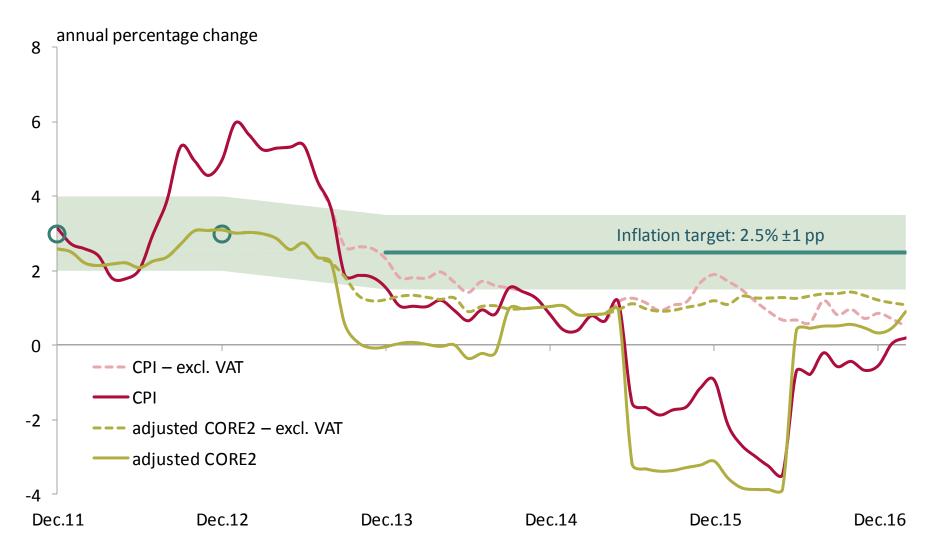


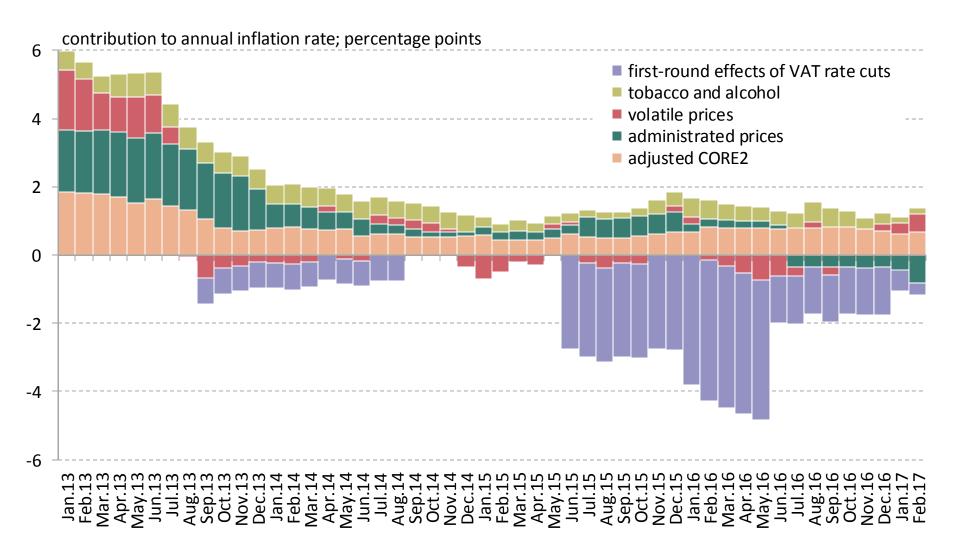
Romania: Recent Macroeconomic & Banking System Developments

April 2017

Inflation rate



Contributions to annual inflation rate

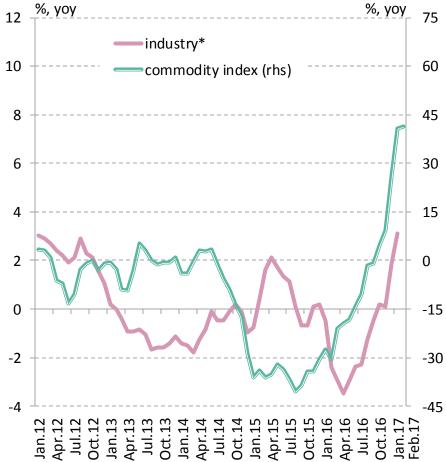


Producer prices

Domestic PPI – Romania

%, yoy 10.0 industry intermediate goods 7.5 energy capital goods 5.0 consumer goods 2.5 0.0 -2.5 -5.0 -7.5 -10.0 Jan.16 Oct.13 Apr.15 Oct.14 Jan.15

Non-domestic PPI – EA19 and commodity prices

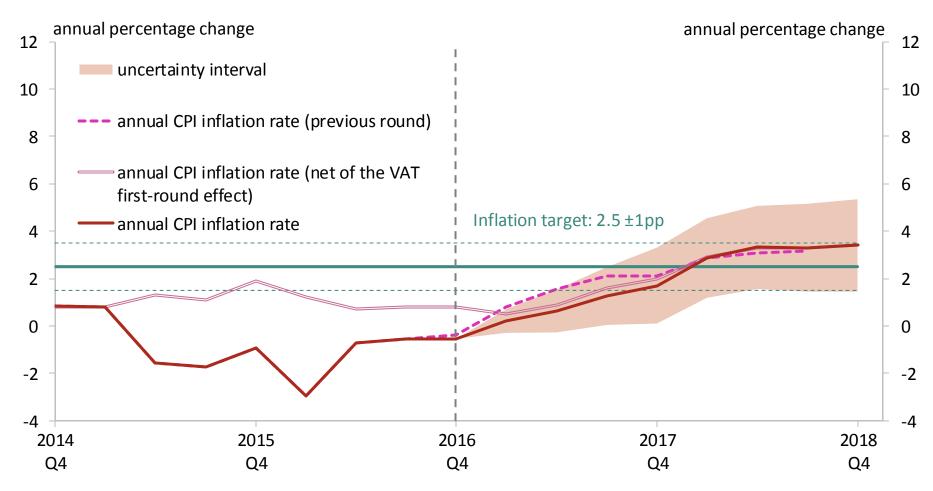


*) data not available for February 2017

Source: Eurostat, International Monetary Fund



Inflation forecast



Note: According to the February 2017 Inflation Report. The uncertainty interval was calculated based on the forecast errors in the NBR projections during 2005-2016. The magnitude of forecast errors is positively correlated with the time horizon they refer to.

Source: National Institute of Statistics, National Bank of Romania projections and calculations

Exogenous pressures on inflation

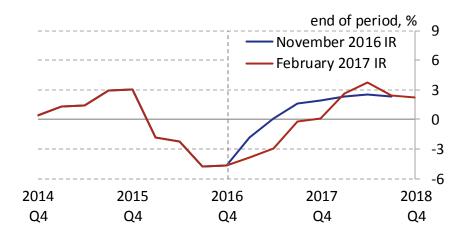
Dynamics of administered prices:

✓ The forecast for 2017 was revised downwards by 1.9 percentage points, mainly amid scrapping a number of non-tax fees and charges starting February (primarily the subscription for national radio-TV services)

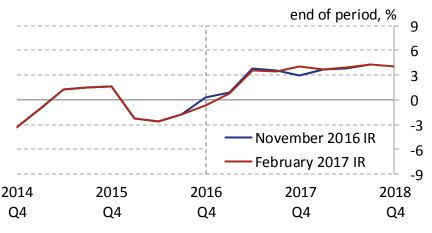
The trajectory of volatile food prices:

 Is based on the assumption of normal agricultural years domestically

Administered prices annual inflation



Volatile food prices annual inflation



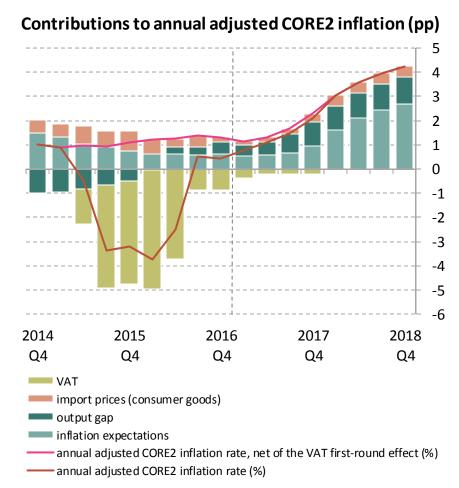
Source: NIS, NBR projections

Annual adjusted CORE2 inflation projection

– determinants –

Upward path, as a result of:

- ✓ The successive fading-out of first-round statistical effects of the standard VAT rate cuts
- The gradual build-up of inflationary pressures stemming from fundamental factors:
 - increase in excess demand, prompted by the expansionary fiscal policy stance and the higher disposable income
 - the evolution of import prices for consumer goods, amid the advance in dynamics of external prices
 - upward trajectory of inflation expectations* driven by these factors



Note: The annual adjusted CORE2 inflation is calculated as a quarterly average, in line with its econometrically-modelled determinants.

