



IFC Workshop on the use of financial accounts, co-organised with the Central Bank of the Republic of Turkey

18-20 March 2019, Istanbul, Turkey

Use of Financial Accounts at the Central Bank of the Republic of Turkey¹

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¹ This presentation was prepared for the meeting. The views expressed are those of the author and do not necessarily reflect the views of the BIS, the IFC or the central banks and other institutions represented at the meeting.



TÜRKİYE CUMHURİYET
MERKEZ BANKASI

Use of Financial Accounts at CBRT

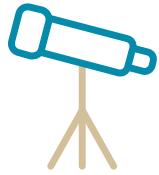
Cansu Gokce Zeybek

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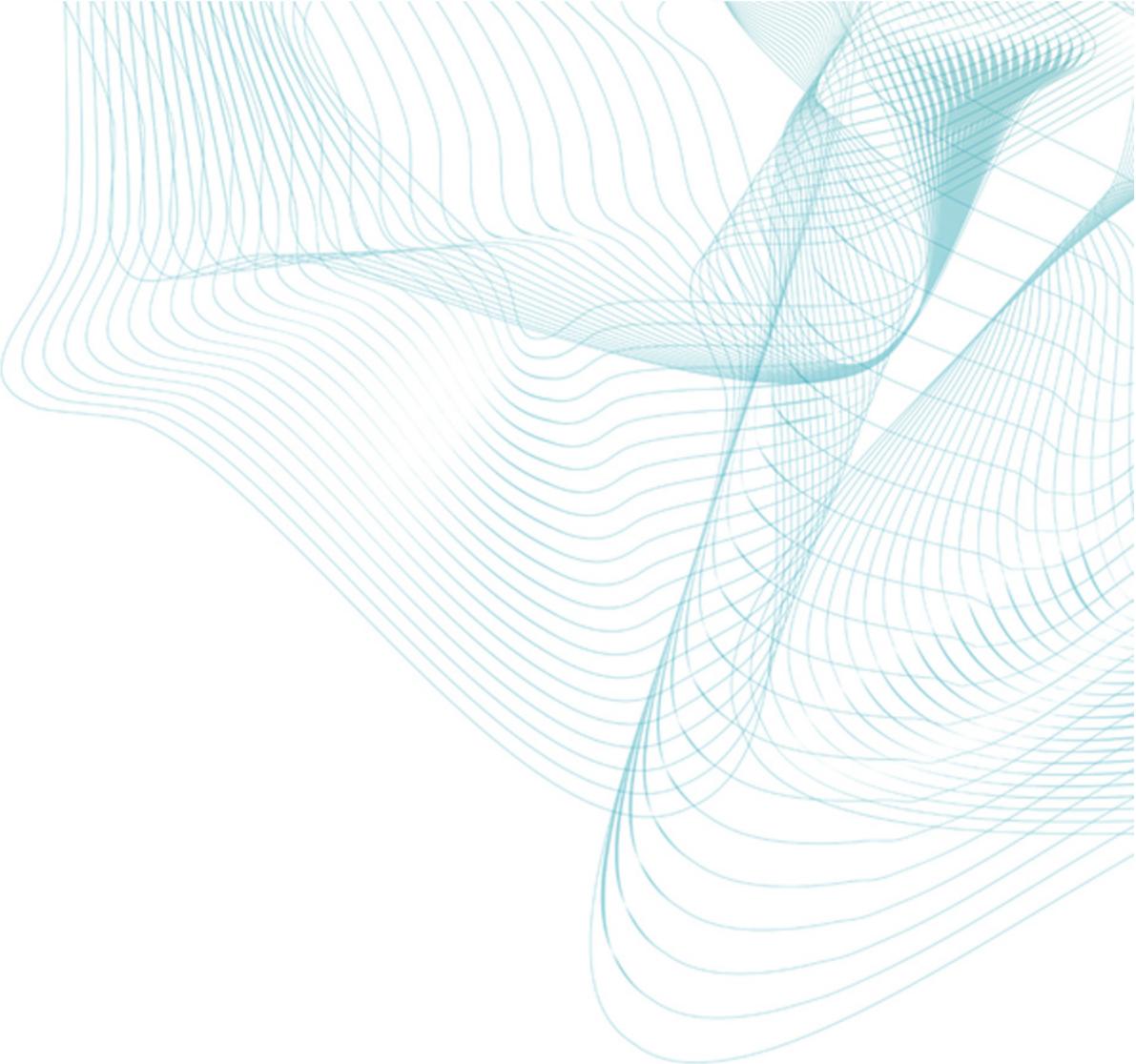
Outline



Use of Financial Accounts in Turkey



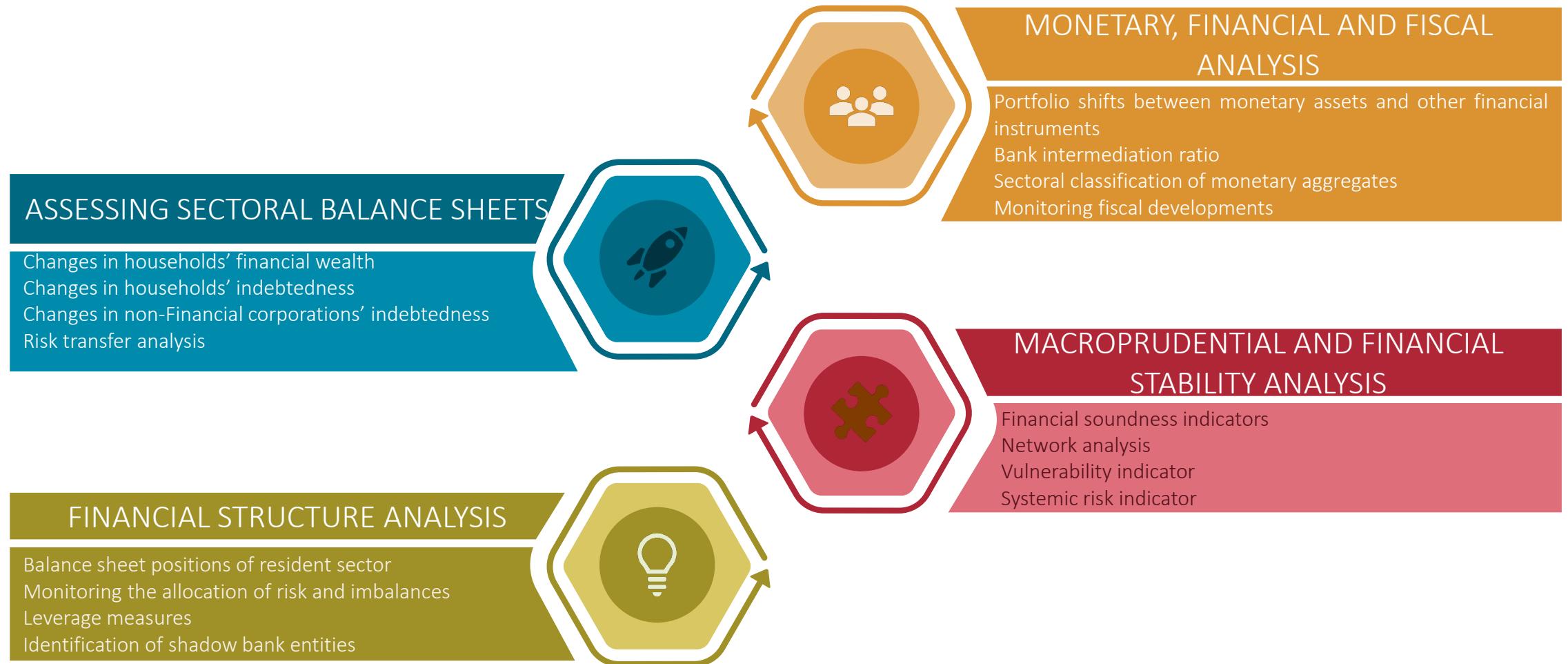
Future Work



Use of Financial Accounts in Turkey



Use of Financial Accounts



FA in Reports

01 FINANCIAL ACCOUNTS

Financial balance sheets of sectors indicate that total Financial assets of the Turkish economy were TRY 12,798 billion, while its liabilities reached TRY 14,805 billion in 2018Q3. Net liabilities to the rest of the world increased by TRY 197 billion quarter-on-quarter to TRY 2,007 billion.

Financial flows between the second and third quarter of 2018 reveal that net transactions amounted to TRY 125 billion while a net valuation decrease worth TRY 322 billion was observed due to the change in exchange rates and market prices.

A cross-country comparison in terms of indebtedness ratios of households and non-financial corporations suggests that Turkey maintained its place among countries with low indebtedness levels in the third quarter.

02 FINANCIAL STABILITY REPORT

Against this background, Turkey's household debt to GDP ratio reached 16.6 percent in March 2018 (Chart III.1.16). Accordingly, Turkey ranks below selected EMEs that have a household indebtedness of 29.2 percent on average. Moreover, the spreads of the last two years reveal that Turkey's household indebtedness decreased at a faster rate than the average for selected EMEs.

