

WIFO

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 **ÖSTERREICHISCHES INSTITUT FÜR
WIRTSCHAFTSFORSCHUNG**

**Economic Activity in Austria
Picking Up Gradually
Economic Outlook for 2015 and 2016**

September 2015



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Austrian Institute of Economic Research

Abstract

Economic growth in Austria remains subdued in the current year. Demand and output should gain momentum in 2016, thereby narrowing the growth gap vis-à-vis Germany and the euro-area average.

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Economic Activity in Austria Picking Up Gradually

Economic Outlook for 2015 and 2016

Economic growth in Austria remains subdued in the current year. Demand and output should gain momentum in 2016, thereby narrowing the growth gap vis-à-vis Germany and the euro-area average.

Austrian exports are feeling the slower pace of growth in the Emerging Markets. With the exception of China, these economies should stage a cyclical recovery in 2016. Deliveries of goods to the euro area also receded in the first half of 2015, while trade with the USA posted strong gains.

Domestic private consumption remains sluggish this year before picking up from +0.4 percent (2015) to +1.3 percent in 2016, benefiting from the lower income tax burden brought about by the tax reform 2015-16 and from higher employment. Investment is also expected to strengthen, albeit less than in earlier periods of cyclical upturn. Corporate spending on machinery and business equipment is set to accelerate from a modest volume growth of 0.8 percent in 2015 to +2.5 percent in 2016. Construction investment, stagnating in 2015 (+0.2 percent), should enjoy a similar improvement, even if receiving little early stimulus from government moves for more residential building.

In all, WIFO expects real GDP growth at an annual average of 0.7 percent for 2015, accelerating to 1.4 percent in 2016. In spite of the moderate pace of activity, employment will continue to increase, somewhat less though the total number of hours worked. With the unabated expansion of labour supply, registered unemployment will nevertheless climb further, from 9.2 percent (2015) to 9.7 percent (2016) of the dependent labour force (national definition).

Notwithstanding the lower energy prices, the domestic consumer price index will increase by 1.1 percent in 2015 and by a projected 1.7 percent in 2016. Headline infla-

tion thus remains significantly above the euro-area average, although the differential should narrow in 2016.

Cut-off date: 23 September 2015

For more details please contact

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Methodological Notes and Short Glossary

Period comparisons

Time-series comparisons with the previous period, e.g., the previous quarter, are adjusted for seasonal effects. They also include effects that result from a different number of working days in the period (e.g., Easter). Unlike the "seasonally and calendar-adjusted" changes of quarterly GDP as communicated to Eurostat and released by Statistics Austria, WIFO in addition adjusts the series for irregular variations. The WIFO series labelled "trend-cycle component" exhibits a smoother path and offers a better interpretation of the cyclical profile.

The phrase "changed compared with a year before . . .", on the other hand, describes a change compared with the same period a year before and refers to unadjusted time series.

The analysis of the seasonally and working day adjusted development provides more precise information about the actual course of economic activity and shows turning points sooner. However, the data are subject to additional revisions as seasonal adjustment is based on statistical methods.

Carry-over (in economic growth)

The carry-over identifies the impact of the dynamics of a series (in seasonally adjusted figures) during one year (t_0) on the annual percentage change in the following year (t_1). It is defined as the annual percentage change in year t_1 , if GDP in t_1 remains constant at the level of the fourth quarter of year t_0 (in seasonally adjusted terms).

Average rates of change

The time given refers to the initial and the final value of the period of computation: hence the average rate 2005-2010 comprises as the first rate of change that from 2005 to 2006, and as the last that from 2009 to 2010.

Real and nominal values

In principle, the values shown must be understood as real values, i.e., adjusted for price effects. Whenever values are shown as nominal values (e.g., foreign trade statistics), this is specifically mentioned.

Production Sector

This term comprises the NACE-2008 sections B, C and D (Mining and Quarrying, Manufacturing, Energy Supply) and is here used in an international comparison.