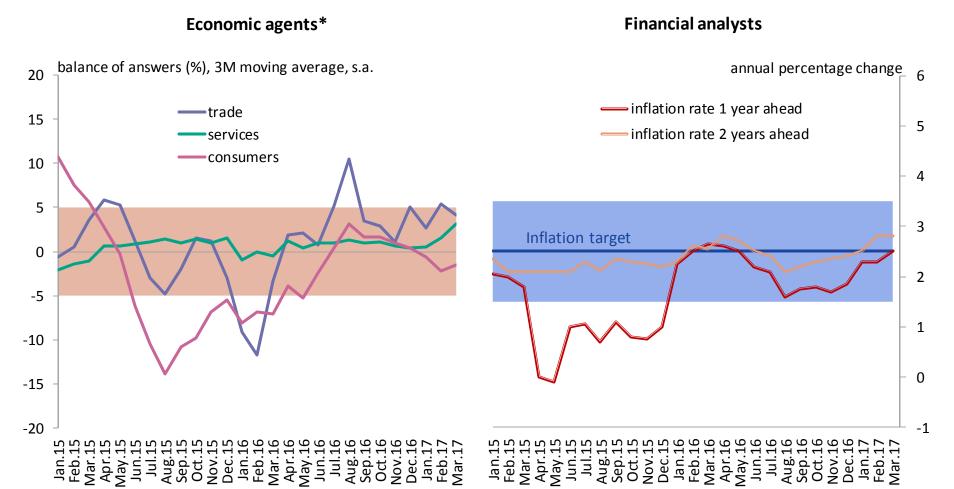
Source: NBR calculations

^{*)} backward- and forward-looking

Potential causes for inflation to deviate from the projected path

Causes	Balance of risks to the inflation path is assessed to be in equilibrium			
 External coordinates: volatility of capital flows to emerging economies, given the adjustment of the monetary policy stances of the world's major central banks, the implications of the new US 				
Administration's economic policies on the world economic outlook, the Brexit, and the issues facing the European banking system	Tilted to the upside			
 the prospects for economic growth and inflation in the euro area/EU and across major emerging economies 				
Uncertainty about fiscal and income policies:	A			
 potential deviations from the set of fiscal measures included in the 2017 draft budget on either revenue or expenditure side 	Tilted to the upside			
 favouring fiscal or wage-related measures aimed at boosting less sustainable domestic demand components to the detriment of those meant to increase capital expenditures 	эрэгэ			
Global commodity prices (food, energy)	In equilibrium			
Administered price dynamics, conditional upon available information:	Tilted to the			
 uncertainties surrounding the future adjustments in natural gas and electricity prices 	downside			

Inflation expectations



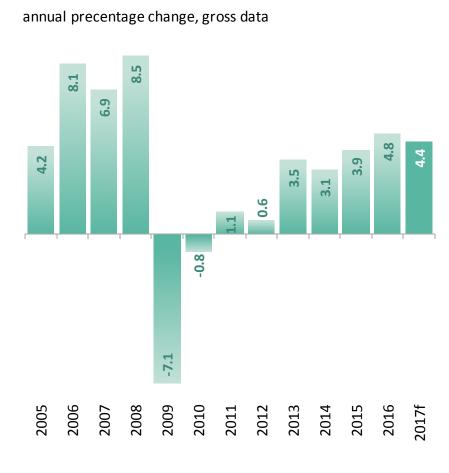
^{*) 3-}month horizon for trade and services companies and 12-month horizon for consumers; the annual inflation staying inside the ±5 percent variation band indicates price stability

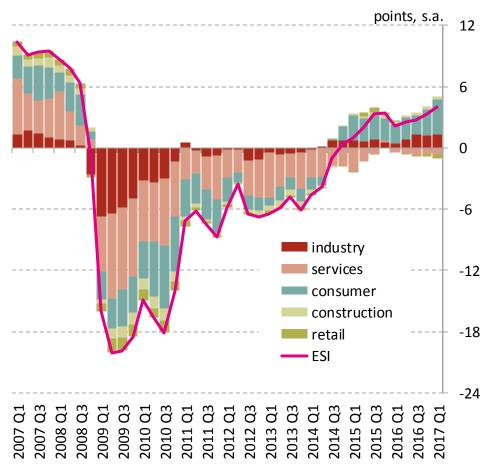
Source: EC-DG ECFIN survey, National Bank of Romania survey among financial analysts

Economic activity



Economic confidence*





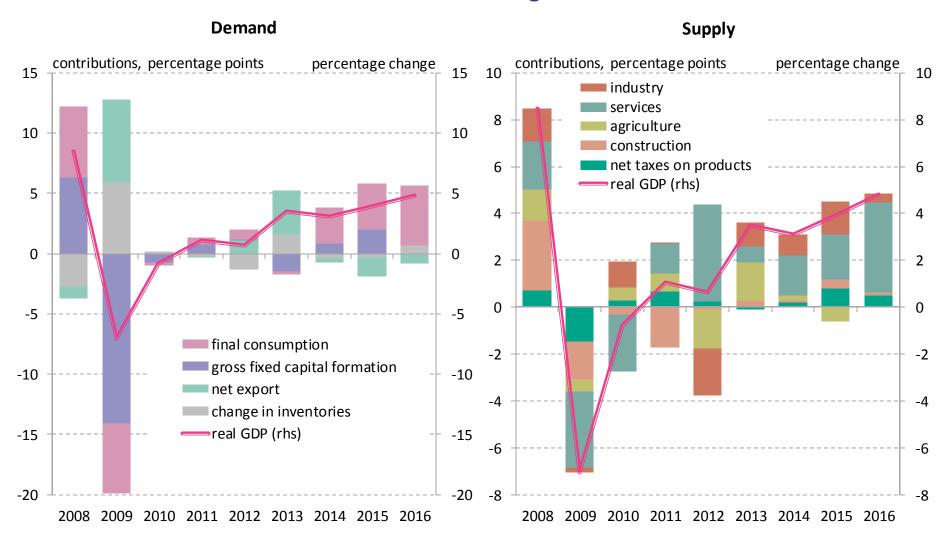
f) European Commission - Economic Forecast, Winter 2017

Source: National Institute of Statistics

*) deviation from the historical average (Apr. 2002 – Mar. 2017)

