

Peter Praet

Member of the Executive Board of the ECB

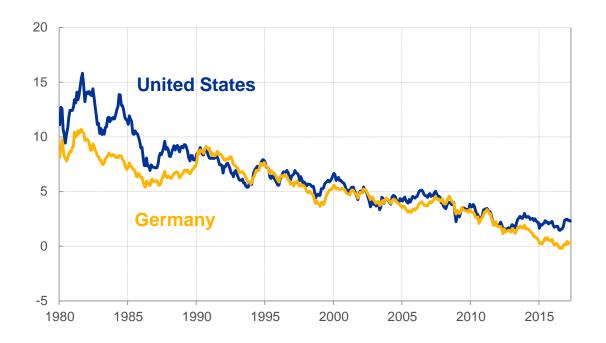
PensioPlus

Financial Seminar

Brussels, 15 May 2017

Long-term government bond yields

(10-year yields; % p.a.)



Sources: Thomson Reuters, ECB. Latest observation: April 2017.

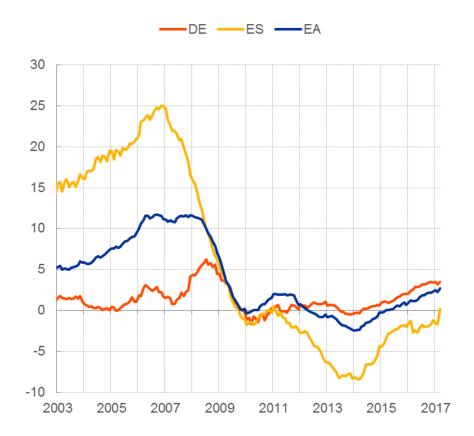
6-10 years ahead growth expectations for the euro area

(annual % change)

2.4 2.2 2.0 1.8 1.6 1.4 1.2 1.0 2003 2005 2007 2009 2011 2013 2015 2017

Bank loans to the private sector

(annual percentage changes)

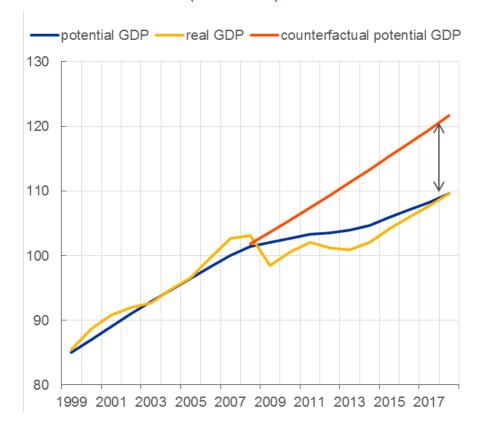


Source: Consensus Economics. Latest observation: April 2017.

Source: ECB. Latest observation: March 2017.

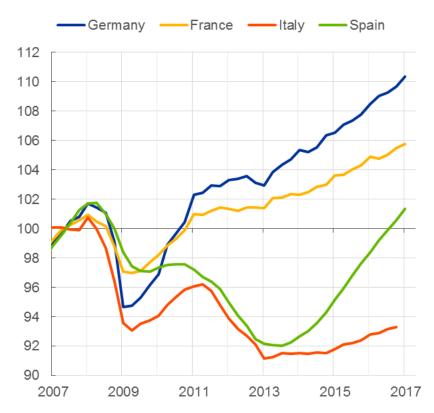
Euro area actual and counterfactual real GDP growth path

(2007 = 100)



Real GDP growth path in selected euro area countries

(2007 = 100)



Sources: European Commission, ECB calculations.

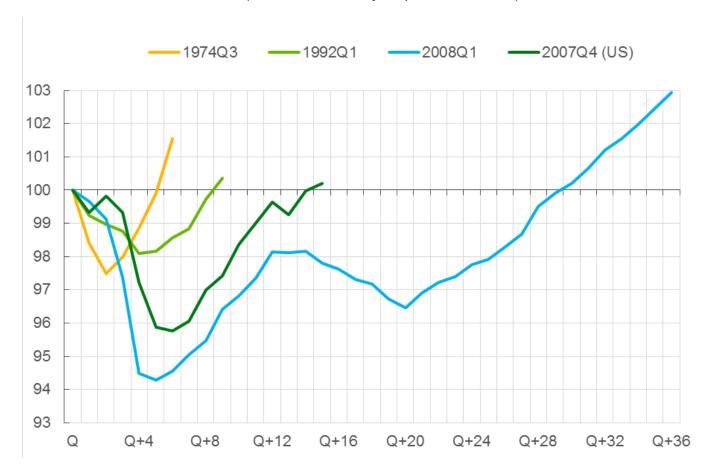
Note: Counterfactual GDP assumes that potential GDP continued to

grow at its 2007 growth rate. Latest observation: 2017Q1. Sources: Eurostat, ECB calculations.

