Fiscal Affairs Department

Challenges of Budgetary and Financial Crisis in Europe



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Fiscal Monitor, September 2011

World Economic and Financial Surveys

Fiscal Monitor

Addressing Fiscal Challenges to Reduce Economic Risks

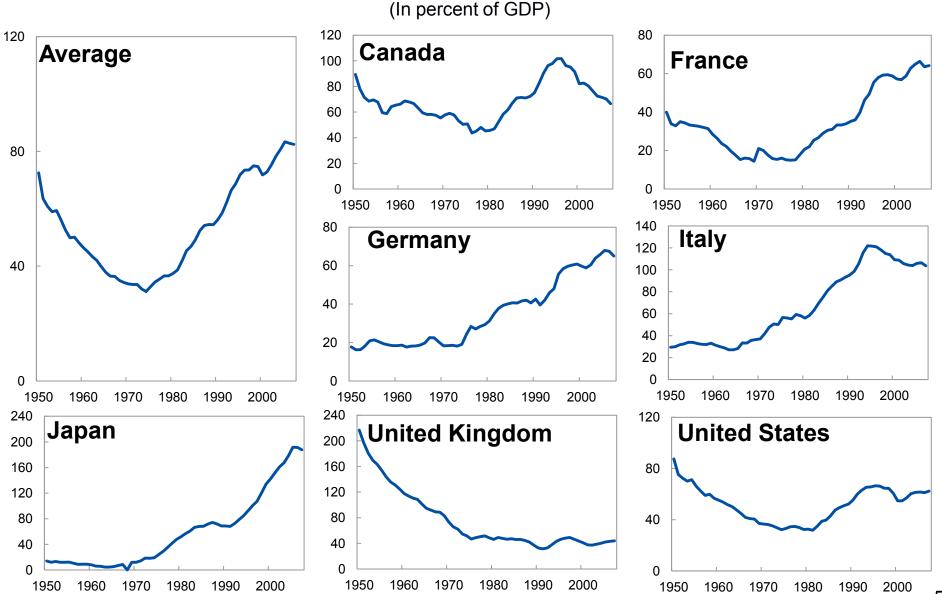




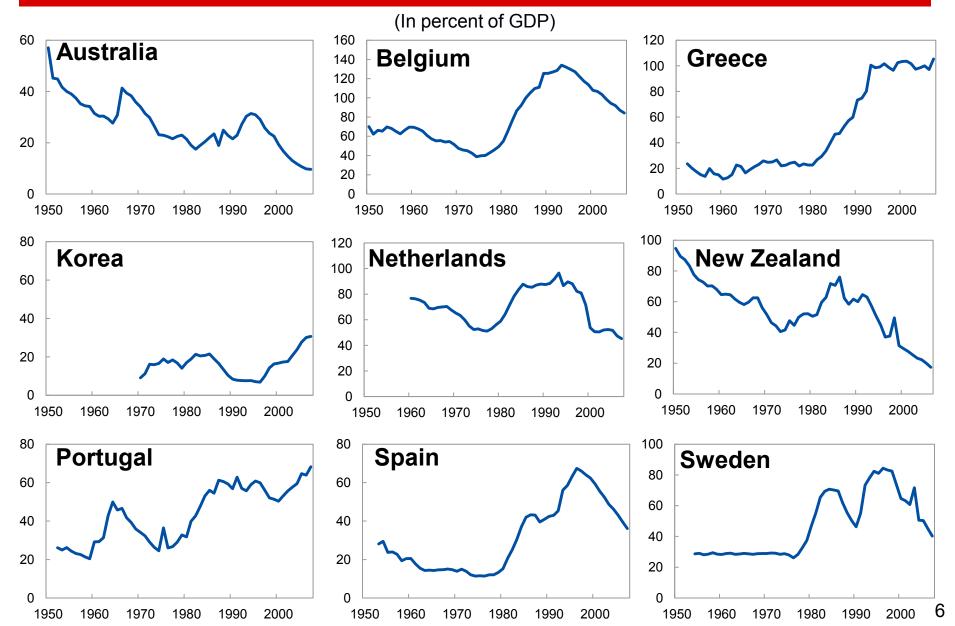
- The state of the public finances before the 2008 crisis
- 2. The effect of the crisis on the fiscal accounts
- 3. The risks arising from the current situation
- 4. Policy conclusions