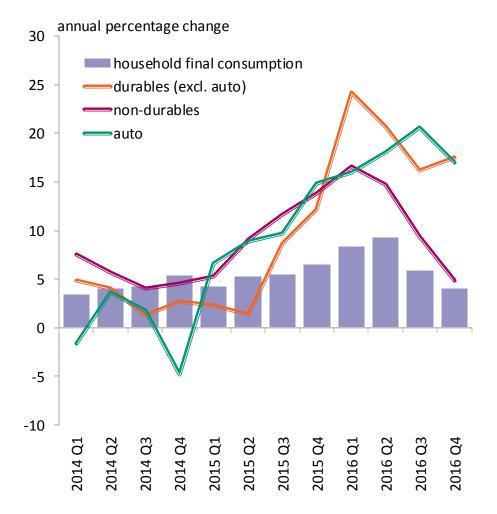


Contributions to growth

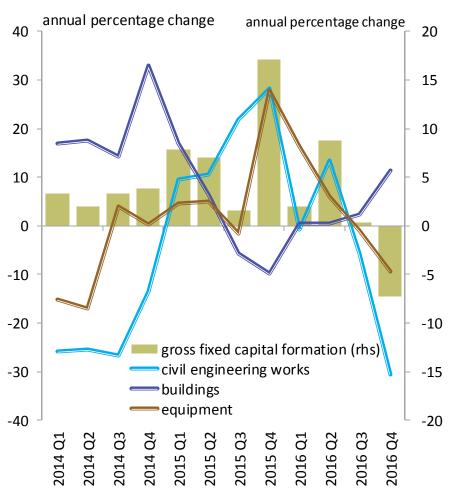


Domestic demand

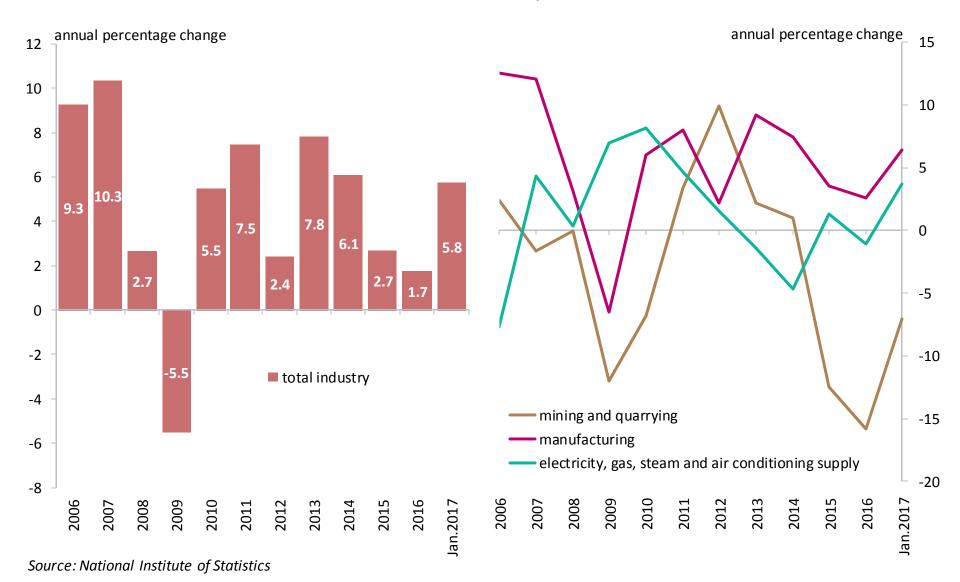




Investment

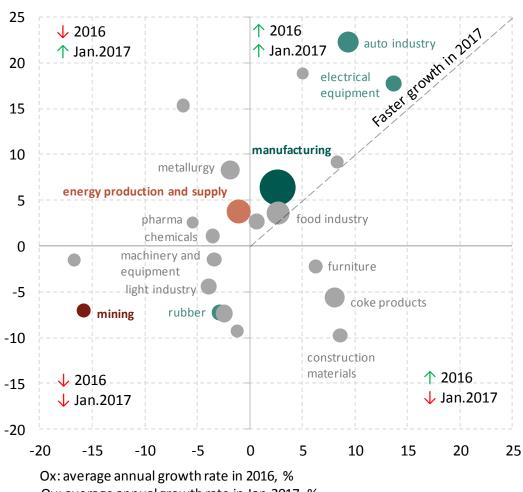


Industrial output



Recent developments in industry

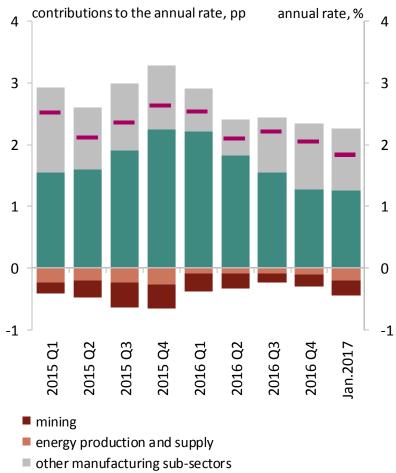
Industrial production



Oy: average annual growth rate in Jan. 2017, %

Source: National Institute of Statistics, National Bank of Romania calculations

Employees in industry

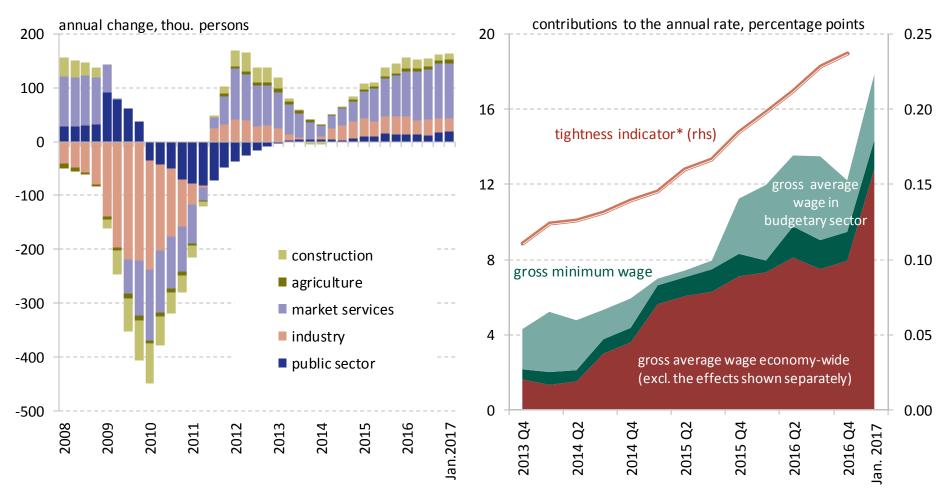


- auto and related industries (rubber, electrical equipment)
- industry (rhs)