Latest observation: 2017Q1 (Germany, France, Spain), 2016Q4 (Italy).

Euro area real GDP over various cycles and compared with the current US cycle

(index: business cycle peak = Q = 100)



Sources: Eurostat, United States Census Bureau and ECB calculations. Latest observation: 2017Q1.

HICP inflation and HICP excluding food and energy

(annual percentage changes)

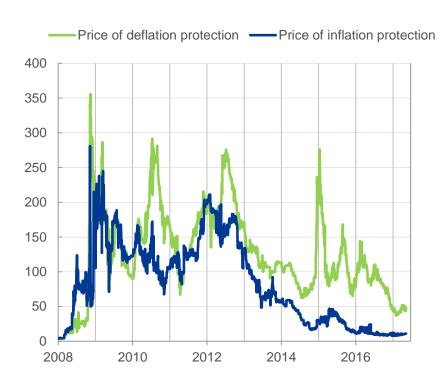
HICP —HICP excluding food and energy 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

Source: Eurostat.

Latest observation: April 2017.

Price of inflation and deflation protection

(% p.a.)



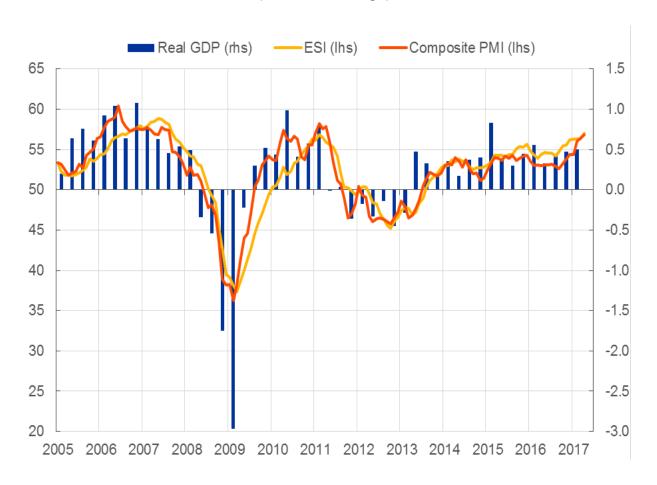
Source: Bloomberg.

Note: The price of inflation (deflation) protection refers to the price of a five-year year-on-year inflation option with a 4% cap (0% floor).

Latest observation: 10 May 2017.

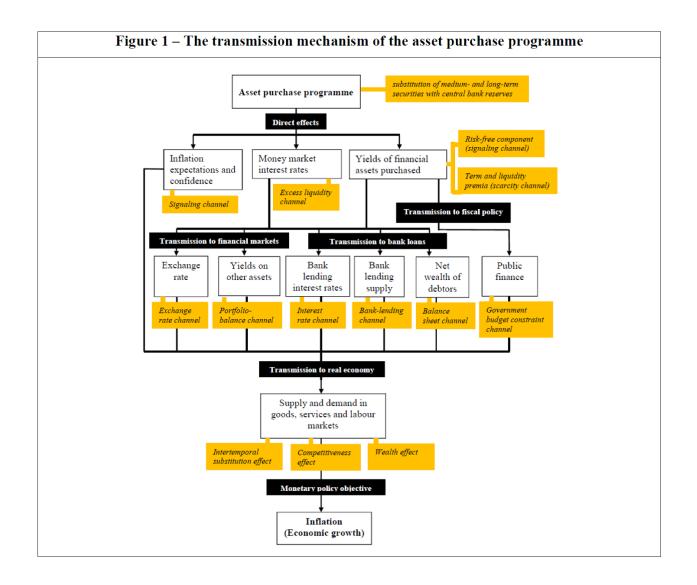
Euro area real GDP, composite PMI and ESI

(annual % change)



Sources: Markit, DG-ECFIN and Eurostat. Note: The ESI and PMI are normalised.

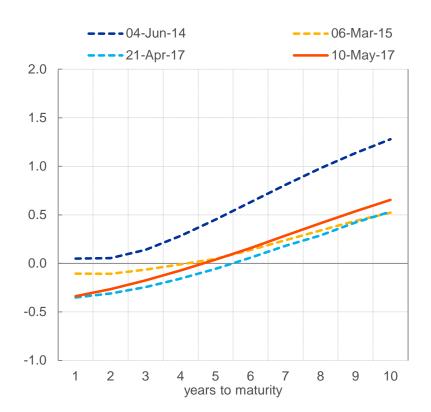
Latest observations: 2017Q1 for GDP outcome, April 2017 for the ESI and the PMI.