Inflation, CPI und HICP

The inflation rate measures changes in consumer prices compared with a year before. The Consumer Price Index (CPI) is a measure of national inflation. The Harmonised Index of Consumer Prices (HICP) is the basis for comparable measurement of inflation in the EU and for the evaluation of price stability in the euro area (see <http://www.statistik.at/>). Core inflation as a monetary policy indicator is not clearly defined. WIFO follows the common practice of using the inflation rate excluding the product categories unprocessed food and energy for core inflation. Thus just under 87 percent of the goods and services contained in the consumer price index (CPI 2010) are included in the calculation of core inflation.

WIFO Business Cycle Survey and WIFO Investment Survey

The WIFO Business Cycle Survey is a monthly survey in which around 1,500 Austrian firms are asked to assess their current and future economic situation. The WIFO Investment Survey is conducted twice a year, asking companies about their investment activity (<http://www.konjunkturtest.at/>). The indicators are balances between the positive and negative responses expressed as a percentage of the total number of firms sampled.

Unemployment rate

Austrian national definition: The number of persons registered as job seekers with the Public Employment Service expressed as a percentage of the dependent labour force. Labour force is the sum of the unemployed and the persons in dependent employment (measured in standard employment relationships). Database: registrations with the Public Employment Service (AMS) and Association of Austrian social insurance agencies.

Definition according to ILO and Eurostat: Any person who is not gainfully employed and is actively seeking work is considered unemployed. Gainfully employed persons comprise all persons who during the reference week worked for at least one hour in a self-employed capacity or in paid employment. Persons receiving child-care benefit and apprentices are classified as gainfully employed, whereas persons in military service or persons carrying out alternative service are not. The unemployment rate is the number of unemployed persons expressed as a percentage of the total labour force (unemployed persons plus gainfully employed persons). Database: data from household surveys ("Mikrozensus").

Terms used in connection with the national definition of the unemployment rate

Persons in training: Persons who at a set date are enrolled in AMS (Public Employment Service) training programmes. When calculating the unemployment rate, their number is not taken into account either in the denominator or in the numerator.

Persons in dependent active employment: "Persons in dependent employment" include persons receiving child-care benefit, as well as persons in military service with a valid employment contract. By deducting their number one arrives at the number of "persons in dependent active employment".

Main results

Percentage changes from previous year

	2011	2012	2013	2014	2015	2016
					Forecasts	
GDP						
Volume	+ 2.8	+ 0.8	+ 0.3	+ 0.4	+ 0.7	+ 1.4
Value	+ 4.8	+ 2.7	+ 1.8	+ 2.0	+ 2.4	+ 3.1
Manufacturing ¹ , volume	+ 6.8	+ 2.2	- 0.4	+ 1.1	+ 0.8	+ 2.5
Wholesale and retail trade , volume	+ 3.6	- 1.6	- 0.2	- 0.5	+ 1.2	+ 2.2
Private consumption expenditure , volume	+ 1.3	+ 0.6	+ 0.1	+ 0.0	+ 0.4	+ 1.3
Gross fixed investment , volume	+ 6.7	+ 1.3	- 0.3	- 0.2	+ 0.4	+ 1.5
Machinery and equipment ²	+ 10.1	+ 0.7	- 0.1	+ 1.3	+ 0.8	+ 2.5
Construction	+ 2.7	+ 2.2	- 2.1	- 1.0	+ 0.2	+ 1.0
Other Investment ³	+ 11.1	+ 0.2	+ 4.1	- 0.7	+ 0.1	+ 1.2
Exports of goods ⁴						
Volume	+ 7.4	+ 0.5	+ 2.9	+ 2.7	+ 2.5	+ 4.0
Value	+ 11.3	+ 1.5	+ 1.8	+ 1.8	+ 2.3	+ 4.7
Imports of goods ⁴						
Volume	+ 8.4	- 0.9	- 0.1	+ 1.0	+ 2.5	+ 3.5
Value	+ 15.3	+ 0.7	- 1.0	- 0.7	+ 1.0	+ 4.5
Current balance	€ bn					
	+ 5.06	+ 4.73	+ 3.06	+ 2.56	+ 4.69	+ 4.99
as a percentage of GDP	+ 1.6	+ 1.5	+ 0.9	+ 0.8	+ 1.4	+ 1.4
Long-term interest rate ⁵	percent					
	3.3	2.4	2.0	1.5	1.0	1.0
Consumer prices						
	+ 3.3	+ 2.4	+ 2.0	+ 1.7	+ 1.1	+ 1.7
Unemployment rate						
Eurostat definition ⁶	percent					
	4.6	4.9	5.4	5.6	5.8	6.0
National definition ⁷	percent					
	6.7	7.0	7.6	8.4	9.2	9.7
Persons in active dependent employment ⁸						
	+ 1.9	+ 1.4	+ 0.6	+ 0.7	+ 0.9	+ 1.0
General government financial balance						
according to Maastricht definition						
as a percentage of GDP	- 2.6	- 2.2	- 1.3	- 2.7	- 1.9	- 2.0

