

Economic Outlook in Turkey

Erdem Başçı Governor

March 2013, London

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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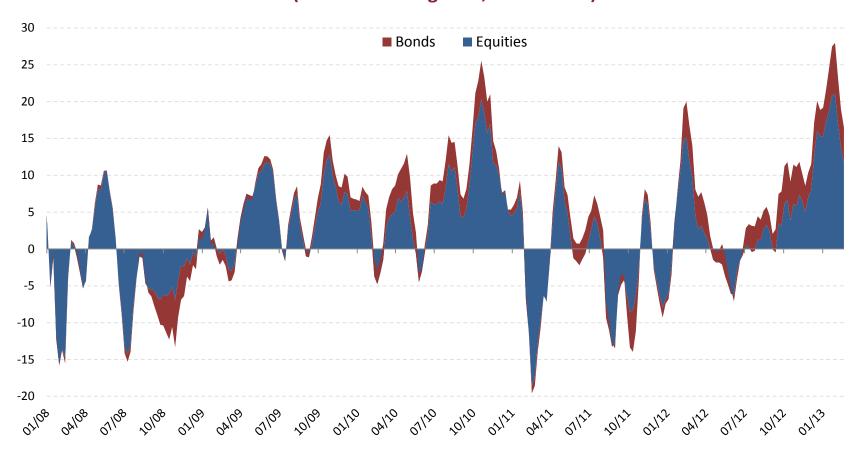


CAPITAL FLOW VOLATILITY



Capital Flows

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



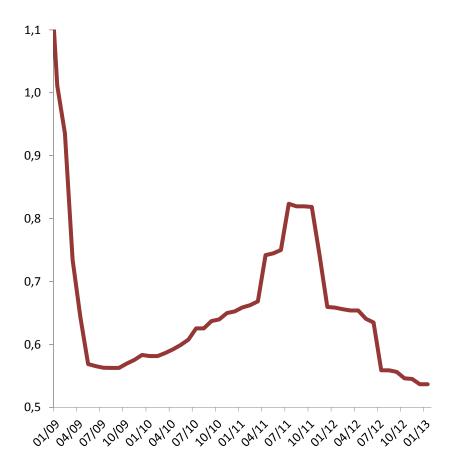
Source: Emerging Portfolio Fund Research (EPFR)

Last Observation: February 20, 2013

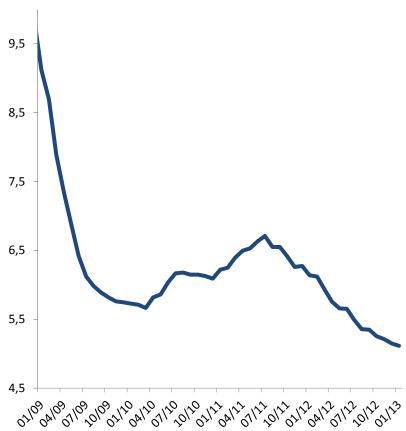


Global Policy Rates

Advanced Economies



Emerging Market Economies

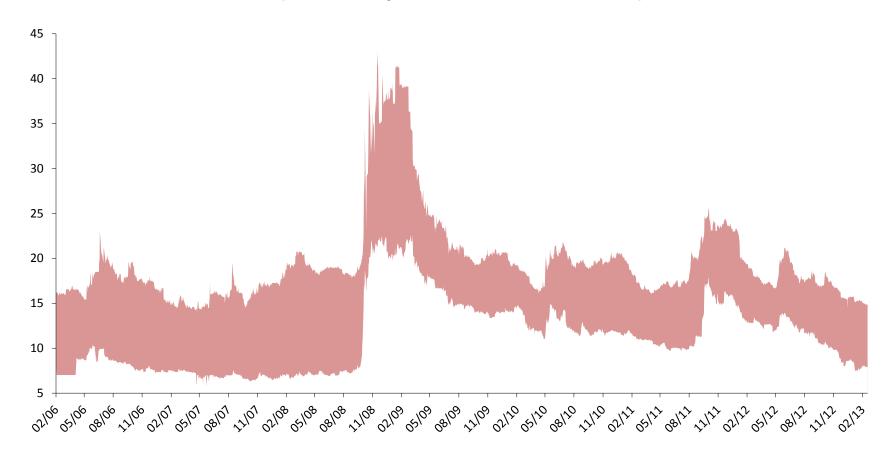


Source: Bloomberg. Last Observation: January 2013



FX Volatility

FX Volatility in Emerging Market Economies with CAD (Percent, Implied for the next 12 months)



Source: Bloomberg, CBRT.

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



Real Effective Exchange Rate (REER)

CPI Based REER

(Base year: 2003)



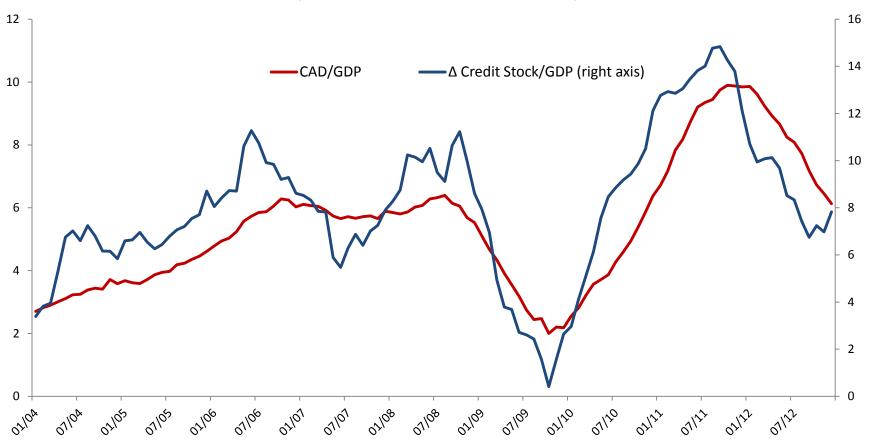
Source: CBRT.



