

The IMF - World Bank Spring Meetings

Erdem Başçı Governor

April 2013

Overview

- > Capital flow volatility may cause misalignments in credit and currency.
- Credit and currency misalignments hurt both price stability and financial stability in emerging market economies.
- Macroprudential policy has proven to be effective in reducing excessively high credit growth in Turkey.
- Using macroprudential policy effectively helps to reduce currency misalignments as well.
- Improvements in price stability and financial stability also improve balanced growth prospects in Turkey.



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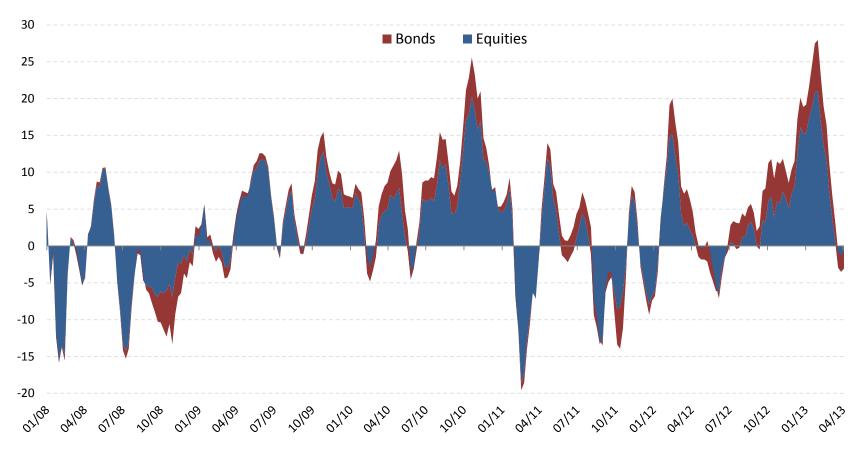


CAPITAL FLOW VOLATILITY



Capital Flows

Equity and Bond Flows to Emerging Market Economies (4-Week Moving Sum, Billion USD)



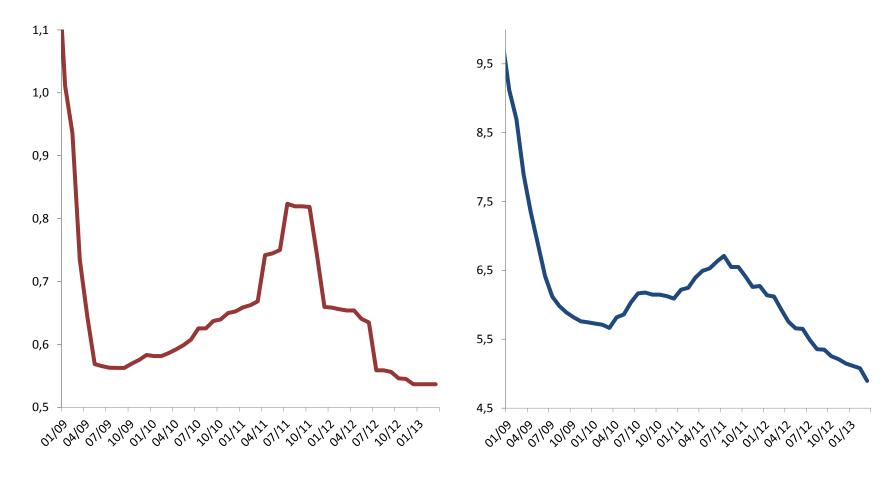
Source: Emerging Portfolio Fund Research (EPFR)



Global Policy Rates

Advanced Economies

Emerging Market Economies

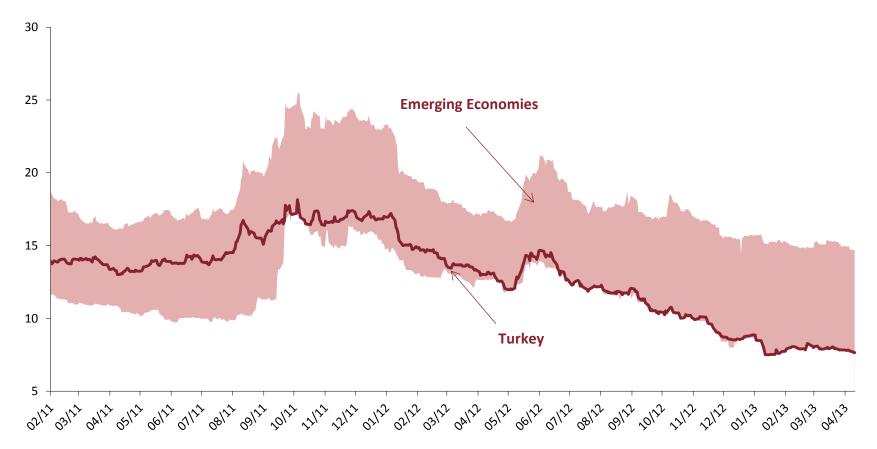


Source: Bloomberg.



Exchange Rate Volatility





Emerging market economies that are running current account deficit are: Brazil, Chile, Colombia, Mexico, Poland, Czech Rep., S. Africa, Indonesia, Romania and Turkey.

Source: Bloomberg, CBRT.