03 INFLATION REPORT

Total debt of sectors/GDP,%

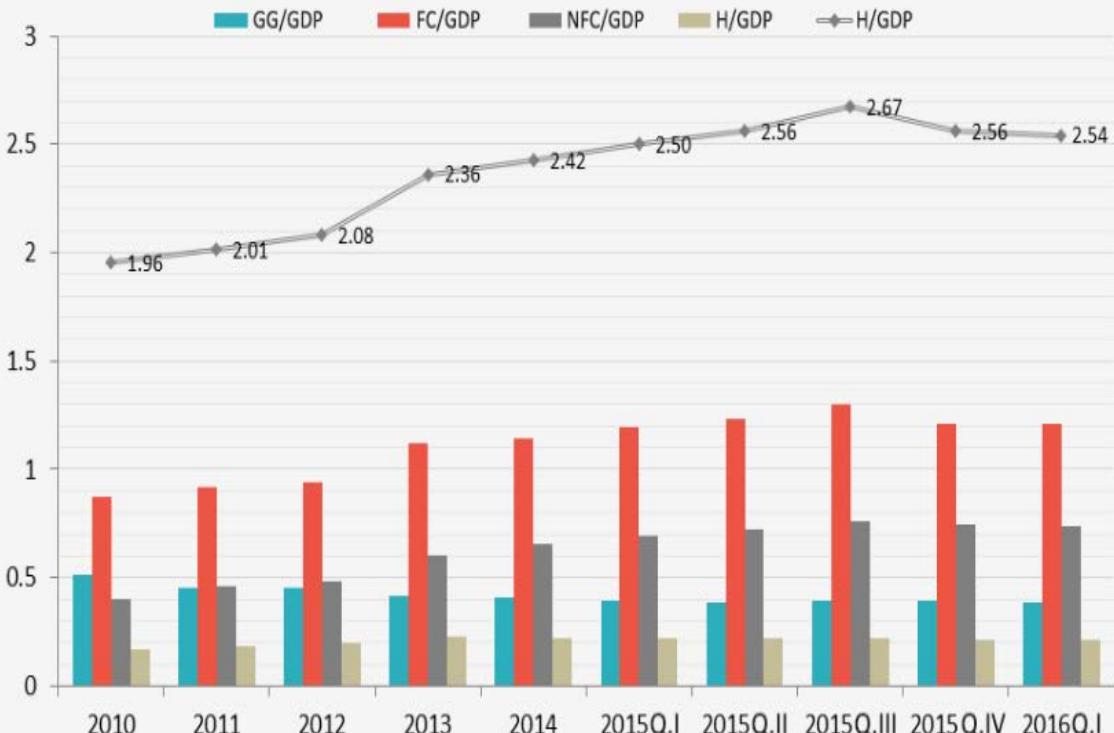
Total debt of sectors/GDP, Country Comparison

for Inflation Report Presentation.

Cakmak and Dursun (2016)

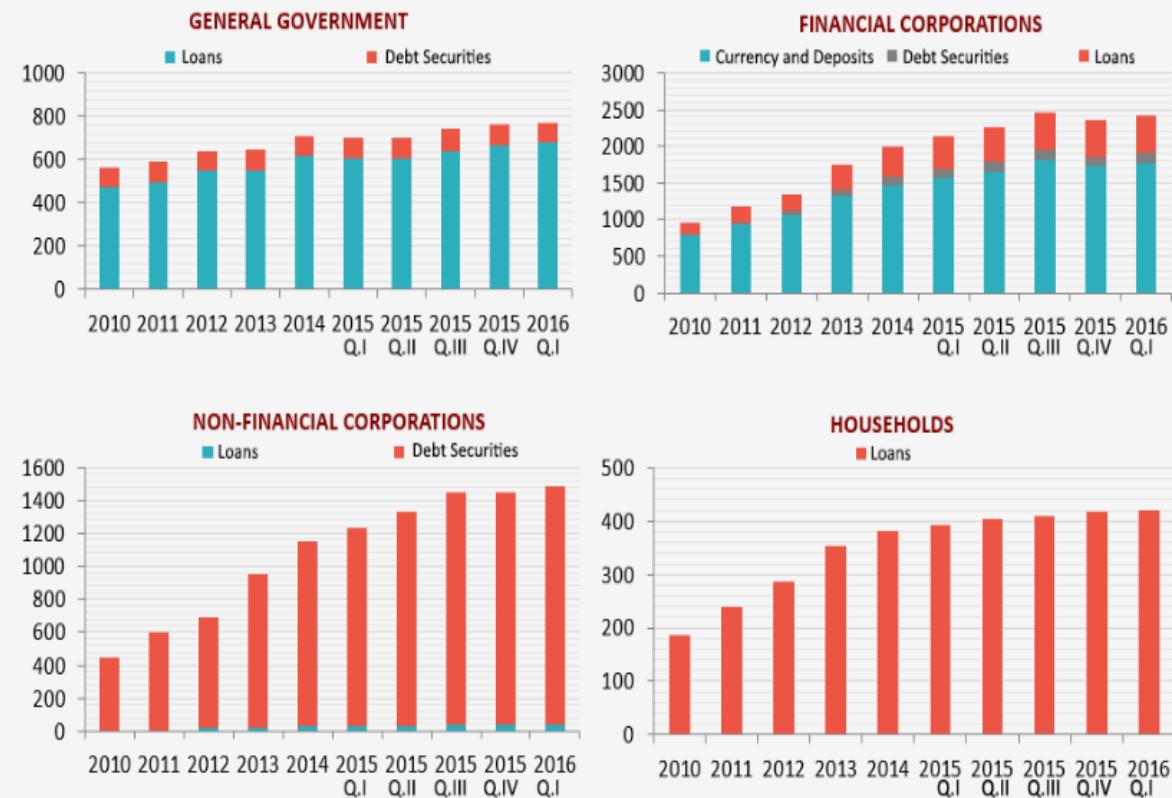


Chart 1. Total Debts* By Sectors/GDP (2010-2016 Q1)



CBRT Blog

Chart 2. Debt Structure By Sectors (Billion TL)



Source: CBRT

*Debts are composed of currency and deposits, debt securities and loans.

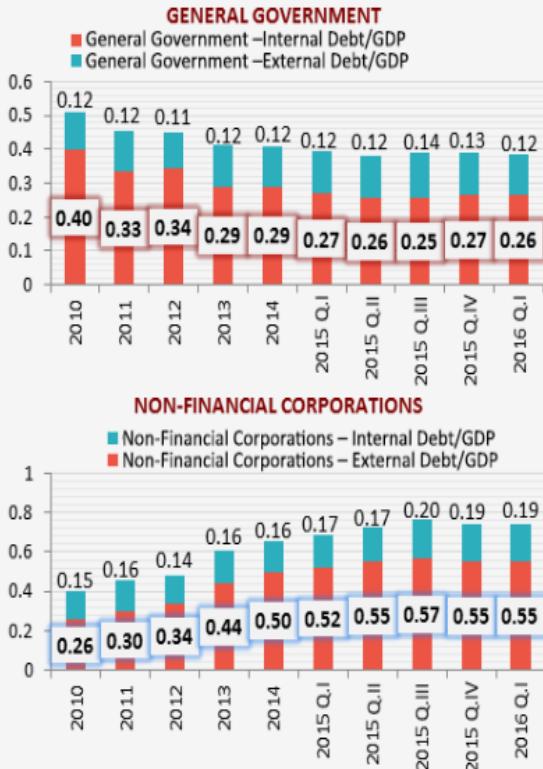
GG: General Government, FC: Financial Corporations, NFC: Non-Financial Corporations,
H: Households, GDP: Gross Domestic Product

Source: CBRT

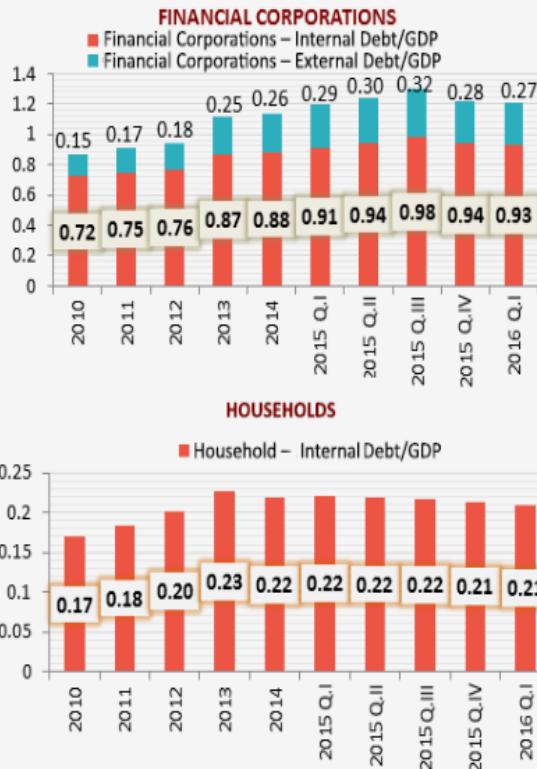
Cakmak and Dursun (2016)



Chart 3. Debt Structure By Sectors (Billion TL)

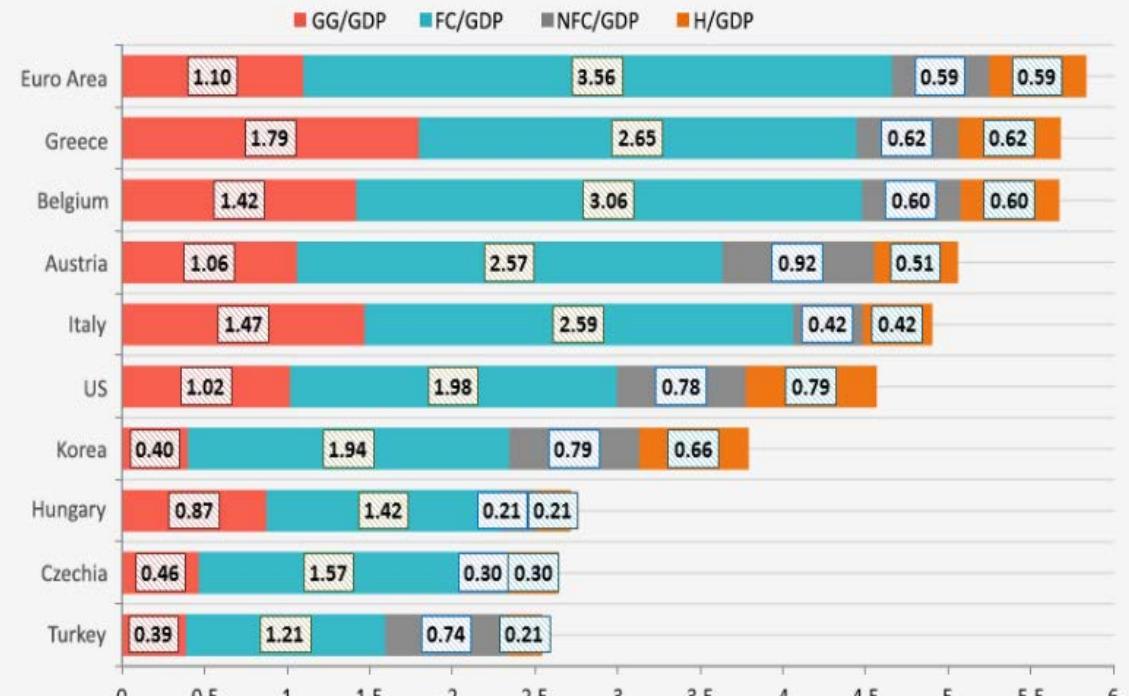


CBRT Blog



Source: CBRT,
Undersecretariat of
Treasury

Chart 4. Country Comparison – Total Debts By Sectors*/GSYH (2016 Q1)



*Debts are composed of currency and deposits, debt securities and loans.

