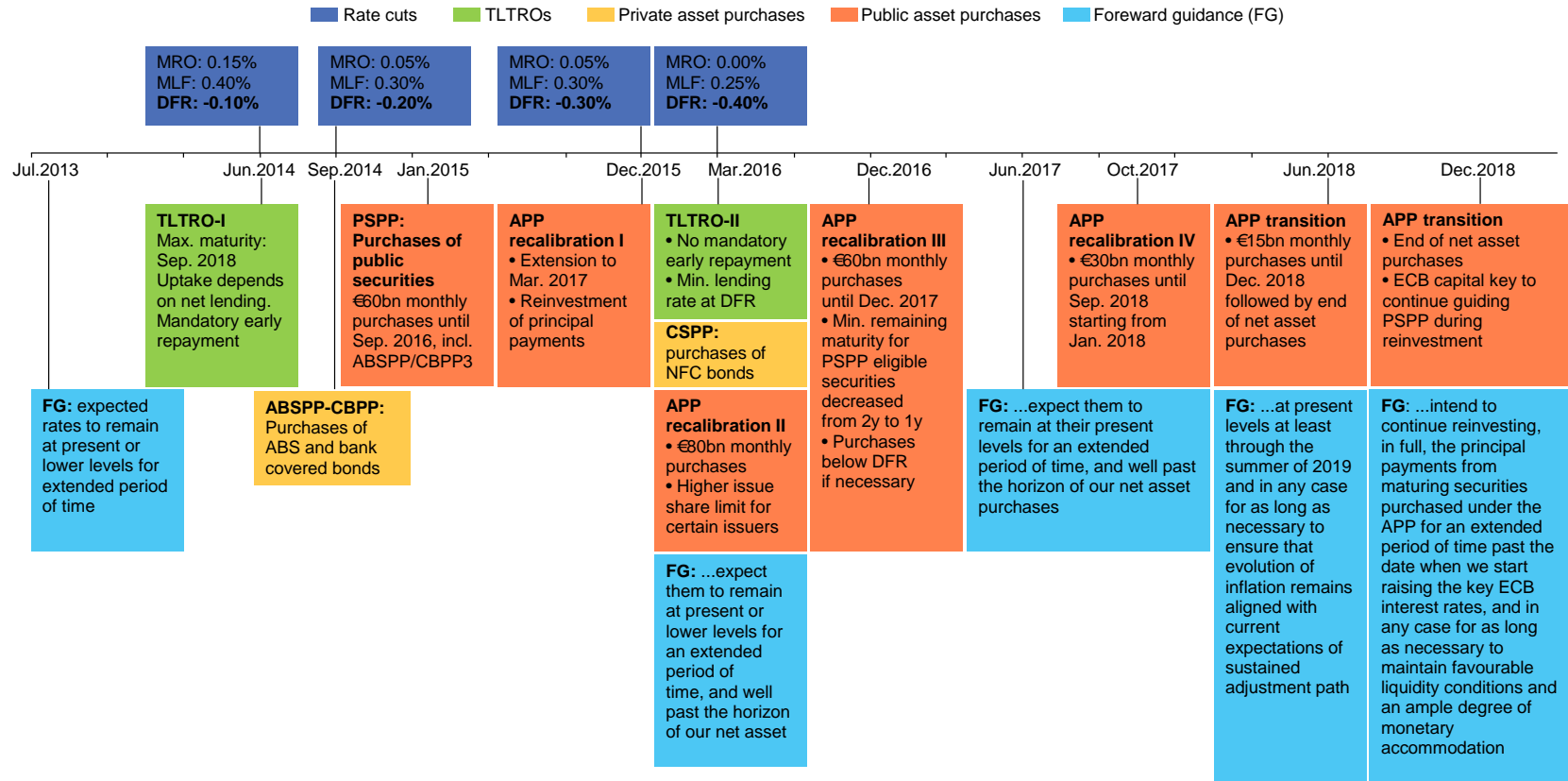


**Peter Praet**  
Member of the Executive Board

# **Economic situation and outlook**

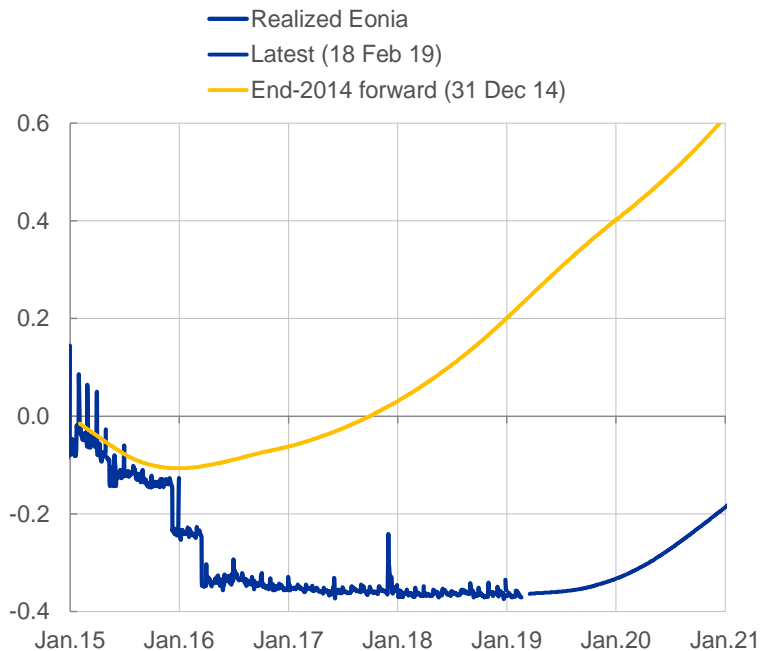
Frankfurt Main Finance Breakfast

20 February 2019



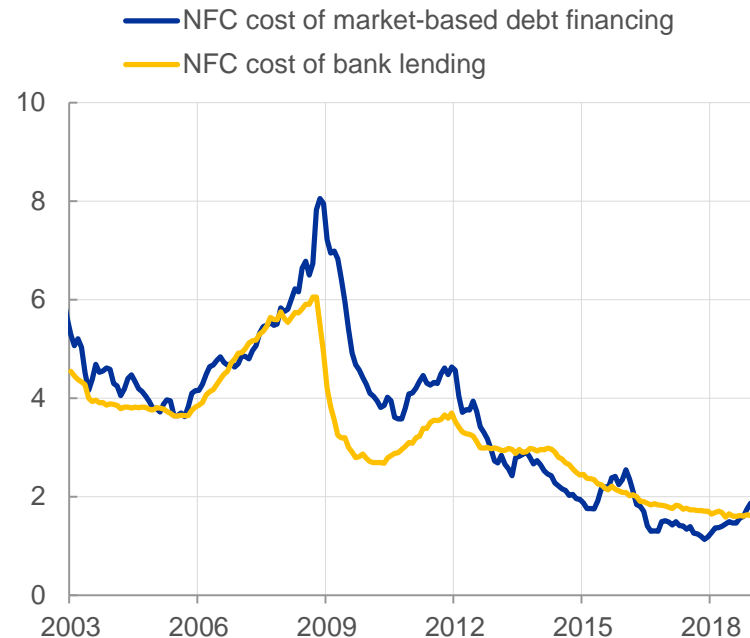
**Outright monetary transactions (OMT) – announced in August 2012, yet to be activated**  
 Transactions in secondary sovereign bond markets, subject to strict and effective conditionality  
 Aim: safeguarding an appropriate monetary policy transmission and the singleness of the monetary policy

## EONIA forward curves estimated from OIS (% per annum)



Sources: ECB.  
Latest observation: 18 Feb 2019 for realized EONIA.

## Nominal cost of debt financing for euro area NFCs by component (% per annum)



Sources: ECB, Thomson Financial DataStream, Merrill Lynch, and ECB calculations.  