Labour market conditions



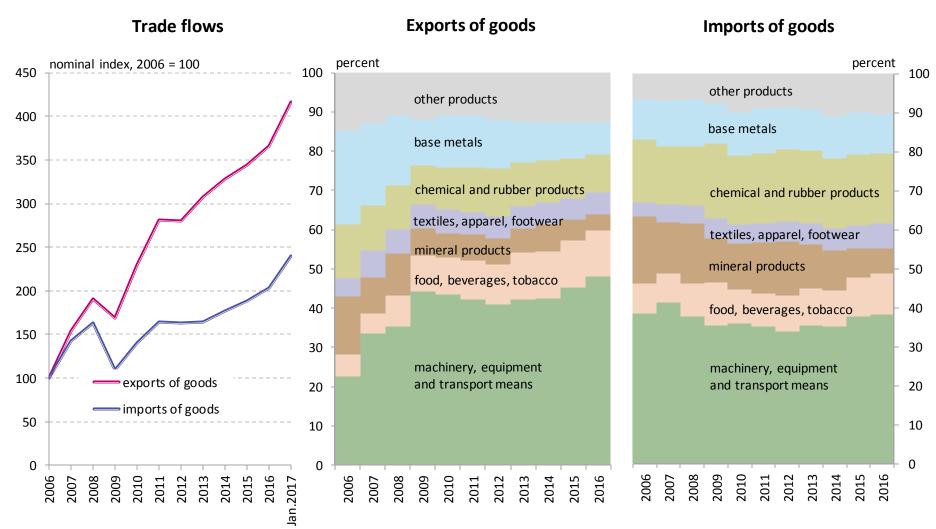
Labour market tightness



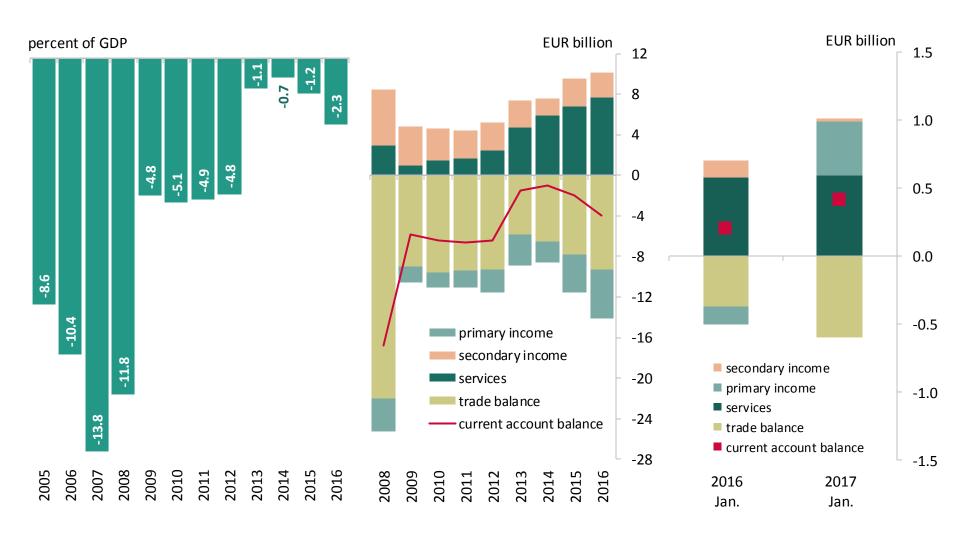
^{*)} calculated as a ratio of job vacancy rate to ILO unemployment rate; a higher level indicates tighter labour market conditions

Source: Eurostat, National Institute of Statistics, National Bank of Romania calculations

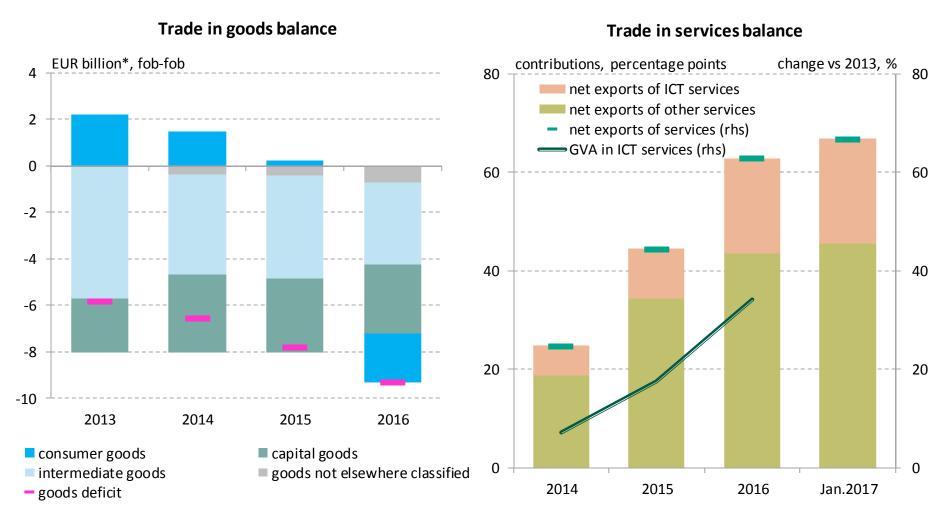
External trade in goods



Current account balance



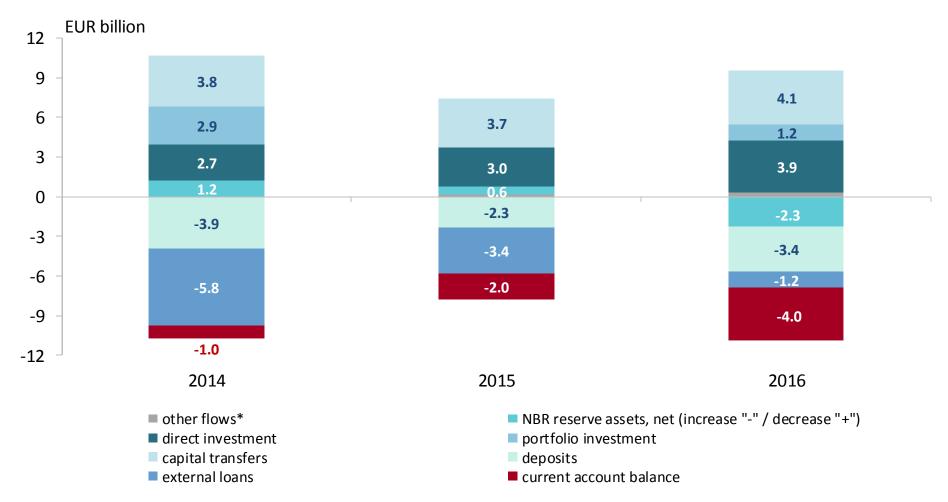
Trade balance



^{*)} according to BPM6, goods under outward processing trade arrangements are excluded

Source: National Institute of Statistics, Eurostat, National Bank of Romania calculations

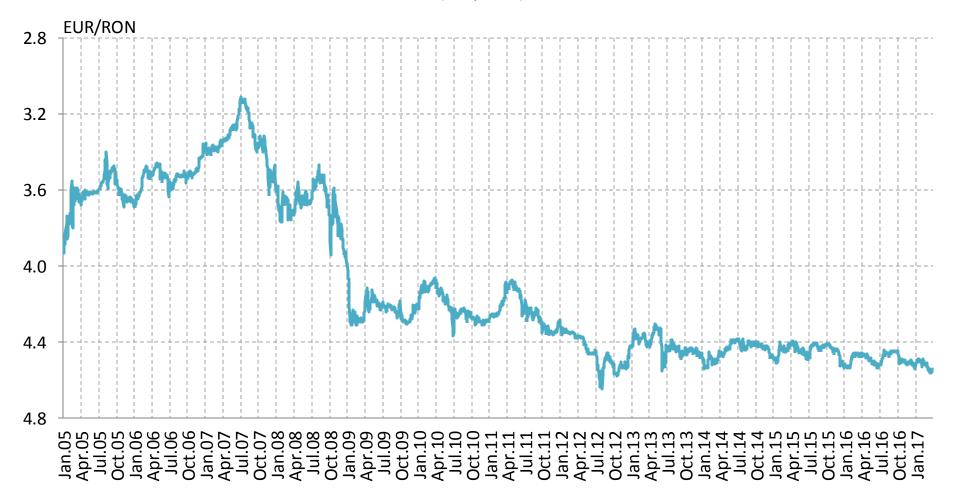
Current account deficit financing



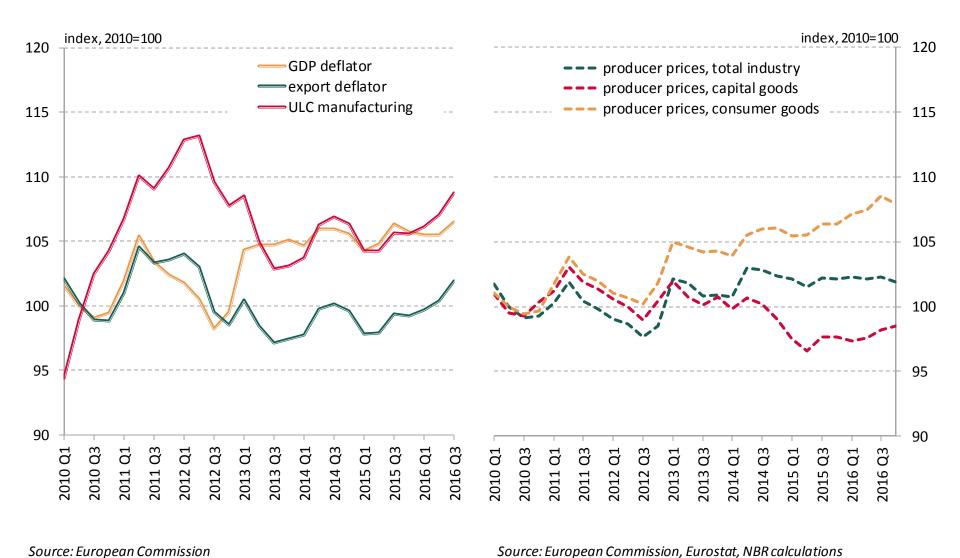
^{*)} mainly consist of trade credits and advances and other accounts