Credit Growth

Credit Growth and Current Account Deficit

(Percent, 12-Month Cumulative)



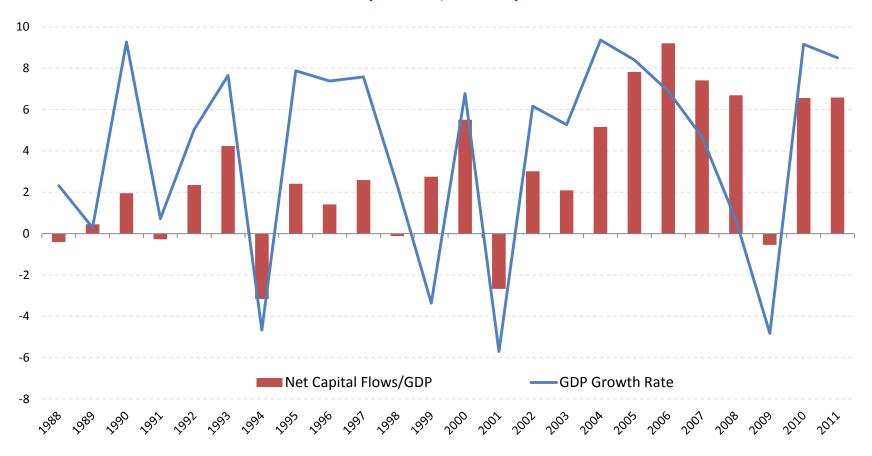
Source: CBRT. Last Observartion: December 2012



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

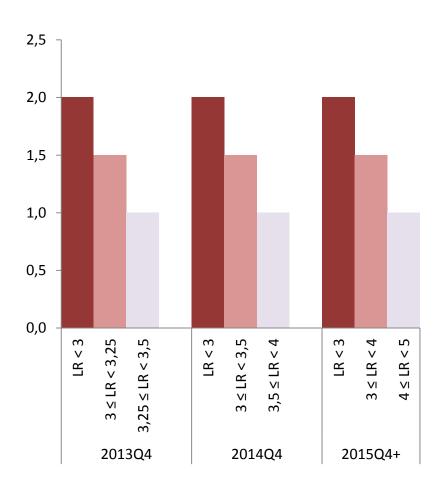


Maturity Based Reserve Requirements

	Core Liabilities			Non-Core Liabilities	
	M < 1 year	M <u>></u> 1 year		M < 1 year	M <u>></u> 1 year
TL	11.17%	5%	TL	11.5%	6.81%
				M < 3 years	M <u>></u> 3 years
FX	12.5%	9%	FX	12.27%	6%



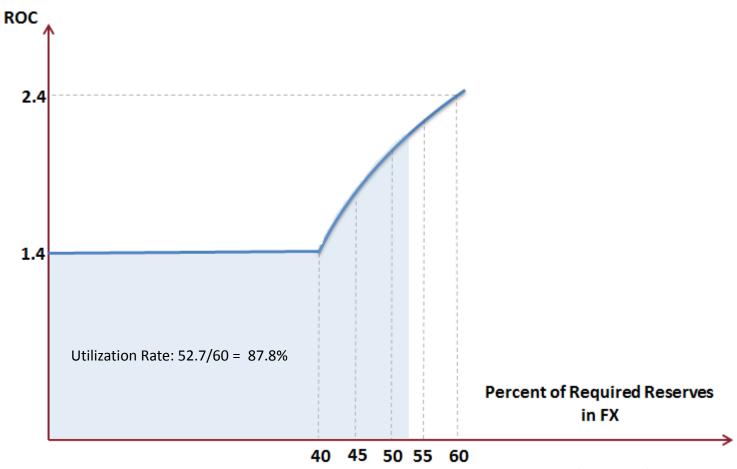
Leverage Based Reserve Requirements

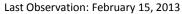




Reserve Options Mechanism - FX

Reserve Option Coefficients (ROC)

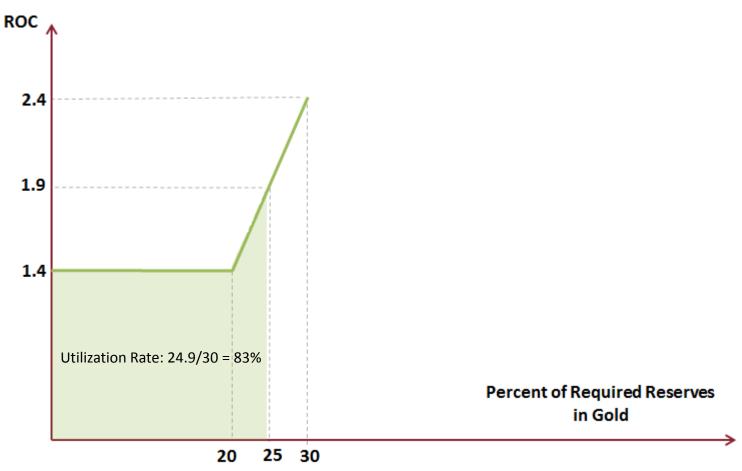






Reserve Options Mechanism - Gold

Reserve Option Coefficients (ROC)