1. The state of the public finances before the 2008 crisis

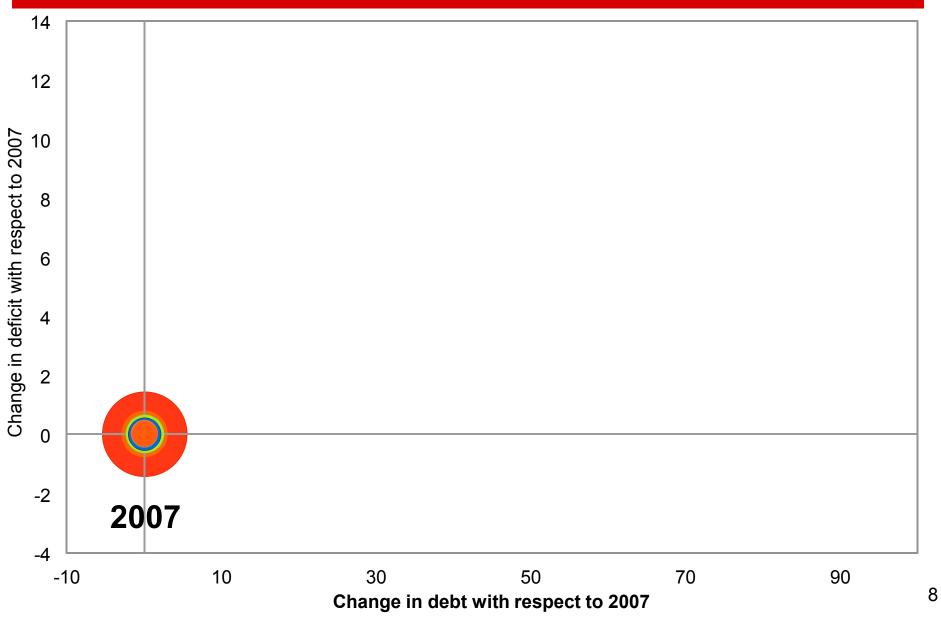
General Government Gross Debt in G-7 Economies, 1950-2007

