

Romania: Recent Macroeconomic & Banking System Developments

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April 2019

Content

Economic growth

Drivers of aggregate demand

Fiscal deficit

Current account deficit

International reserves

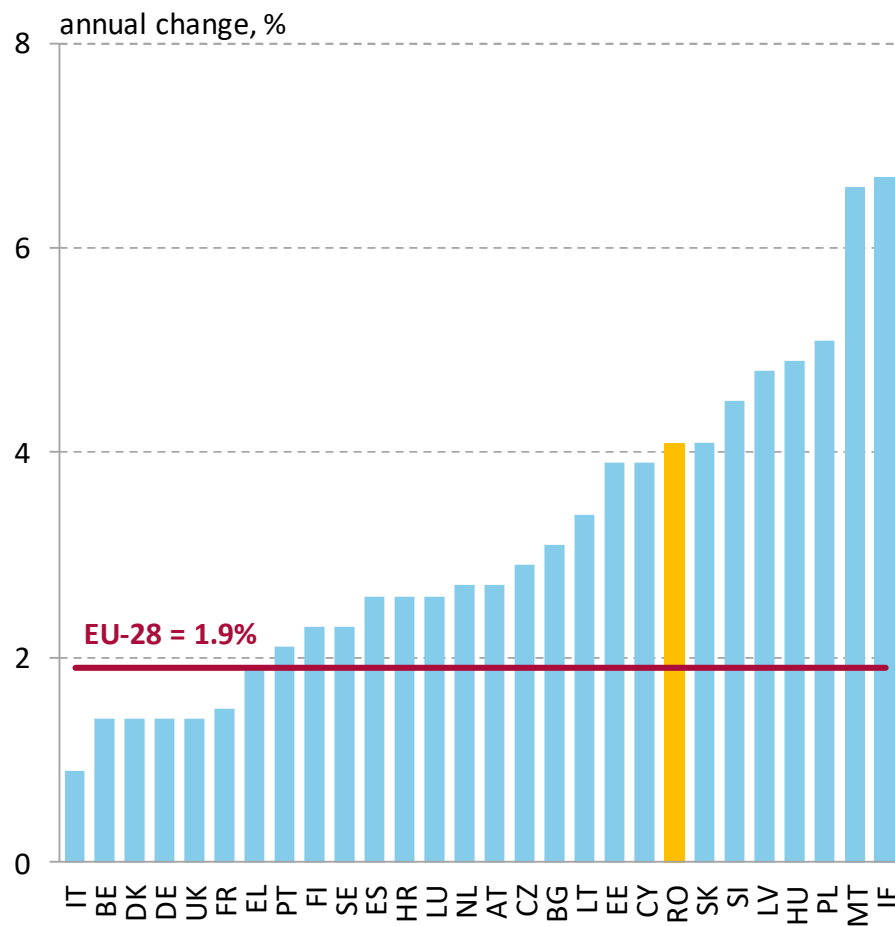
Inflation and monetary policy

Financial intermediation and the banking sector

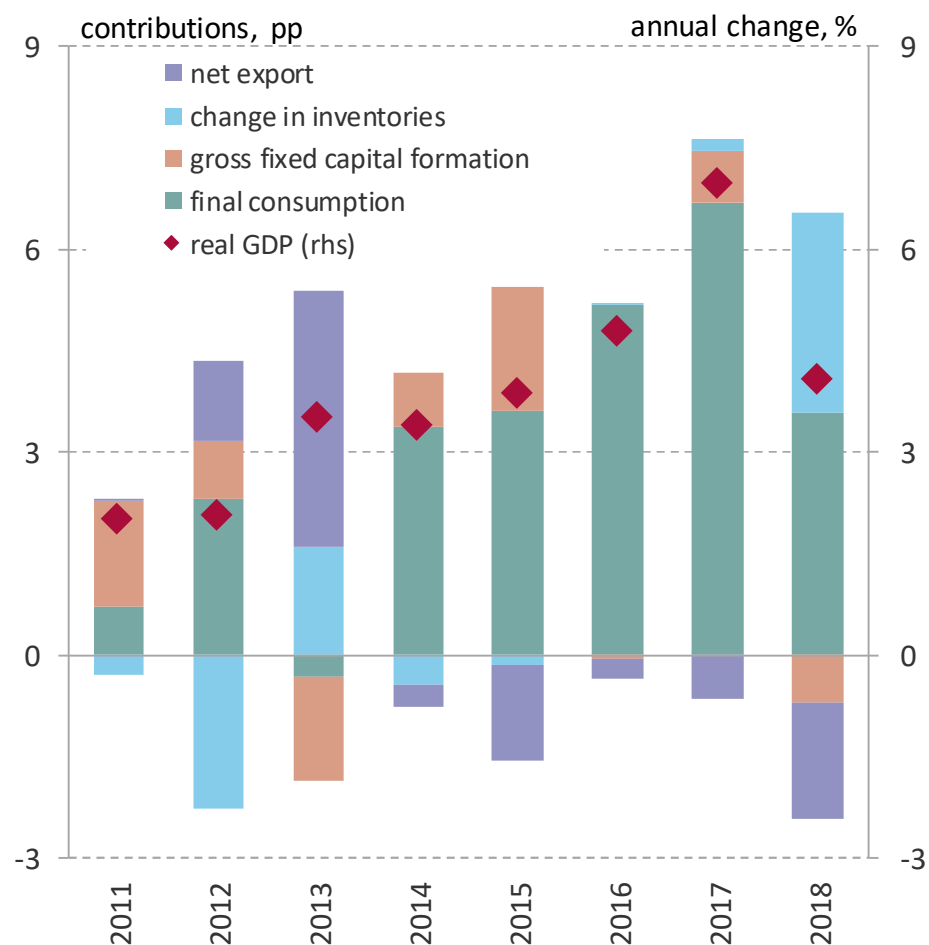
Economic growth

Romania's economic growth was significantly above the EU average, chiefly due to consumer demand

Economic growth in EU Member States in 2018

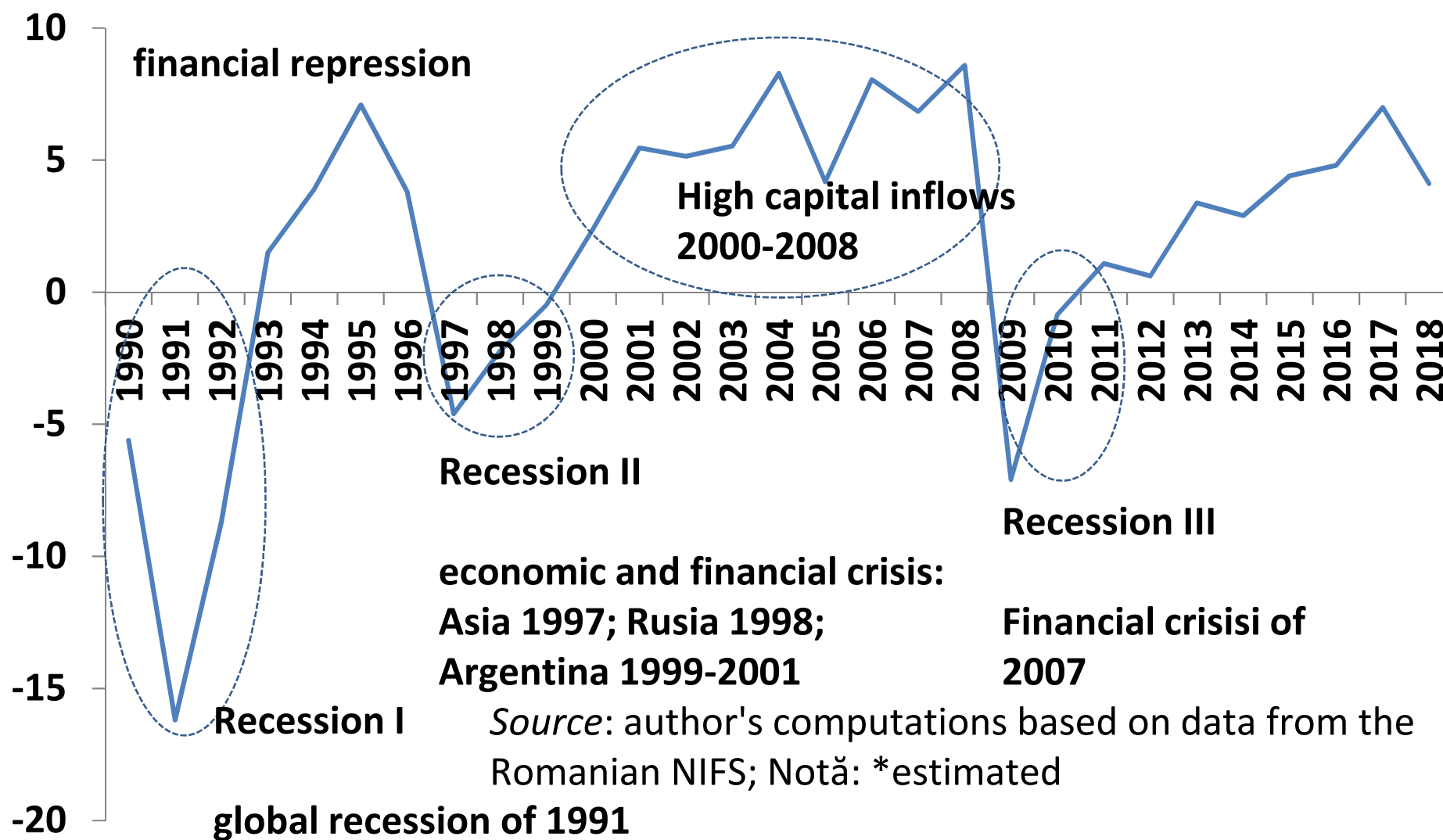


Contributions to economic growth in Romania



Source: Eurostat, NIS, NBR calculations

ROMANIA: annual GDP growth rates (%)