GG: General Government, FC: Financial Corporations, NFC: Non-Financial Corporations,
H: Households, GDP: Gross Domestic Product

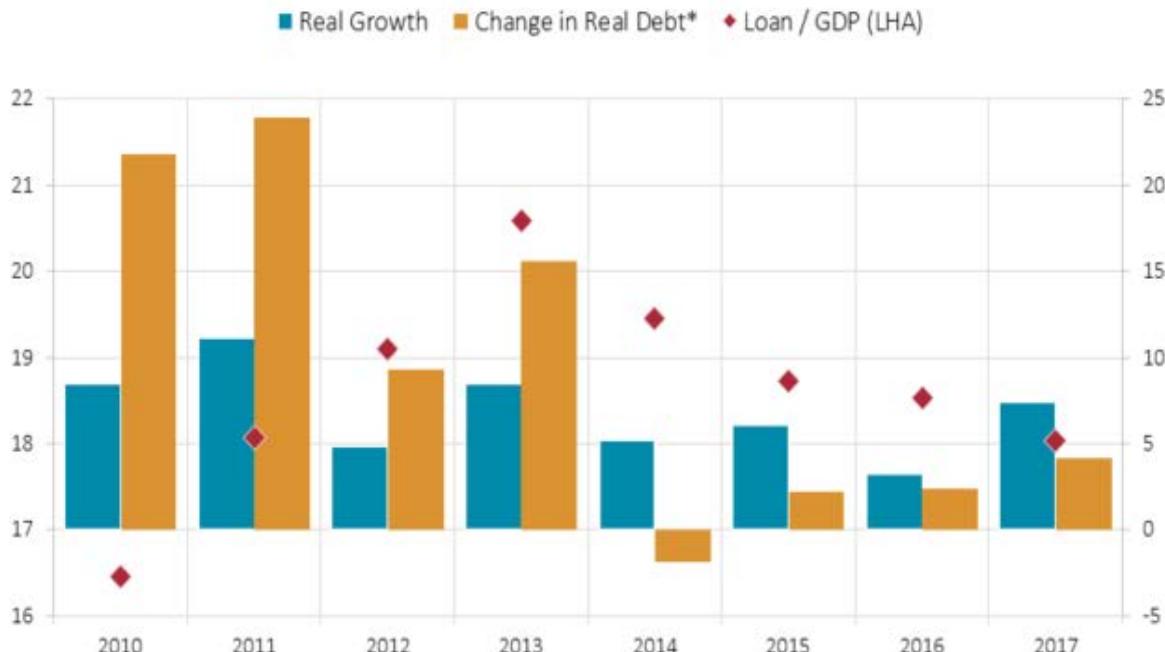
Source: CBRT,
OECD Statistics
Portal



Kılıç and Egemen (2018)



Chart 1. Change in Household Indebtedness in Turkey (%)

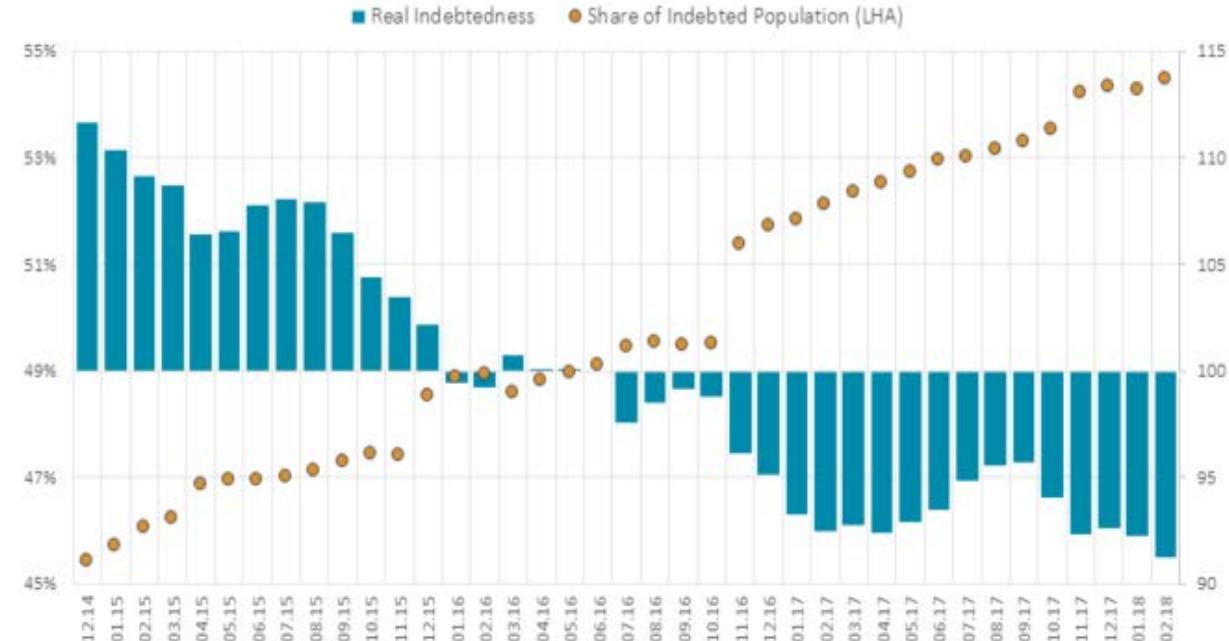


* Household debt stock has been deflated by the CPI.

CBRT Blog



Chart 2. Retail Loan Debt and Share of Indebted Population



Retail loans include housing, vehicle, and general-purpose loans as well as individual credit card balances of banks and financing companies. Real indebtedness shows the inflation-adjusted indebtedness level per borrower calculated by indexing the analysis period average to 100. Share of indebted population is the ratio of the total number of borrowers to the segment of population older than 15 years of age estimated via linear interpolation.

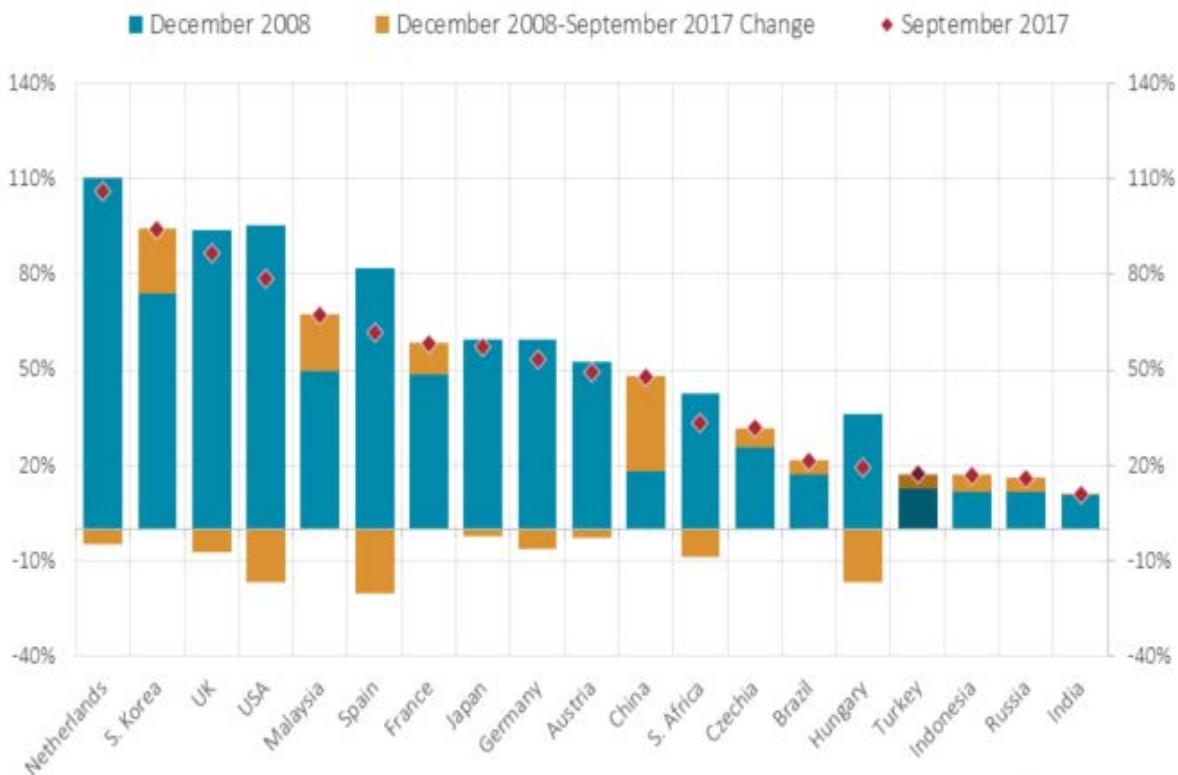
Source: The Banks Association of Turkey Risk Center; Turkish Statistical Institute