Nominal exchange rate

(daily data)

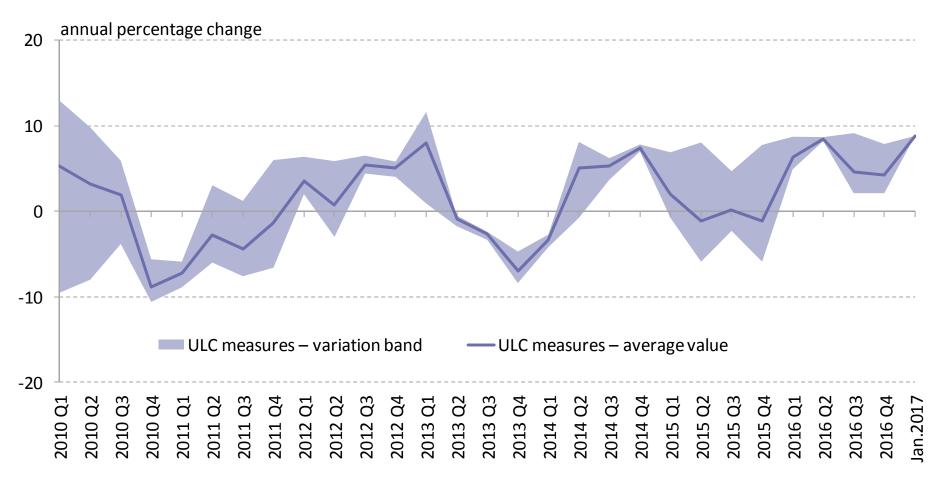


Real effective exchange rate





Unit labour cost developments



^{*)} Q1 data available only for unit wage costs in industry

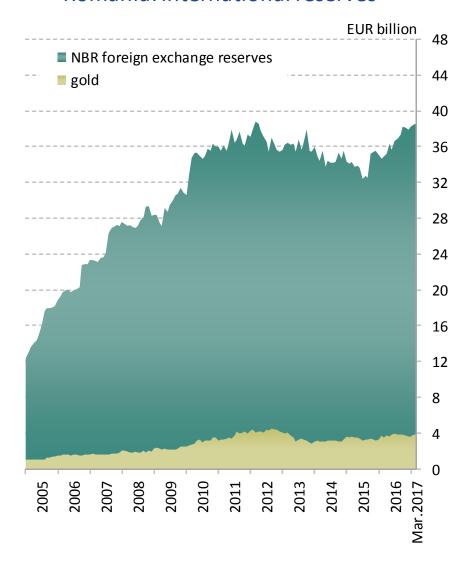
Note: ULC measures include the annual dynamics of unit labour costs economy-wide (based on both the number of persons employed and the hours worked) and unit wage costs in industry.

Source: Eurostat, National Institute of Statistics, National Bank of Romania estimates

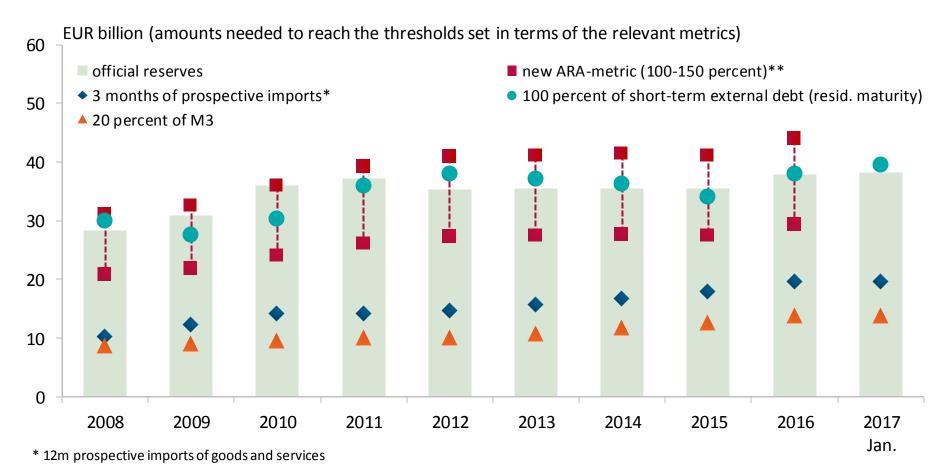
Romania: foreign reserve assets

EUR billion ■ banks' foreign exchange reserves ■ NBR foreign exchange reserves gold Jan.2017

Romania: international reserves



Official reserves adequacy



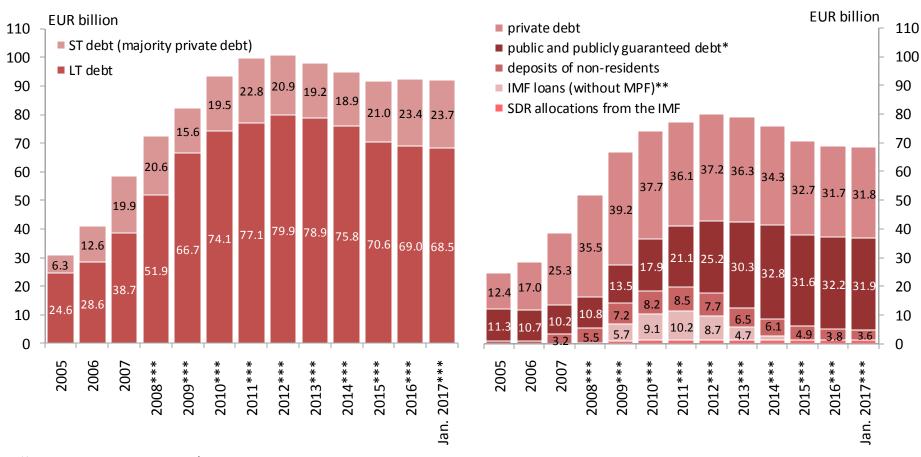
^{**} This indicator is calculated based on the IMF's measure developed for emerging market economies. A broader-based metric is considered in order to capture risk sources such as external liabilities, external demand contraction and capital flight.

For a flexible exchange rate regime, New ARA-metric = 30% of ST debt (resid. maturity) + 10% of Other liabilities + 5% of Prospective exports of goods and services + 5% of Broad Money.

Source: International Monetary Fund, National Bank of Romania

Total external debt

Long-term external debt



^{*)} external loans taken directly/guaranteed by the MPF and local general government in compliance with the legislation on public debt, including Government Emergency Ordinance No. 99/2009 ratifying the Stand-By Arrangement between Romania and the IMF

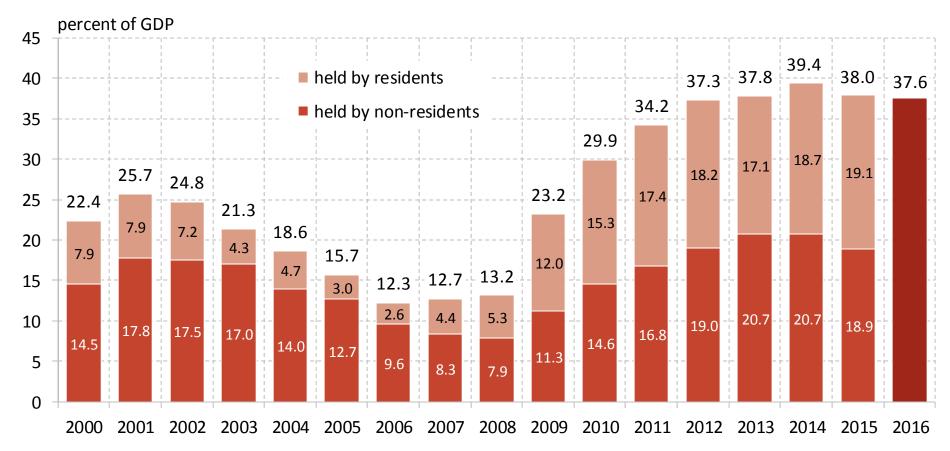
***) according to the IMF's BPM6



^{**)} IMF borrowings under the Stand-By Arrangement concluded with the IMF, excluding the amount received by the MPF from the IMF according to Government Emergency Ordinance No. 99/2009