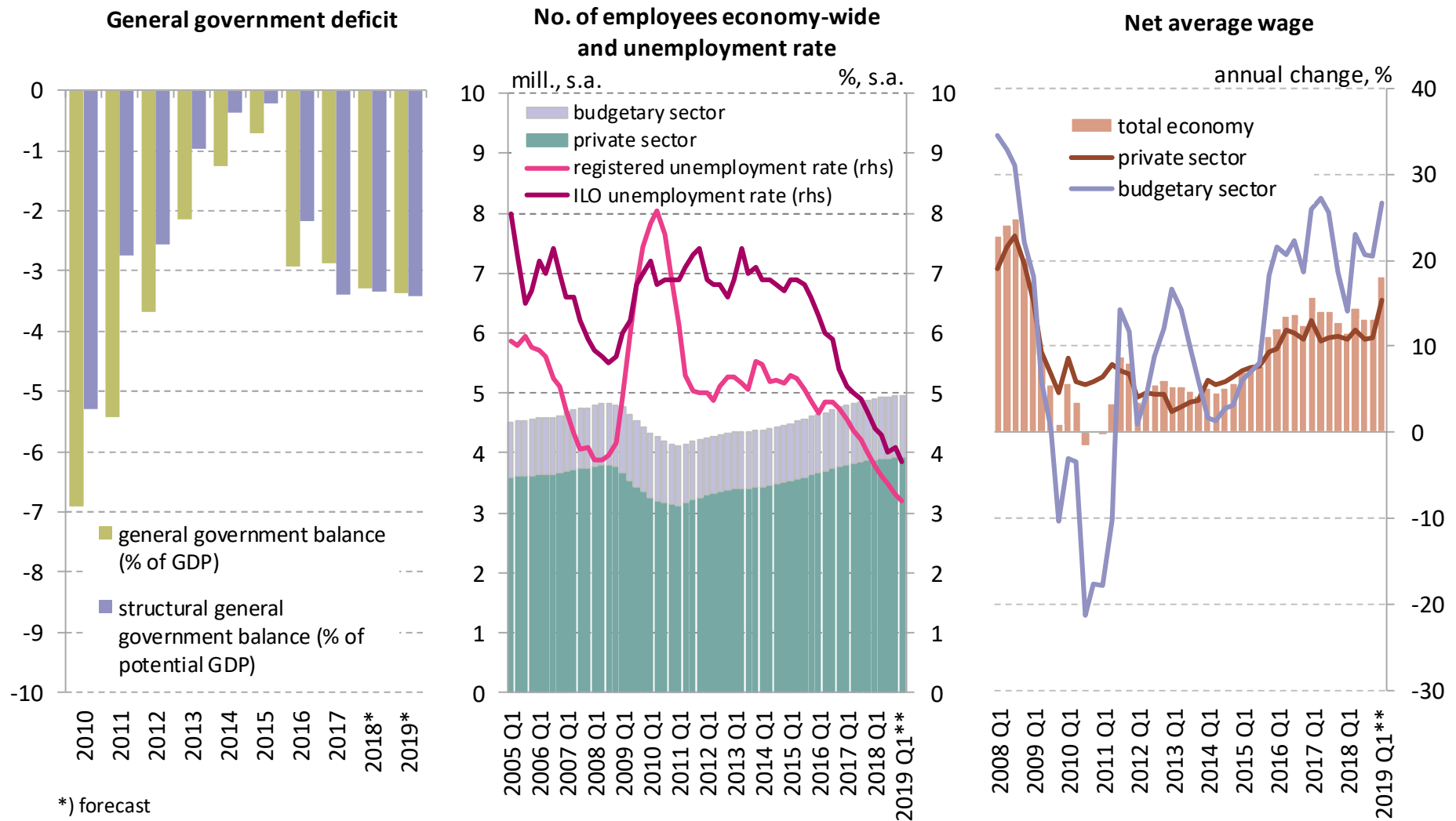
Drivers of aggregate demand

Fiscal deficits

Current account deficit

International reserves

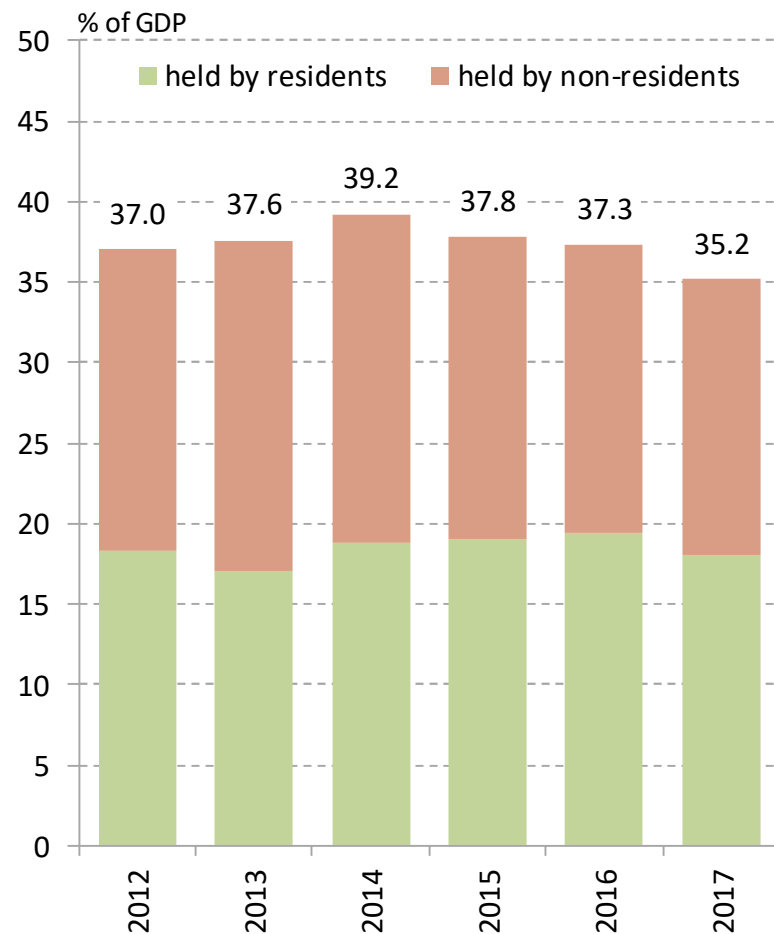
Fiscal stimuli and favorable labor market conditions in terms of wages and employment were the major drivers of demand



Source: AMECO, NIS, NBR calculations

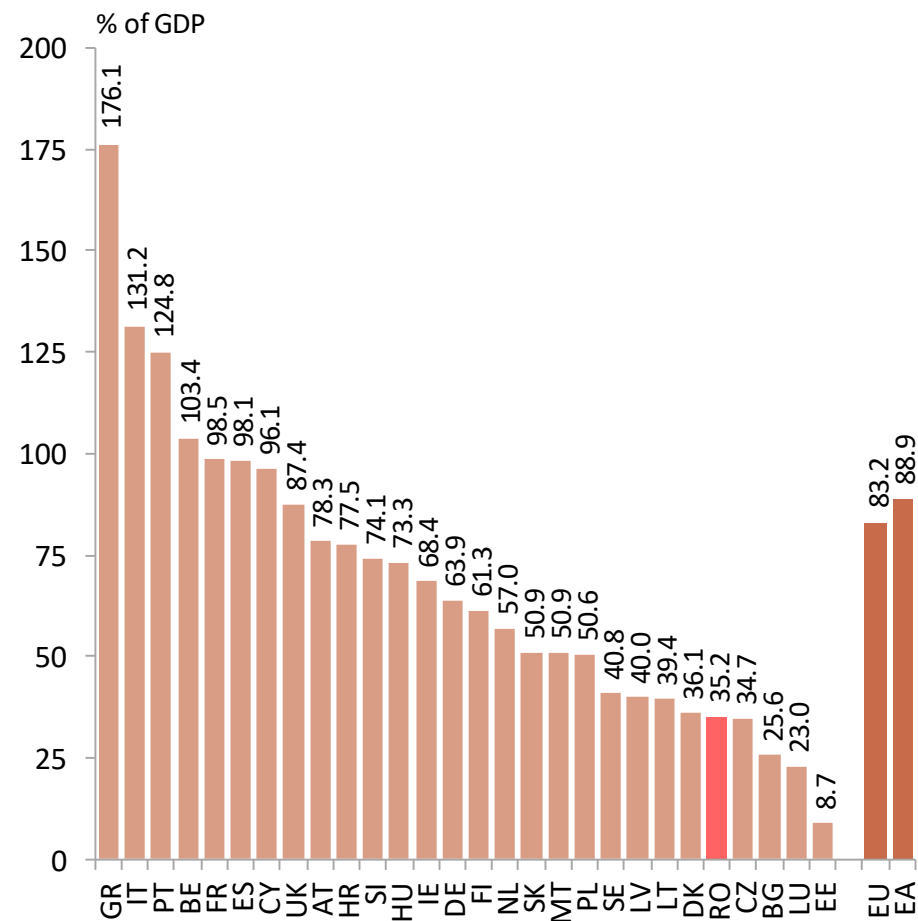
Low public debt compared with most EU Member States; balanced composition by type of holders

Romania's public debt



Source: NIS, MPF

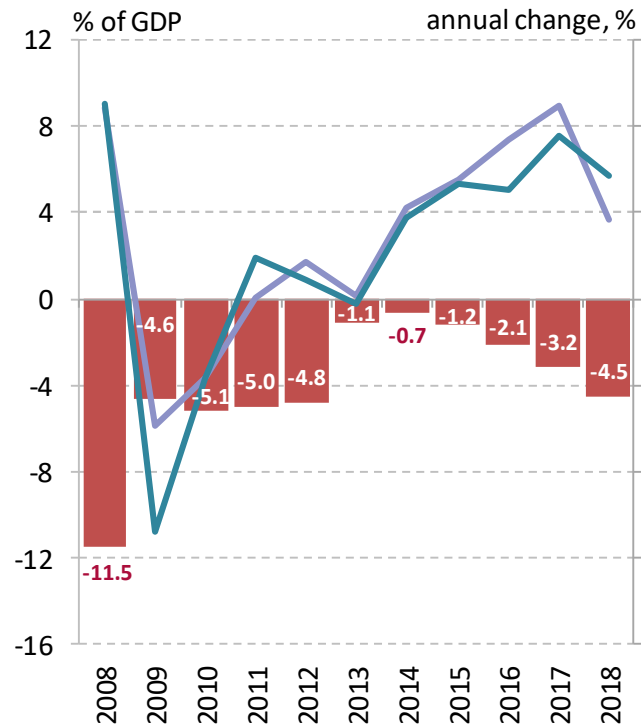
Gross public debt of EU Member States at end-2017



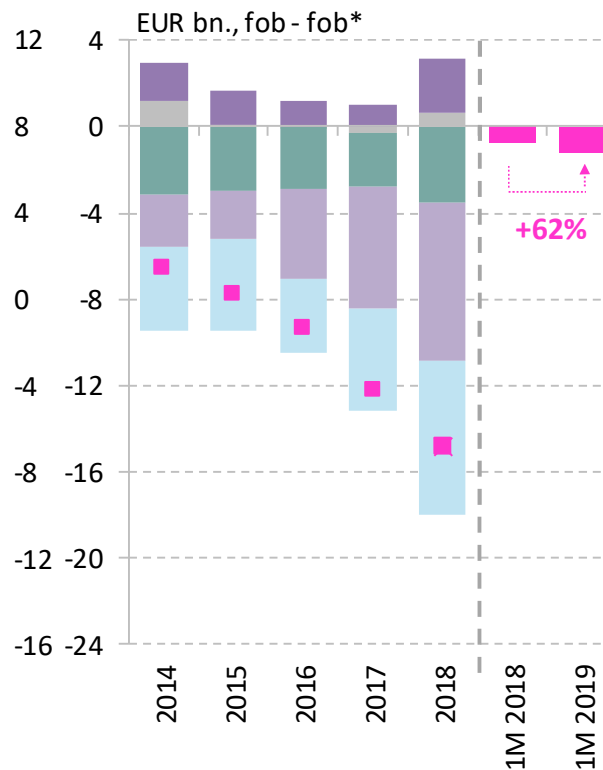
Source: AMECO

Worsening of external imbalance on the back of robust domestic absorption ...

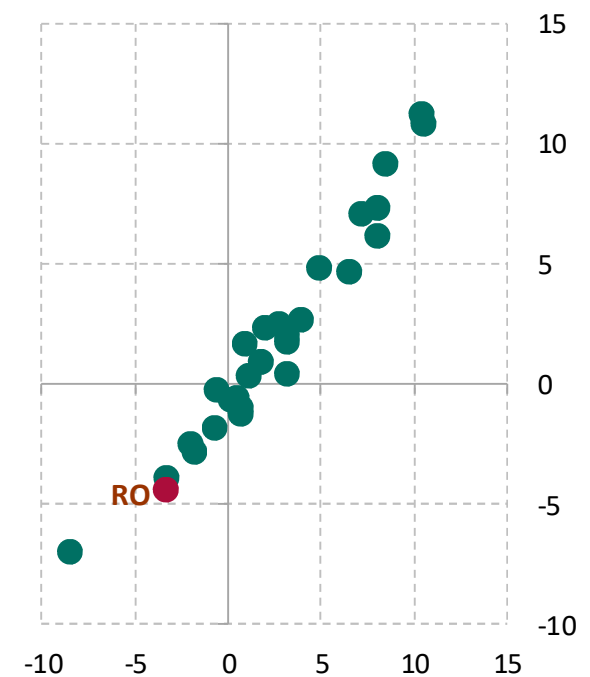
Domestic absorption and external balance



Balance on trade in goods



Current account in EU Member States



- current account balance
- household final consumption (rhs)
- domestic absorption (rhs)