Real Effective Exchange Rate (REER)

CPI Based REER (Base year: 2003)

REER

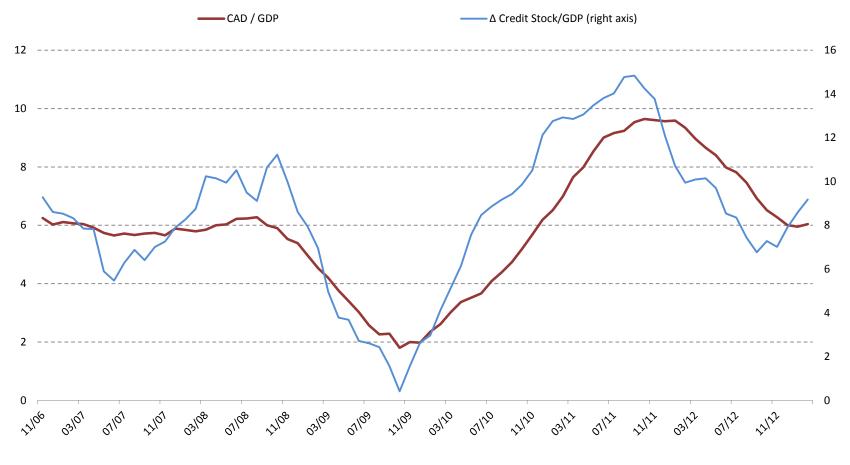


Source: CBRT.



Credit Growth

Credit Growth and Current Account Deficit (Percent, 12-Month Cumulative)

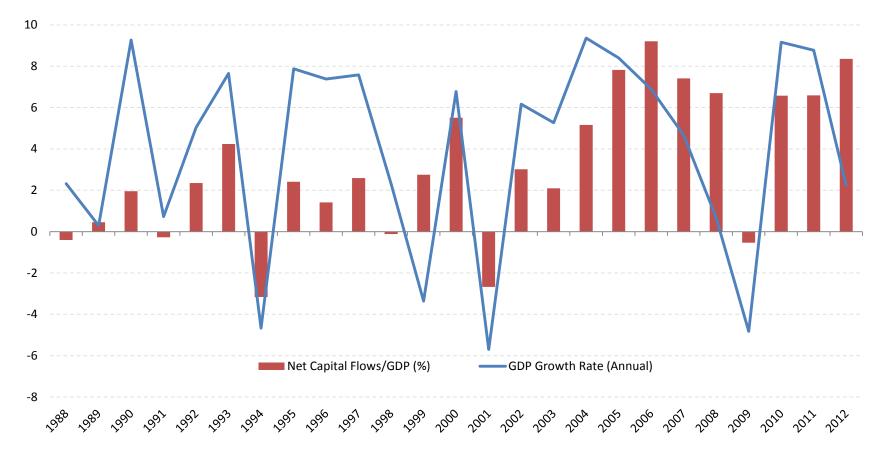


Source: CBRT.



GDP Growth

Capital Flows and GDP Growth in Turkey (Percent, Annual)



Source: CBRT



THE POLICY FRAMEWORK



Policy Framework

	Old Approach	New Approach		
Objectives	Price Stability	Price Stability Financial Stability		
Policy Tools	Policy Rate	Structural Tools Cyclical Tools		



Structural Tools

Maturity Based Reserve Requirements

Leverage Based Reserve Requirements

Reserve Options Mechanism



Cyclical Tools

Policy Rate

Interest Rate Corridor

> TL Liquidity Management

FX Liquidity Management

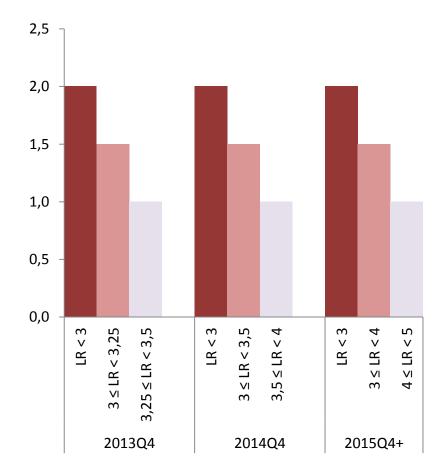


Maturity Based Reserve Requirements

	Core Liabilities			Non-Core Liabilities	
	M < 1 year	M <u>></u> 1 year		M < 1 year	M <u>≥</u> 1 year
TL	11.1%	5%	TL	11.5%	6.4%
				M < 3 years	M <u>></u> 3 years
FX	12.5%	9%	FX	12.3%	6%



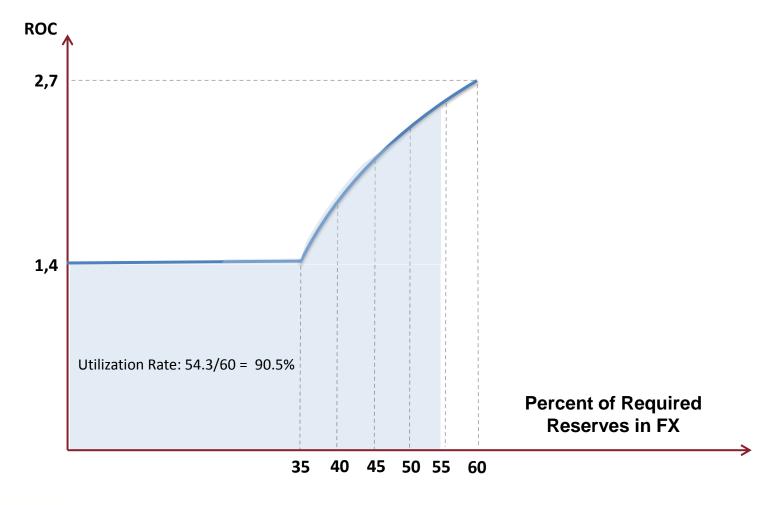
Leverage Based Reserve Requirements





Reserve Options Mechanism (FX)