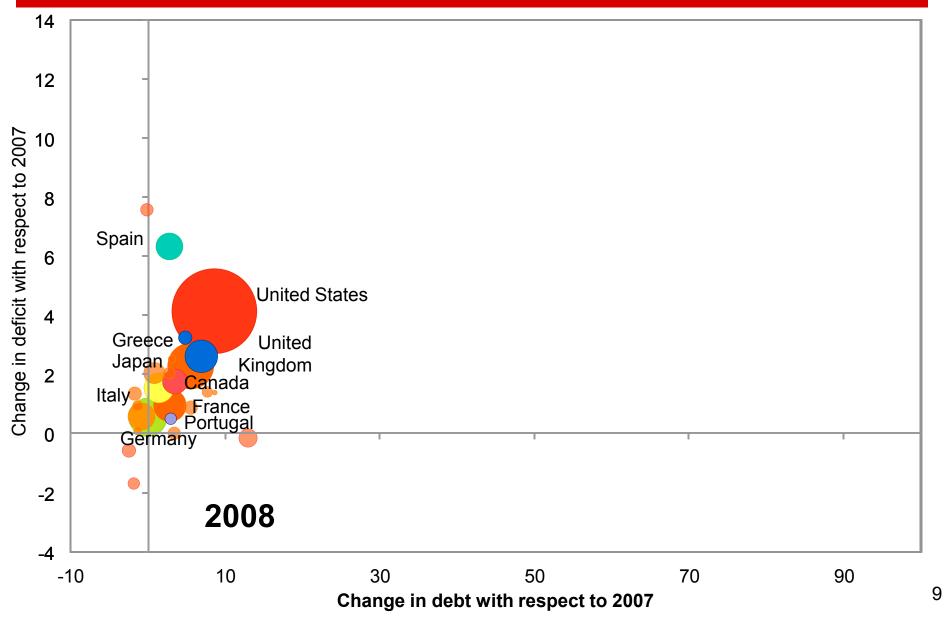


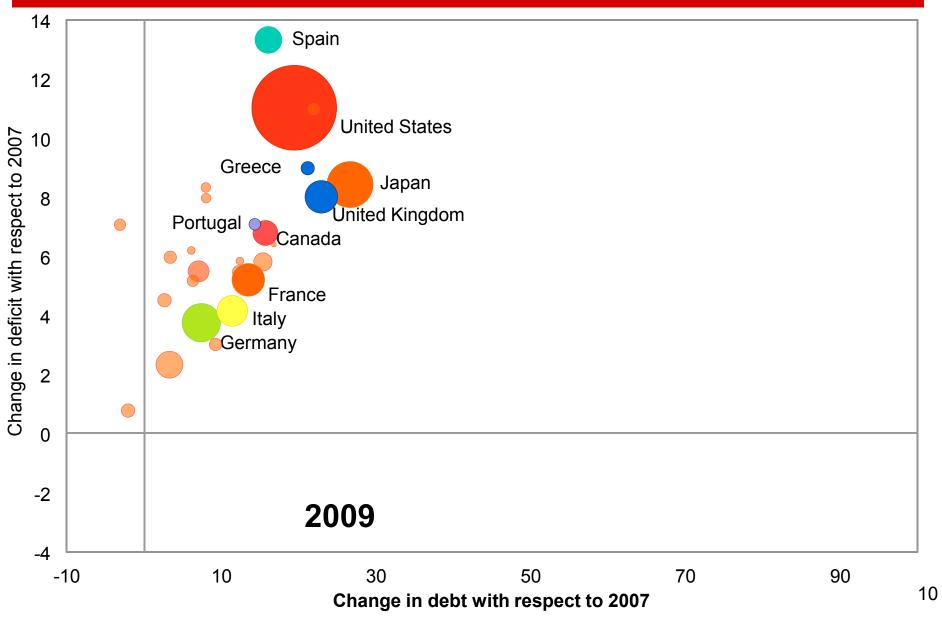
General Government Gross Debt in Selected Advanced Economies, 1950-2007