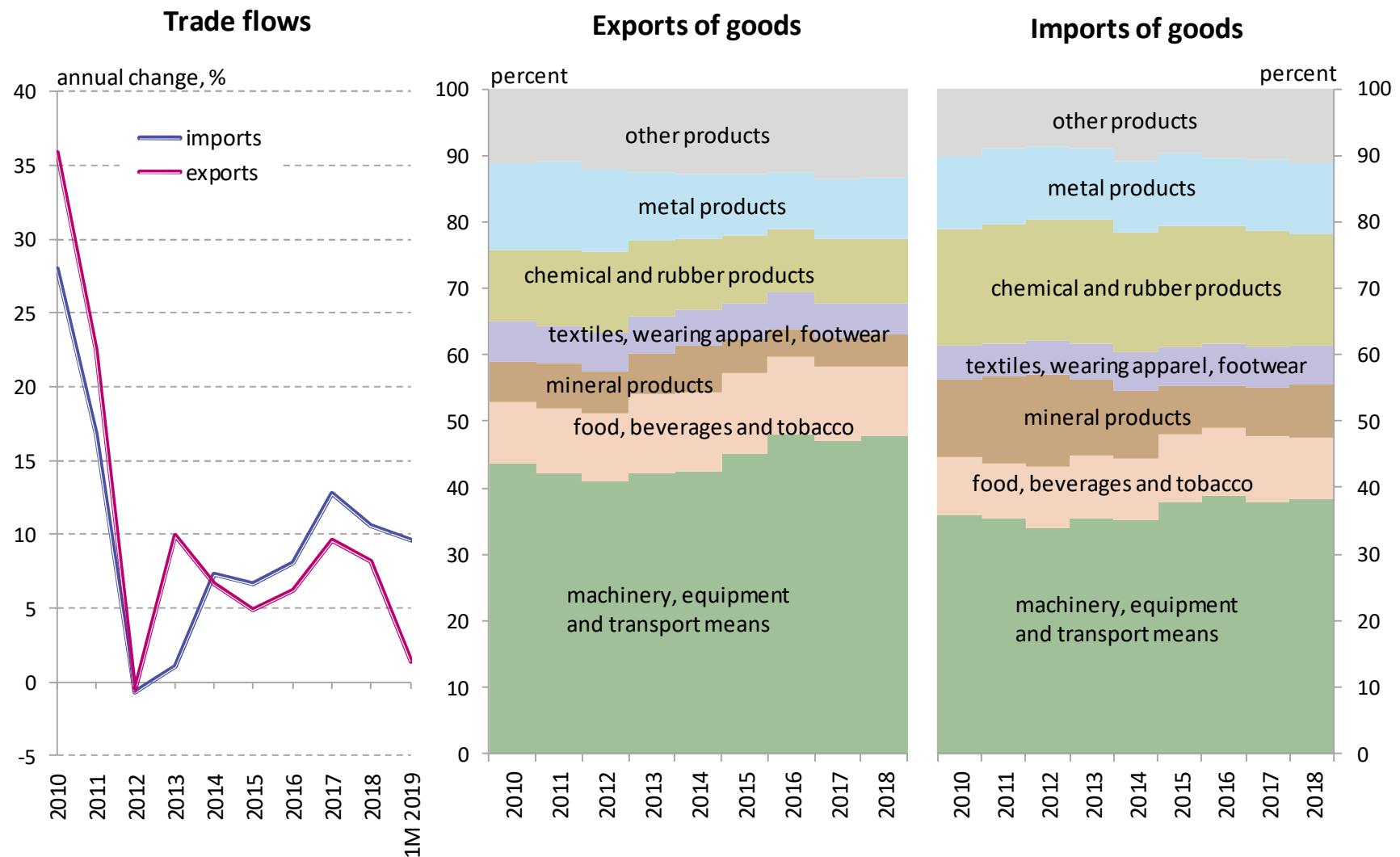
- intermediate goods
- consumer goods excl. cars, motor spirit
- capital goods
- passenger cars, motor spirit
- goods n.e.c.
- goods deficit

OX: current account balance (% of GDP), 2017
OY: current account balance (% of GDP), 2018

Source: NIS, Eurostat, NBR, NBR calculations

*) according to BPM6, goods under processing trade arrangements are excluded

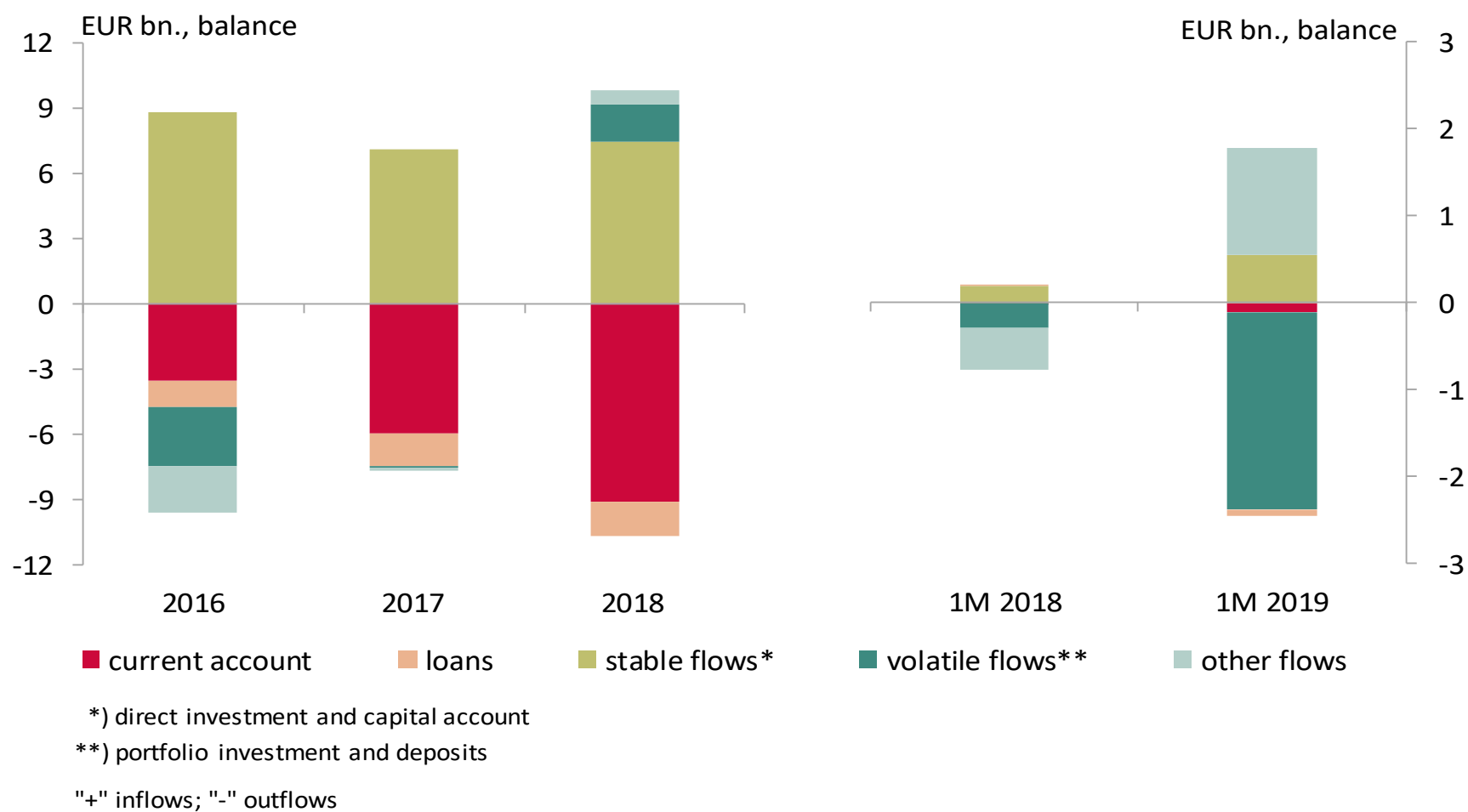
... with the international economic slowdown affecting exports



Note: BPM6-compliant calculations.