Latest observation: February 2019 for the cost of market-based debt and December 2018 for the cost of bank lending.

## Calendar-based forward guidance

### Interest rates

- *We **continue to expect** [the key ECB interest rates] to remain at their present levels at least through the summer of 2019...*

### Reinvestments

- *We intend to **continue reinvesting**, in full, the principal payments from maturing securities purchased under the APP for an extended period of time past the date when we start raising the key ECB interest rates...*

## State-contingent forward guidance

### Interest rates

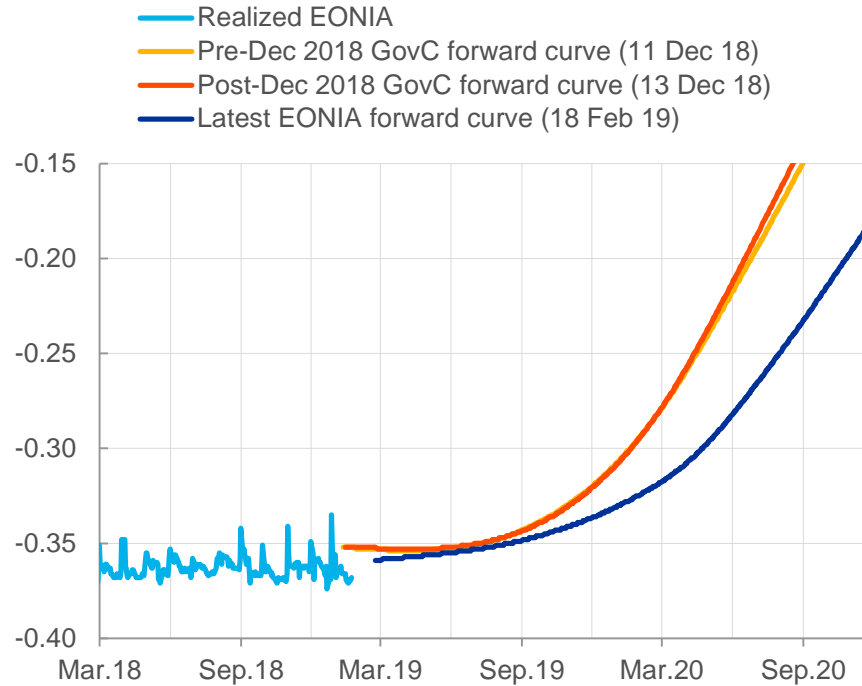
- *We **continue to expect** [the key ECB interest rates] ... in any case **for as long as necessary** to ensure the continued sustained convergence of inflation to levels that are below, but close to, 2% over the medium term.*