Public debt

(according to ESA2010)

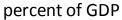


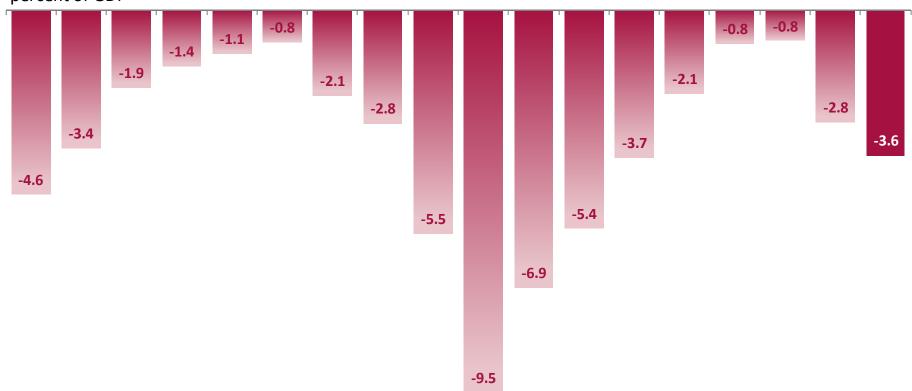
Note: Government securities in MFIs portfolio as a share of GDP in Dec.07=1.4%, Dec.08=2.1%, Dec.09=7.0%, Dec.10=9.4%, Dec.11=10.6%, Dec.12=11.6%, Dec.13=11.1%, Dec.14=11.3%, Dec.15=11.2%, Dec.16=10.9% and Feb.17=10.5%.

Source: Ministry of Public Finance, National Bank of Romania, National Institute of Statistics

General government balance

(according to ESA2010)