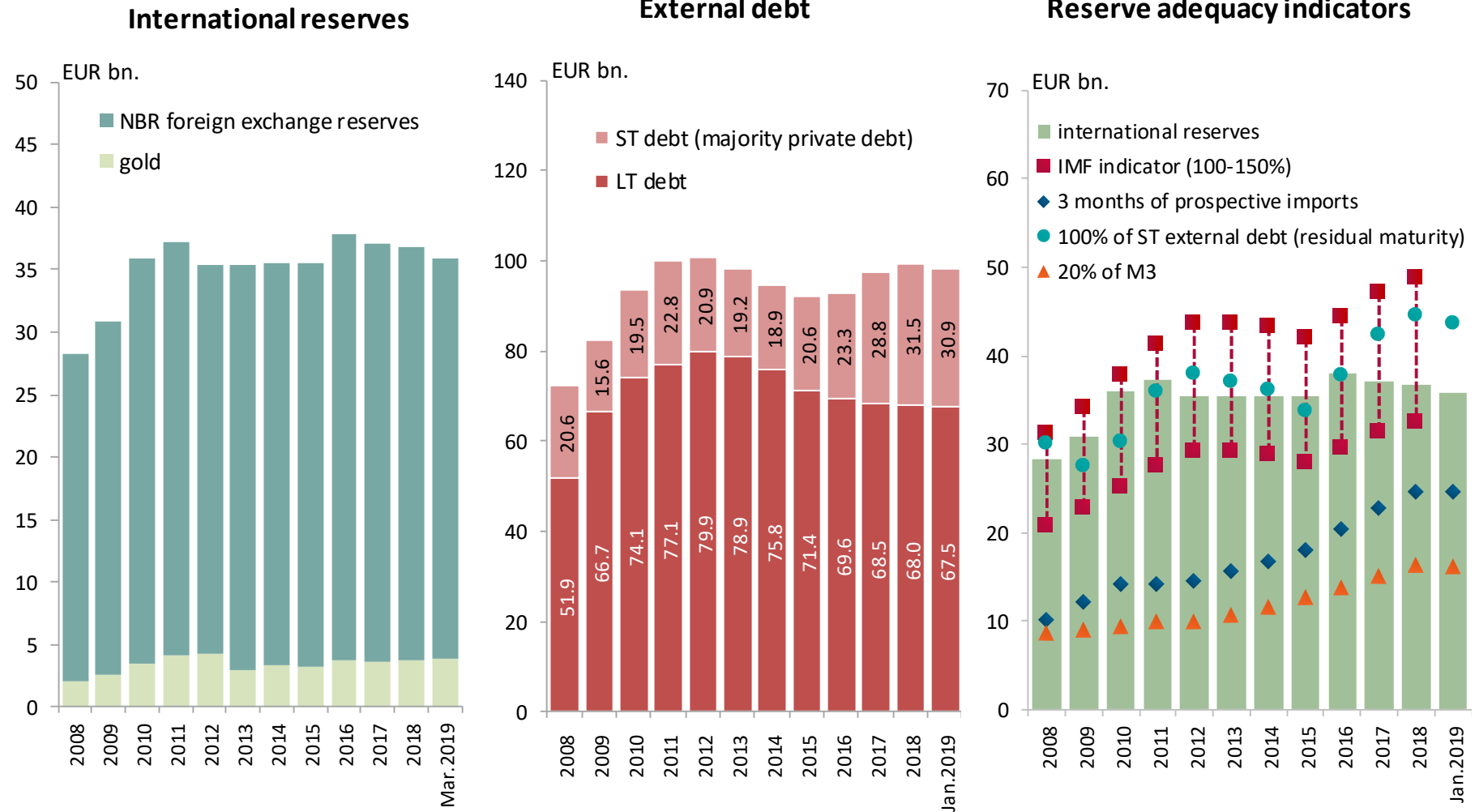
Source: NBR

Current account deficit financed primarily from stable flows



Source: NBR

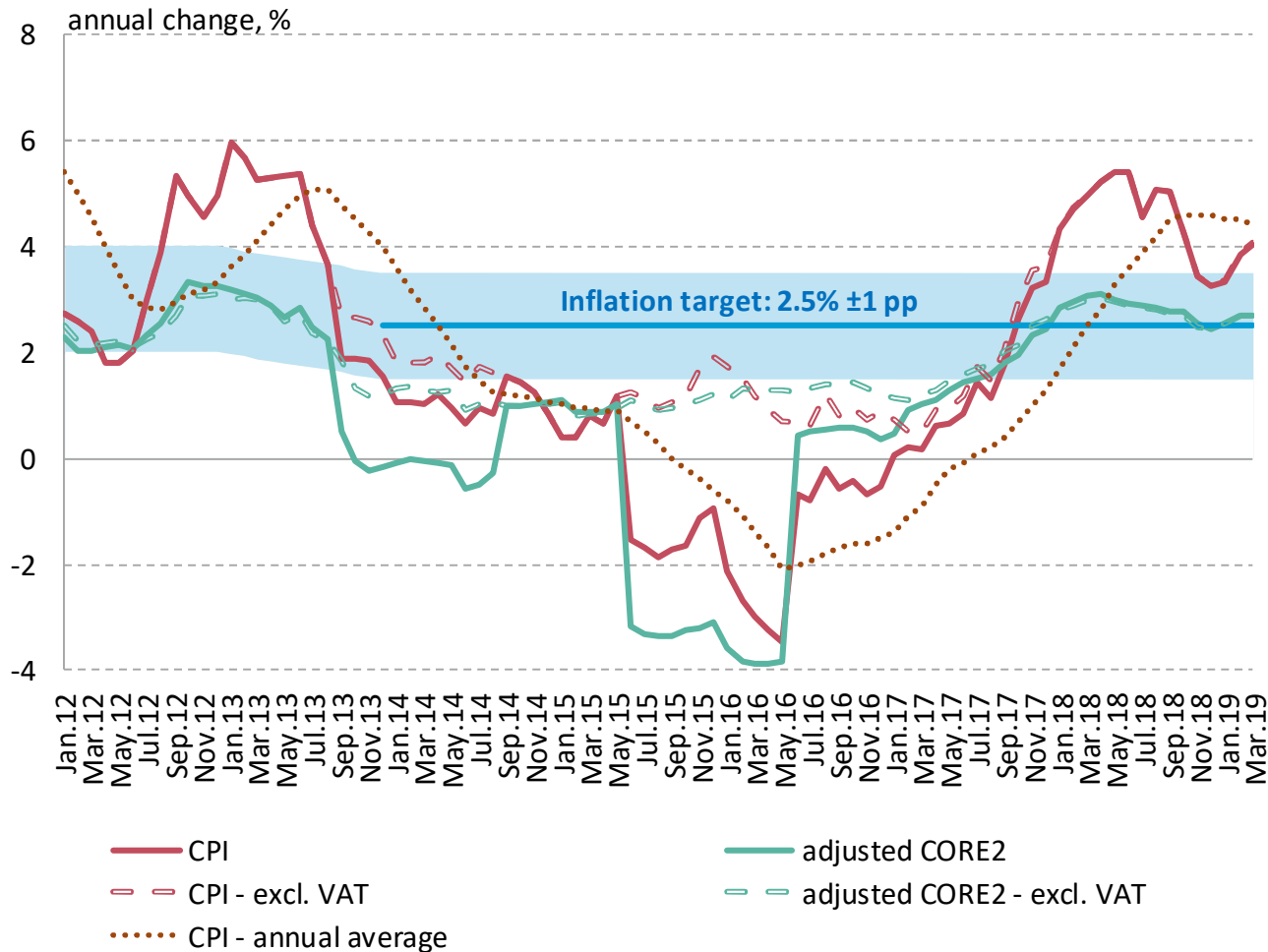
Romania's international reserves remained at a high level; reserve adequacy indicators within recommendable limits



Source: NBR, NCSP, IMF, NBR calculations

Inflation and monetary policy

The annual CPI inflation rate overpassed the variation band of the flat target starting from February 2019 ...

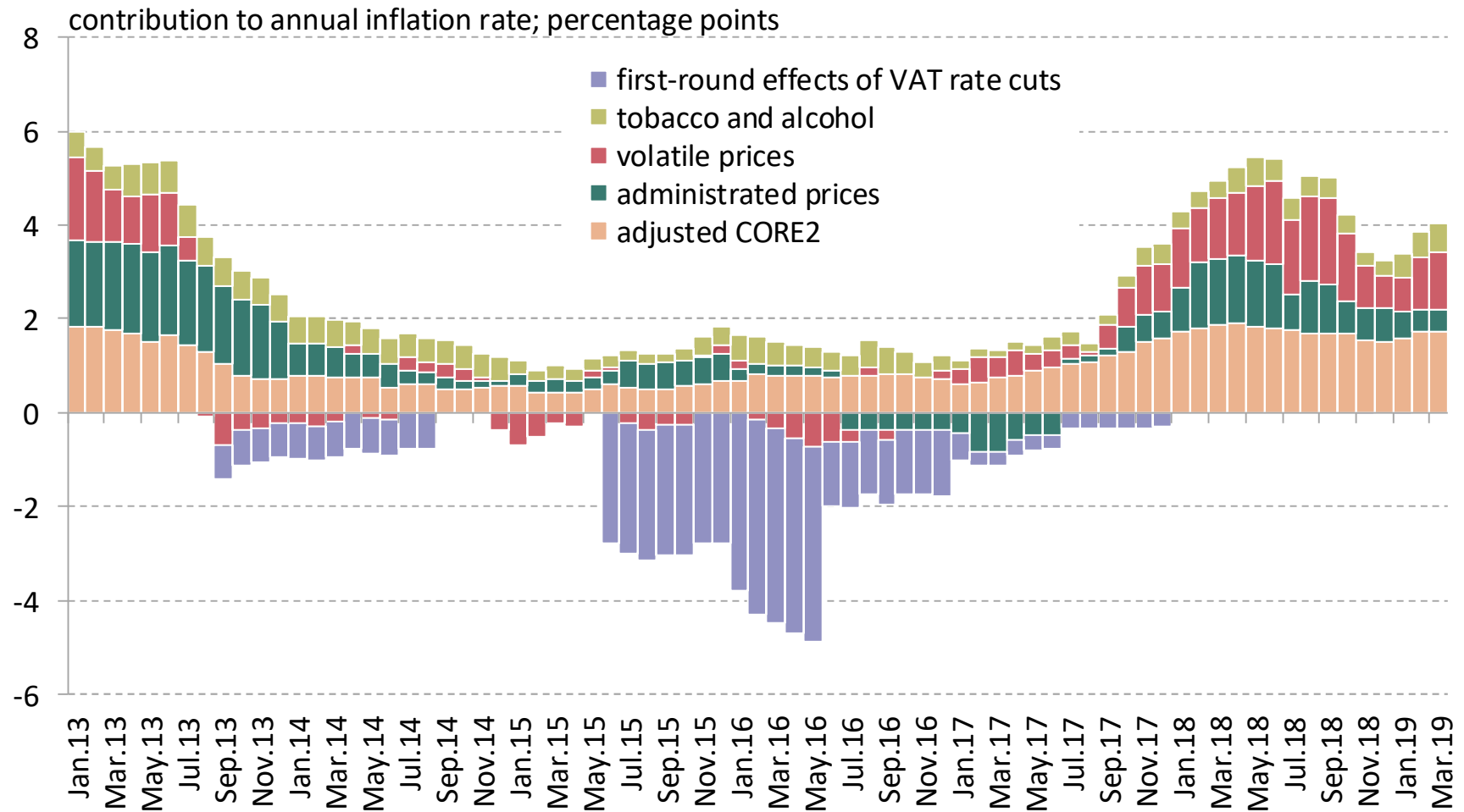


Source: NIS, NBR calculations and estimates

Determinants

- ↑ Supply-side shocks in the case of fuels and vegetables
- ↑ Significant excess aggregate demand
- ↑ High production costs (labour costs, utilities expenses)
- ↑ Upward adjustment of inflation expectations
- ↑ Depreciation of the domestic currency versus the euro

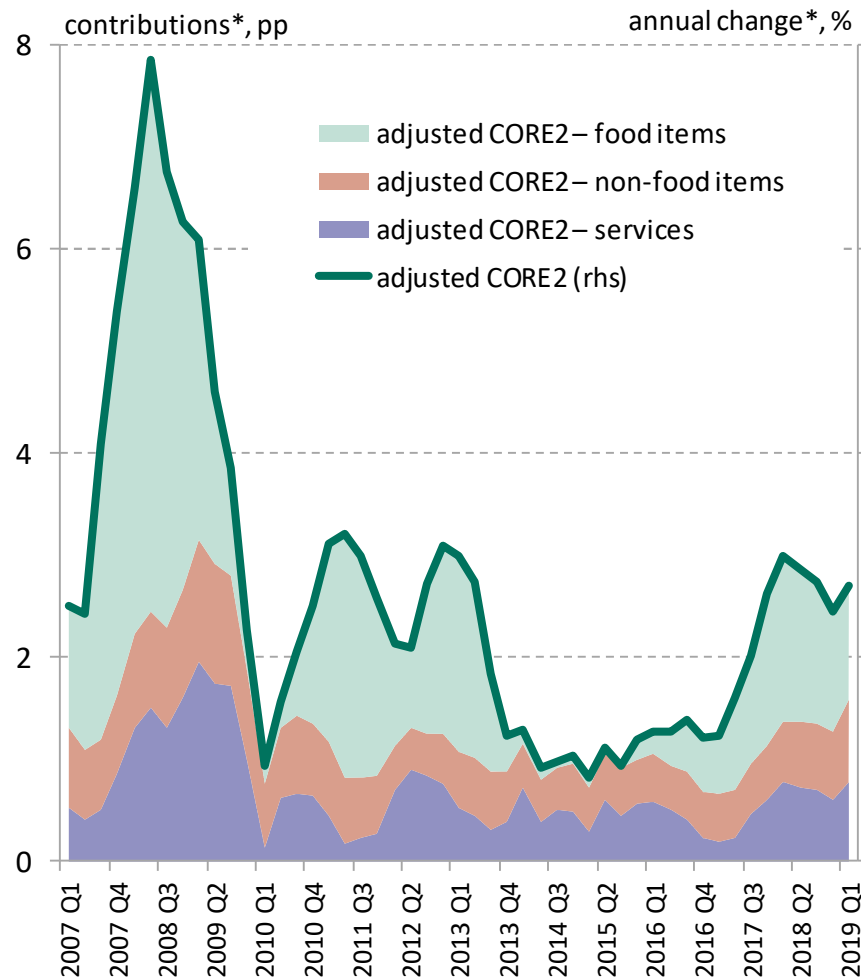
... mainly on the back of exogenous components



Source: NIS, NBR calculations

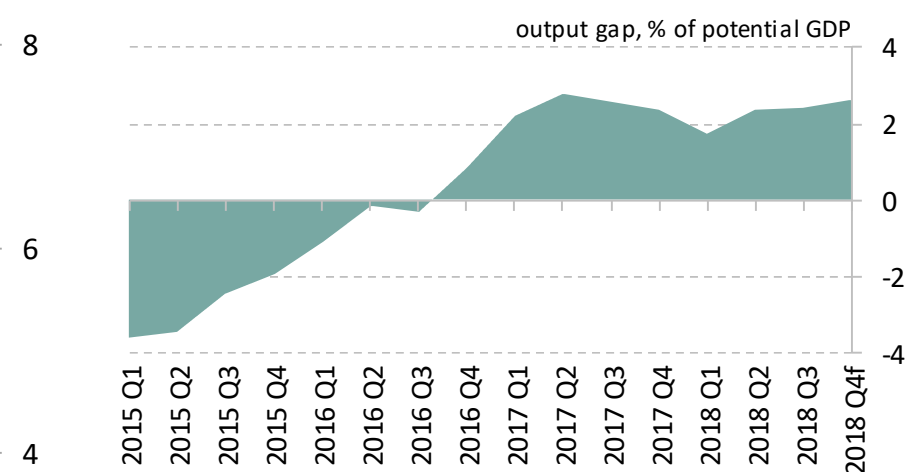
Excess aggregate demand and high production costs entailed robust core inflation as well

