lag of three years. The figures in the table are based on the new KIX weights for 2012 that are used for 2015, and on an assumption that the weights will develop according to the trend of the past five years in the coming forecast years.

СРІ	2014	2015	2016	2017	2018
Euro area (HICP)	0.4	0.1 (0.1)	1.0 (1.0)	1.6 (1.7)	1.8
USA	1.6	0.2 (-0.2)	1.9 (1.7)	2.5 (2.8)	2.5
Japan	2.7	0.9 (0.9)	1.4 (1.4)	2.1 (2.1)	2.1
KIX-weighted	1.4	1.2 (1.1)	1.8 (1.8)	2.3 (2.4)	2.3

	2014	2015	2016	2017	2018
Policy rates in the rest of the world, per cent	0.2	0.1 (0.1)	0.1 (0.1)	0.3 (0.4)	0.6
Crude oil price, USD/barrel Brent	99.6	54.7 (54.4)	53.9 (53.4)	58.5 (58.6)	61.0
Swedish export market	3.0	1.8 (2.5)	4.2 (4.8)	5.0 (5.3)	5.1

Note. Policy rates in the rest of the world refer to a weighted average of USA, the euro area, Norway and the United Kingdom. A review of the input series has led to revisions of the Swedish export market for 2014 and 2015.

Sources: Eurostat, IMF, Intercontinental Exchange, national sources, OECD and the Riksbank



Table 5. GDP by expenditure

Annual percentage change, unless otherwise stated

	2014	2015	2016	2017	2018
Private consumption	2.2	2.2 (2.2)	2.6 (3.0)	2.9 (2.8)	2.6
Public consumption	1.6	1.9 (2.3)	2.7 (2.8)	1.9 (1.9)	1.8
Gross fixed capital formation	7.6	5.6 (4.3)	5.6 (5.9)	4.6 (4.5)	4.4
Inventory investment*	0.1	-0.1 (0.0)	0.2 (0.0)	0.0 (0.0)	0.0
Exports	3.5	4.0 (3.8)	4.8 (5.4)	4.4 (4.9)	4.7
Imports	6.3	2.9 (2.9)	6.2 (6.2)	5.4 (5.8)	5.9
GDP	2.3	3.3 (3.1)	3.0 (3.4)	2.7 (2.6)	2.3
GDP, calendar-adjusted	2.5	3.1 (2.8)	2.8 (3.2)	2.9 (2.9)	2.5
Final figure for domestic demand*	3.1	2.8 (2.6)	3.2 (3.5)	2.9 (2.9)	2.7
Net exports*	-0.9	0.6 (0.5)	-0.4 (-0.1)	-0.3 (-0.2)	-0.4
Current account (NA), per cent of GDP	5.4	6.3 (6.7)	5.7 (6.2)	5.2 (5.6)	4.6

^{*}Contribution to GDP growth, percentage points

Note. The figures show actual growth rates that have not been calendar-adjusted, unless otherwise stated. NA is the National Accounts.

Sources: Statistics Sweden and the Riksbank



Table 6. Production and employment

Annual percentage change, unless otherwise stated

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	2014	2015	2016	2017	2018
Population, aged 15–74	0.7	0.7 (0.8)	1.1 (1.1)	1.2 (1.2)	0.9
Potential hours worked	0.7	0.7 (0.7)	0.7 (0.8)	0.7 (0.8)	0.7
GDP, calendar-adjusted	2.5	3.1 (2.8)	2.8 (3.2)	2.9 (2.9)	2.5
Number of hours worked, calendar-adjusted	1.8	1.1 (1.0)	1.3 (1.3)	1.3 (1.3)	1.0
Employed, aged 15–74	1.4	1.3 (1.2)	1.1 (1.2)	1.2 (1.3)	1.1
Labour force, aged 15–74	1.3	0.8 (0.8)	0.8 (0.8)	1.0 (1.0)	0.9
Unemployment, aged 15–74 *	7.9	7.4 (7.6)	7.1 (7.2)	6.9 (6.9)	6.8

^{*} Per cent of the labour force

Note. Potential hours refer to the long-term sustainable level for the number of hours worked according to the Riksbank's assessment.

Sources: Statistics Sweden and the Riksbank

Table 7. Wages and labour costs for the economy as a whole

Annual percentage change, calendar-adjusted data unless otherwise stated

	2014	2015	2016	2017	2018
Hourly wage, NMO	2.8	2.6 (2.6)	3.1 (3.2)	3.4 (3.4)	3.5
Hourly wage, NA	1.8	3.2 (3.0)	3.2 (3.3)	3.6 (3.6)	3.7
Employers' contribution*	0.0	0.3 (0.3)	0.5 (0.5)	0.0 (0.0)	0.0
Hourly labour cost, NA	1.8	3.5 (3.2)	3.8 (3.8)	3.6 (3.6)	3.7
Productivity	0.6	2.0 (1.8)	1.5 (1.8)	1.6 (1.5)	1.4
Unit labour cost	1.2	1.5 (1.4)	2.2 (2.0)	1.9 (2.0)	2.2

^{*} Contribution to the increase in labour costs, percentage points

Note. NMO is the National Mediation Office's short-term wage statistics and NA is the National Accounts. Labour cost per hour is defined as the sum of actual wages, social-security charges and wage taxes divided by the seasonally adjusted total number of hours worked. Unit labour cost is defined as labour cost divided by seasonally-adjusted value added at constant prices.

Sources: National Mediation Office, Statistics Sweden and the Riksbank