### Reinvestments

- *We intend to **continue reinvesting**, in full, the principal payments from maturing securities purchased under the APP ... in any case **for as long as necessary** to maintain favourable liquidity conditions and an ample degree of monetary accommodation.*

## EONIA forward curve estimated from OIS

(% per annum)

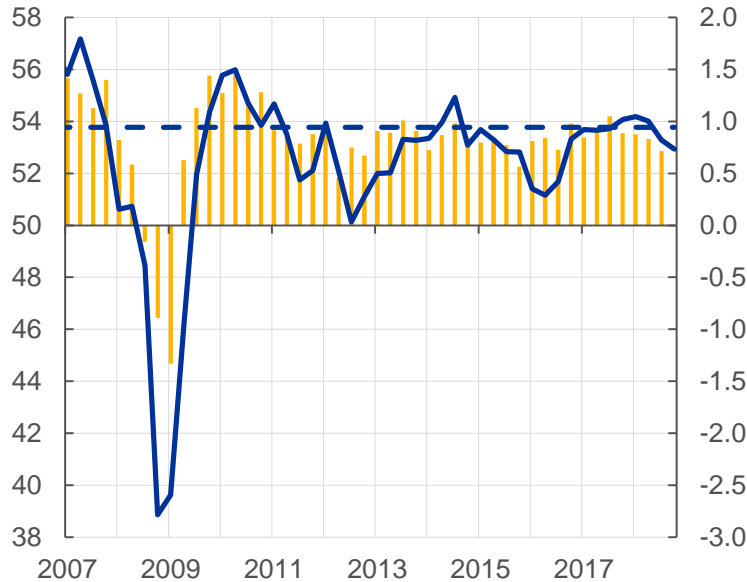


Sources: Thomson Reuters, ECB calculations.  
Latest observation: 18 February 2019 for realized EONIA.

## Global PMI composite output and global GDP growth

(lhs: diffusion index; rhs: q-o-q % changes)

- Global GDP (q-o-q percentage change, rhs)
- Global Composite PMI
- - - Global Composite PMI - longterm average



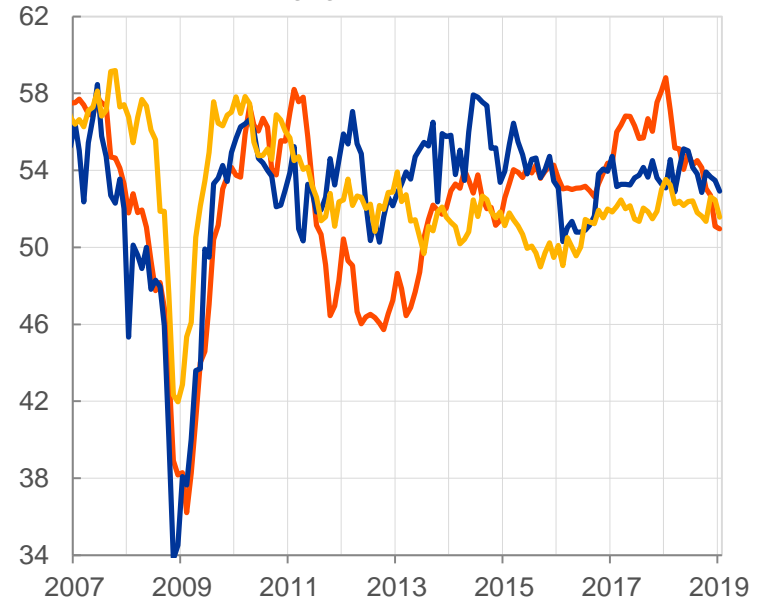
Sources: Markit, ECB calculations.

Note: Long-term average refers to 1999 onwards. Latest observation: 2018Q4 for PMI and 2018Q3 for global GDP.