Core inflation components

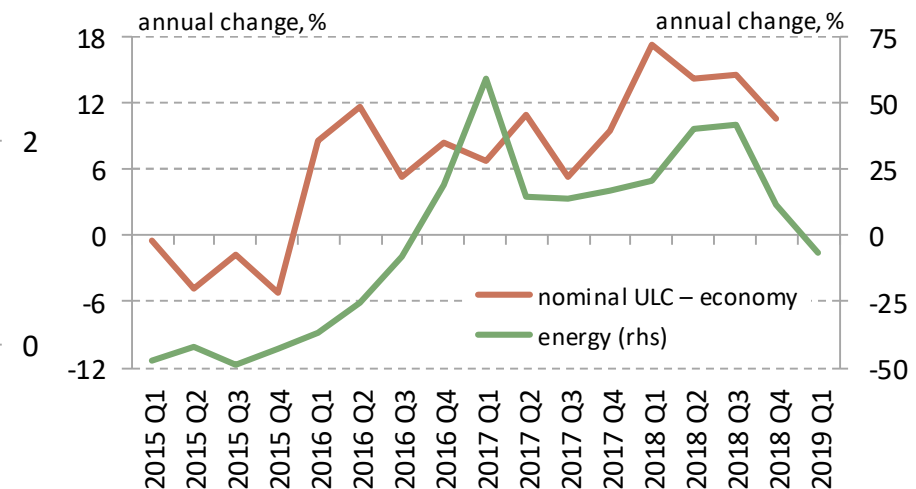


*) excluding VAT direct effect

Cyclical position of the economy

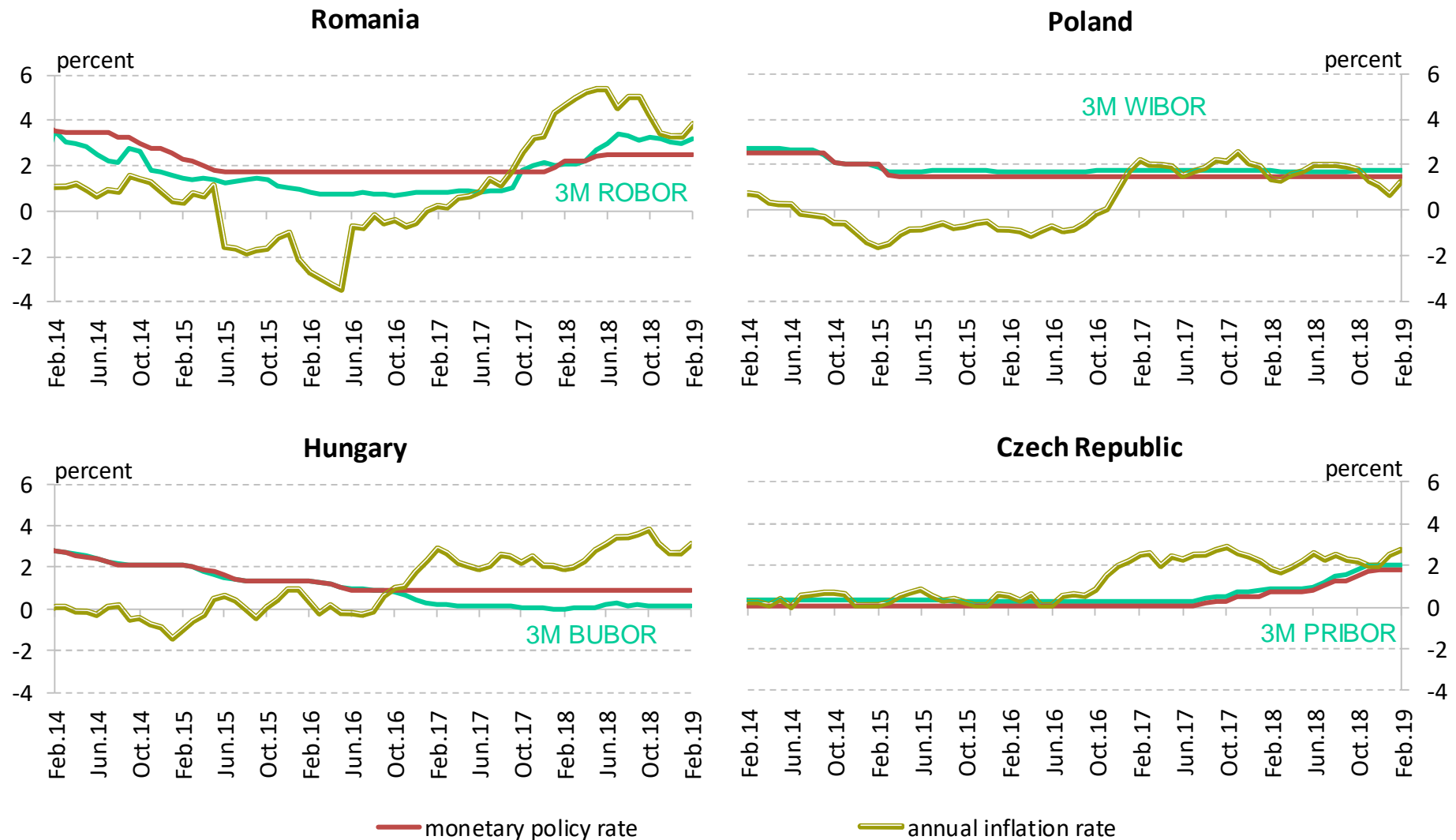


Production costs



Source: NIS, World Bank, NBR calculations and estimates

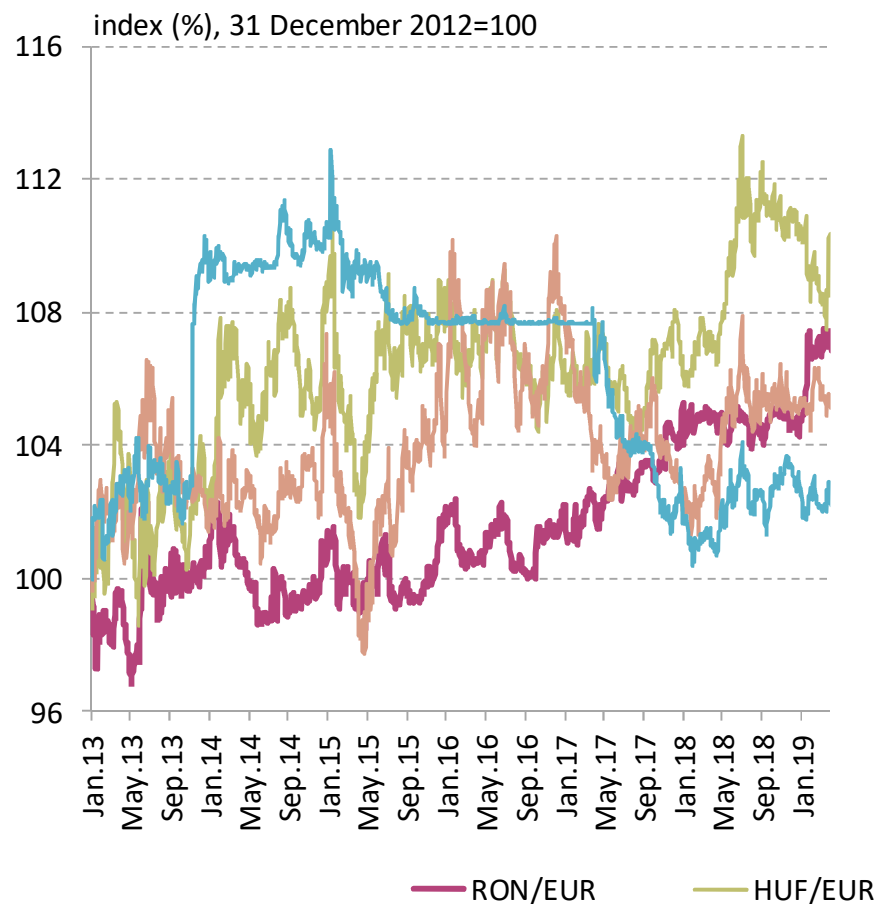
The negative spread between interest rates and the annual inflation rate is not characteristic only of Romania



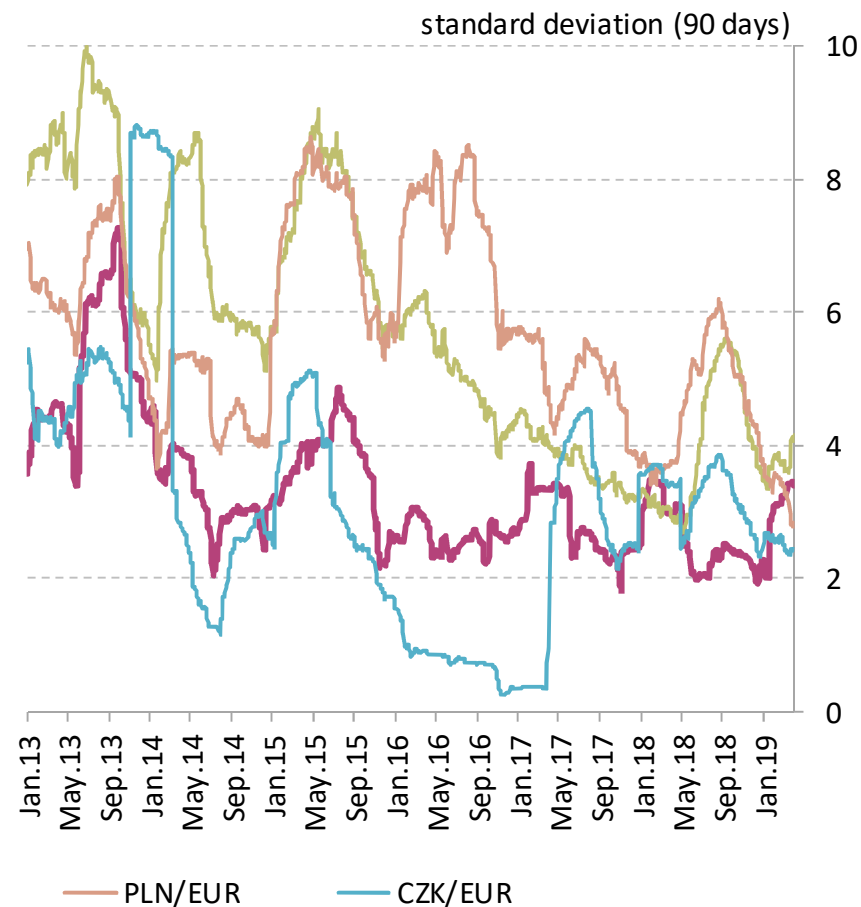
Source: Bloomberg, NBR, national central banks, national statistical offices

Moderate depreciation trend of the leu versus the euro,
amid the widening of external imbalance; volatility similar to peers