2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016e 2017f

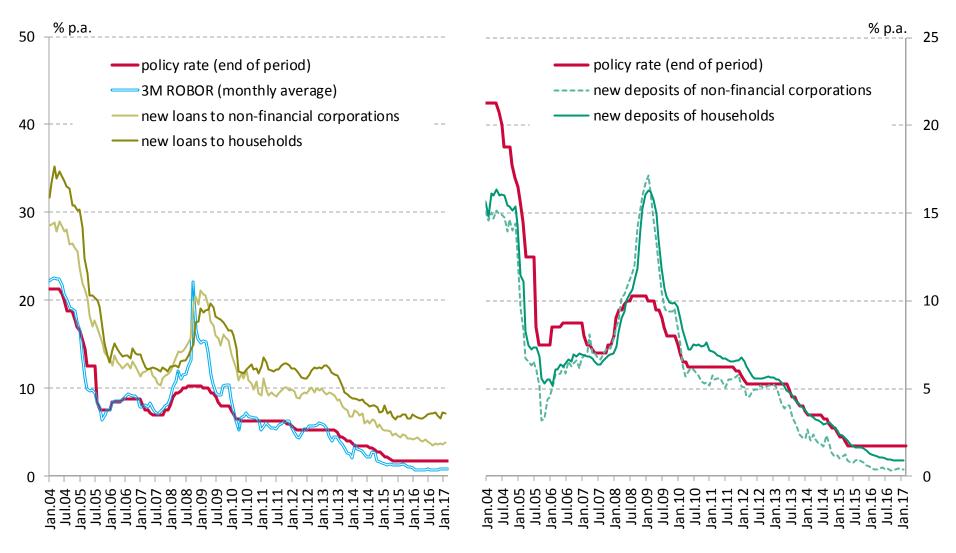
e) estimate

Source: Ministry of Public Finance, National Institute of Statistics

f) European Commission – European Economic Forecast, Winter 2017

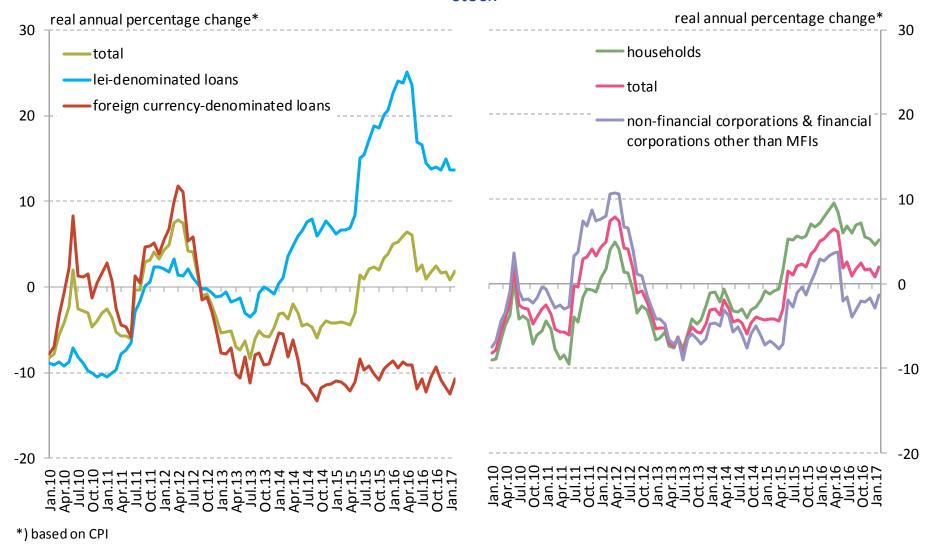


Policy rate and bank interest rates to non-bank clients



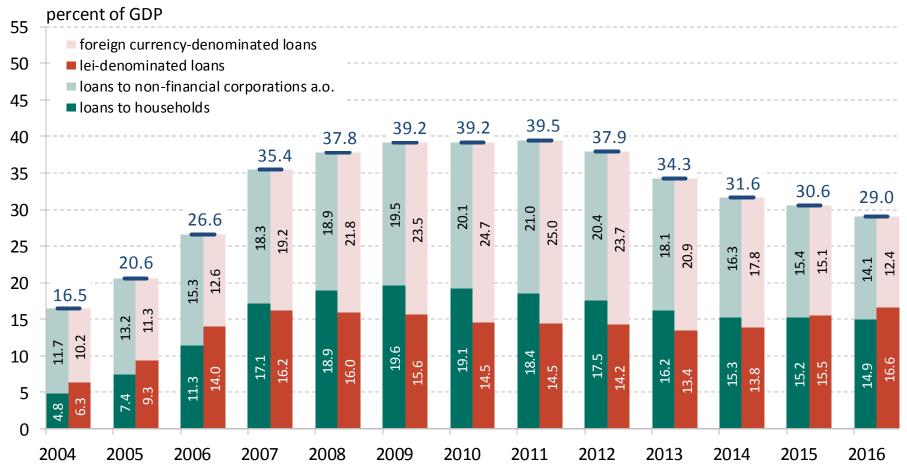
Loans to the private sector

- stock -



Financial intermediation*

- stock -

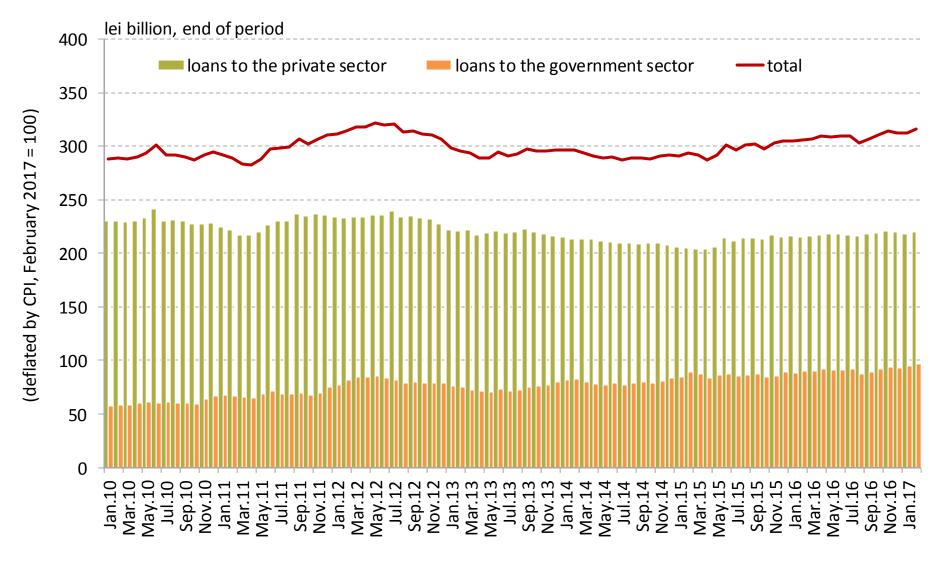


*) loans to the private sector / GDP

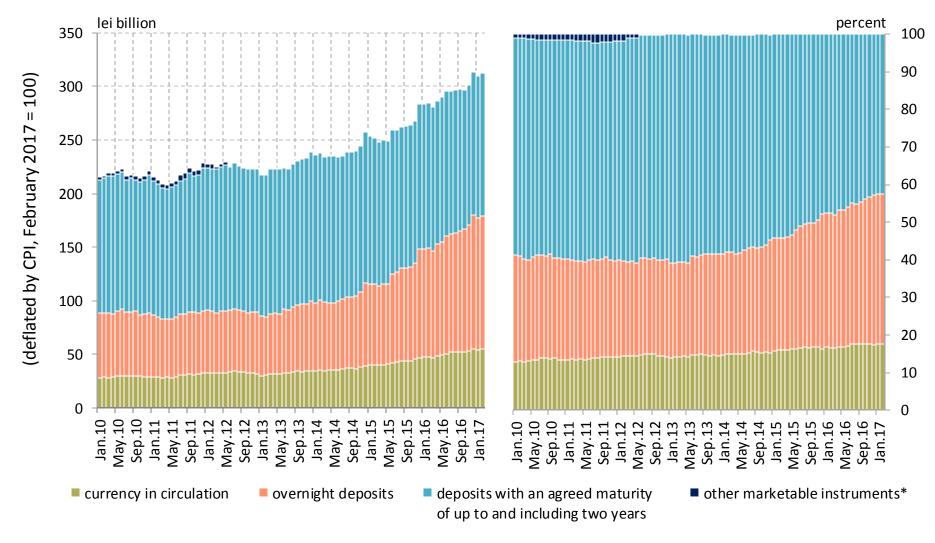
Source: National Institute of Statistics, National Bank of Romania, National Commission for Prognosis



Domestic credit



Broad money (M3)



^{*)} repurchase agreements, money market fund shares and units, negotiable debt securities with a maturity of up to and including two years

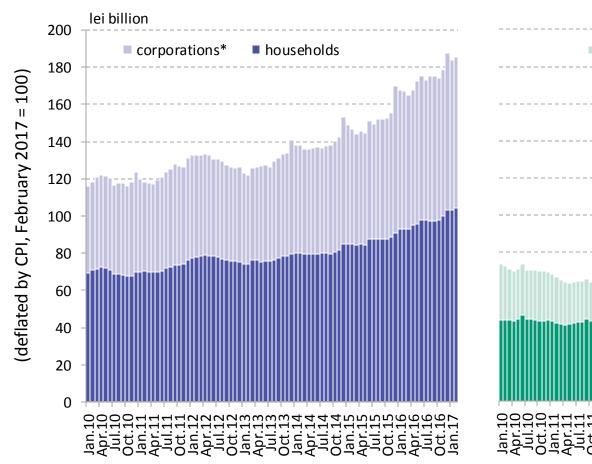


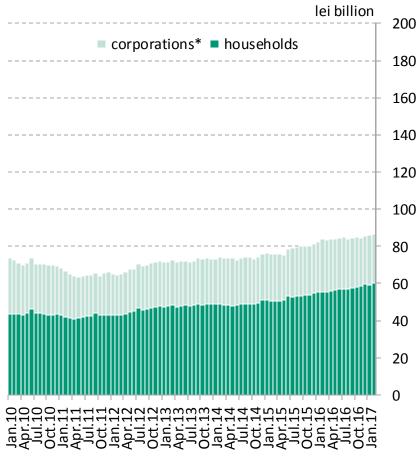
Private sector deposits

(in real terms)

lei-denominated deposits

foreign currency-denominated deposits

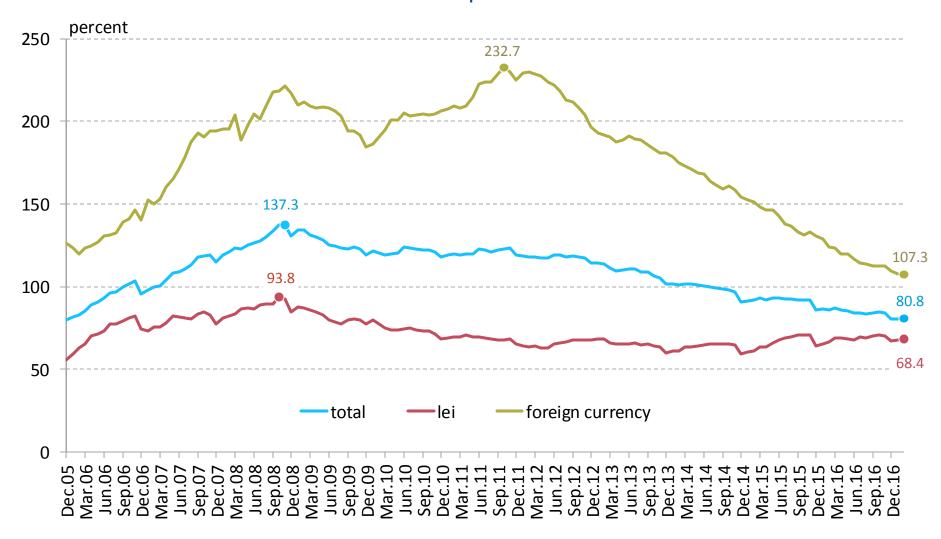




*) non-financial corporations and financial corporations other than MFIs

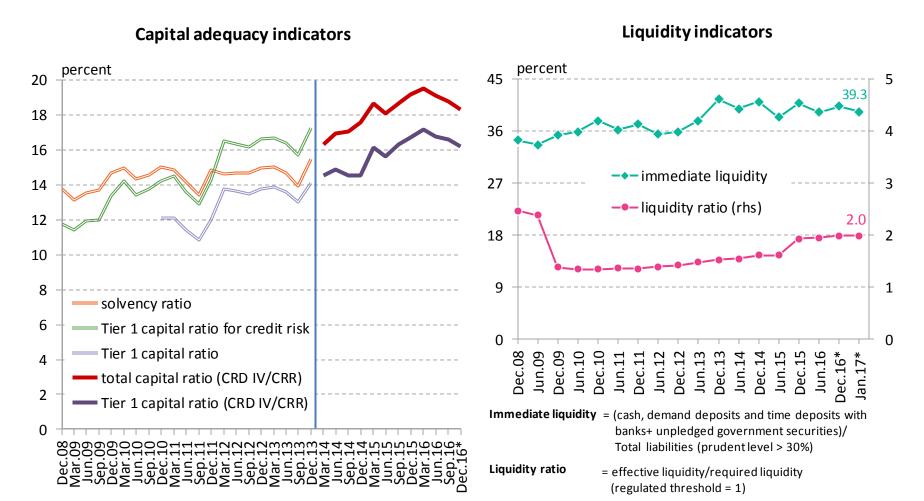


Loan-to-deposit ratio*



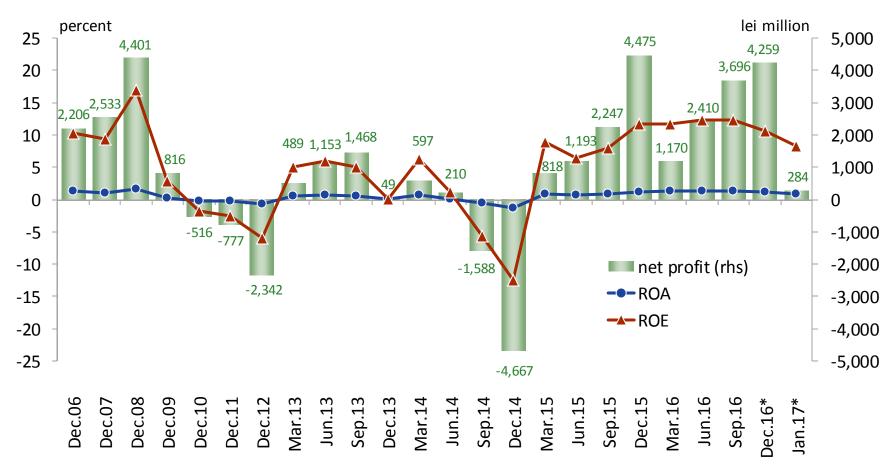
^{*)} based on data in the monetary balance sheet