¹ Value added, including mining and quarrying. ² Including weapon systems. ³ Intellectual property products and cultivated biological resources. ⁴ According to Statistics Austria. ⁵ 10-year central government bonds (benchmark). ⁶ According to Eurostat Labour Force Survey. ⁷ Public Employment Service Austria, percent of total labour force excluding self employed. ⁸ Excluding parental leave and military service.

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Projections - September 2015

World economy

Percentage changes from previous year

	2011	2012	2013	2014	2015	2016
					Forecasts	
Real GDP						
World	+ 4.2	+ 3.4	+ 3.4	+ 3.4	+ 3.0	+ 3.3
USA	+ 1.6	+ 2.2	+ 1.5	+ 2.4	+ 2.4	+ 2.4
Japan	- 0.5	+ 1.7	+ 1.6	- 0.1	+ 0.8	+ 1.1
EU 28	+ 1.7	- 0.5	+ 0.1	+ 1.4	+ 1.9	+ 1.8
Euro area 19	+ 1.6	- 0.8	- 0.4	+ 0.9	+ 1.5	+ 1.5
CEE5 ¹	+ 3.5	+ 0.7	+ 1.2	+ 3.1	+ 3.5	+ 3.1
China	+ 9.3	+ 7.8	+ 7.7	+ 7.3	+ 6.5	+ 6.0
World trade, volume	+ 5.9	+ 1.9	+ 2.5	+ 3.3	+ 0.5	+ 2.0
Market growth²	+ 7.4	+ 0.6	+ 1.8	+ 3.5	+ 3.0	+ 4.0
Primary commodity prices³						
HWWI Index, total	+ 28.6	- 2.8	- 1.9	- 7.0	- 40	+ 5
Excluding energy	+ 19.2	- 14.4	- 6.1	- 6.2	- 20	- 8
Crude oil prices						
Brent, USD per barrel	111.3	111.6	108.7	99.0	55	60
Exchange rate						
USD per euro	1.392	1.286	1.328	1.329	1.10	1.10

¹ Poland, Slovakia, Slovenia, Czech Republic, Hungary.² Real import growth of trading partners weighted by Austrian export shares.³ In USD.

Key policy indicators

	2011	2012	2013	2014	2015	2016
					Forecasts	
Fiscal policy						
					As a percentage of GDP	
General government financial balance according to Maastricht definition	- 2.6	- 2.2	- 1.3	- 2.7	- 1.9	- 2.0
General government primary balance	0.2	0.6	1.3	- 0.2	0.5	0.3
Monetary policy						
					Percent	
3-month interest rate	1.4	0.6	0.2	0.2	0.1	0.1
Long-term interest rate ¹	3.3	2.4	2.0	1.5	1.0	1.0
					Percentage changes from previous year	
Effective exchange rate						
Nominal	+ 0.2	- 1.5	+ 1.7	+ 1.2	- 2.8	+ 0.3
Real	+ 0.6	- 1.6	+ 2.0	+ 1.5	- 2.7	+ 0.1

¹ 10-year central government bonds (benchmark).