Source: Banca d'Italia. Questioni di Economia e Finanza (Occasional Papers), Number 270, April 2015.

OIS spot term structure

(percentages per annum)



Sources: Thomson Reuters and ECB calculations.

Change in EONIA forward yield curve

(percentages per annum)

-Change from 8 March to 16 March 2017

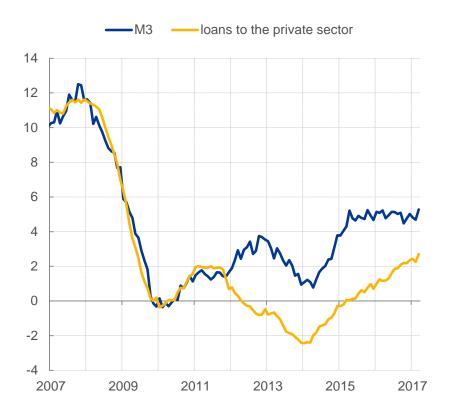
—Change from 8 March to 21 April 2017



Sources: Thomson Reuters and ECB calculations. Latest observation: 2 May 2017.

M3 and loan growth

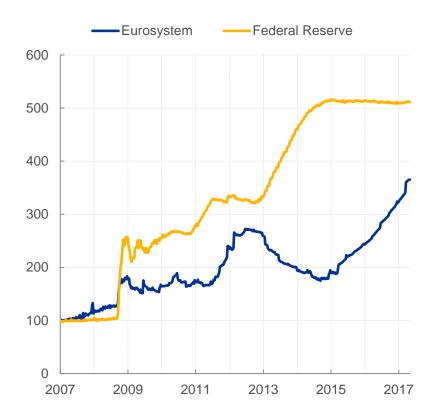
(annual percentage changes)



Source: ECB. Latest observation: March 2017.

Central bank balance sheets

(Jan. 2007 = 100)



Sources: ECB, Federal Reserve. Latest observation: 5 May 2017.

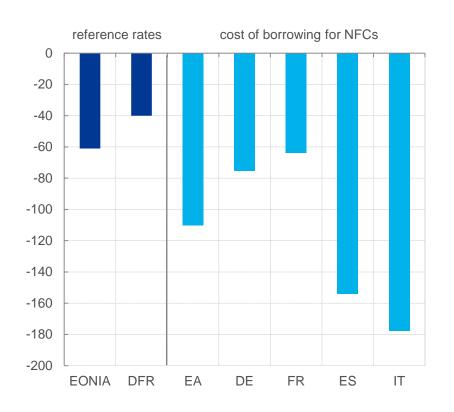
Composite lending rates to NFCs

(percent per annum)

cross-country dispersion ——DE ES EΑ 8.0 6.0 4.0 2.0 0.0 2013 2007 2009 2011 2015 2017

Changes in reference rates and NFCs' cost of borrowing, May 2014 – March 2017

(basis points)



Source: ECB.

Notes: The indicator for the total cost of bank borrowing is calculated by aggregating short and long-term rates using a 24-month moving average of new business volumes. The cross-country dispersion displays the min and max range over a fixed sample of 12 euro area countries.

Latest observation: March 2017.

ECB monetary policy measures since June 2014

	Jun. 2014	Sep. 2014	Jan. 2015	Dec. 2015	Mar. 2016	Dec. 2016
Rate cuts	MRO: 0.15%: MLF: 0.40%; DRF: -0.10%	MRO: 0.05%: MLF: 0.30%; DRF: -0.20%		MRO: 0.05%: MLF: 0.30%; DRF: -0.30%	MRO: 0.00%: MLF: 0.25%; DRF: -0.40%	
TLTROs	Fixed rate (MRO) Max. maturity: Sep. 2018 Uptake depends on net lending Mandatory early repayment				Fixed rate at MRO or below if lending > benchmark (min. DFR) No mandatory early repayment	
Private asset purchases		Broad portfolio of simple & transparent ABS and CBs		APP recalibration I	Purchase of inv grade NFC bonds with high pass-through to real economy	APP recalibration III • €60bn monthly purchases until December
Public asset purchases			Purchases in EA sov. debt markets €60bn monthly purchases, incl. ABSPP/CBPP3	 Extension to Mar. 2017 Reinvestment of principal payments 	APP recalibration II • €80bn monthly purchases • Higher issue share limit for certain issuers	 2017 Min. remaining maturity for PSPP eligible securities decreased from 2y to 1y Purchases below DF rate allowed if necessary