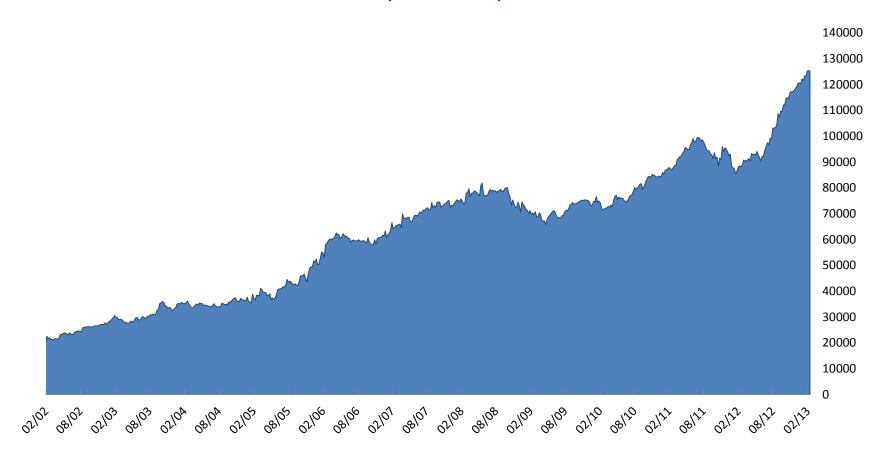


Last Observation: February 15, 2013



CBRT Reserves

FX and Gold Reserves (Million USD)

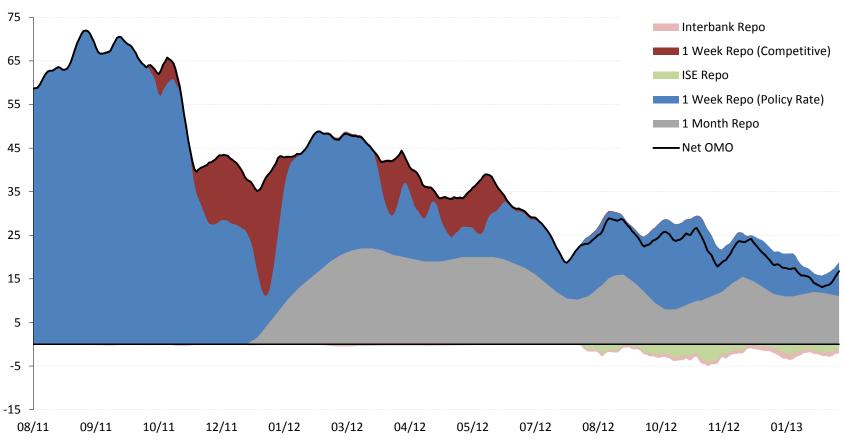


Source: CBRT Last Observation: February 15, 2013



Liquidity Management



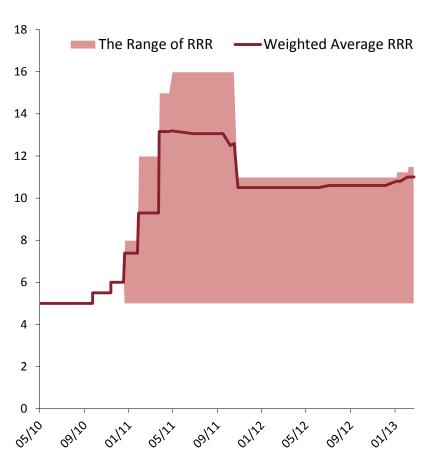


Source: CBRT

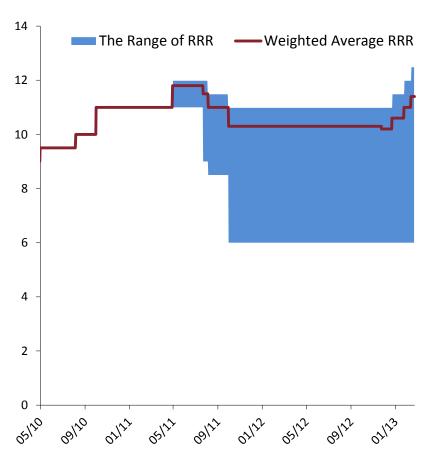


Liquidity Management

TL Reserve Requirements



FX Reserve Requirements



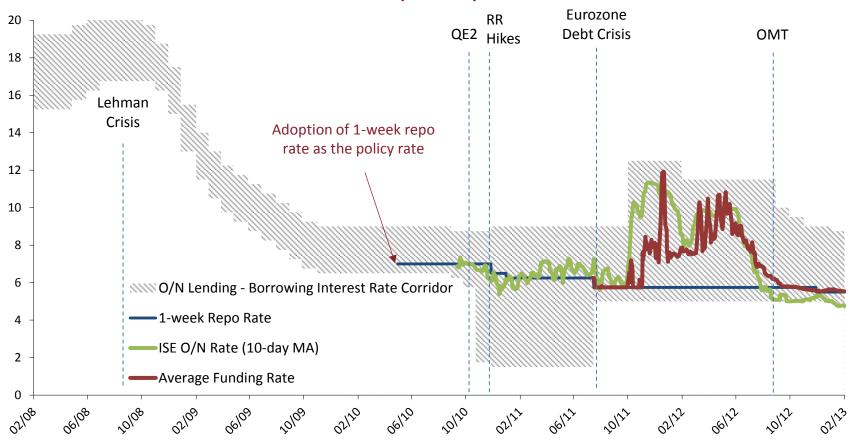
Source: CBRT. Last Observation: February 2013