Productivity

Percentage changes from previous year

	2011	2012	2013	2014	2015	2016
					F o r e c a s t s	
Total economy						
Real GDP	+ 2.8	+ 0.8	+ 0.3	+ 0.4	+ 0.7	+ 1.4
Hours worked ¹	+ 2.0	- 0.3	- 0.5	+ 0.4	± 0.0	+ 0.3
Productivity per hour	+ 0.8	+ 1.1	+ 0.8	- 0.1	+ 0.7	+ 1.1
Employment ²	+ 1.7	+ 1.1	+ 0.6	+ 1.1	+ 0.7	+ 1.0
Manufacturing						
Production ³	+ 6.5	+ 2.4	- 0.4	+ 1.3	+ 0.8	+ 2.5
Hours worked ¹	+ 1.6	+ 1.1	- 0.7	- 0.0	- 1.4	- 0.1
Productivity per hour	+ 4.8	+ 1.2	+ 0.3	+ 1.3	+ 2.2	+ 2.6
Employees ¹	+ 1.9	+ 1.5	- 0.3	+ 0.2	- 0.4	± 0.0

¹ According to National Accounts definition.

² Dependent and self-employed according to National Accounts definition.

³ Value added, volume.

Private consumption, income and prices

	2011	2012	2013	2014	2015	2016
					Forecasts	
	Percentage changes from previous year, volume					
Private consumption expenditure	+ 1.3	+ 0.6	+ 0.1	+ 0.0	+ 0.4	+ 1.3
Durables	+ 4.4	+ 0.7	- 3.0	- 0.5	± 0.0	+ 3.2
Non-durables and services	+ 0.9	+ 0.5	+ 0.4	+ 0.1	+ 0.4	+ 1.1
Household disposable income	- 0.9	+ 1.9	- 1.9	+ 0.1	+ 0.7	+ 1.8
	As a percentage of disposable income					
Household saving ratio						
Including adjustment for the change in net equity of households in pension fund reserves	7.8	9.0	7.3	7.6	7.8	8.3
Excluding adjustment for the change in net equity of households in pension fund reserves	7.1	8.3	6.5	6.7	7.0	7.5
	Percentage changes from previous year					
Direct lending to domestic non-banks¹	+ 2.7	+ 0.0	- 1.2	+ 0.3	+ 1.0	+ 1.2
Inflation rate						
National	3.3	2.4	2.0	1.7	1.1	1.7
Harmonised	3.6	2.6	2.1	1.5	1.1	1.7
Core inflation ²	2.8	2.3	2.3	1.9	1.7	1.7

¹ End of period.² Excluding unprocessed food (meat, fish, fruits, vegetables) and energy items.

Earnings and international competitiveness

Percentage changes from previous year

	2011	2012	2013	2014	2015	2016
					Forecasts	
Wages and salaries per employee¹						
Gross earnings	+ 1.8	+ 2.7	+ 1.9	+ 1.4	+ 1.6	+ 1.7
Gross real earnings²	- 1.4	+ 0.3	- 0.1	- 0.3	+ 0.5	± 0.0
Net real earnings²	- 1.8	- 0.0	- 0.5	- 1.1	- 0.1	+ 2.4
Unit labour costs						
Total economy	+ 0.8	+ 3.0	+ 2.2	+ 2.2	+ 1.7	+ 1.2
Manufacturing	- 1.2	+ 2.7	+ 2.5	+ 1.2	+ 0.4	- 0.5
Effective exchange rate - manufactures						
Nominal	+ 0.1	- 1.7	+ 1.8	+ 1.2	- 2.8	+ 0.3
Real	+ 0.5	- 1.7	+ 2.1	+ 1.5	- 2.7	+ 0.1

¹ Employees according to National Accounts definition.