Kılıç and Egemen (2018)



Chart 3. Household Indebtedness as a Percentage of GDP

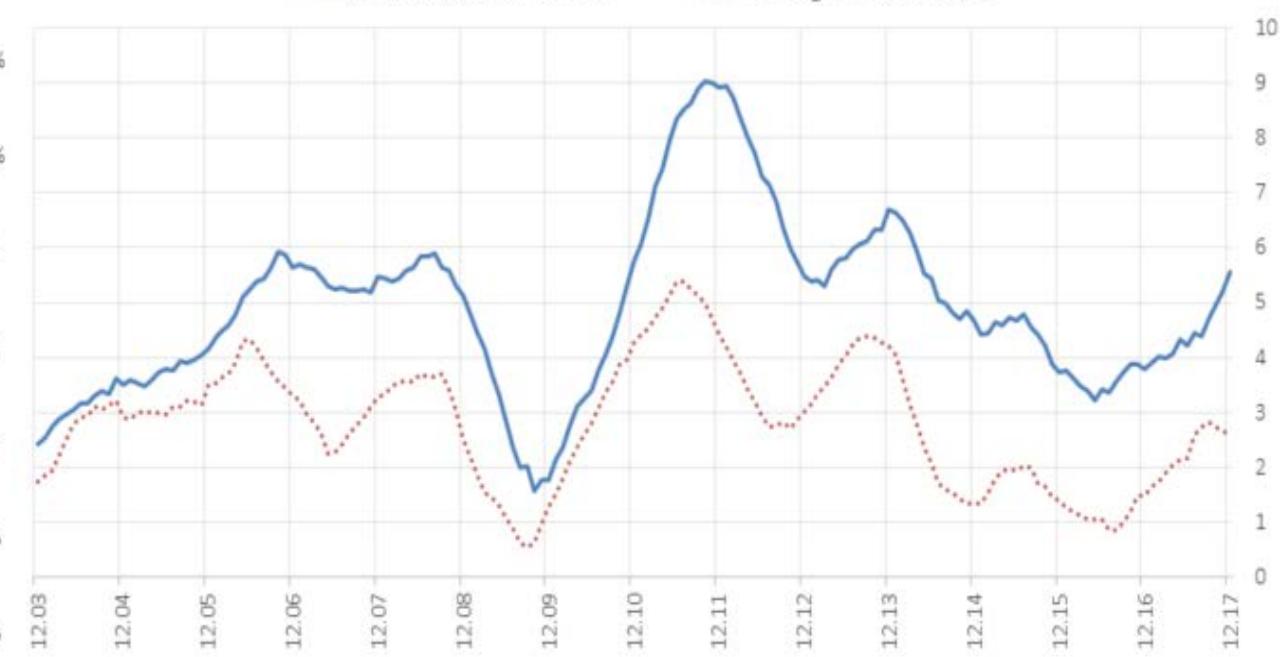


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Chart 4. Retail Loans and Current Account Balance (as a percentage of GDP)



— Current Account Deficit
..... Change in Retail Loans*



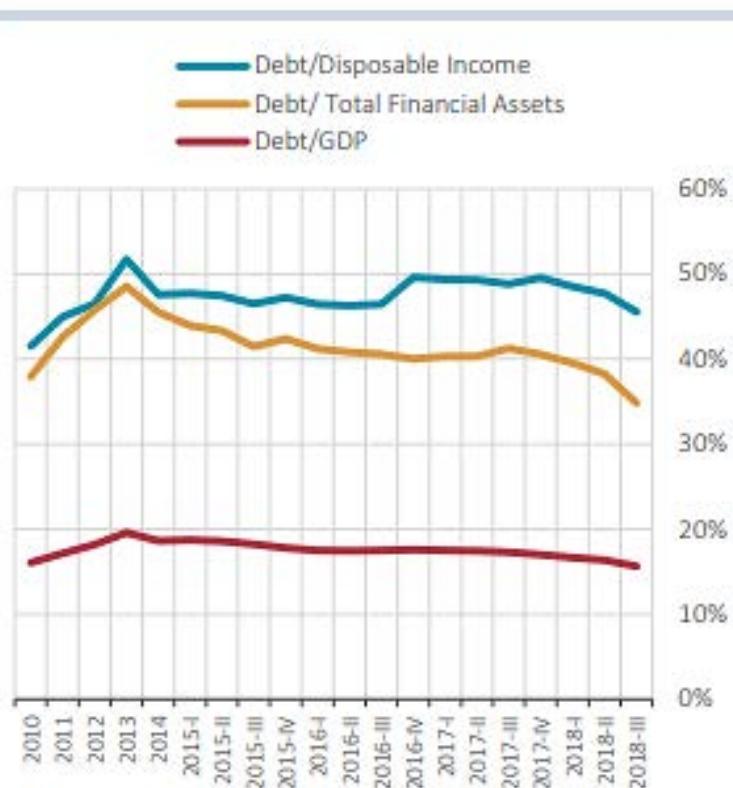
* Calculated via dividing the retail loan balance differences by GDP levels in the same month of the previous year.

Source: BRSA, CBRT



Assessing Sectoral Balance Sheets

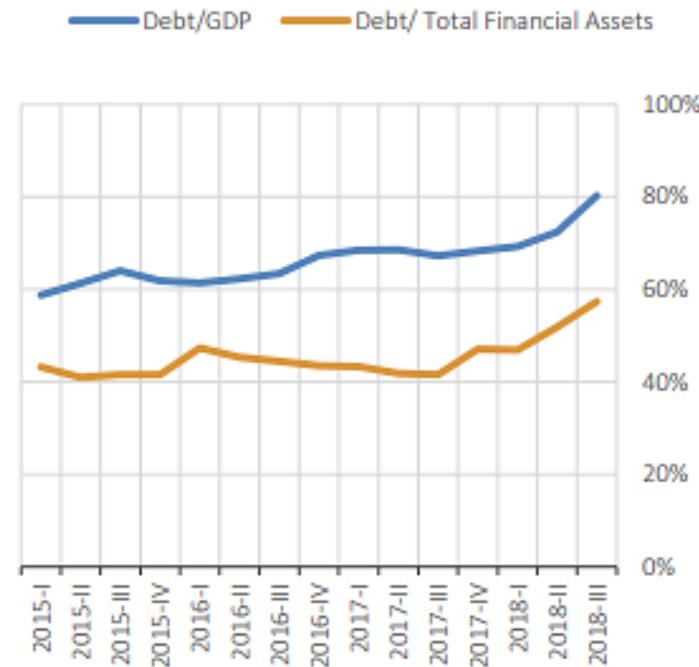
Chart 12: Household Debt* (%)



Source: CBRT, TURKSTAT

*Household debt is composed of loans.

Chart 19: Non-Financial Corporations' Debt * (%)



Source: CBRT, TURKSTAT.