## Composite output PMIs: euro area, advanced economies and EMEs

(diffusion index; SA; monthly data)

- Euro area
- Advanced economies excl. euro area
- Emerging market economies

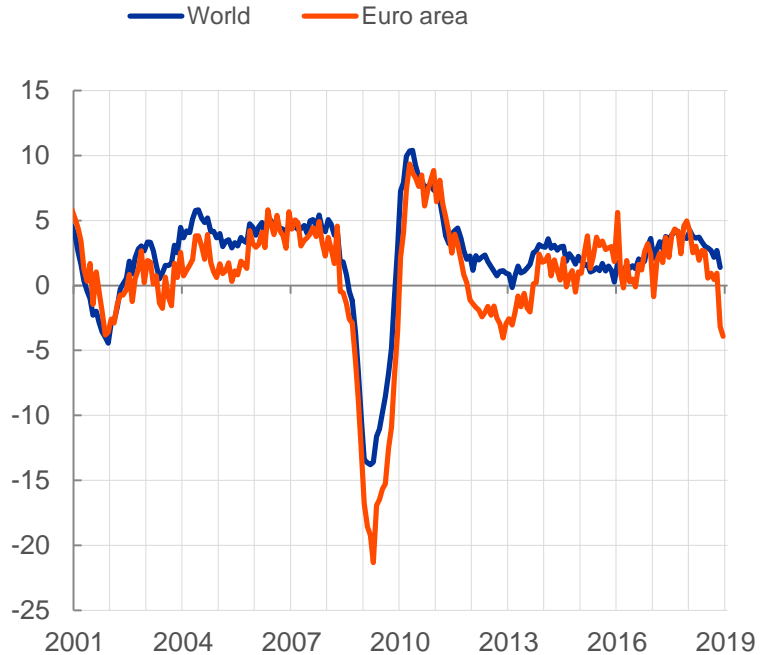


Sources: Markit, Haver Analytics, ECB calculations.

Latest observation: January 2019.

## Industrial production

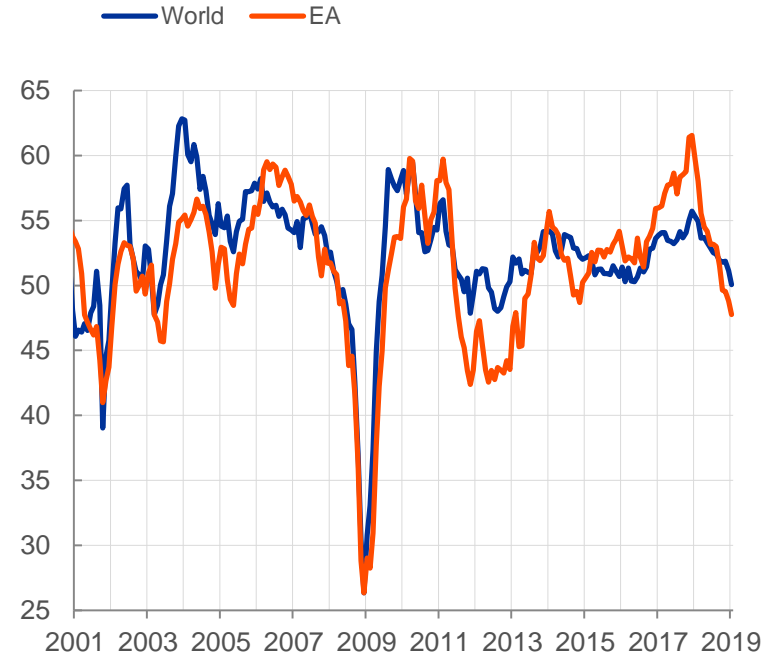
(annual % changes)



Sources: Eurostat, Haver Analytics.  
Last observations: November 2018 for world, and December 2018 for euro area.

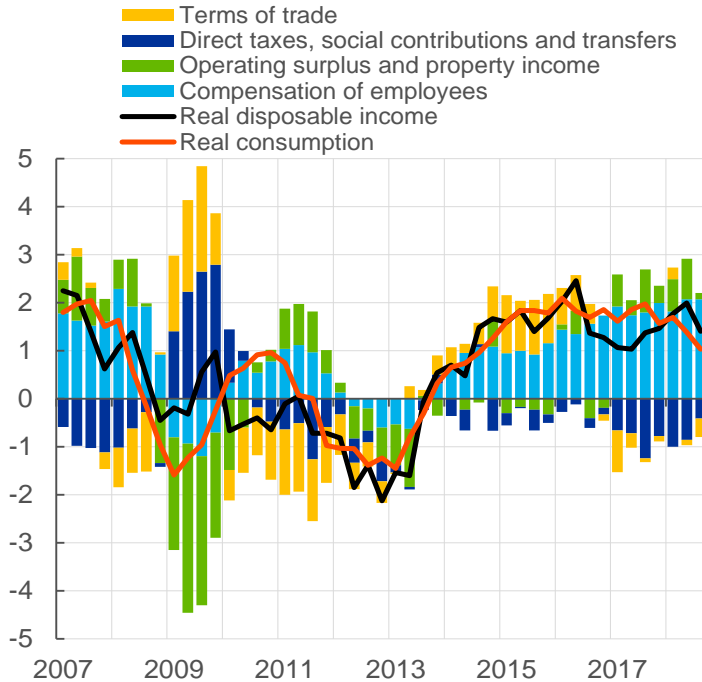
## Manufacturing new orders

(diffusion index, 50 = no change)



Source: Markit.  
Last observation: January 2019.