Exchange rates

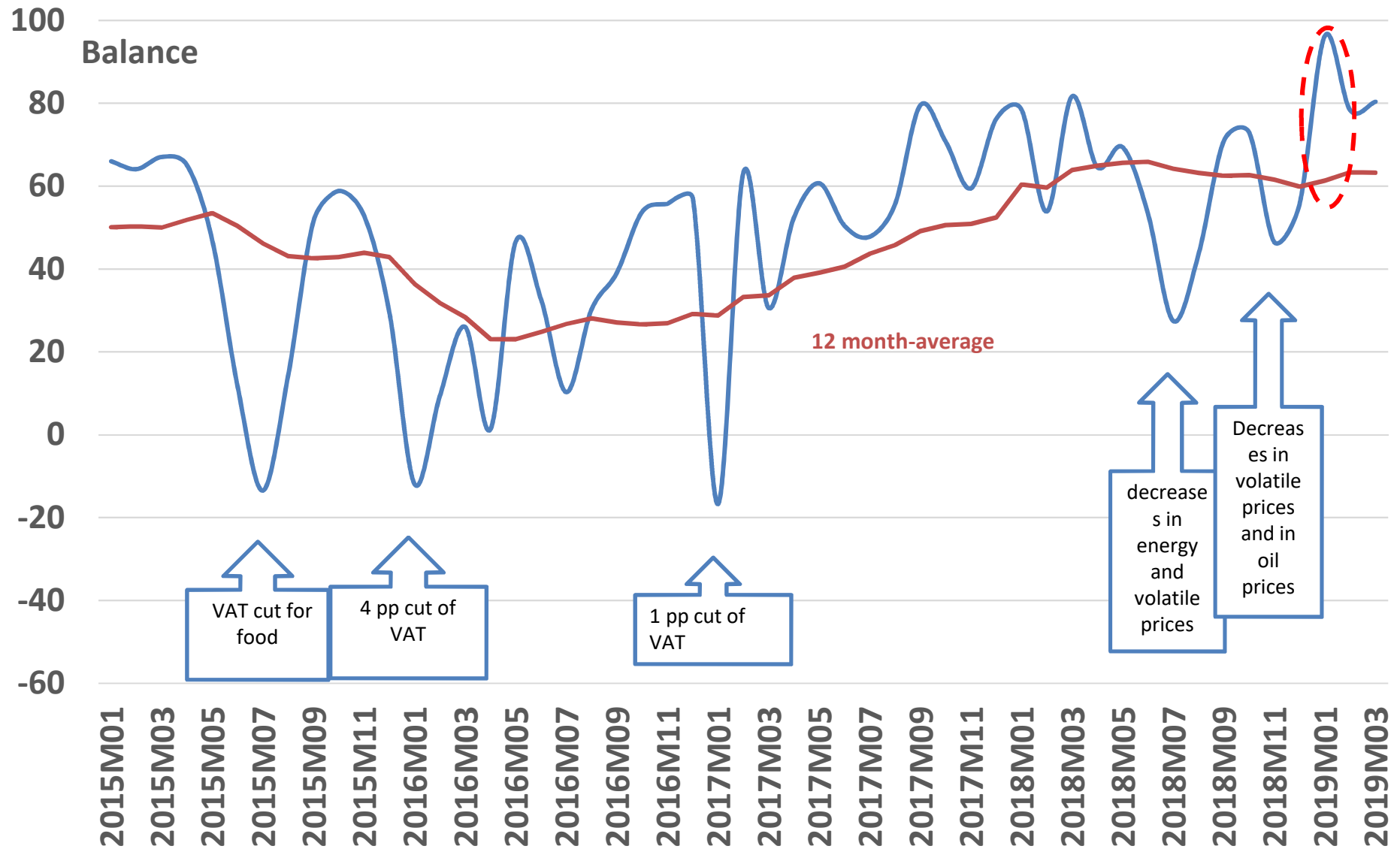


Historical volatility



Source: Bloomberg

Inflation diffusion index in Romania

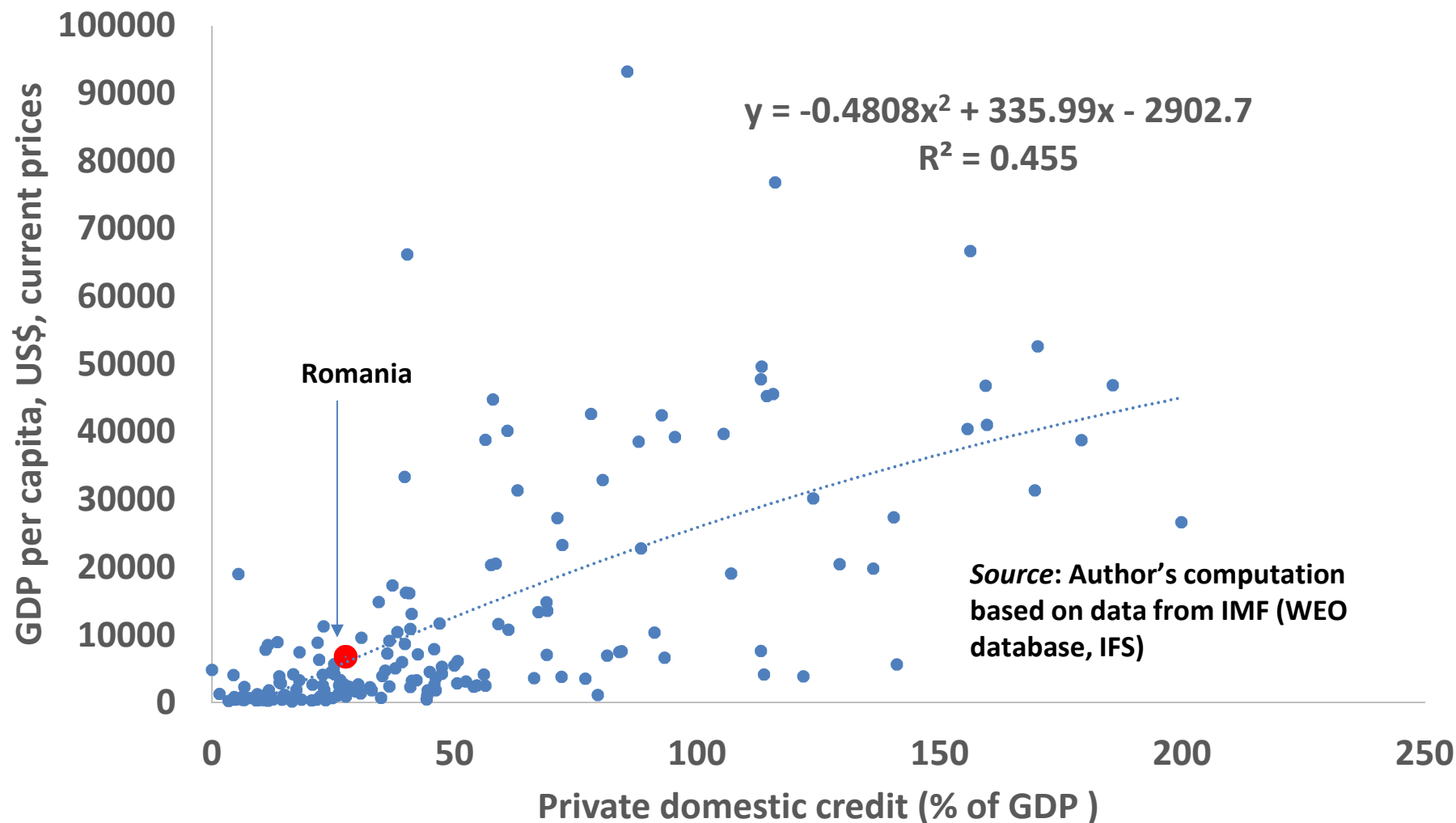


Financial intermediation and the banking sector

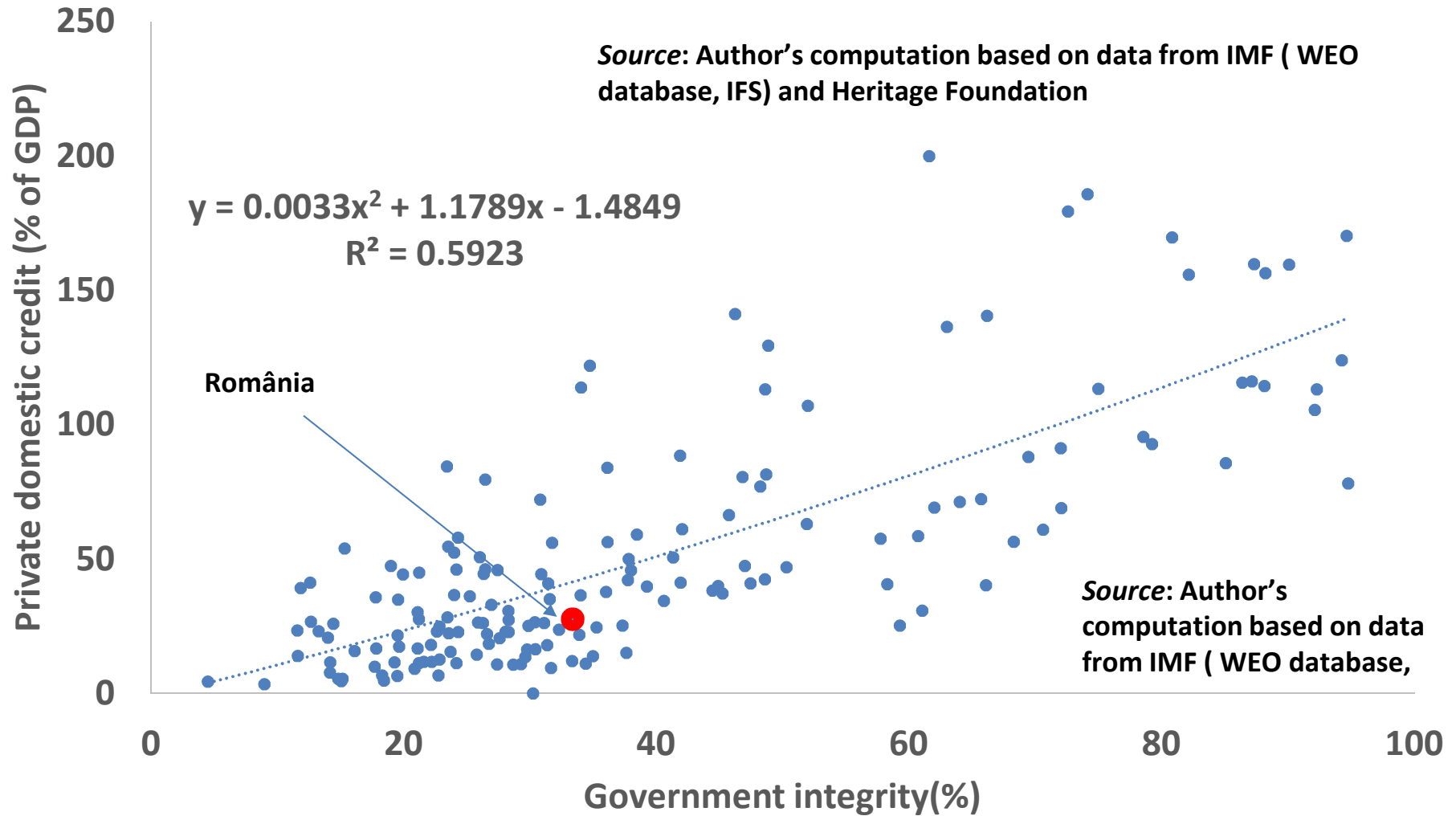
The next three slides:

Weak property rights and low government integrity have
a drag on financial intermediation

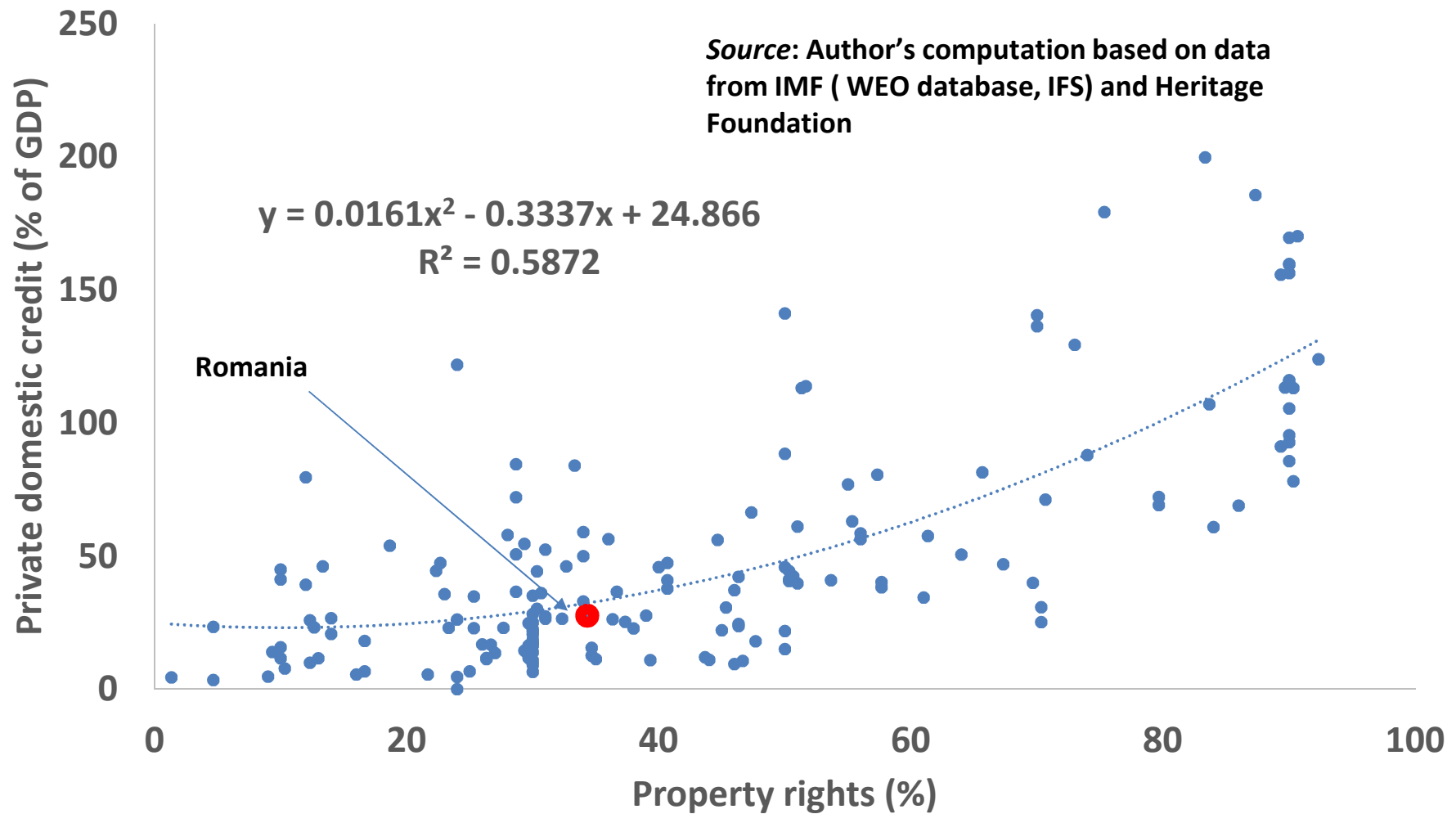
The correlation between financial intermediation and GDP/capita in the 2001-2015 period for 177 countries