(*) Debts are composed of loans and government debt securities

Macroprudential and Financial Stability Analysis

Chart 5: Loans, From-Whom-to-Whom (2018Q3, TRY Billion)²

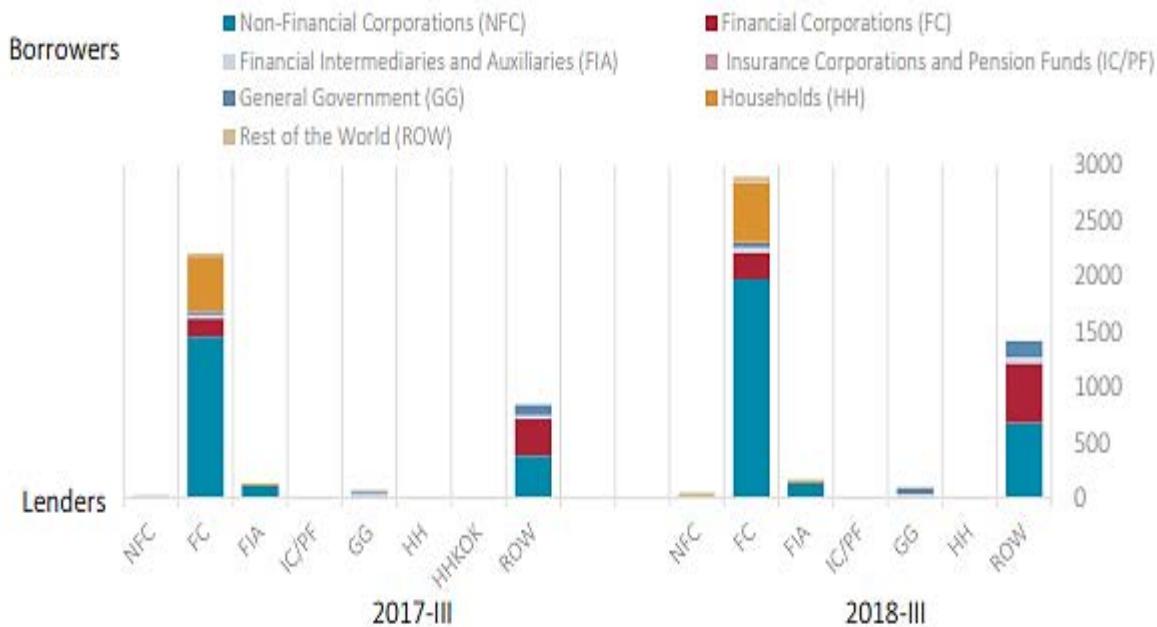


Chart 6: Deposits, From-Whom-to-Whom (2018Q3, TRY Billion)²



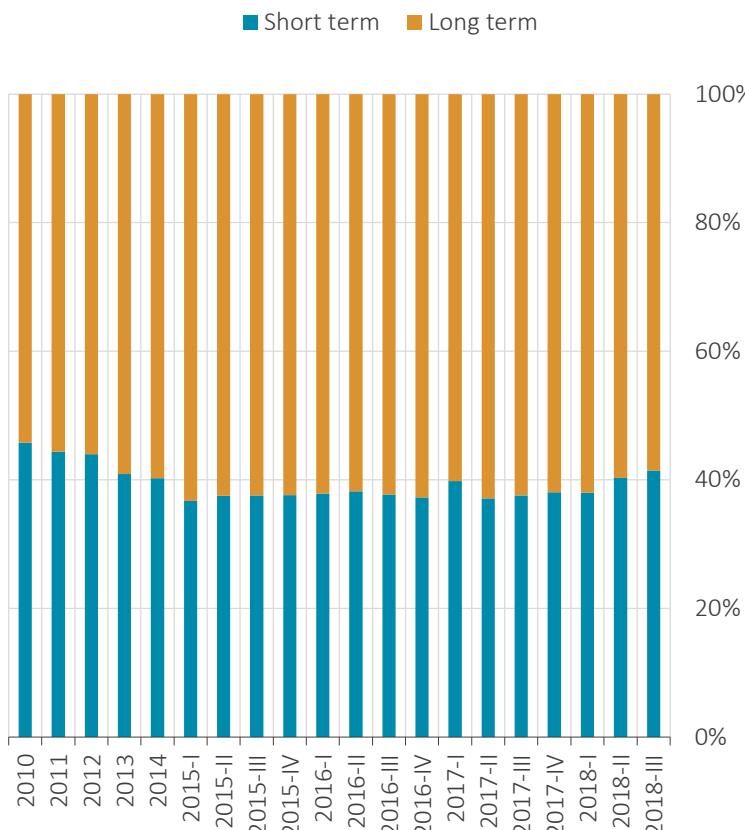
Source: Financial Accounts Report 2018-III

Financial Balance Sheet Risk Indicators (2018Q3)

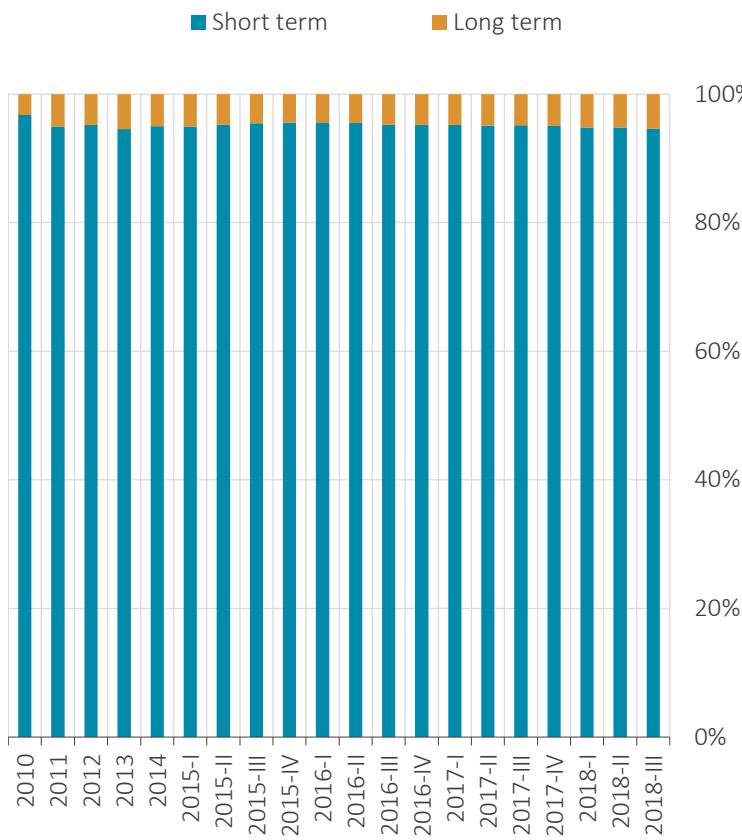
		MFI	OFC	NFC	HH
Solvency Risk	Net Financial Worth (Billion TRY)	212	24	-2,585	1,023
	Liabilities/ GDP	1.32	0.13	2.12	0.17
	Liabilities/ Financial Assets	0.96	0.95	1.52	0.38
Capital Structure Mismatch	Debt/GDP	0.66	0.04	0.8	0.16
	Debt/ Equity	5.03	1.11	1.54	-
External Risk	Net External Financial	-353	-60	-1,175	-
	External Liabilities/ GDP	0.35	0.02	0.45	-
	External Liabilities/ Liabilities	0.26	0.14	0.21	-

Risk Indicators/ Maturity Mismatch

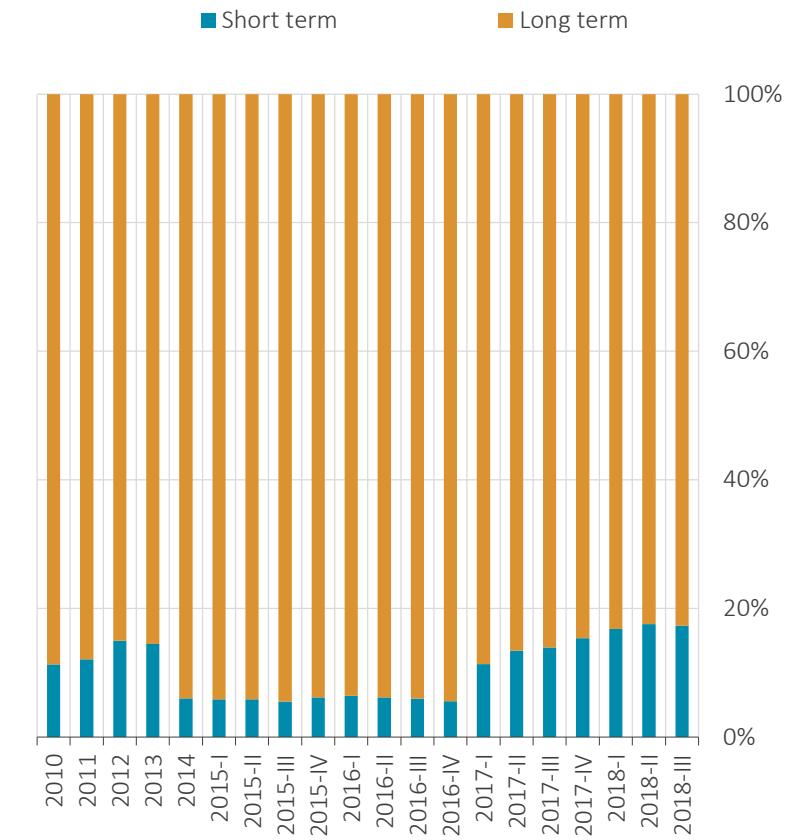
Total loans by maturity(%)



Total deposits by maturity(%)



Total debt securities by maturity(%)