Source: CBRT. Last Observation: February 2013



Liquidity Management

Interest Rate Corridor and Average Funding Rate (Percent)



Source: ISE, CBRT. Last Observation: February 20, 2013



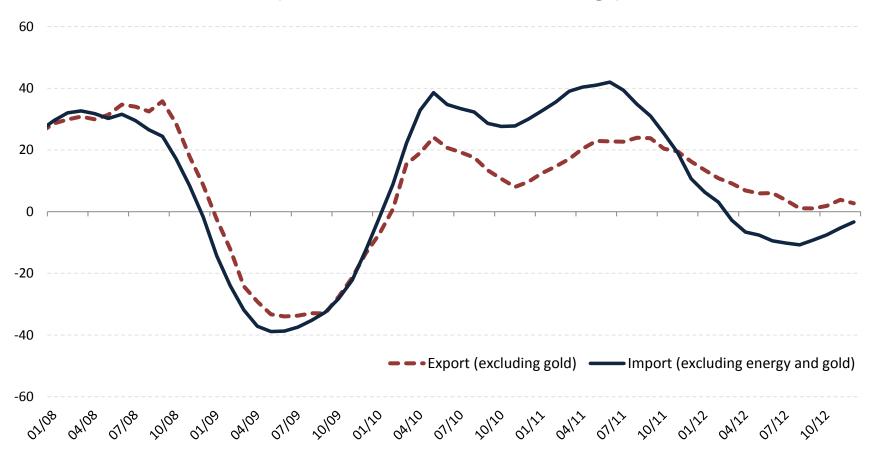
REBALANCING



Rebalancing

Exports and Imports

(Nominal, 6-Month MA, YoY % Change)



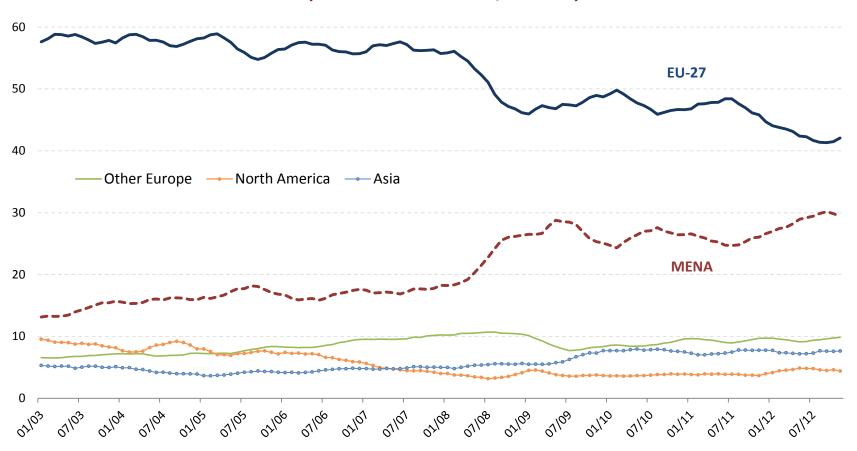
Source: TURKSTAT. Last Observation: December 2012



Market Diversification

Exports Market Share*

(6-Month Cumulative, Percent)



Source: TurkStat

Last Observation: November 2012 *Excluding gold.



Credit Growth

Total Loan* Growth

(Year on Year Change, Percent)



Source: CBRT.

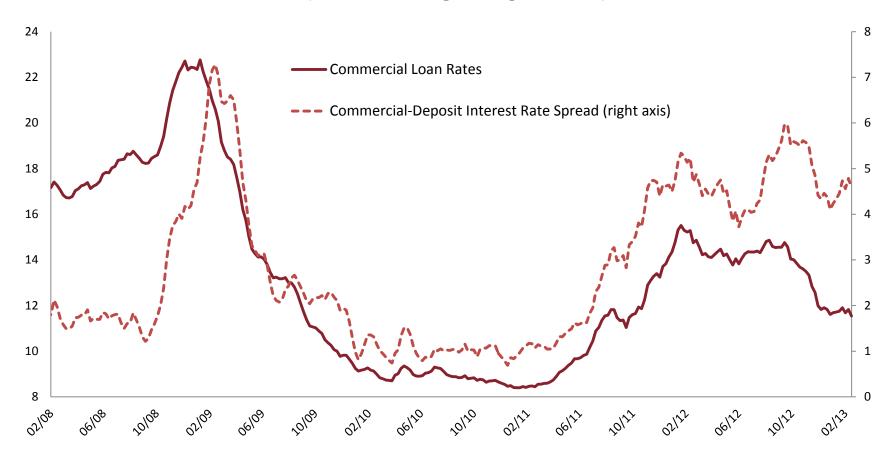
*Total banking sector, credit cards included, NPLs excluded. Last Observation: February 15, 2013.