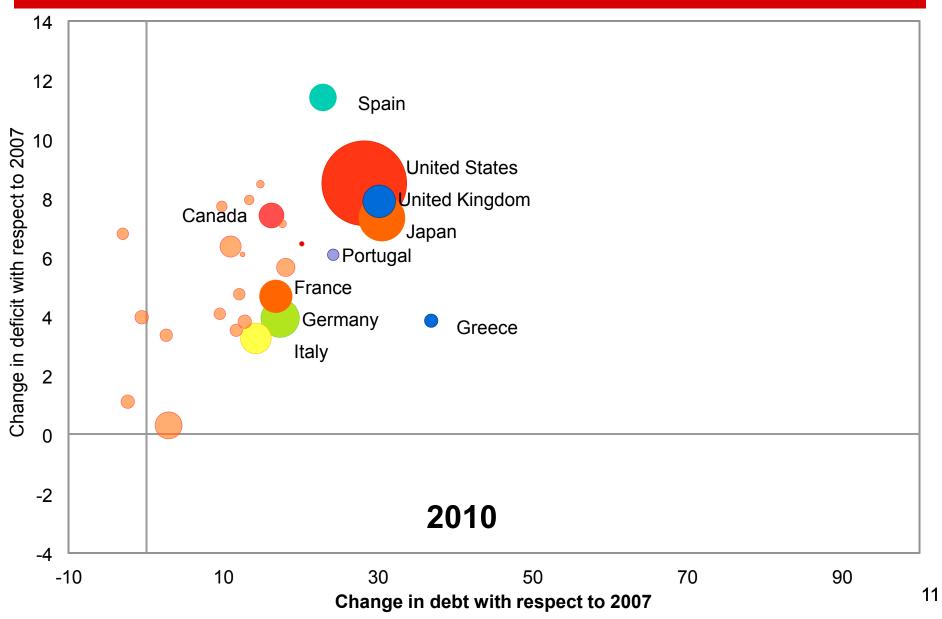


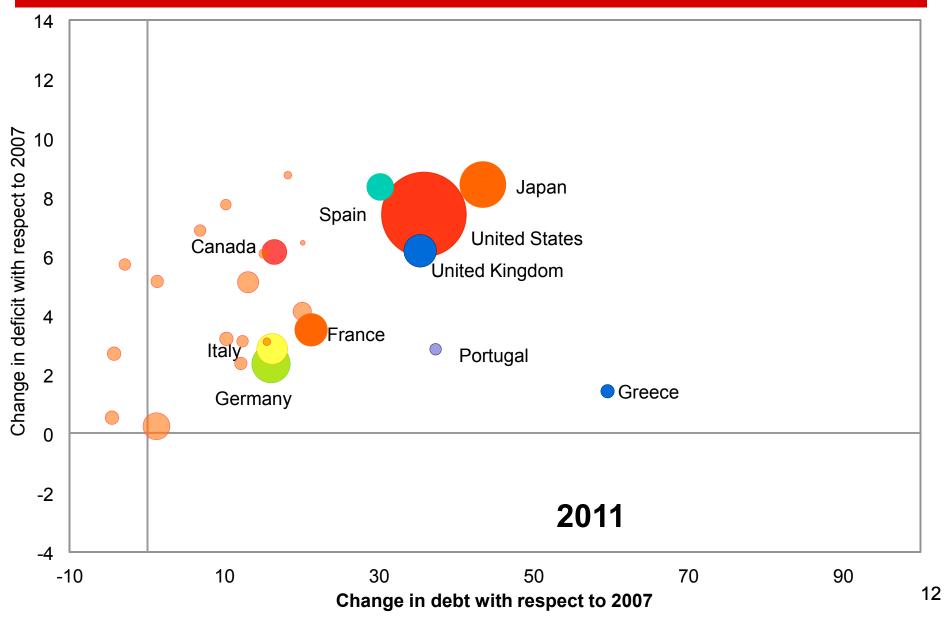
2. The effect of the crisis on the fiscal accounts