Risk Indicators

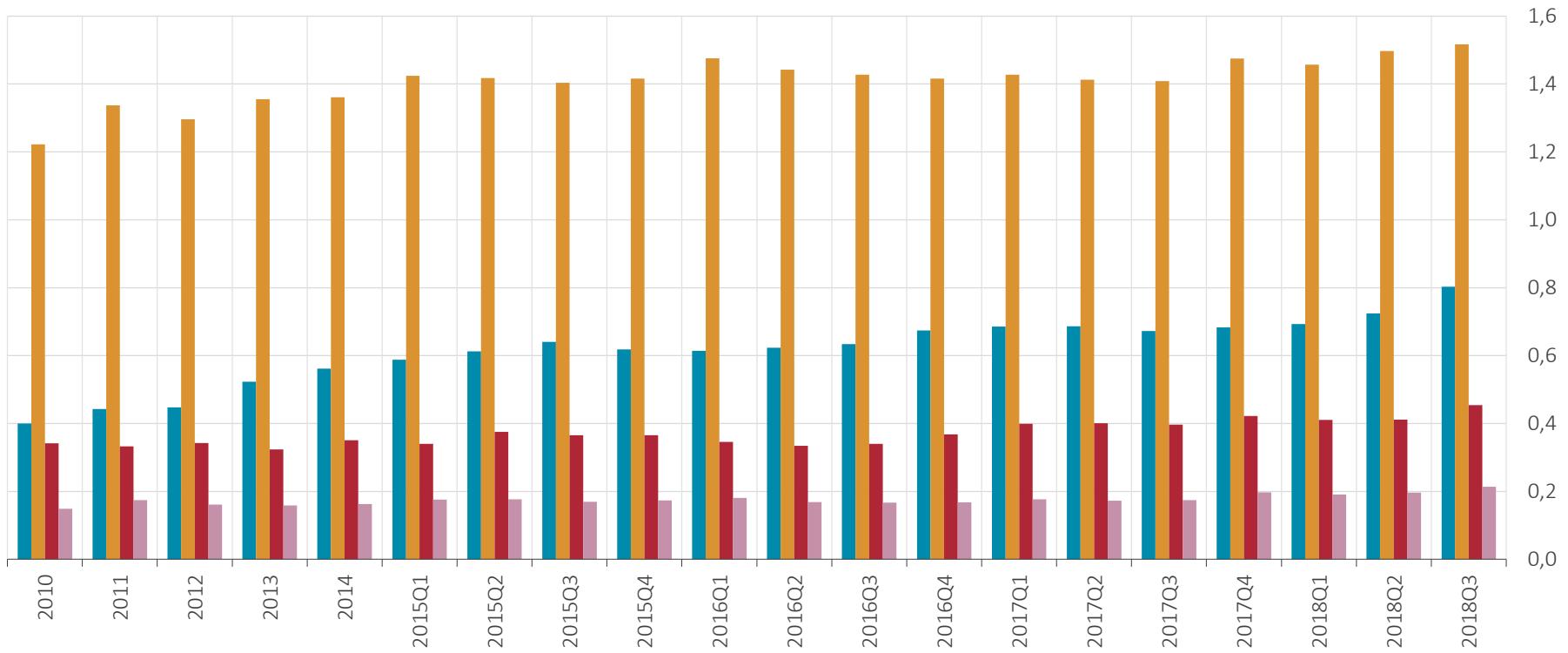
Non-Financial Corporations

■ Debt/ GDP

■ Liabilities / Financial Assets

■ Foreign Liabilities / GDP

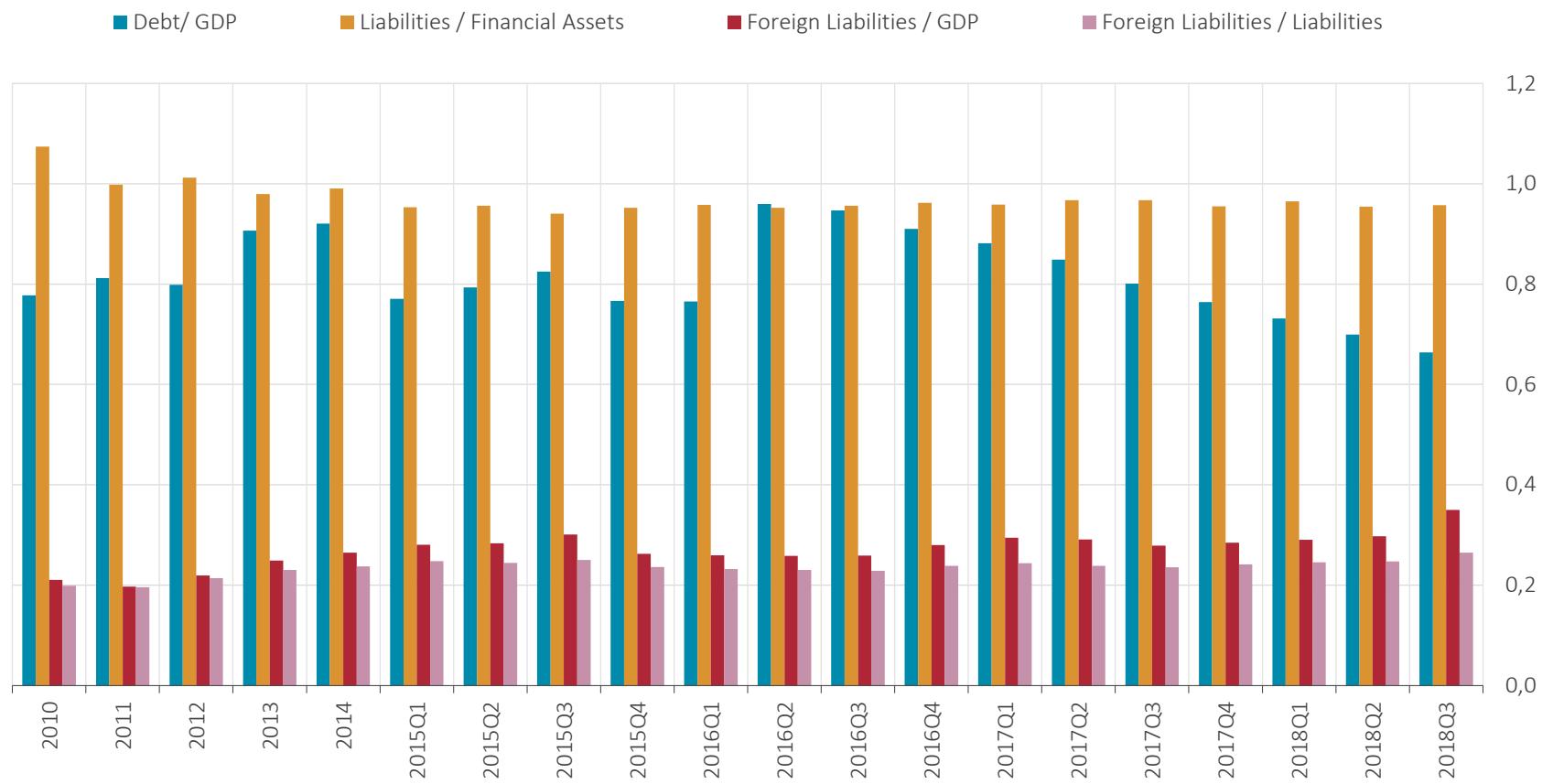
■ Foreign Liabilities / Liabilities



Source:CBRT Financial Accounts

Risk Indicators

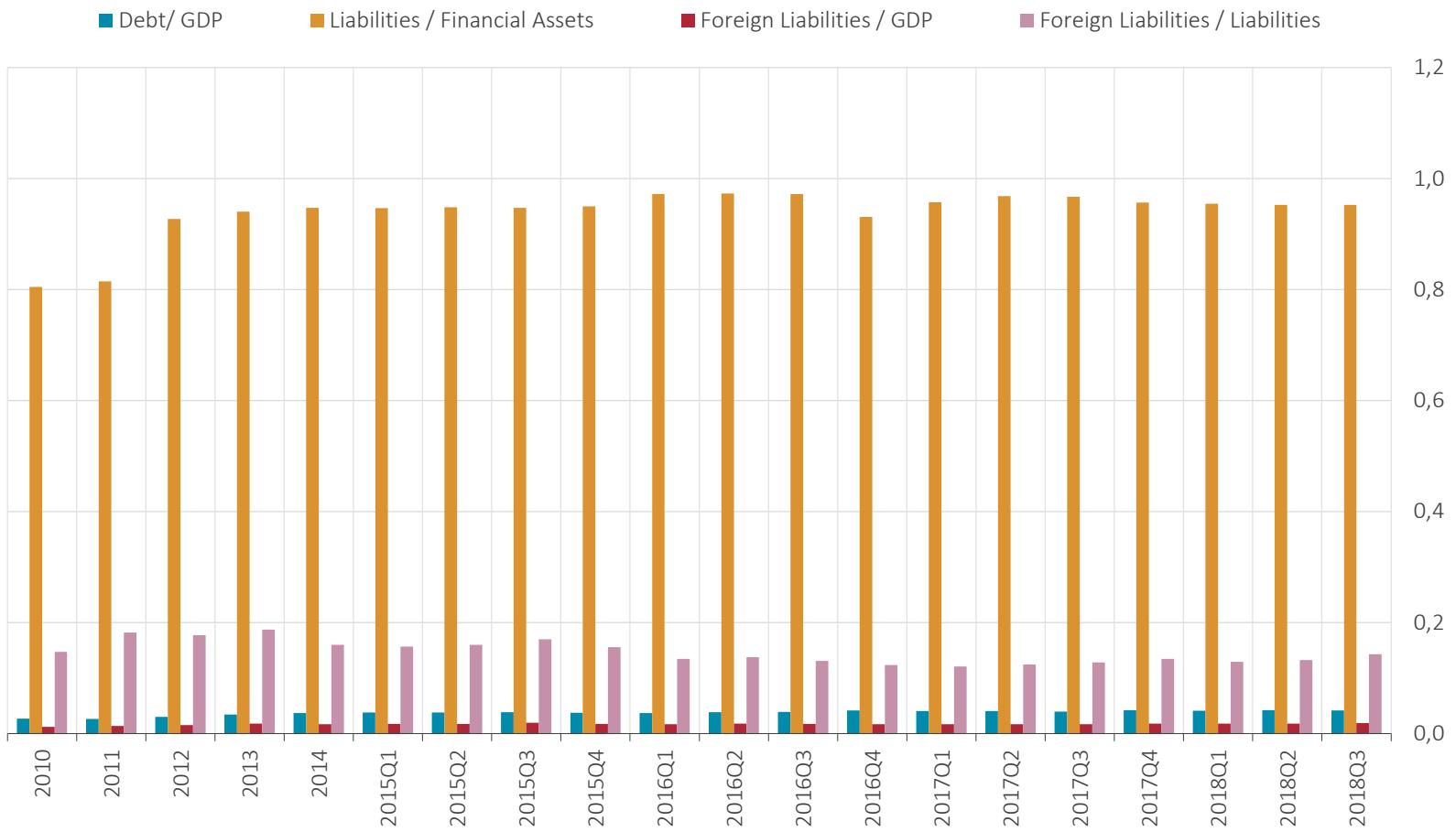
Monetary and Financial Institutions