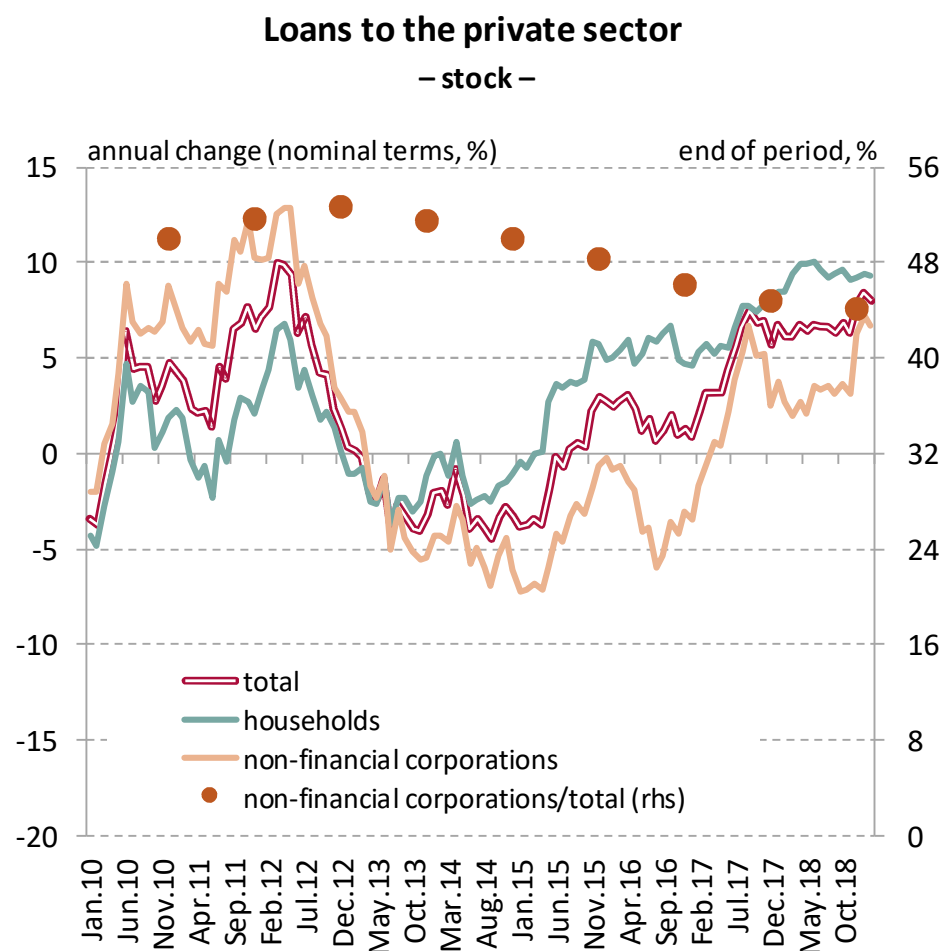
The correlatin between government integrity and financial intermediation in the 2001-2015 period for 165 contries



Property rights-financial intermediation correlation between 2001-2015 for 165 countries



Significantly slower increase in loans to non-financial corporations than in household credit



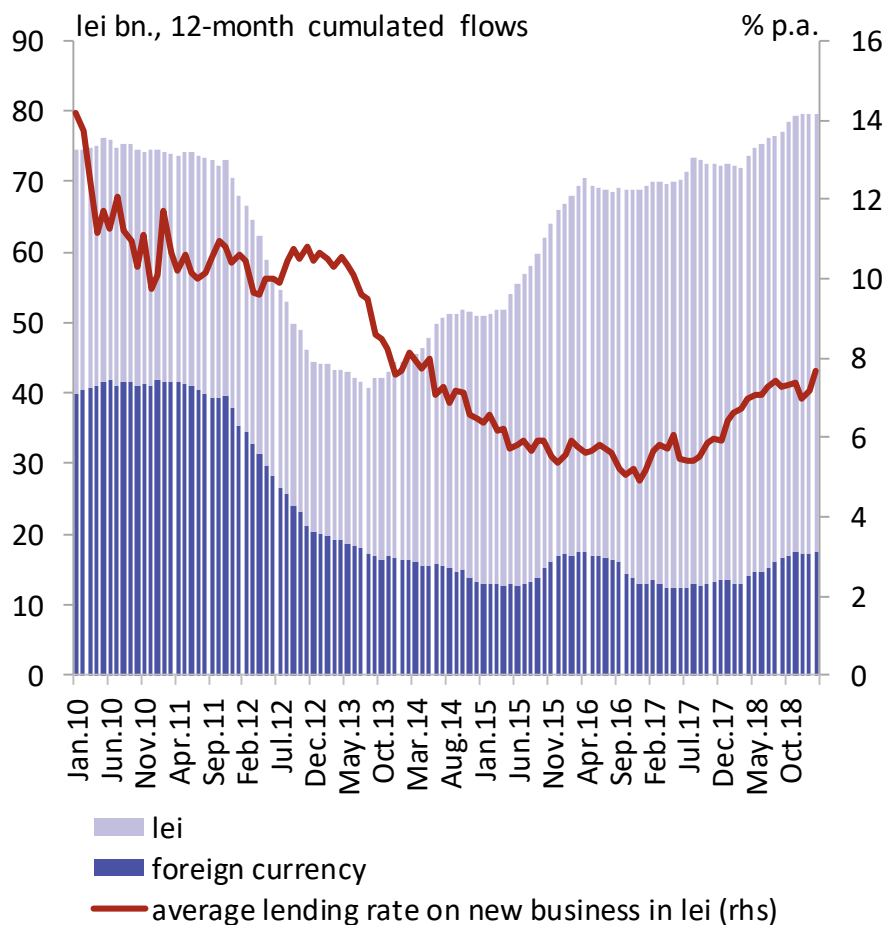
Persistence of structural vulnerabilities – inadequate capitalisation, poor profitability, payment indiscipline, easy recourse to insolvency – dampens lending to non-financial corporations

Over the past decade, irrespective of the business cycle stage, 40-50 percent of active firms reported losses, while the share of companies with equity below the regulatory threshold exceeded 40 percent

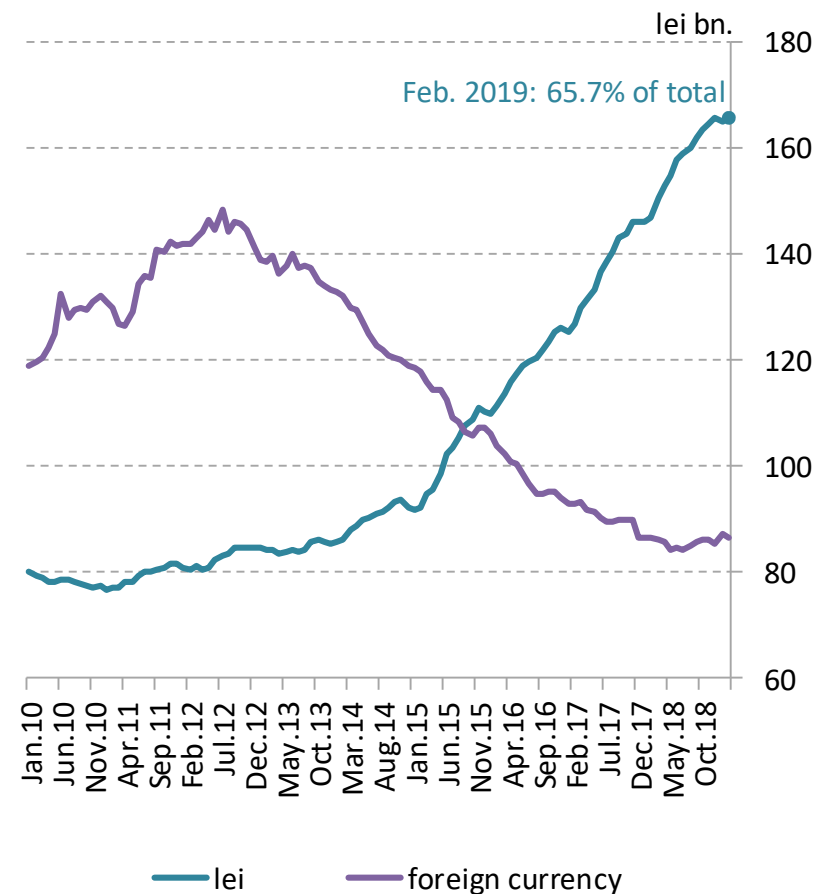
Source: NBR

Robust increase in lei-denominated loans, with a favourable impact on the currency composition of credit to the private sector

New loans to the private sector and average rate on lei-denominated new loans

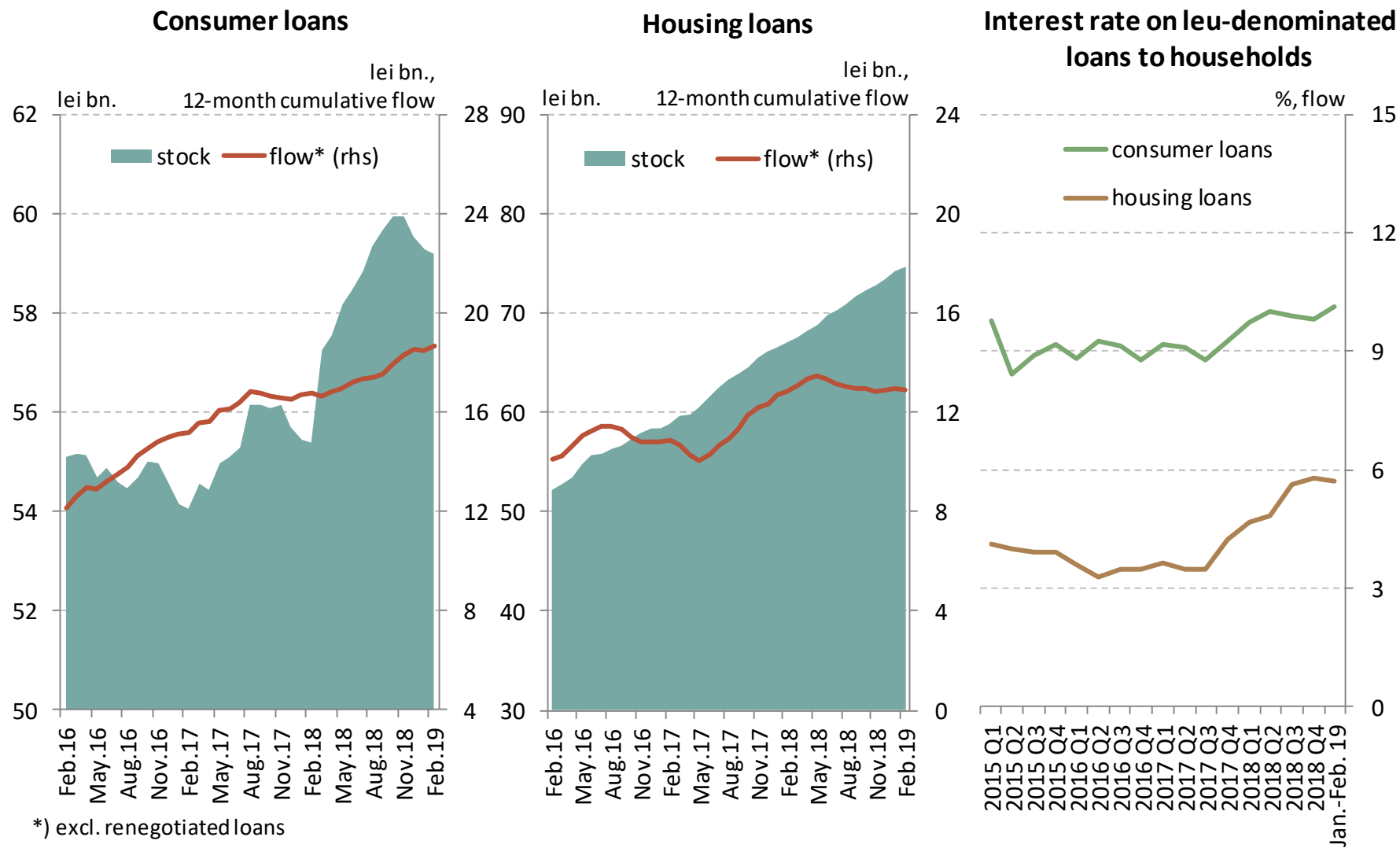


Loans to the private sector (stock)