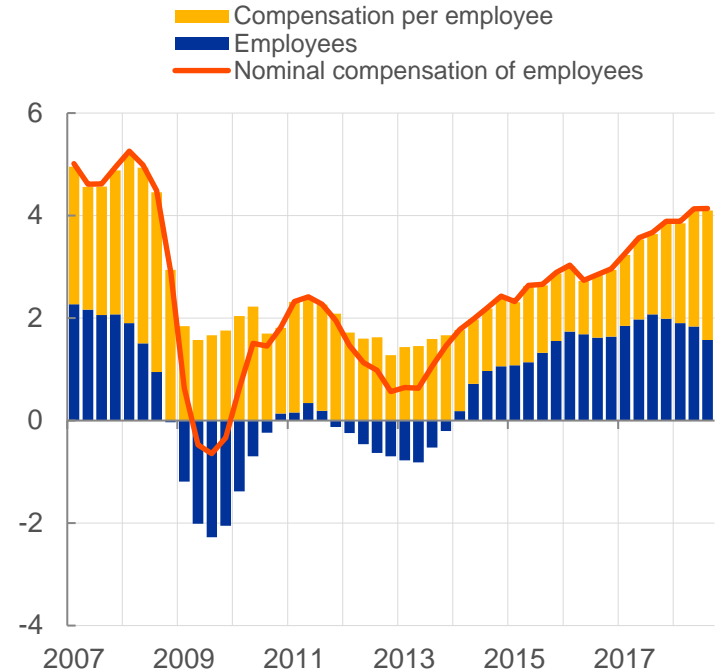
## Real private consumption and disposable income (annual % changes, pp contributions)



Sources: Eurostat, ECB calculations.

Notes: All income components are deflated with the GDP deflator. The contribution from the terms of trade is proxied using the difference between the GDP and consumption deflators. Consumption and total disposable income are deflated with the consumption deflator. Latest observation: 2018Q3.

## Compensation of employees (annual % changes, pp contributions)



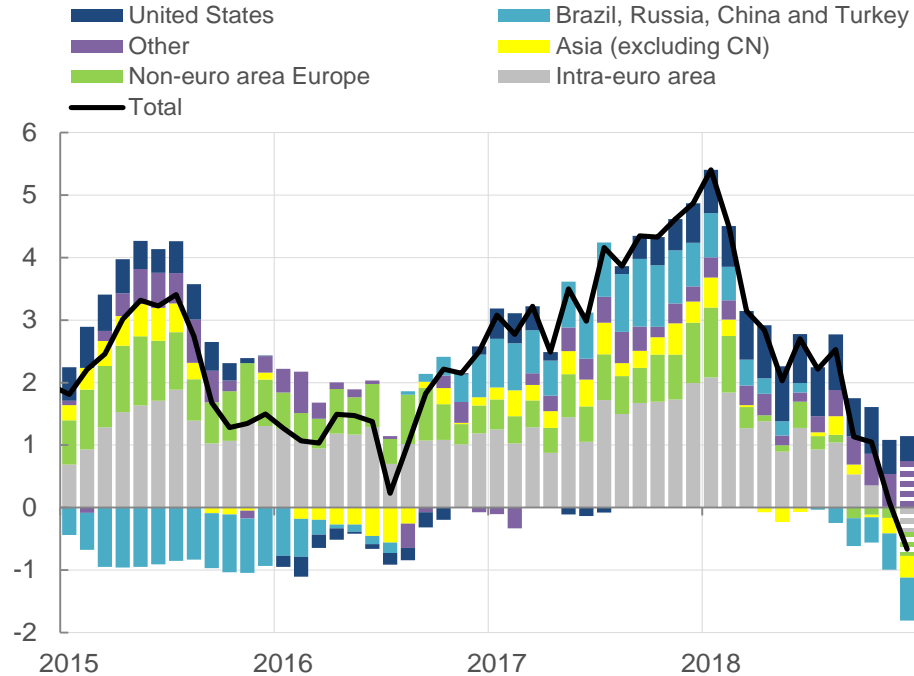
Sources: Eurostat, ECB calculations.

Latest observation: 2018Q3.



# Euro area goods exports by destination

(real, 3m-3m quarterly % changes, pp contributions)