² Deflated by CPI.

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Projections - September 2015

Labour market

Changes from previous year (1,000^s)

		2011	2012	2013	2014	2015	2016
						Forecasts	
Demand for labour							
Persons in active employment ¹		+ 69.9	+ 50.1	+ 29.3	+ 30.6	+ 35.0	+ 38.0
Employees ²		+ 63.3	+ 47.2	+ 21.2	+ 23.8	+ 30.0	+ 33.0
Percentage changes from previous year		+ 1.9	+ 1.4	+ 0.6	+ 0.7	+ 0.9	+ 1.0
Nationals		+ 25.7	+ 9.0	- 8.5	- 8.1	+ 3.0	+ 3.0
Foreign workers		+ 37.7	+ 38.1	+ 29.7	+ 32.0	+ 27.0	+ 30.0
Self-employed ³		+ 6.6	+ 2.9	+ 8.1	+ 6.8	+ 5.0	+ 5.0
Labour supply							
Population of working age	(15 to 64 years)	+ 31.3	+ 18.0	+ 23.5	+ 33.1	+ 31.3	+ 28.5
	(15 to 59 years)	+ 11.7	+ 22.3	+ 27.2	+ 33.7	+ 24.3	+ 13.6
Labour force ⁴		+ 65.8	+ 64.0	+ 55.9	+ 62.8	+ 73.0	+ 65.0
Surplus of labour							
Registered unemployed ⁵		- 4.1	+ 13.9	+ 26.6	+ 32.2	+ 38.0	+ 27.0
	1,000 ^s	246.7	260.6	287.2	319.4	357.4	384.4
Unemployed persons in training	1,000 ^s	63.2	66.6	73.5	75.3	65.3	72.3
Unemployment rate							
Eurostat definition ⁶	percent	4.6	4.9	5.4	5.6	5.8	6.0
Percent of total labour force ⁵	percent	6.0	6.2	6.8	7.4	8.2	8.7
National definition ^{5,7}	percent	6.7	7.0	7.6	8.4	9.2	9.7
Employment rate							
Persons in active employment ^{1,8}	percent	66.6	67.2	67.5	67.6	67.8	68.2
Total employment (Eurostat) ^{6,8}	percent	71.1	71.4	71.4	71.1	71.2	71.3

¹ Excluding parental leave and military service. ² According to Federation of Austrian Social Security Institutions.

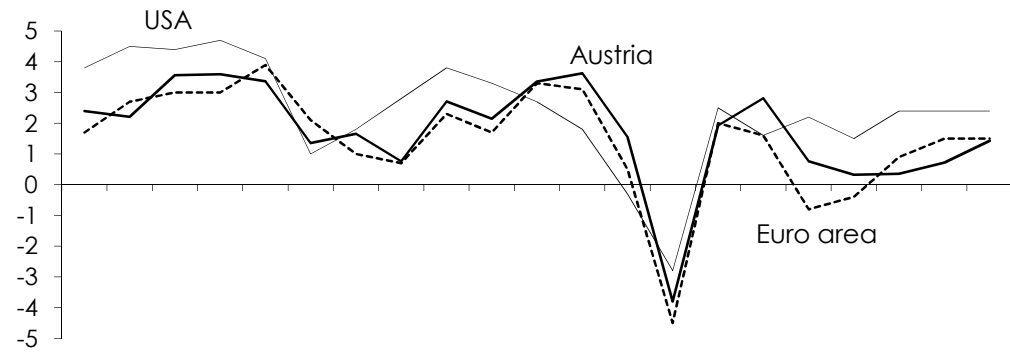
³ According to WIFO. ⁴ Persons in active employment plus unemployment.