Source: NBR

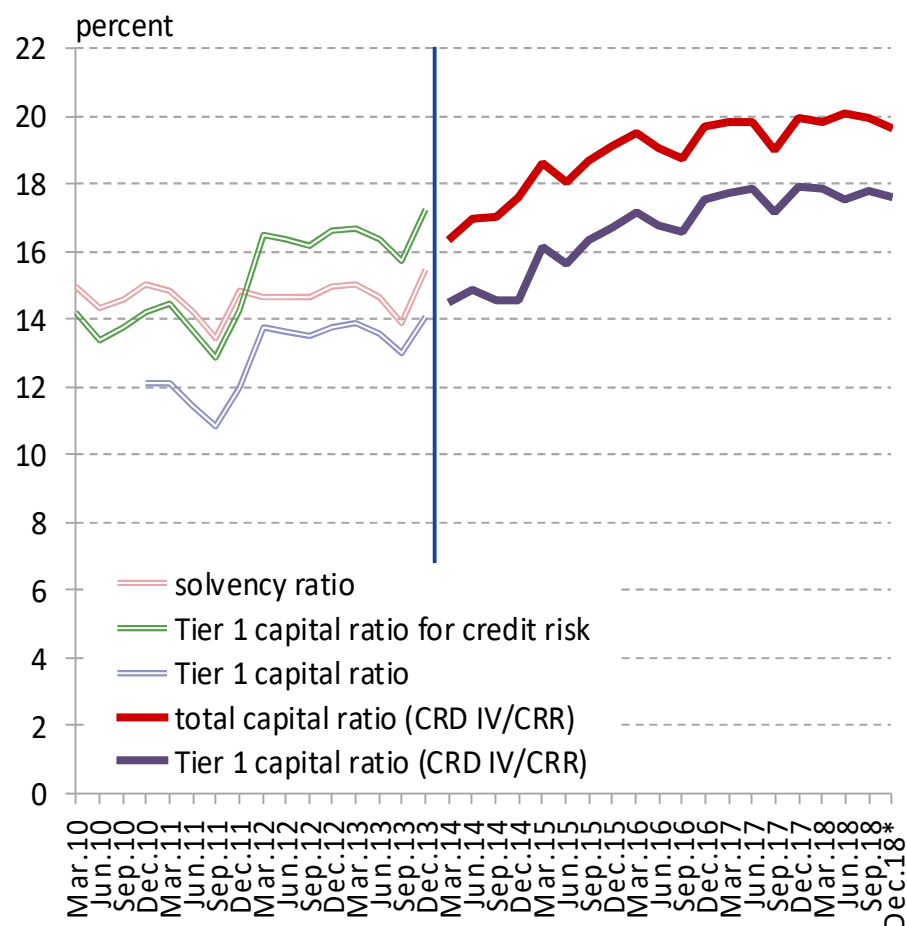
Housing loans acted as the main driver behind the swift dynamics of credit to households



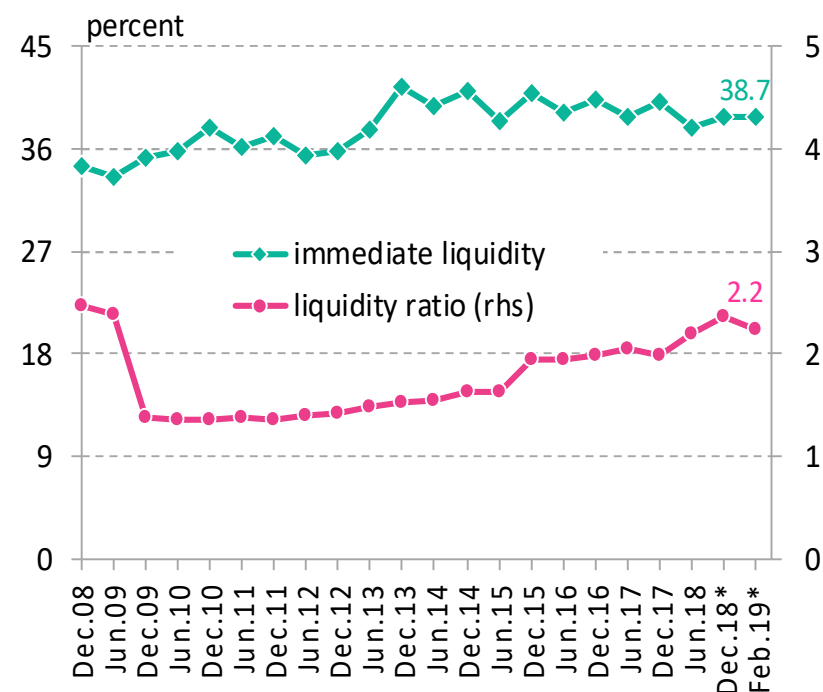
Source: NBR

Comfortable levels of capital adequacy and liquidity in the banking sector

Capital adequacy indicators



Liquidity indicators



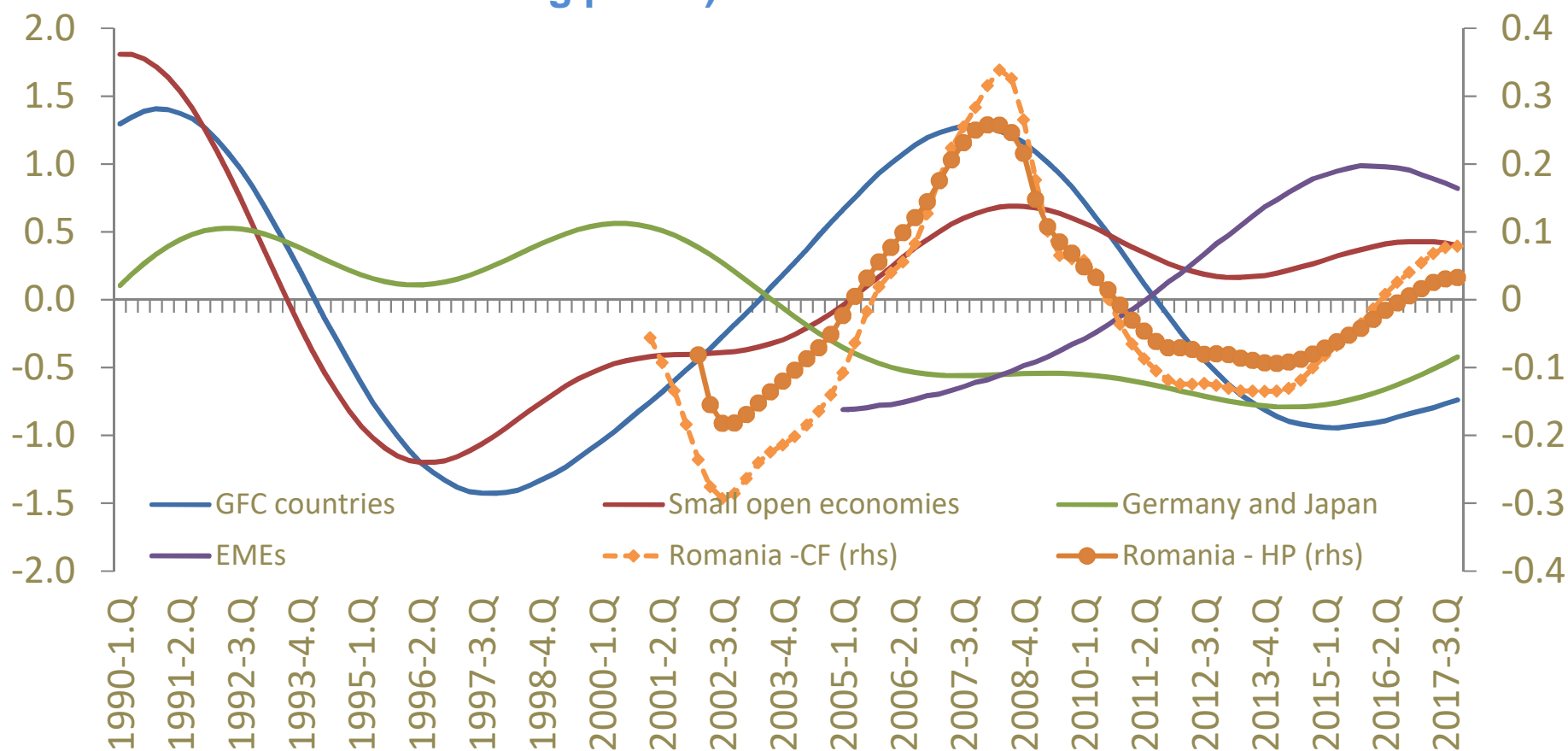
Immediate liquidity = (cash, demand and time deposits with banks + unpledged government securities + unencumbered bonds)/Total liabilities (prudent level > 30%)

Liquidity ratio = effective liquidity/required liquidity (regulated threshold = 1)

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

Source: NBR

Financial cycle: where does Romania stand? (domestic credit plus external credit, housing prices)

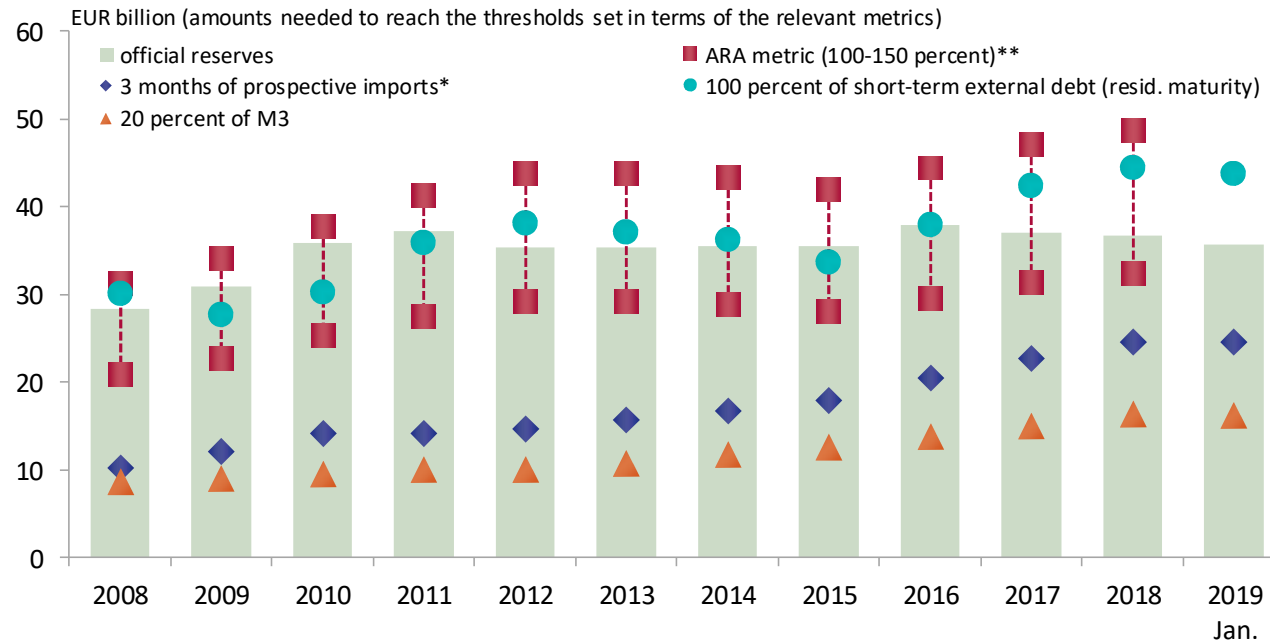


Note: Global Financial Crisis (GFC) countries are FR, ES, IT, UK and US; Small open economies are Australia, Canada, Switzerland, Finland, Norway and Sudan; EMEs are Brasil, Chile, Columbia, Hong-Kong, Inonesia, Korea, Mexico, Malaysia, Peru, Singapore and Thailand. For Romania, the method used was Christiano-Fitzgerald (medium term: 8 - 14 years) and Hodrick Prescott with parameter $\lambda = 25\,000$ (equivalent for a 14 years cycle length).

Sources: BIS (Annual Economic Report 2018) and own calculations

Thank you!

Official reserves adequacy



*) 12m prospective imports of goods and services

**) 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, ARA metric = 30% of ST debt (resid. maturity) + 15% of Other liabilities + 5% of Exports of goods and services + 5% of Broad Money.

Source: International Monetary Fund, National Bank of Romania