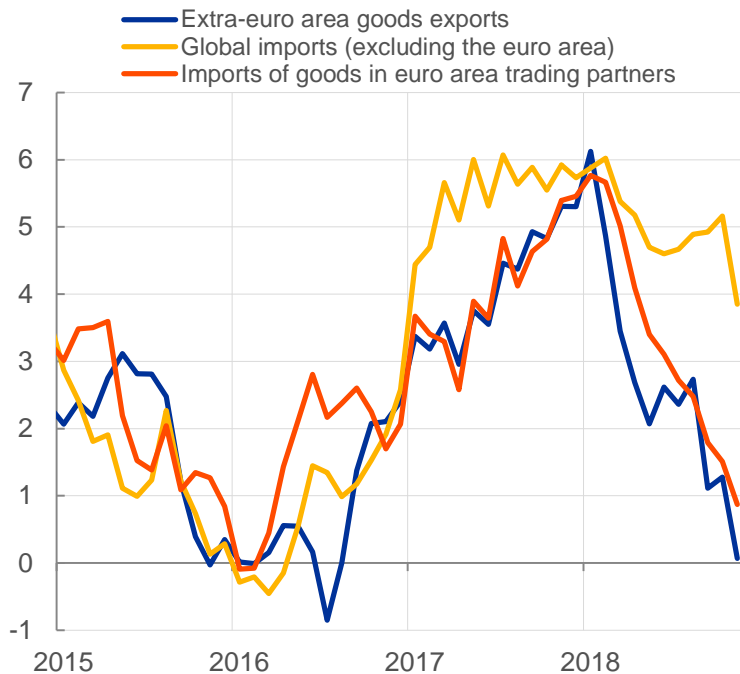


Sources: Eurostat (External trade statistics) and ECB staff calculations.

Note: The dashed bars have been computed by imputing the average of previous three months contributions. Latest observations: November 2018. December available for United States, Asia (excl. CN) and Brazil, Russia, China and Turkey.

## Global and euro area trading partners' imports

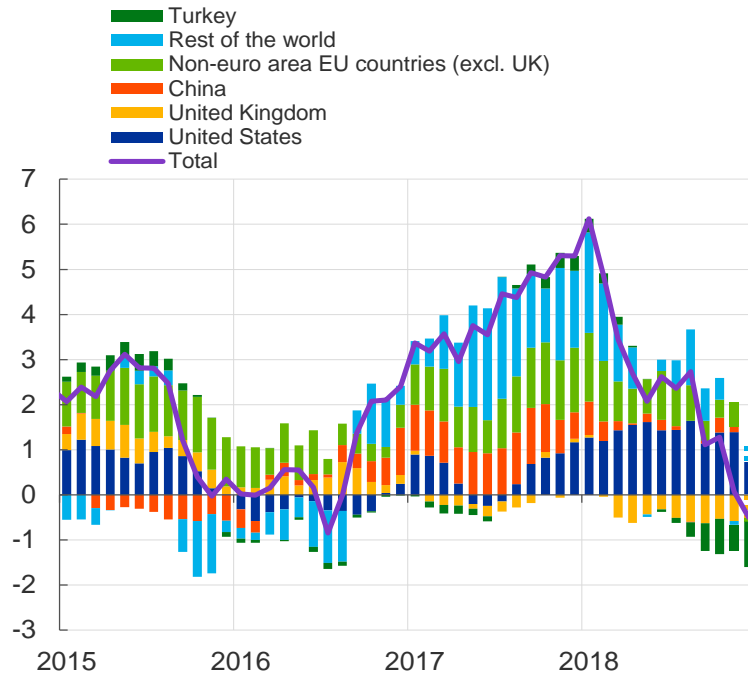
(real, 3m-3m annual % changes, pp contributions)



Sources: Eurostat (External trade), CPB and ECB staff calculations. Last observation: November 2018. Imports of goods in euro area trading partner is constructed with euro area partners' imports weighted with respective euro area trade shares.

## Extra euro area goods exports by destination

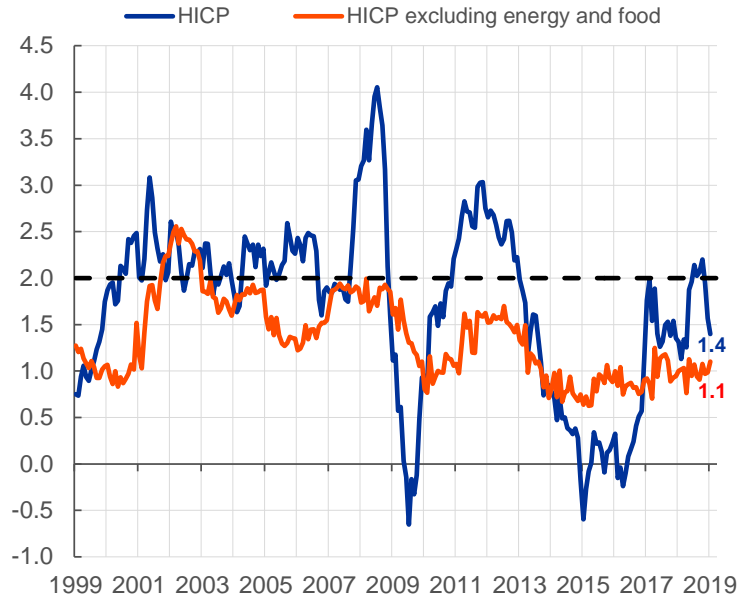
(real, 3m-3m quarterly % changes, pp contributions)



Sources: Eurostat (External trade), ECB staff calculations. Note: The dashed bars have been computed by imputing the average of previous three months contributions. Latest observations: November 2018. December for United States, China and Turkey.