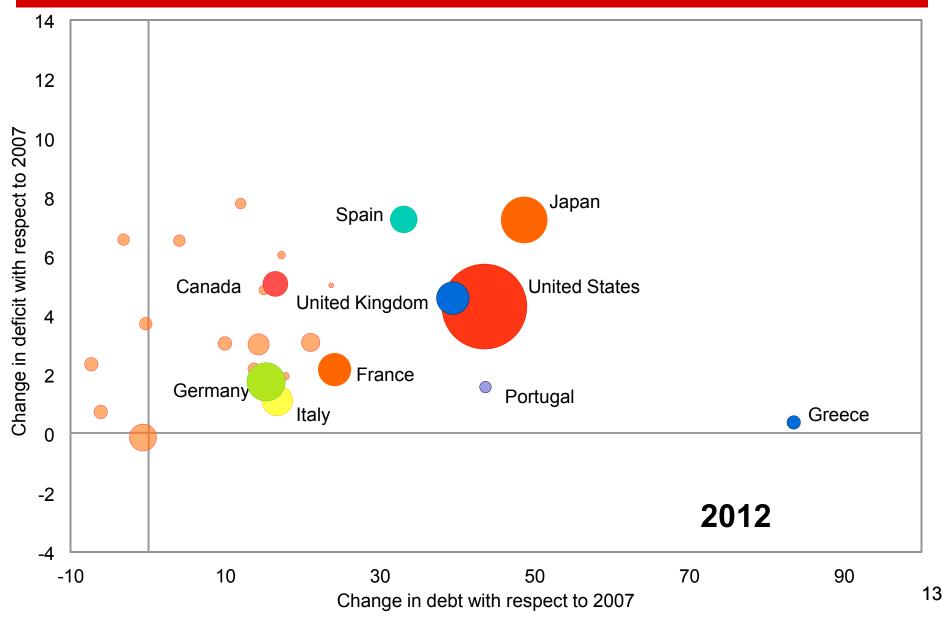






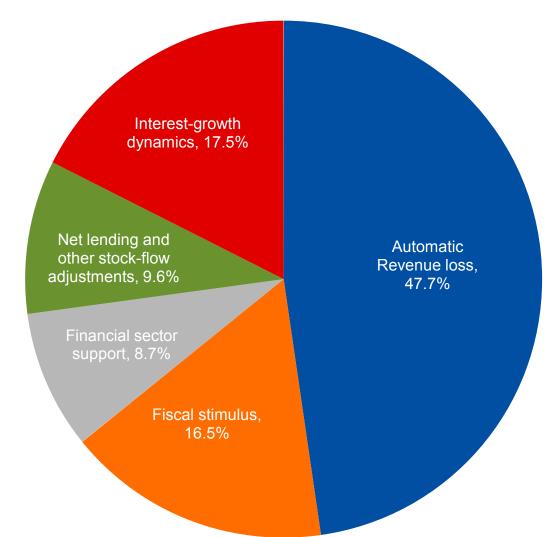




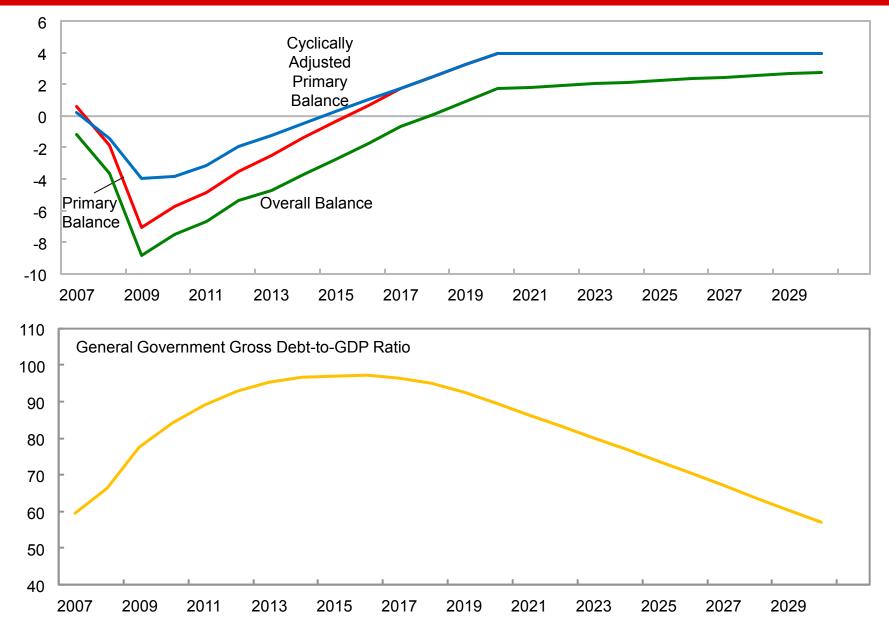


G-20 Advanced Economies: Increase in General Government Debt, 2008–15

(Total increase: 38.6 percentage points of GDP)