Analysis ratios for the banking system



^{*)} indicators are calculated based on data in prudential reports, prior to submission of audited annual accounts

Banking system profitability



^{*)} indicators are calculated based on data in prudential reports, prior to submission of audited annual accounts Note: Starting January 1, 2012, Romanian credit institutions apply the IFRS for accounting purposes.

Indicators	Dec.12	Dec.13	Mar.14	Jun.14	Sep.14	Dec.14	Mar.15	Jun.15	Sep.15	Dec.15	Mar.16	Jun.16	Sep.16	Dec.16*	Jan.17*
Capital adequacy															
1 Total capital ratio (former solvency ratio)	14.9	15.5	16.3	17.0	17.1	17.6	18.6	18.1	18.7	19.2	19.5	19.1	18.8	18.3	х
2 Tier 1 capital ratio (Tier 1 capital / total risk exposure amount)	13.8	14.1	14.5	14.9	14.5	14.6	16.1	15.6	16.3	16.7	17.2	16.8	16.6	16.2	х
3 Common equity Tier 1 capital ratio (common equity Tier 1 capital / total risk exposure amount)					14.5	14.6	16.1	15.6	16.3	16.7	17.2	16.8	16.6	16.2	x
4 Leverage ratio (1)	8.0	8.0	8.6	7.9	7.6	7.4	8.3	8.0	8.3	8.2	8.7	8.6	8.6	8.3	х
Asset quality															
5 Impaired loans to non-bank clients (gross value) / Total loan portfolio to non-bank clients (gross value)	21.9	24.3	25.0	23.7	20.6	19.7	19.3	18.1	17.6	15.7	15.4	12.8	11.4	11.2	11.3
6 Impaired loans to non-bank clients (net value) / Total loan portfolio to non-bank clients (net value)	12.0	11.6	12.2	11.4	10.2	9.4	9.1	8.4	7.9	7.0	6.8	5.6	5.2	4.8	4.8
7 Impaired loans to non-bank clients (net value) / Total assets (net value)	7.0	6.5	6.9	6.5	5.8	5.1	5.0	4.7	4.5	3.8	3.8	3.1	2.9	2.6	2.7
8 Non-performing loan ratio (2)			20.4	19.2	15.3	13.9	13.9	12.8	12.3						
9 Non-performing loan ratio (3)					21.5	20.7	20.2	16.2	15.7	13.5	13.5	11.3	10.0	9.5	9.8
10 IFRS provisions for NPLs / NPLs			68.9	68.4	66.2	69.9	70.2	69.0	69.4						
11 IFRS provisions for NPLs / NPLs (EBA's definition)					54.1	55.6	55.7	56.2	58.1	57.7	58.2	55.6	54.5	56.2	56.8
Profitability															
12 ROA (net profit / total assets, average)	-0.64	0.01	0.67	0.12	-0.60	-1.32	0.91	0.66	0.83	1.24	1.26	1.27	1.30	1.10	0.87
13 ROE (net profit / own capital, average)	-5.92	0.13	6.30	1.10	-5.58	-12.45	8.88	6.44	7.98	11.77	11.69	12.28	12.32	10.67	8.35
Liquidity															
14 Immediate liquidity (4)	35.9	41.5	40.4	39.8	38.4	41.1	40.5	38.4	38.4	40.8	38.7	39.2	39.2	40.3	39.3
15 Liquidity ratio (effective liquidity / required liquidity) (5)	1.42	1.53	1.53	1.55	1.60	1.62	1.58	1.62	1.68	1.94	1.92	1.95	1.97	1.99	1.99

Note:

*) Indicators are calculated based on data in prudential reports, prior to submission of audited annual accounts.

(1) Tier 1 capital / Total average assets (net value) until end-December 2013 (according to the NBR definition). Once Implementing Regulation (EU) No. 680/2014 entered into force, the indicator was included in the reporting statements in compliance with the said technical standards and is reported accordingly by credit institutions.

(2) Based on data reported by all banks (both those calculating the minimum capital requirement for credit risk according to the standard approach and those applying internal rating-based models). The NPLs represent gross exposure of loans and related interest overdue for more than 90 days and/or for which legal proceedings were initiated. The definition is in line with the IMF's recommendations and allows international comparisons.

(3) EBA-defined indicator, according to which non-performing exposures are those that satisfy any of the following criteria: (i) material exposures which are more than 90 days past due; (ii) the debtor is assessed as unlikely to pay its credit obligations in full without realisation of collateral, regardless of the existence of any past due amount or of the number of days past due. In June 2015, the methodological notes on the FINREP framework at solo level were amended so as to include cash balances with the central bank and other demand deposits with credit institutions in the non-performing exposure report form.

(4) The numerator of this ratio is represented by cash, demand and time deposits with banks at net value plus unpledged government securities, while the denominator includes total liabilities.

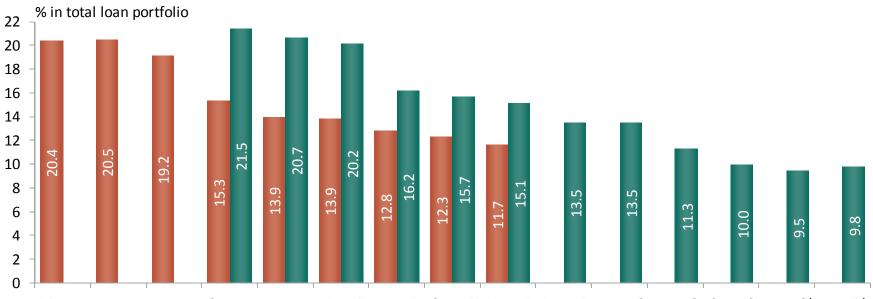
(5) According to NBR Order No. 22/2011 and NBR Regulation No. 25/2011; the liquidity ratio is expressed in units.

x = it is not the case because the frequency is quarterly.

"..." = missing data



Developments in non-performing loans



Mar.14 Apr.14 Jun.14 Sep.14 Dec.14 Mar.15 Jun.15 Sep.15 Nov.15 Dec.15 Mar.16 Jun.16 Sep.16 Dec.16* Jan.17*

Indicator calculated based on prudential reports submitted by all banks (both banks that determine the minimum capital requirement for credit risk based on the standardised approach and banks using internal models-based approach) for loans meeting the non-performance criteria (debt service longer than 90 days and/or where judicial proceedings have been initiated).

EBA – defined indicator, determined as the ratio between a) the total non-performing exposures represented by loans and advances (where non-performing exposure is defined as any exposure satisfying any of the following criteria: (i) material exposures which are more than 90 days past due; (ii) the debtor is assessed as unlikely to pay its credit obligations in full without realisation of collateral, regardless of the existence of any past due amount or of the number of days past due) and b) total exposures represented by loans and advances.

In June 2015, the methodological notes on the FINREP framework at solo level were amended so as to include cash balances with the central bank and other demand deposits with credit institutions in the non-performing exposure report form.

^{*)} indicators are calculated based on data in prudential reports, prior to submission of audited annual accounts