## HICP and HICP excluding energy and food

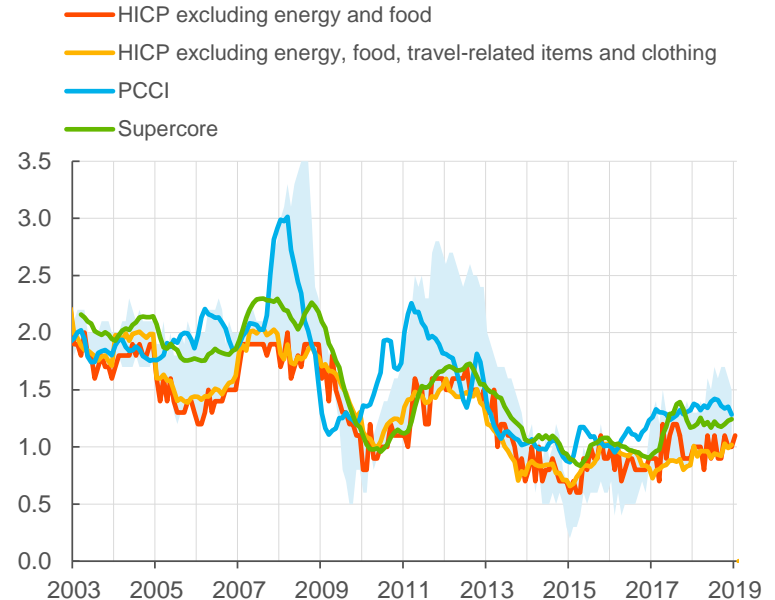
(annual % changes)



Source: Eurostat.  
Latest observation: January 2019 (flash estimates).

## Measures of underlying inflation

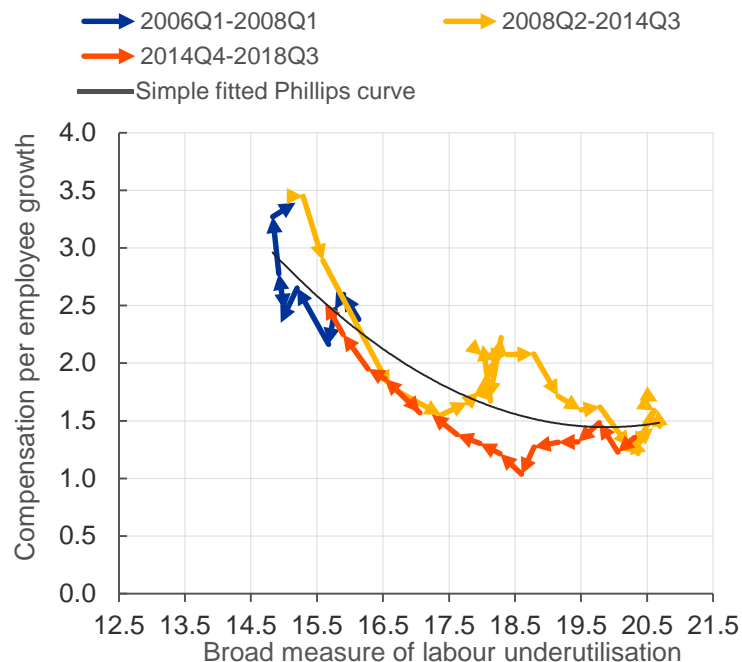
(annual % changes)



Sources: Eurostat, ECB calculations.  
Notes: PCCI (permanent and common component of inflation) estimated in a dynamic factor model based on the full 93 HICP items from each of 12 countries. Supercore is based only on those items in HICP excluding energy and food that are sensitive to the output gap. The range includes exclusion-based measures, trimmed means and a weighted median. Latest observation: January 2019 (flash estimate) for HICP excluding energy and food and December 2018 for the rest.

## Wage Phillips curve

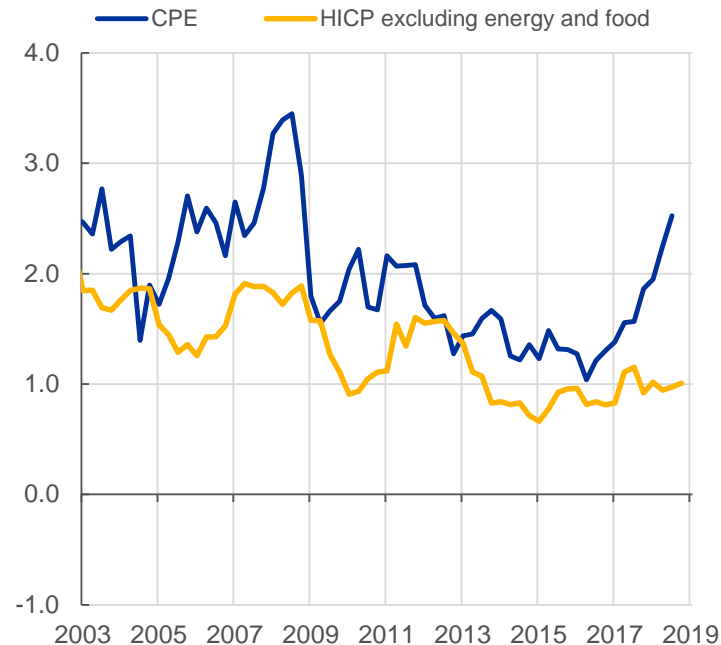
(x-axis: %; y-axis: annual % changes)



Sources: Eurostat, ECB calculations.