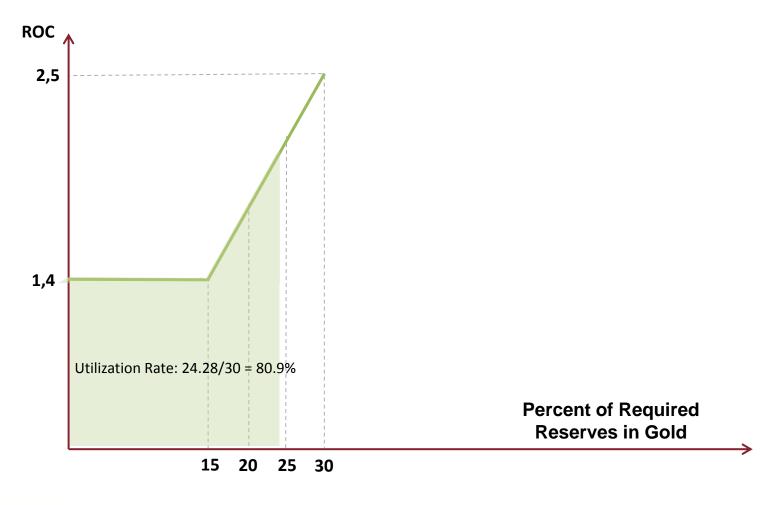
Reserve Option Coefficients (ROC)





Reserve Options Mechanism (Gold)

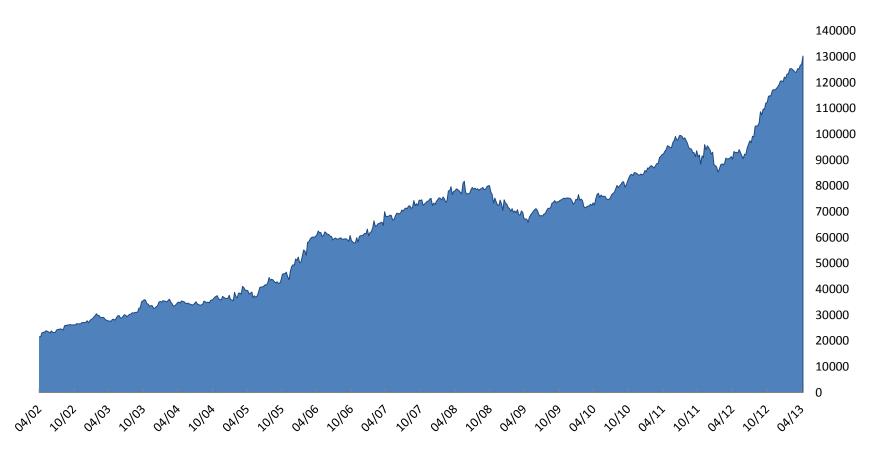
Reserve Option Coefficients (ROC)







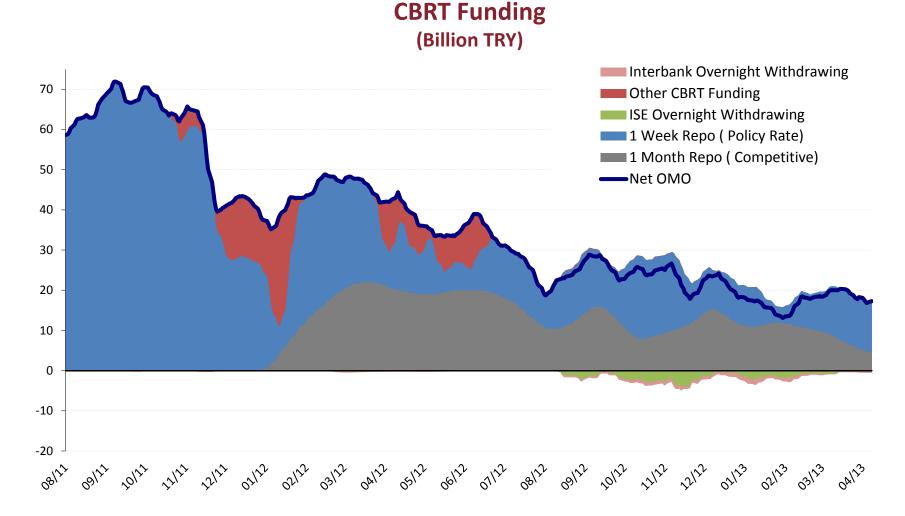
FX and Gold Reserves (Million USD)