Credit-Deposit Rate Spread

Commercial Loan Rates and Deposit Rate Difference

(4-Week Moving Average, Percent)

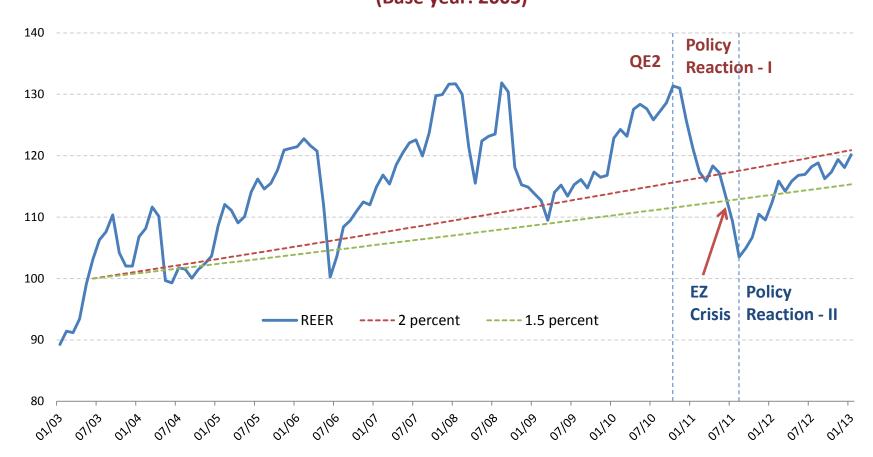


Source: BRSA, CBRT.



Real Effective Exchange Rate (REER)

CPI Based REER (Base year: 2003)



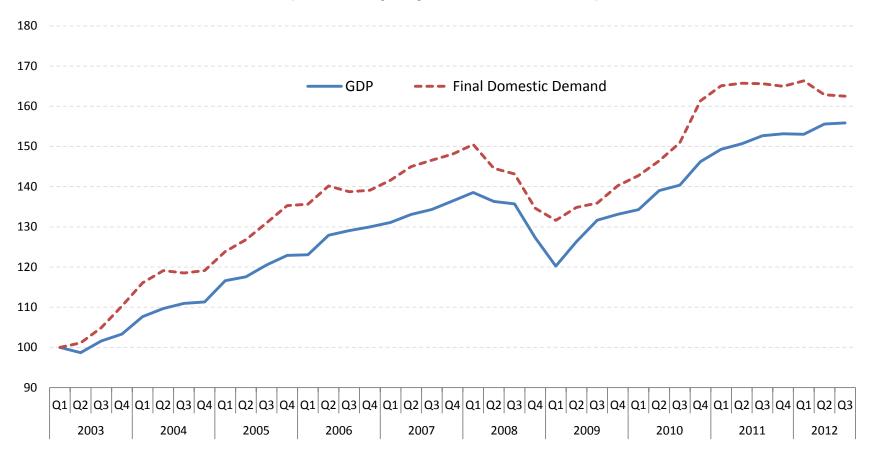
Source: CBRT.



Rebalancing

Final Domestic Demand and GDP

(Seasonally Adjusted, 2003Q1=100)

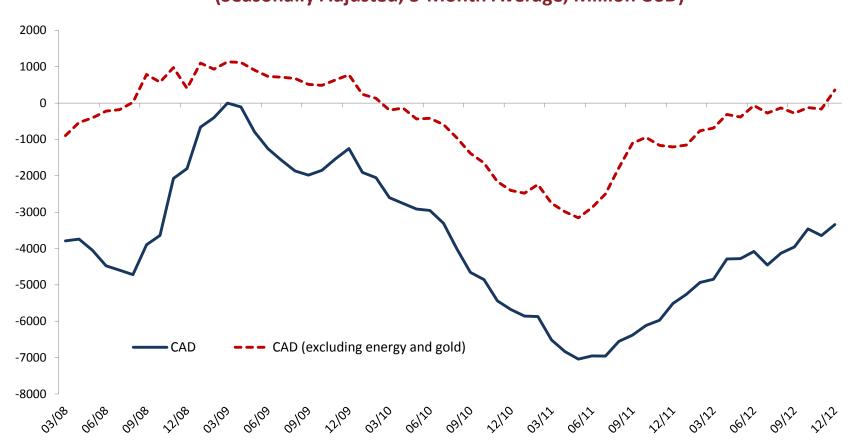


Source: TurkStat, CBRT.



Rebalancing

Current Account Balance (Seasonally Adjusted, 3-Month Average, Million USD)

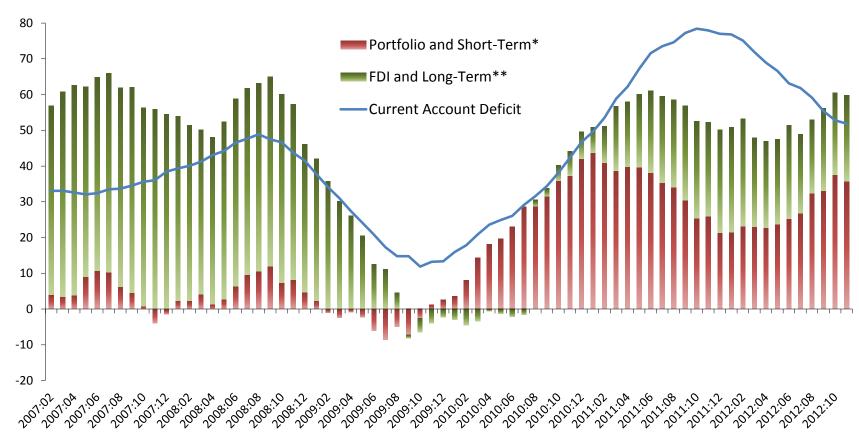


Source: CBRT. Last Observation: December 2012



Quality of Capital Inflows

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



Source: CBRT.