⁵ According to Public Employment Service Austria. ⁶ According to Eurostat Labour Force Survey.

⁷ Percent of total labour force excl. self-employed. ⁸ Percent of population of working age (15 to 64 years).

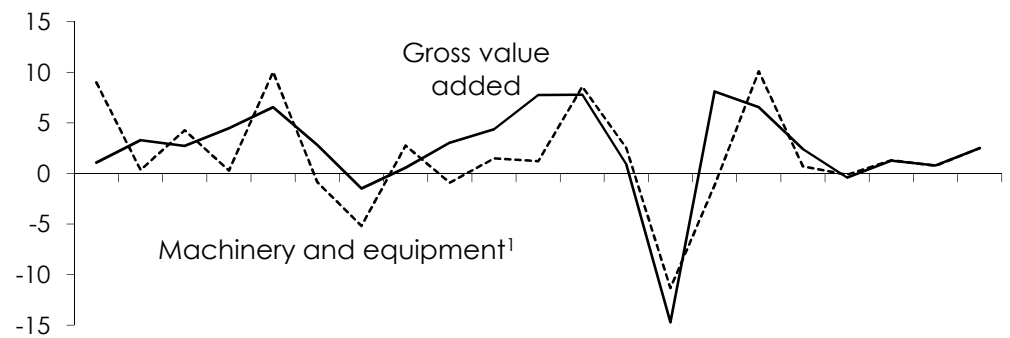
Growth of real GDP

Percent



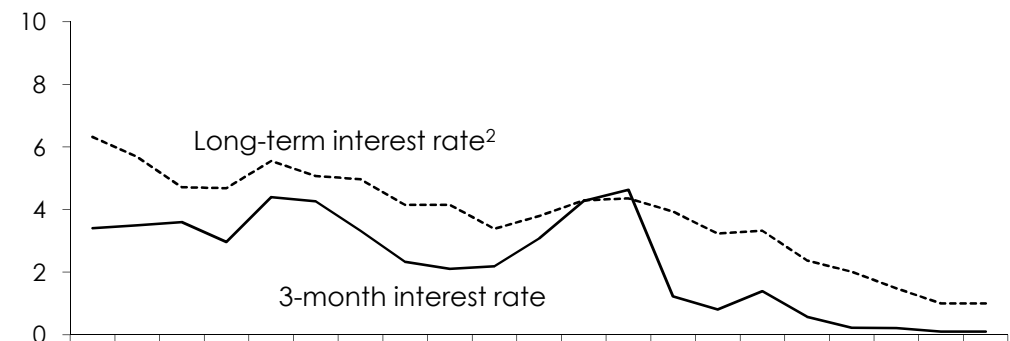
Manufacturing and investment

Percentage changes from previous year, volume



Short-term and long-term interest rates

Percent



Trade

Percentage changes from previous year, volume

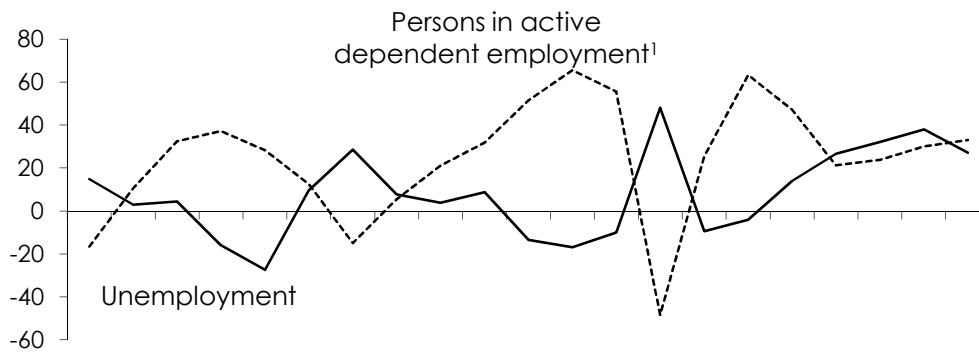


¹ Including weapon systems.