Source:CBRT Financial Accounts

Risk Indicators

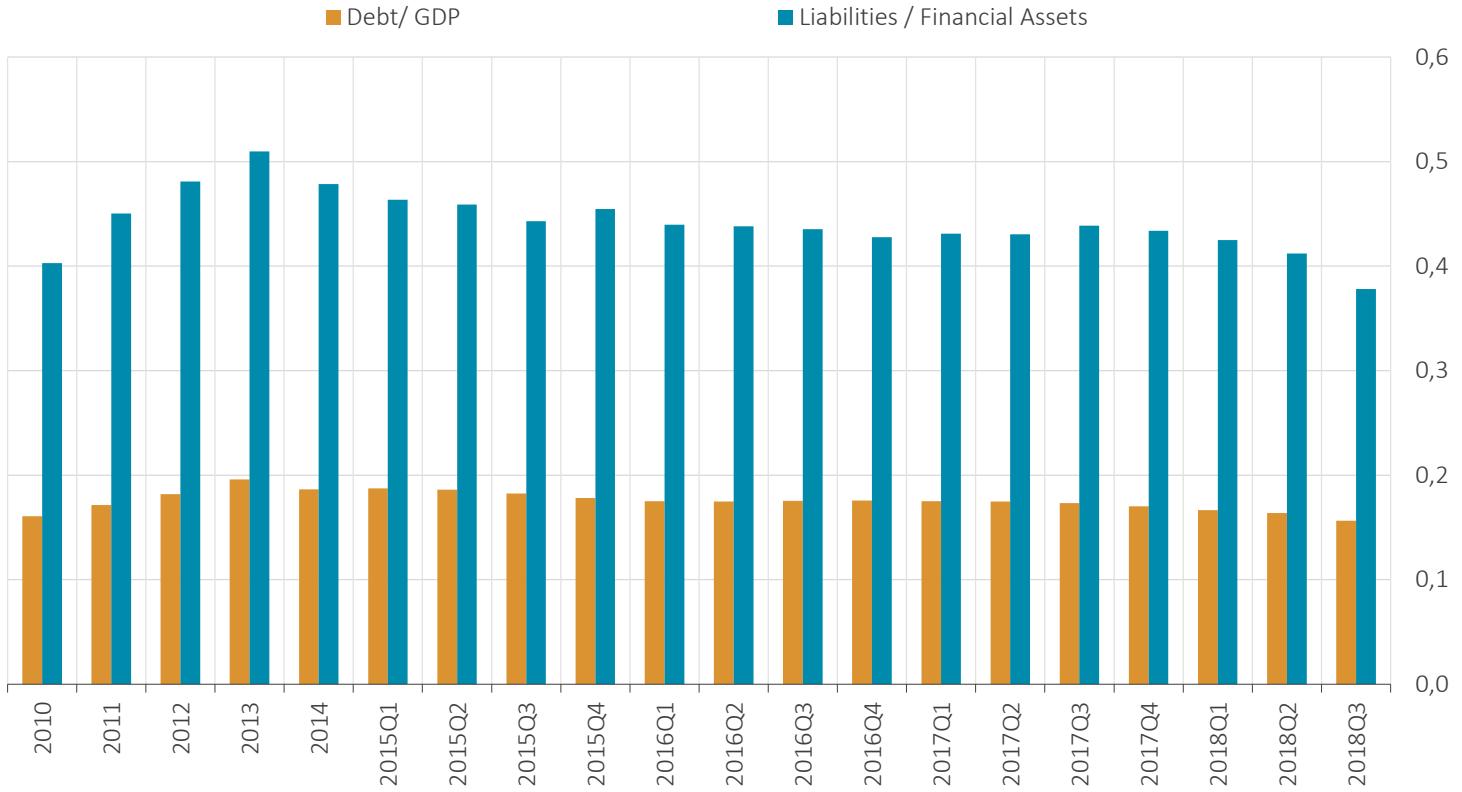
Other Financial Corporations



Source:CBRT Financial Accounts

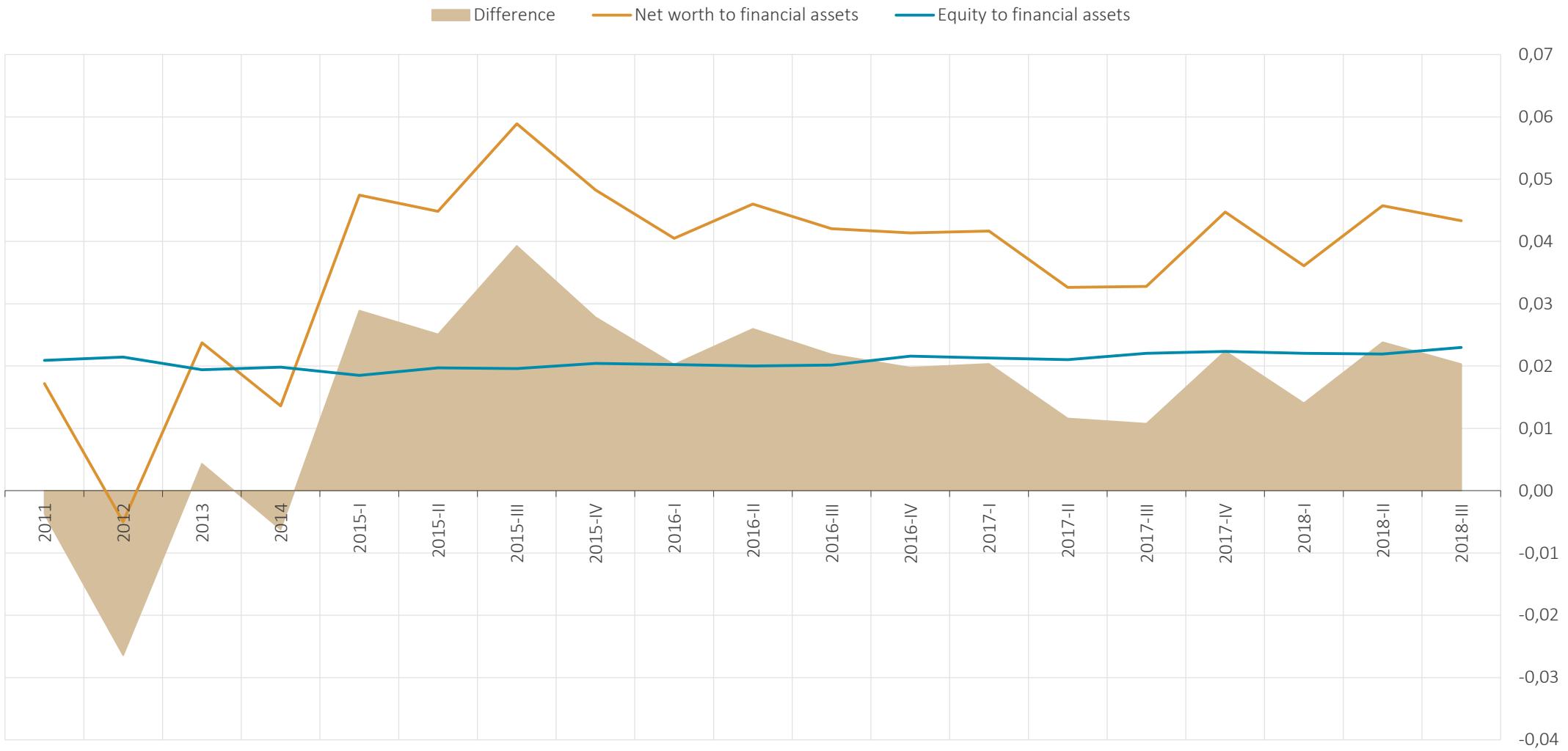
Risk Indicators

Households



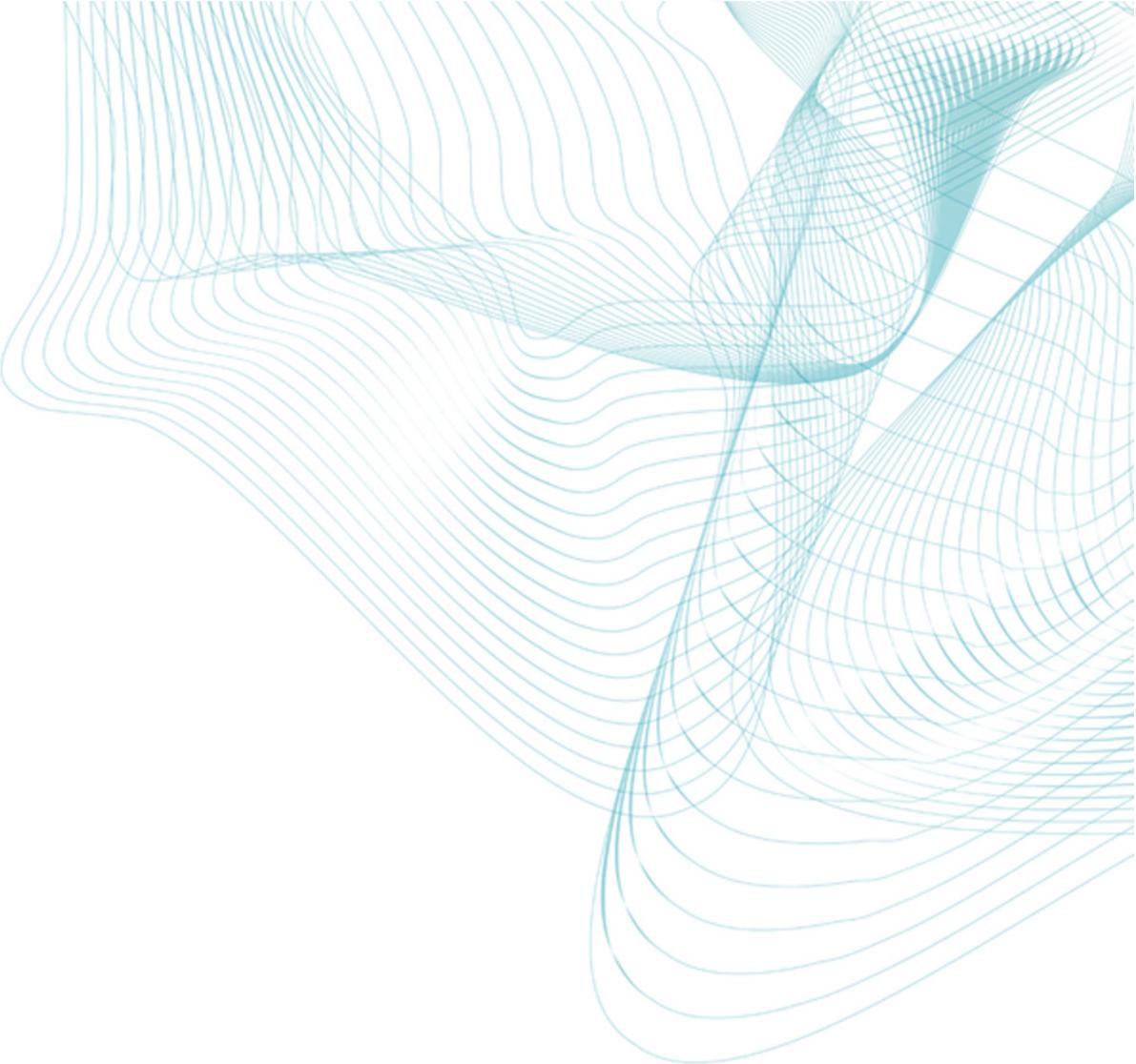
Source:CBRT Financial Accounts

Capital Position of the Financial Corporations (ratio)