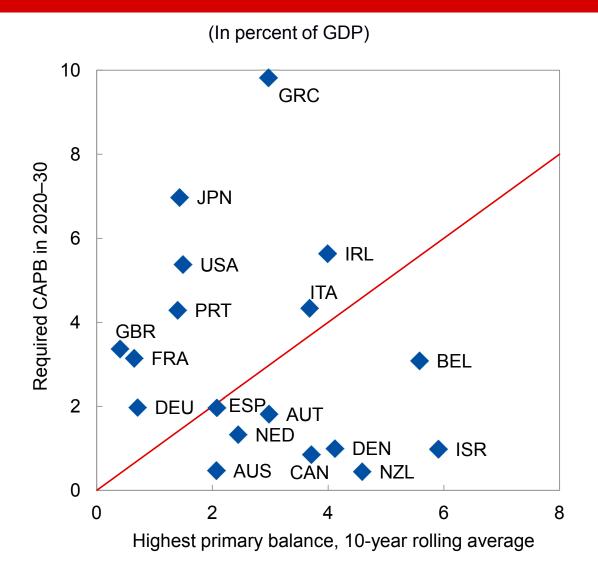


Illustrative Scenarios for Primary Balance Adjustment and Debt, 2010-30



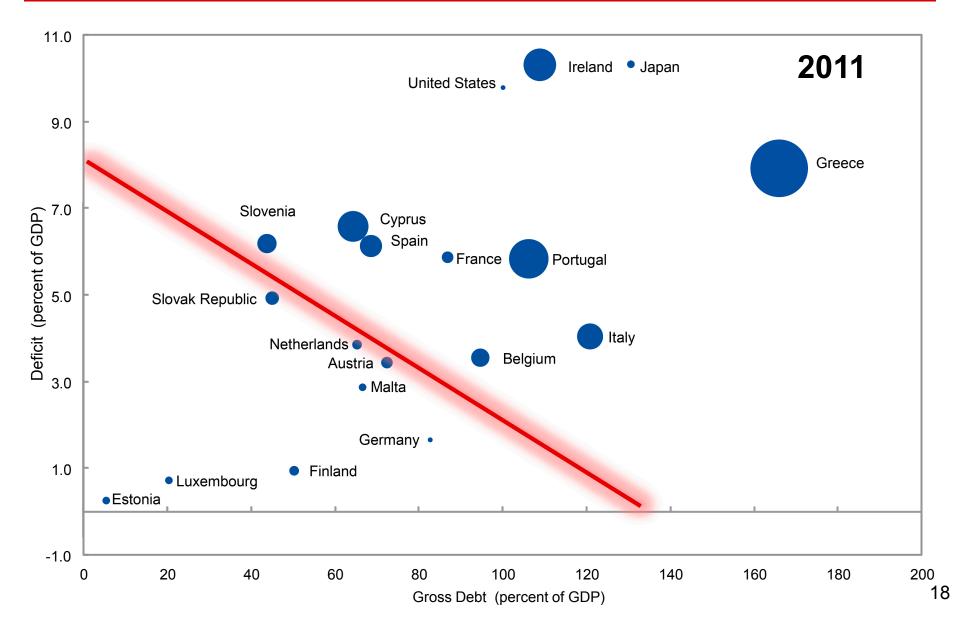
15

Cyclically Adjusted Primary Balance that Needs to Be Maintained in 2020–30 to Achieve Debt Target by 2030



3. The risks arising from the current situation

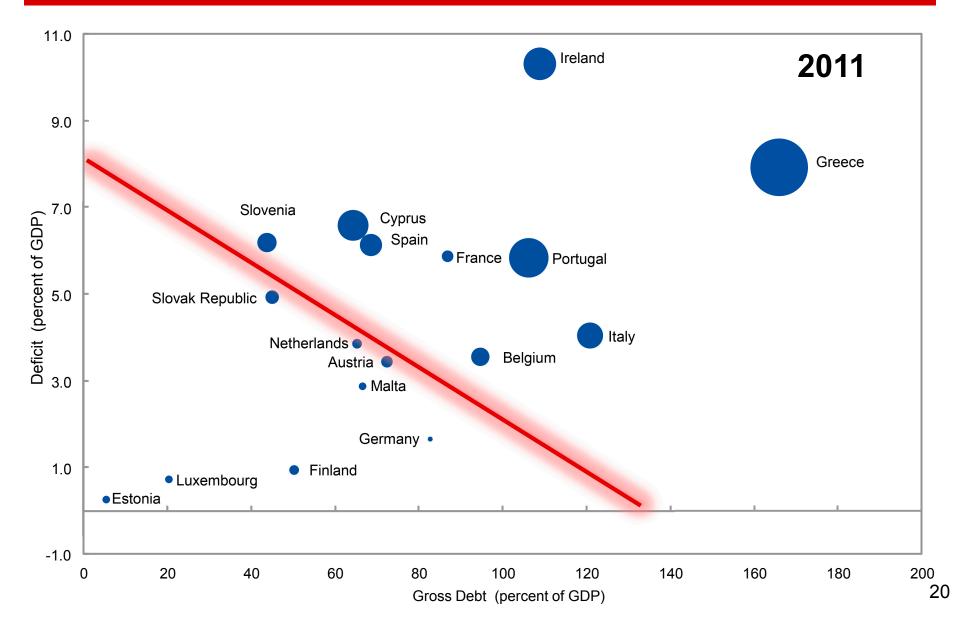
General Government Deficit vs. Debt in Euro Area Countries, 2011