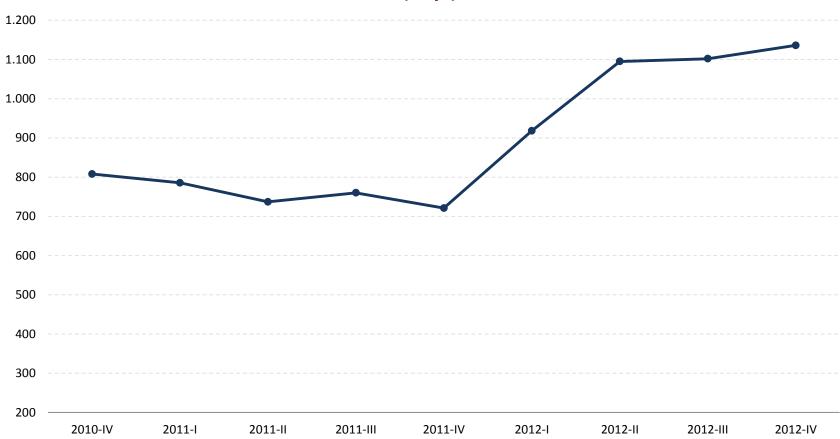
^{**}Long-term capital movements are sum of banking and real sectors' long term net credit and bonds issued by banks and the Treasury.



^{*}Short-term capital movements are sum of banking and real sectors' short term net credit and deposits in banks.

Maturity of Non-Residents' Bond Holdings



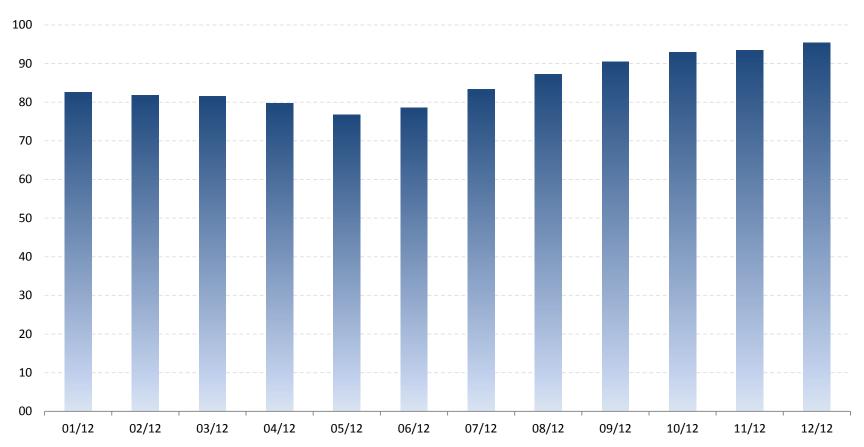


Source: CBRT.