² 10-year central government bonds (benchmark).

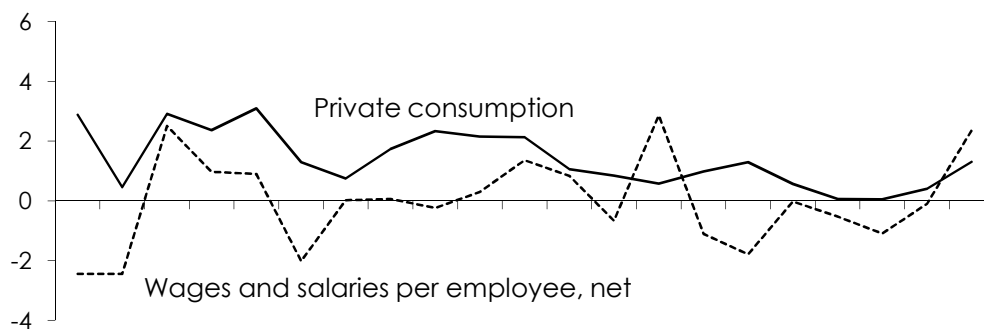
Employment and unemployment

1,000^s from previous year



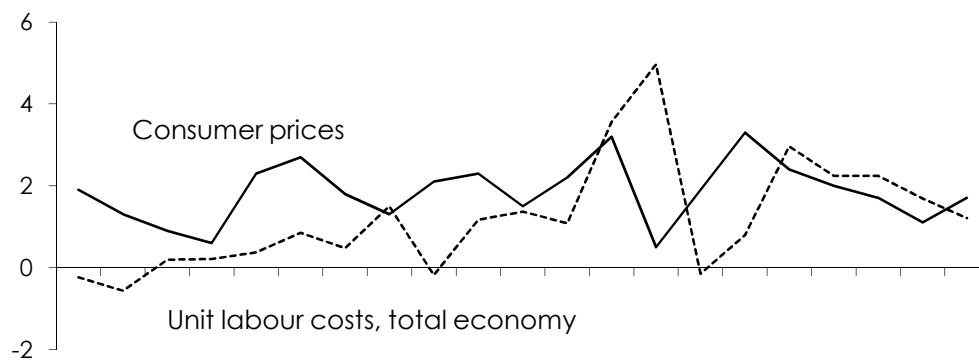
Consumption and income

Percentage changes from previous year, volume



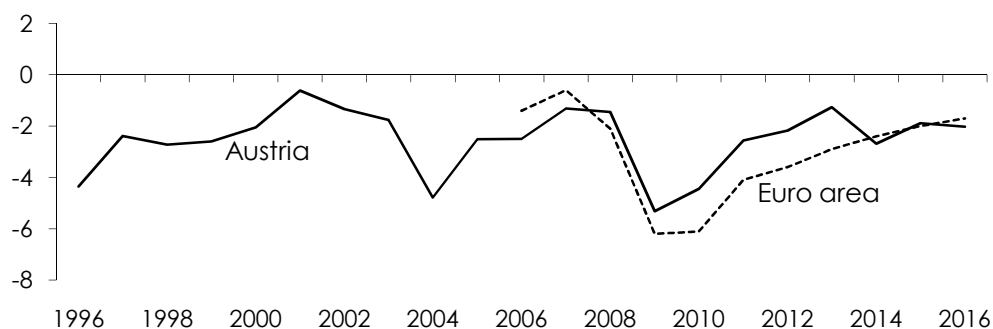
Inflation and unit labour costs

Percentage changes from previous year



General government financial balance

As a percentage of GDP



¹ Excluding parental leave, military service, and unemployed persons in training.