Source: CBRT



Liquidity Management

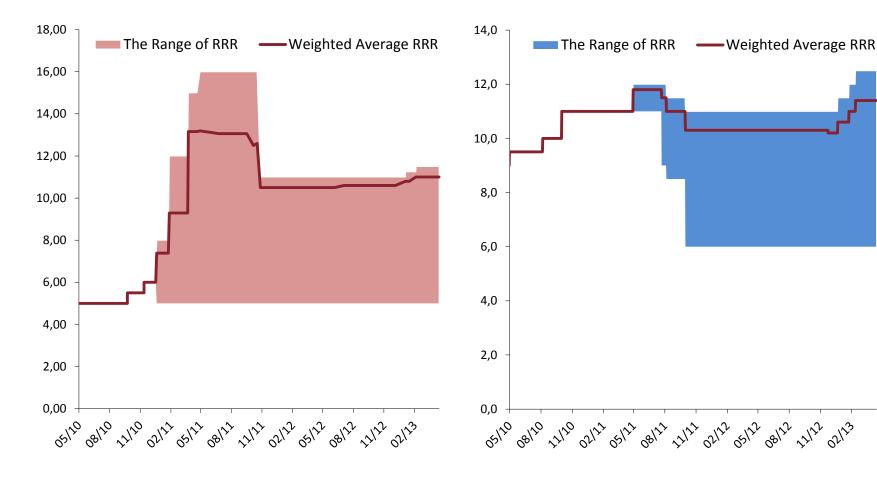


Source: CBRT



Liquidity Management

TL Reserve Requirements



FX Reserve Requirements

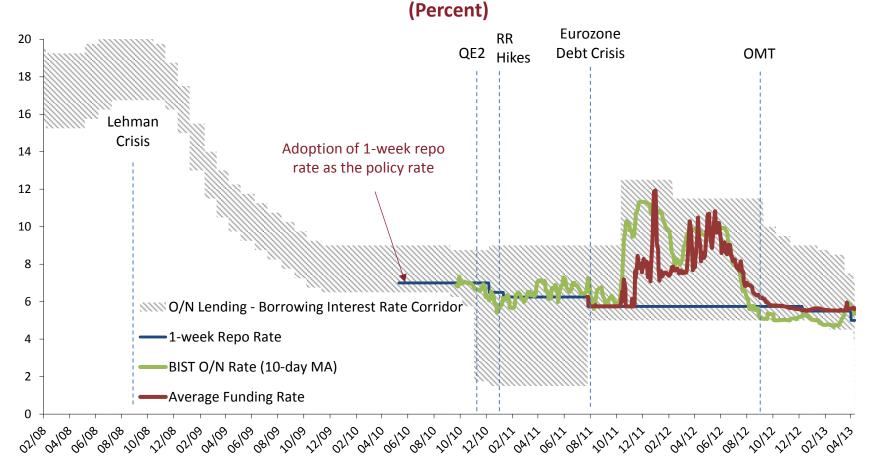
Source: CBRT.



Source: CBRT.

Liquidity Management

Interest Rate Corridor and Average Funding Rate



Source: BIST, CBRT.

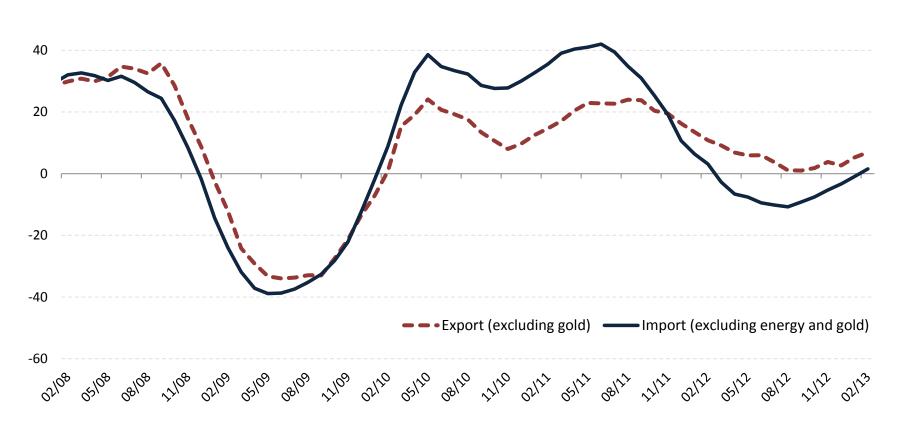


REBALANCING



Rebalancing





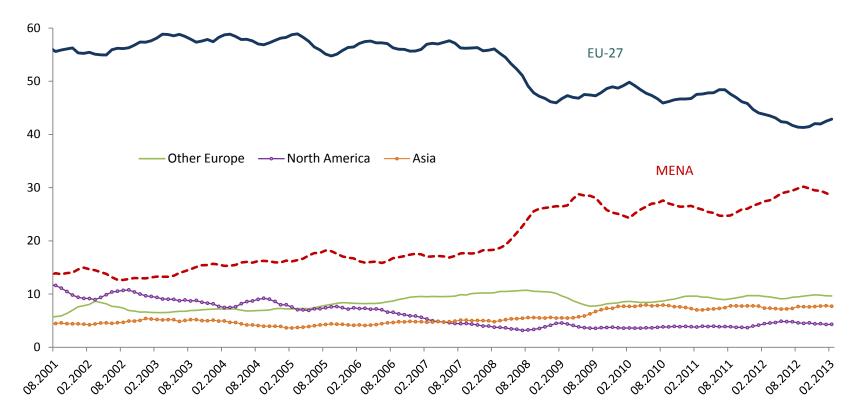
Source: TURKSTAT.

60



Market Diversification

Exports Market Share* (6-Month Cumulative, Percent)



Source: TurkStat

TÜRKİYE CUMHURİYET MERKEZ BANKASI *Excluding gold.

Credit Growth

Total Loan* Growth Rates (YoY Change, Percent)



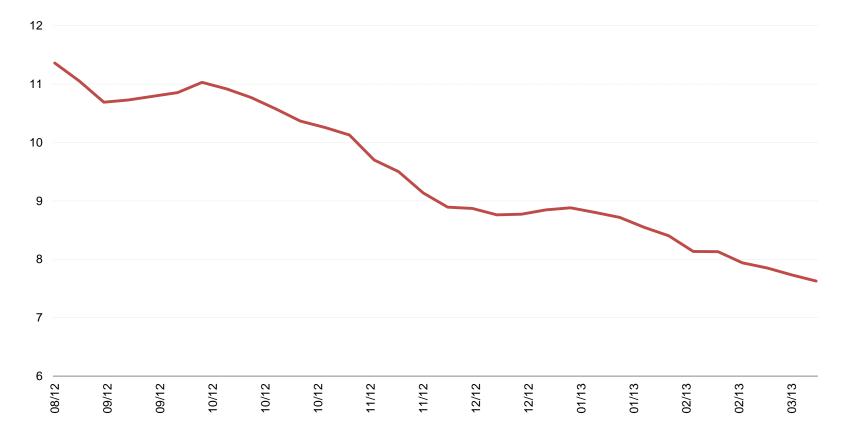
*Total credit is inclusive of all types of banks (deposit banks, participation banks, and development/investment banks) and credit cards.