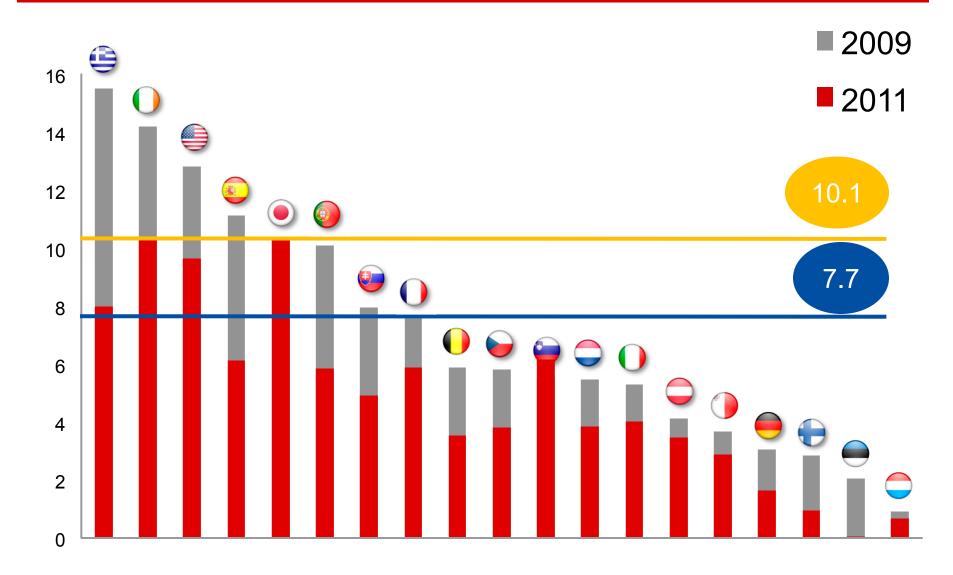
Why Euro Area Countries Are Different from US and Japan?

1. Past and future fiscal trends

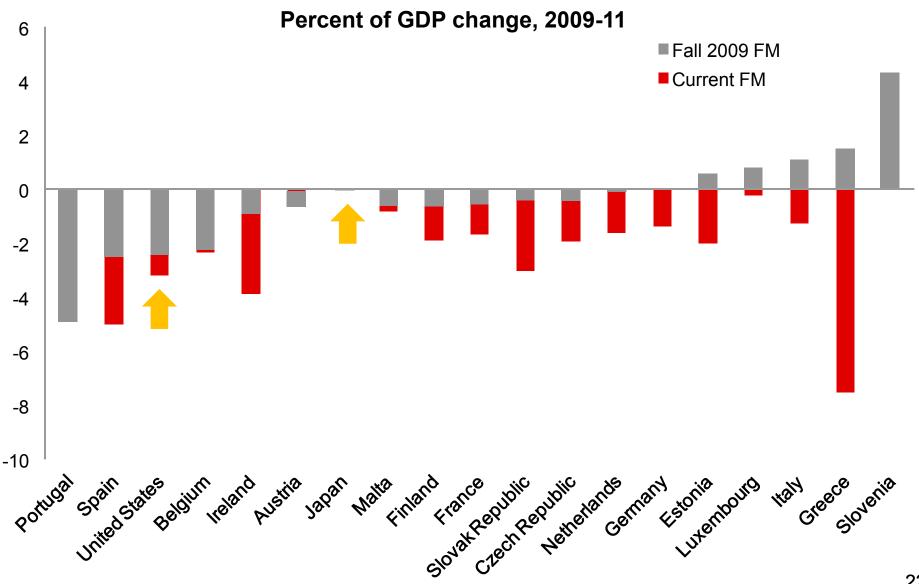
General Government Deficit vs. Debt in Euro Area Countries, 2011