Source:CBRT Financial Accounts

Future Work



Future Work

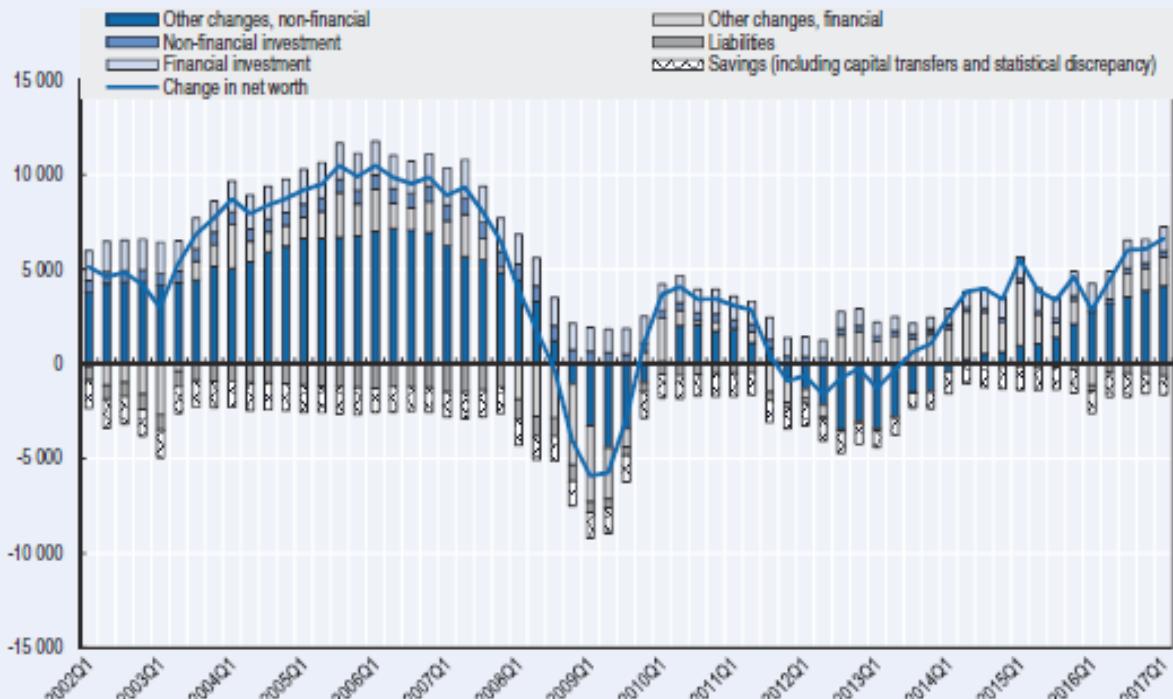
« The more granular the sector breakdown, the more useful the analytical possibilities brought by FWTW information become. »

Understanding Financial Accounts (2017)

need for developed whom to whom matrices

Future Work

Figure 11.2. Accumulation of households' net assets:
changes in household net worth, 2002-17
EUR per capita; changes over four quarters



Source: ECB and Eurostat (2017).

StatLink <http://dx.doi.org/10.1787/888933589409>

need for coherent Integrated Accounts

Future Work

need for longer series

Annually 2009 - 2014
Quarterly 2015Q1....



Future Work

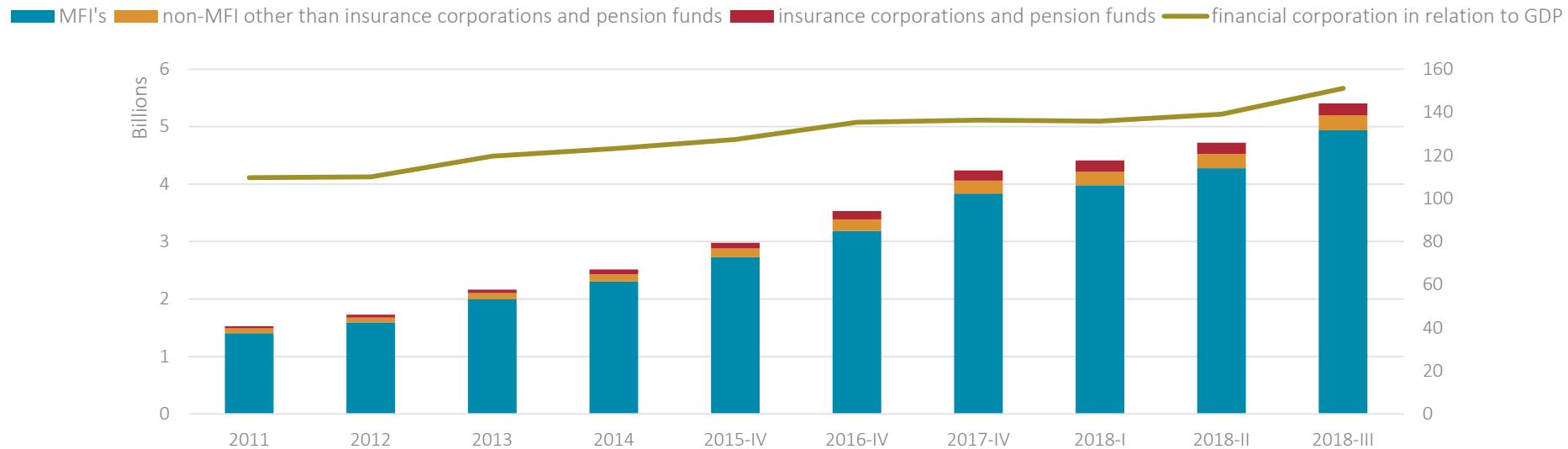


need for improved data awareness



Future Work

Financial assets held by financial corporations (Billion TRY)



The increased role of MFI and OFI in financial intermediation reflects both cyclical & structural factors

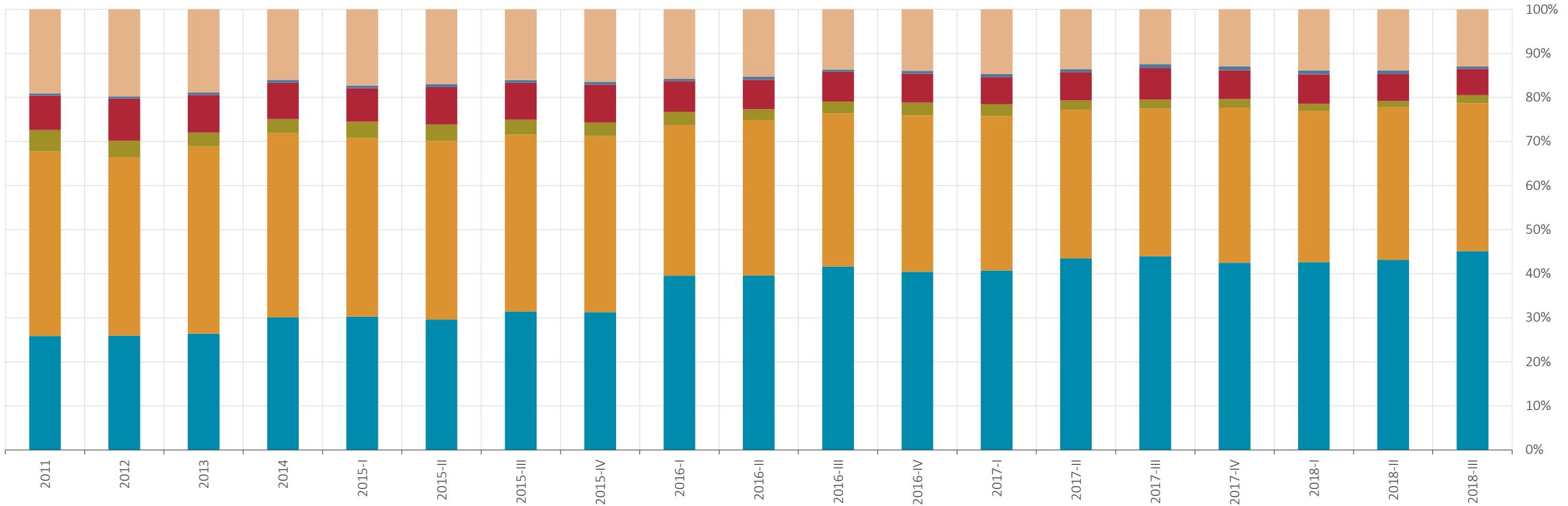
=> interest rates, regulatory changes, demographic trends & transition to ESA 2010.

need for more granular info

Future Work

Financial assets held by ICPFs(%)

■ Currency and Deposits ■ Debt Securities ■ Loans ■ Shares and Other Equity ■ MMF and IF share ■ Insurance and Pensions Schemes ■ Financial Derivatives ■ Other Accounts Receivable



need for split of Pension Funds in Defined Benefit-Defined Contribution schemes



Future Work



ARGENTINA 2018



need further work for encouraged breakdowns

NFCs and FCs according to ownership/control

loans and debt securities according to remaining maturity

financial derivatives as options and forwards



Please contact for further information

Thanks

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