Source: BRSA.



Commercial Loan Rates

Commercial Loan Rates* (4 Weeks Moving Average, Percent)



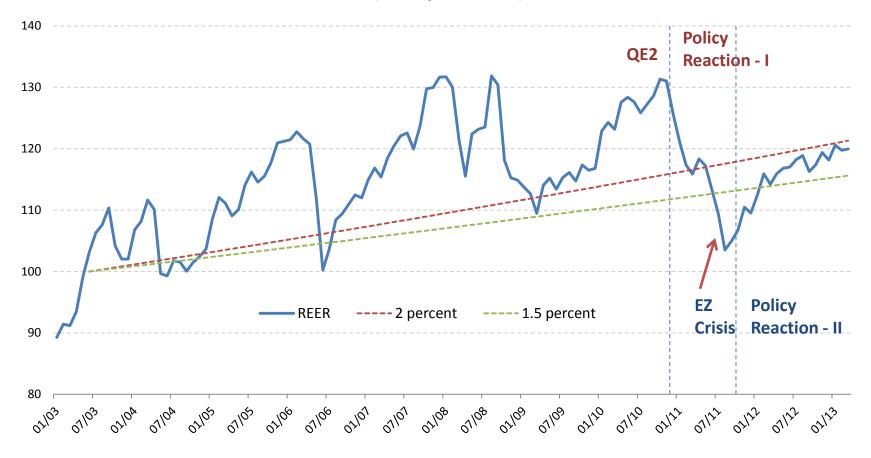
Source: CBRT.



*Excluding Corporate Overdraft Account and Corporate Credit Cards

Real Effective Exchange Rate (REER)

CPI Based REER (Base year: 2003)

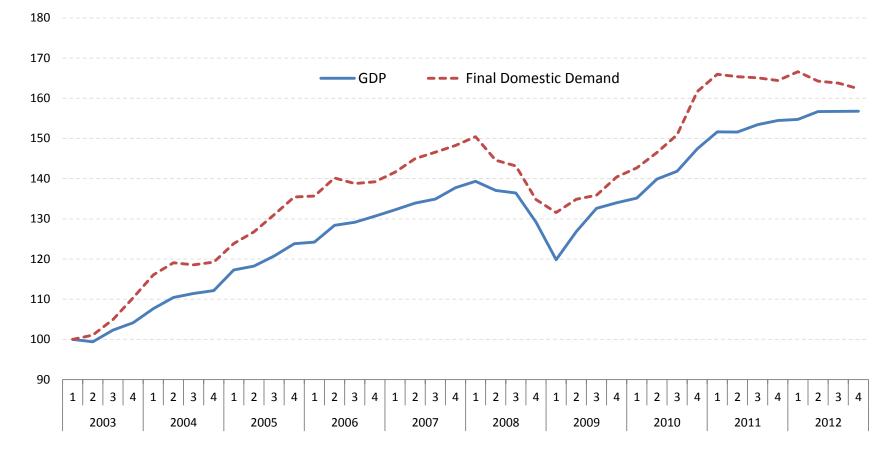


Source: CBRT.



Rebalancing

Final Domestic Demand and GDP (Seasonally Adjusted, 2003Q1=100)

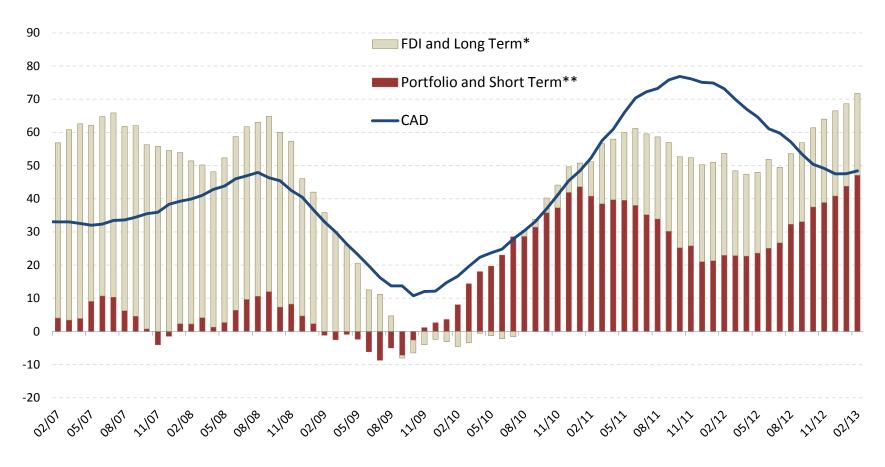


Source: TurkStat, CBRT.



Quality of Capital Inflows

Main Sources of Current Account Deficit Finance (12-Month Cumulative, Billion USD)



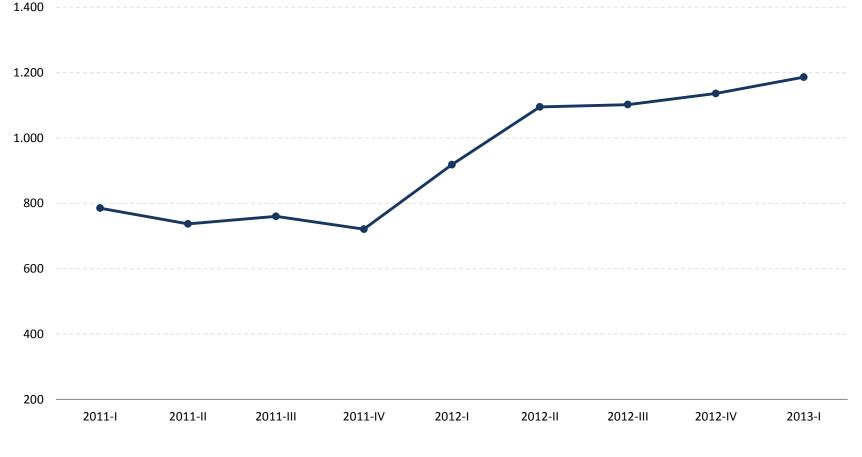
*Long term capital movements are sum of banking and real sectors' long term net credit and bonds issued by banks and the Treasury. **Short term capital movements are sum of banking and real sectors' short term net credit and deposits in banks.