Greenspan-Guidotti Ratio

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



Source: CBRT

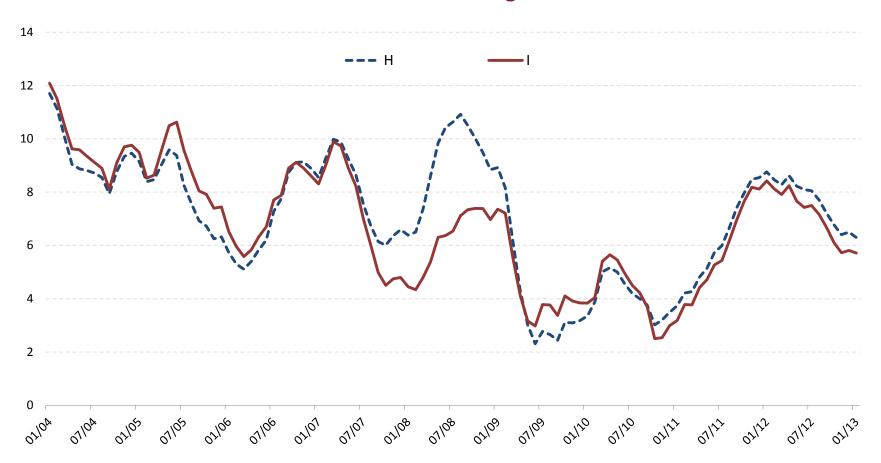


INFLATION



Core Inflation

Annual Change

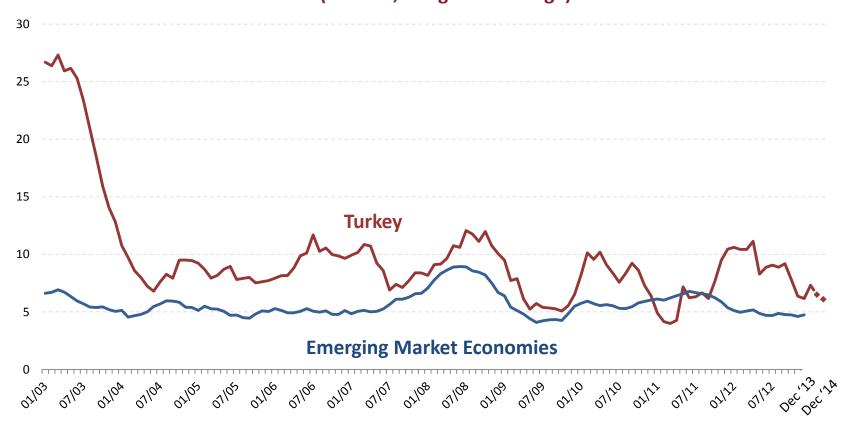


Source: TURKSTAT, CBRT. Last Observation: January 2013



Inflation

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

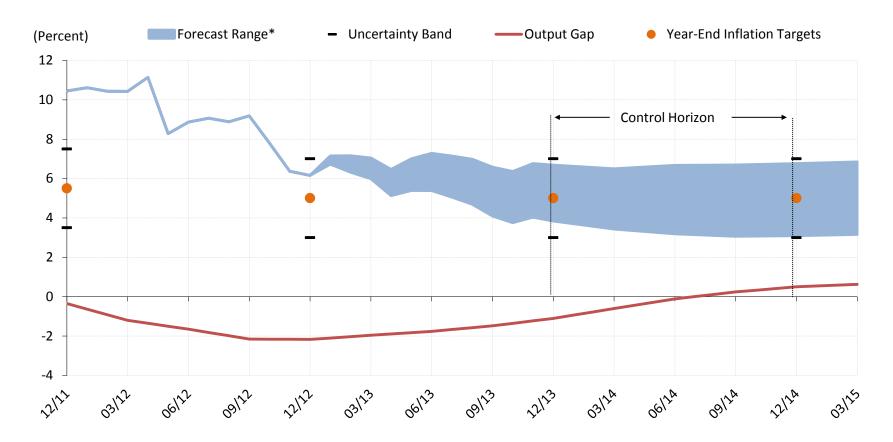


Source: Bloomberg, CBRT.

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" .



Inflation Forecast



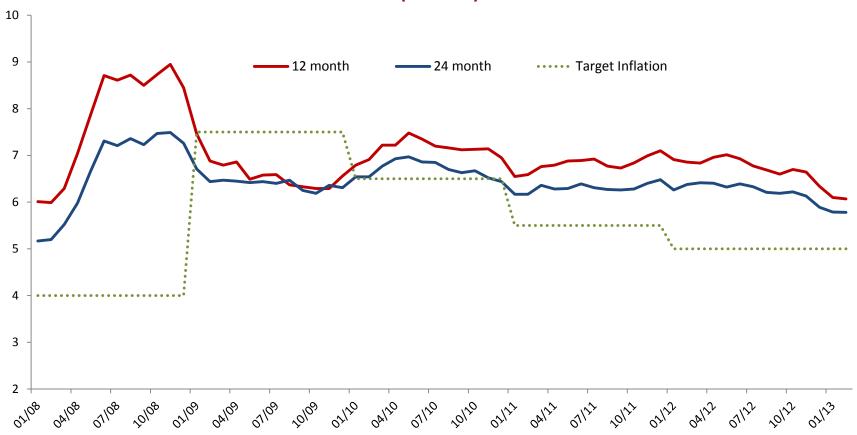
Source: CBRT.

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



Inflation Expectations

Medium Term Inflation Expectations* (Percent)



Source: CBRT.

Last Observation: February 2013 *CBRT Survey of Expectations.

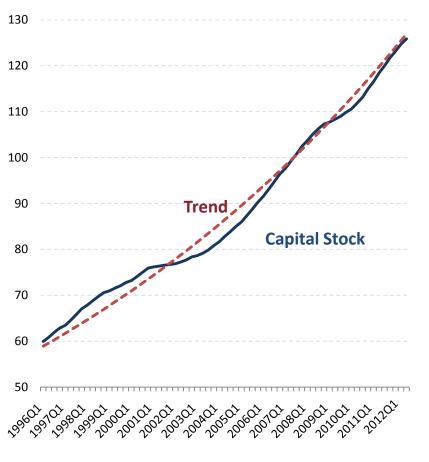


GROWTH



Capital





Source: TURKSTAT, CBRT. Last Observation: 2012 Q3

Fixed Capital Formation* (Percent, Ratio to GDP, Current Prices)



Source: TURKSTAT, CBRT.

*Annualized

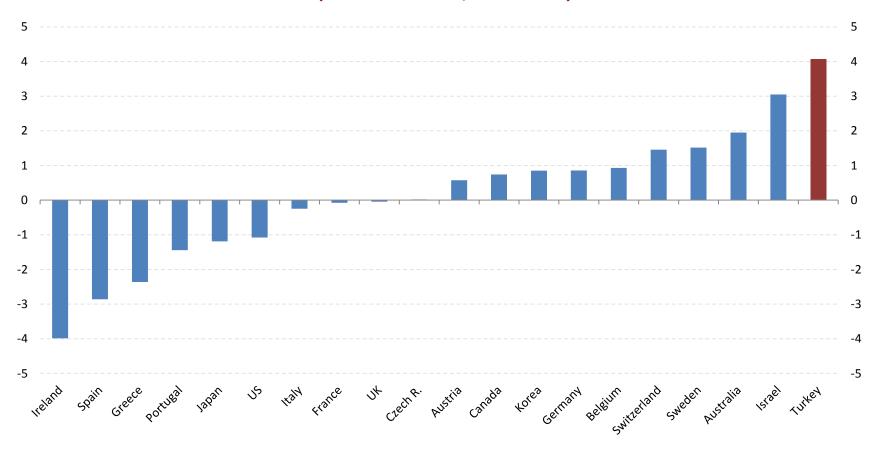
Last Observation: 2012 Q3



Employment

Annual Average Growth of Employment*

(Percent Growth, 2007-2011)



Source: IMF WEO, TURKSTAT.