Note: Broad measure of labour underutilisation is the ratio of the (i) total unemployed, (ii) underemployed part-time workers who currently have jobs, although not at the optimal weekly hours they would like, and (iii) inactive persons marginally attached to the labour market, to the labour force plus all marginally attached workers. The broad unemployment rate forecast assumes that the difference between the broad and standard unemployment rate declines at the same pace as observed in the past 4 quarters. The black line represents a simple fitted Phillips curve. The fitted curve is based on data for 2006Q1 to 2018Q3.

## Compensation per employee and HICP excluding energy and food (annual % changes)



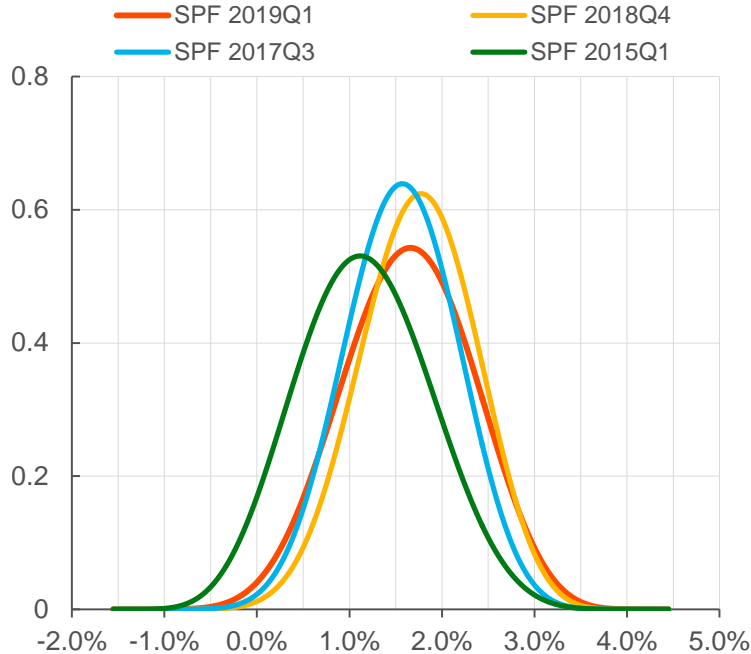
Sources: Eurostat, ECB staff calculations.

Latest observations: 2018Q4 for HICP excluding energy and food and 2018Q3 for compensation per employee.

Note: Based on quarterly data.

## Survey-implied probability density function of euro area inflation in two years

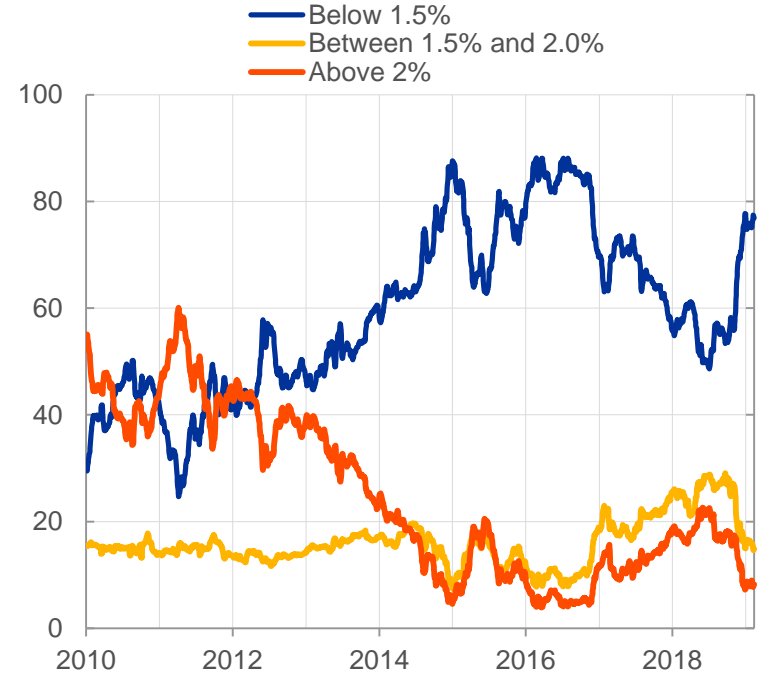
time (y-axis: density; x-axis: annual % changes)



Sources: ECB Survey of Professional Forecasters, ECB staff calculations, Survey of Professional Forecasters (SPF).  
Latest observation: 2019Q1 SPF.

## Option-implied risk-neutral probabilities of average inflation over the next 5 years

(%)



Sources: Bloomberg, Thomson Reuters, ECB calculations.  
Notes: Probabilities implied by five-year zero-coupon inflation options, smoothed over five business days. Risk-neutral probabilities may differ significantly from physical, or true, probabilities. Latest observation: 18 February 2019.