Source: CBRT.



Maturity of Non-Residents' Bond Holdings

Average Maturity (Days)



Source: CBRT.



Greenspan-Guidotti Ratio

Ratio of International Reserves to Short-Term Foreign Debt (Percent)



Source: CBRT

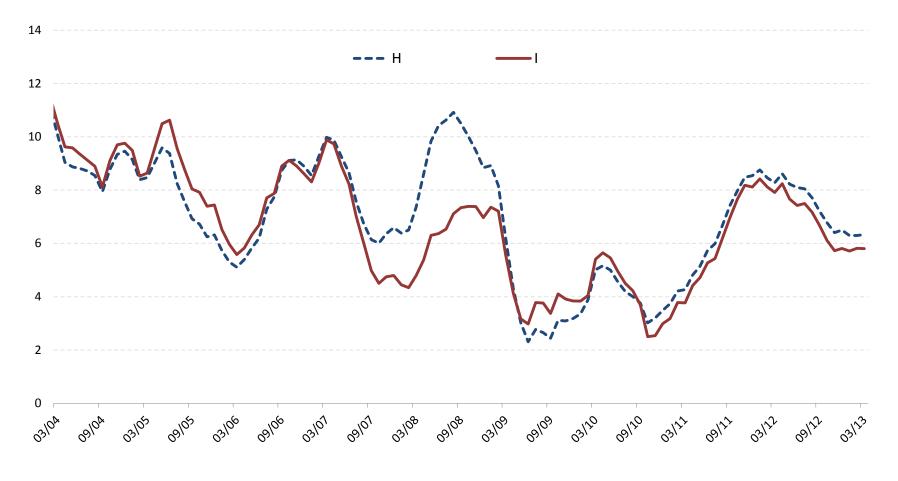


INFLATION



Core Inflation



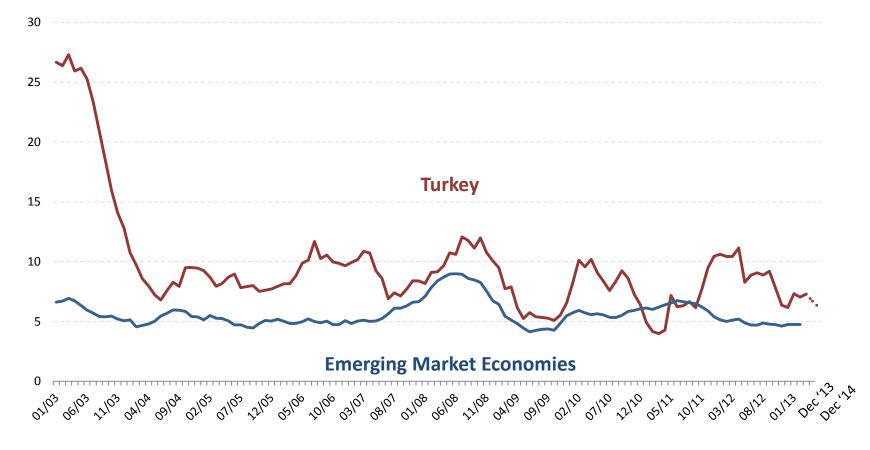


Source: TURKSTAT, CBRT.



Inflation

Inflation in Turkey vs. Emerging Market Economies (Percent, Weighted Average)

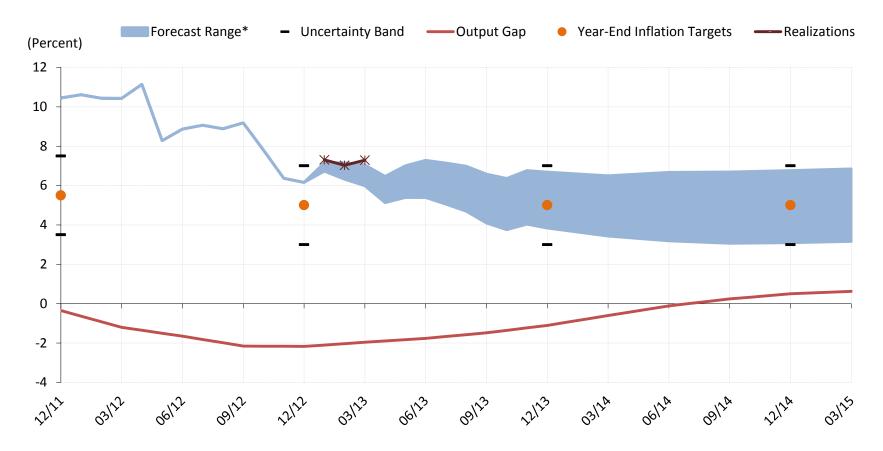


Emerging Market Economies: Brazil, Mexico, Czech Rep., Hungary, Poland, S. Africa, China, India, Russia, Turkey, Indonesia, Argentina, Thailand, Malaysia, Colombia, Romania, Ukraine, Vietnam, Chile, Peru, Egypt, Morocco, Lebanon, S. Arabia . *Forecasts for end-2013 and end-2014 are taken from "Consensus Forecasts".