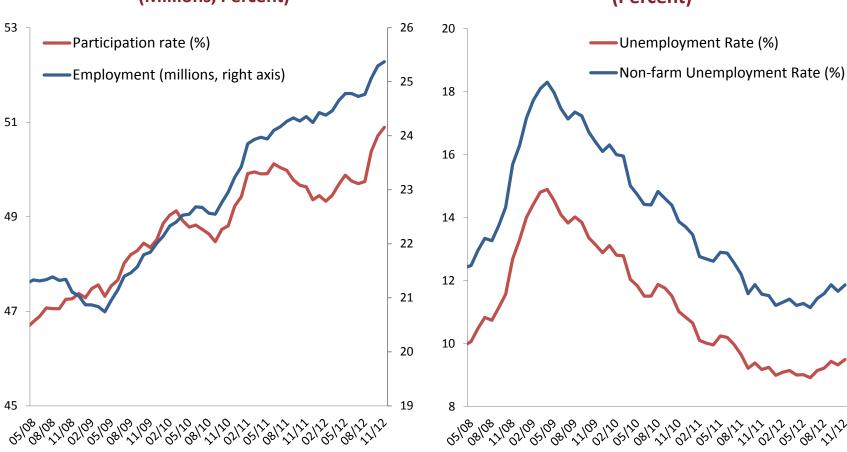
 $\hbox{*Difference of natural logarithms} \\$



Employment

Employment and Participation (Millions, Percent)

Unemployment Rate (Percent)



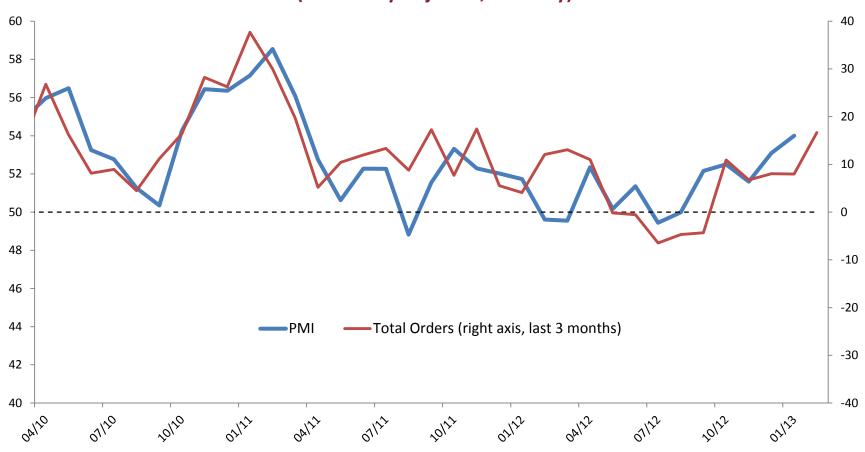
Source: TURKSTAT, Household Labor Force Survey, CBRT.

Last Observation: November 2012



Leading Indicators

Purchasing Managers' Index (PMI) and Total Orders* (Seasonally Adjusted, Monthly)



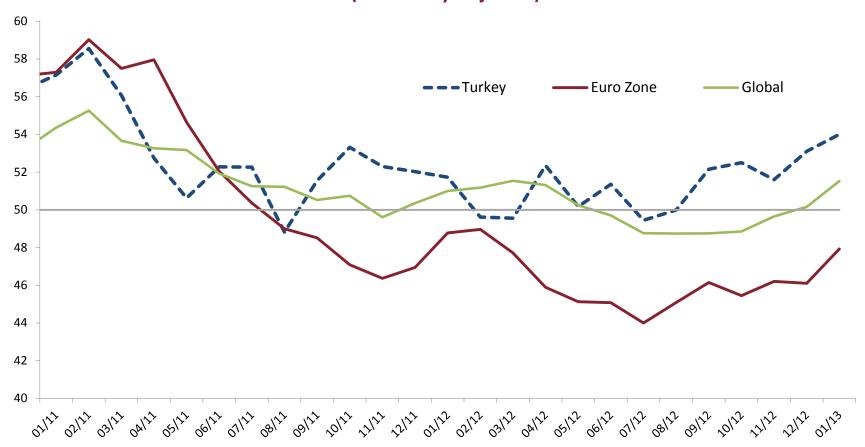
Source: TURKSTAT, MARKIT and CBRT.

Last Observation: January 2013 for PMI, February 2013 for Total Orders *Consumer Tendency Survey, Q.11: How have your total orders developed over the past 3 months?



PMI: Turkey, Eurozone, and Global

Manufacturing PMIs (Seasonally Adjusted)



Source: MARKIT. Last Observation: January 2013.



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.
- 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.
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