Source: Bloomberg, CBRT.



Inflation Forecasts and Realizations



Source: CBRT.

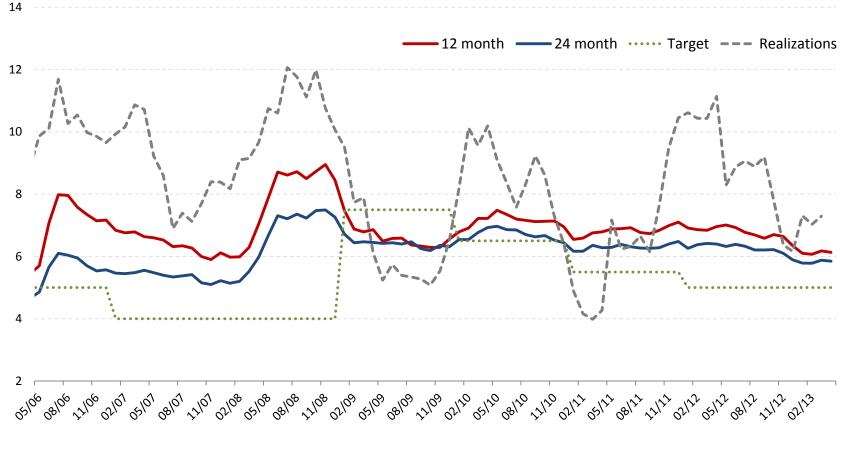


*Shaded region indicates the 70 percent confidence interval for the forecast.

Inflation Expectations



(Percent)



Source: CBRT.

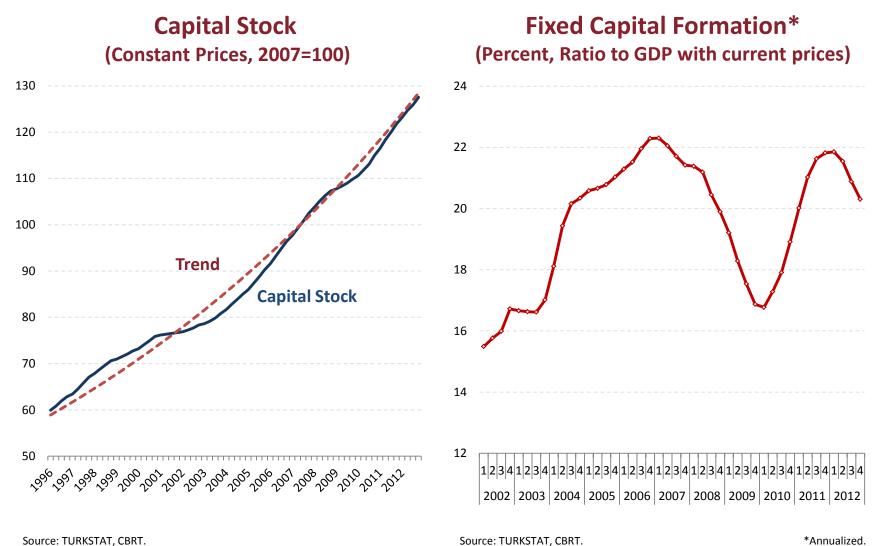
*CBRT Survey of Expectations.



GROWTH



Capital

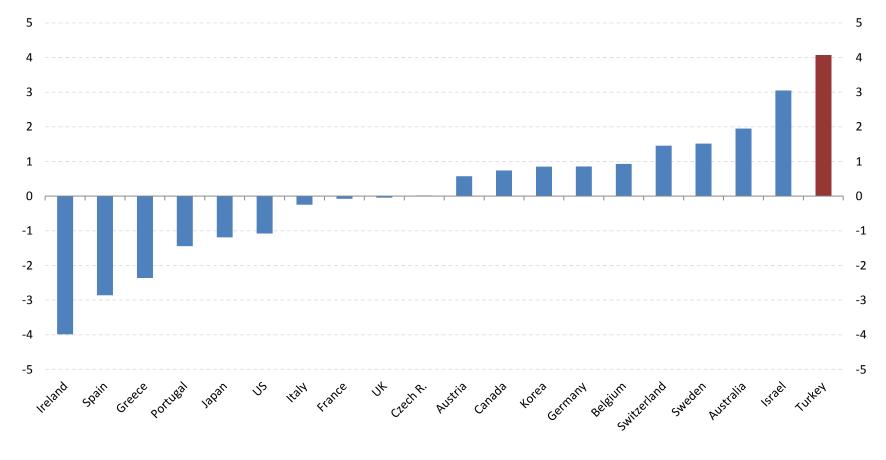


Source: TURKSTAT, CBRT.



Employment

Annual Average Growth of Employment* (Percent Growth, 2007-2011)



Source: IMF WEO, TURKSTAT.

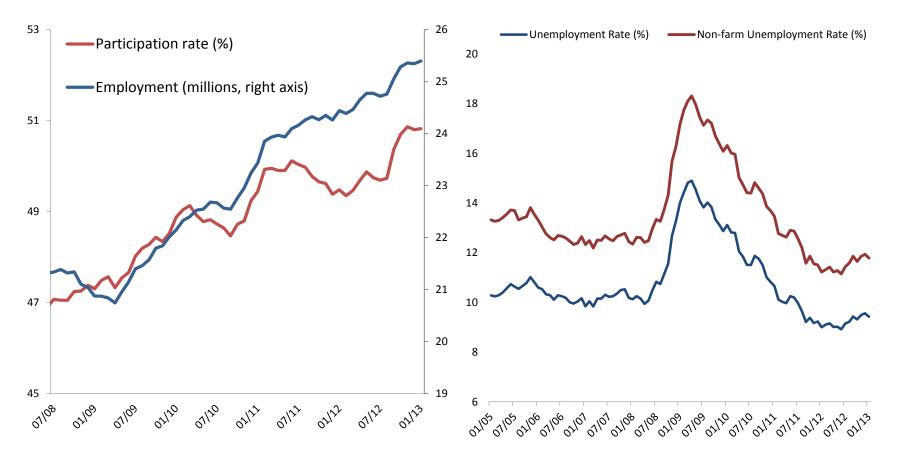
*Difference of natural logarithms



Employment

Employment and Participation (Millions, Percent)

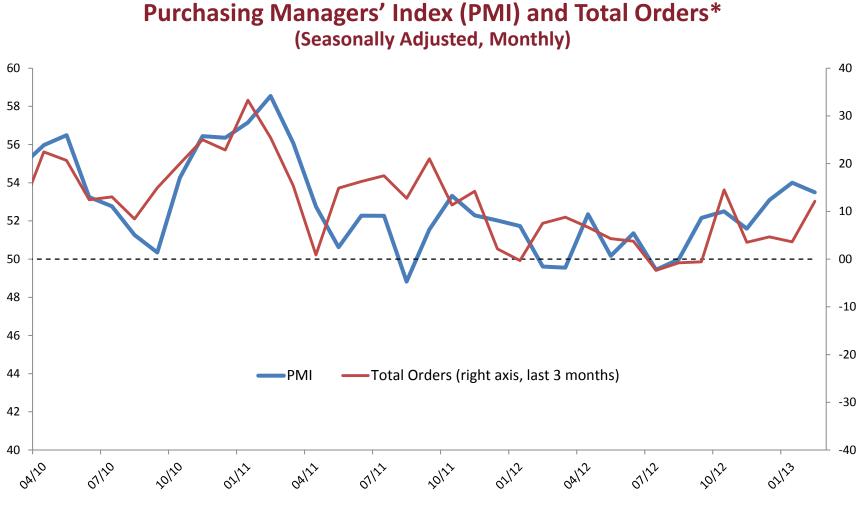
Unemployment Rate (Percent)



Source: TURKSTAT, Household Labor Force Survey, CBRT.



Leading Indicators



*Consumer Tendency Survey, Q.11: How have your total orders developed over the past 3 months?

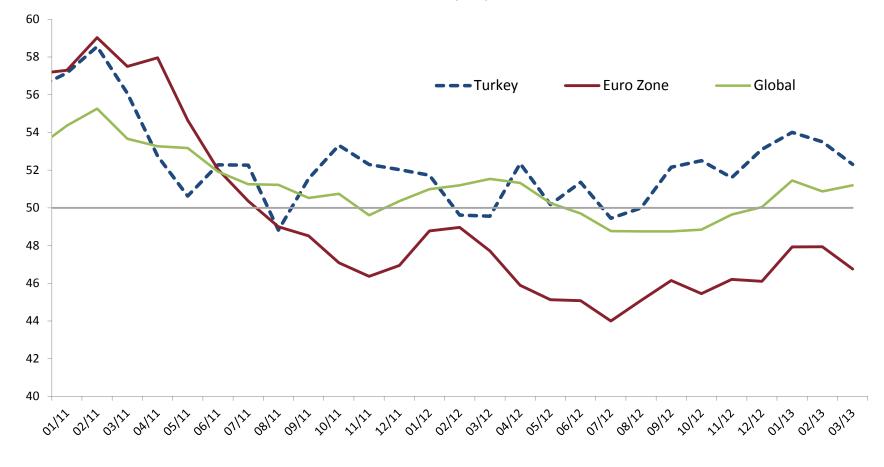
Source: TURKSTAT, MARKIT and CBRT.



PMI: Turkey, Eurozone, and Global

Manufacturing PMIs

(Seasonally Adjusted)



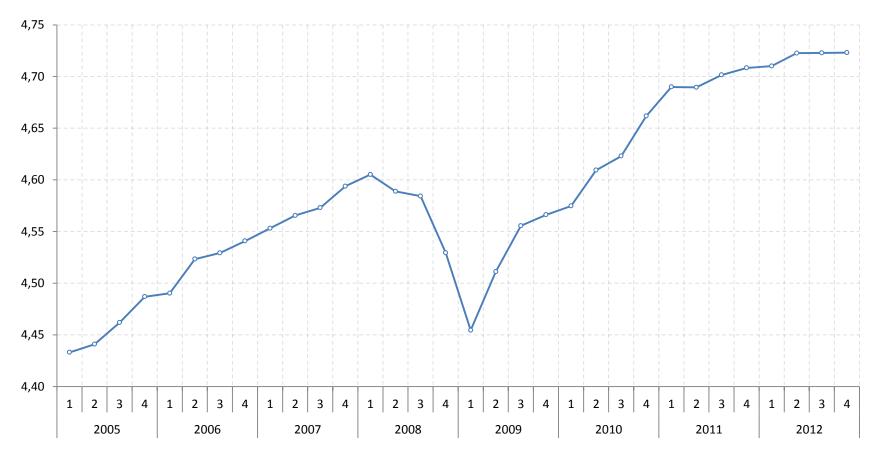
Source: MARKIT.



Gross Domestic Product

GDP

(Base Quarter: 2008Q1, Seasonally Adjusted, Natural Logarithms)



Source: TURKSTAT, CBRT.



Summary

- > Capital flow volatility may cause misalignments in credit and currency.
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