General Government Deficit, in percent of GDP

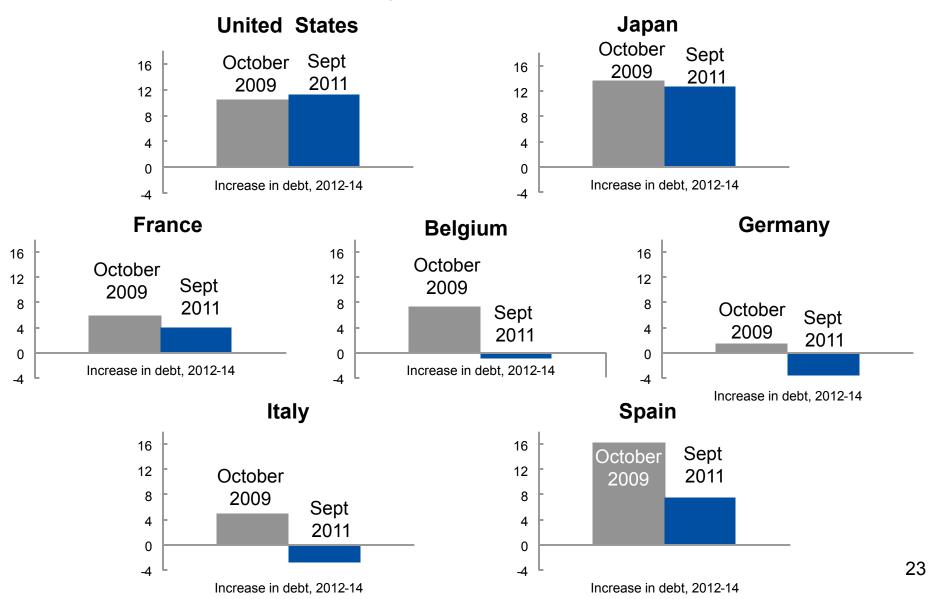


Change in the Deficit in the Euro Area, US and Japan



Fiscal Outlook: Increase in General Government Debt during 2012-14

(Change in percent of GDP)

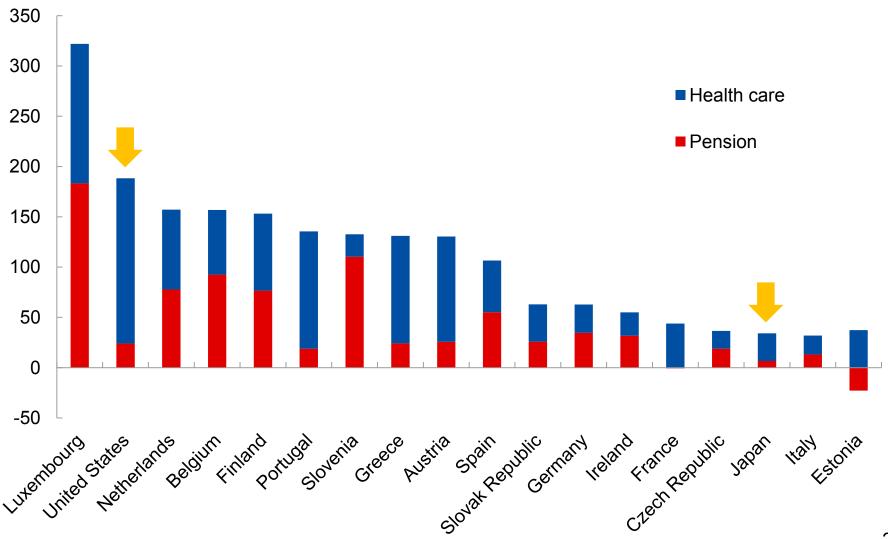


Why Euro Area Countries Are Different from US and Japan?

- 1. Past and future fiscal trends
- 2. Long-term pressures on spending for health care and pensions

NPV of Pension and Health care Spending Change 2010-50

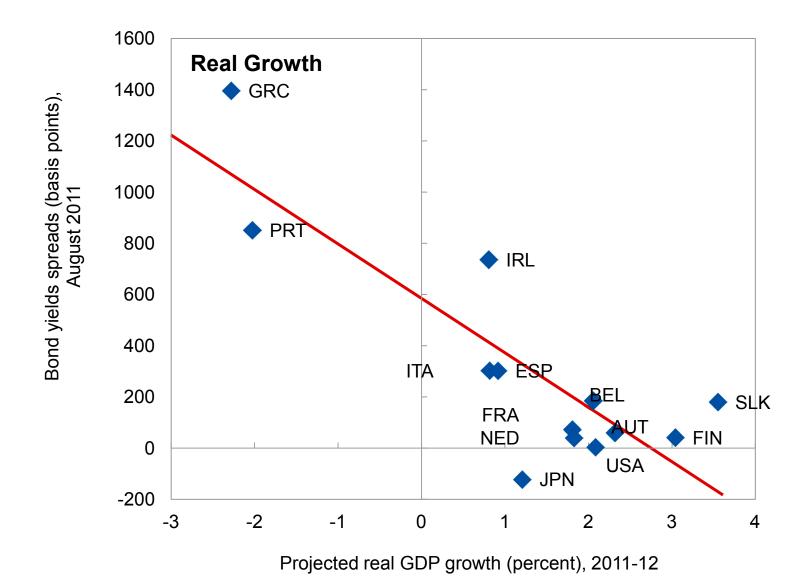
(Change in percent of GDP)



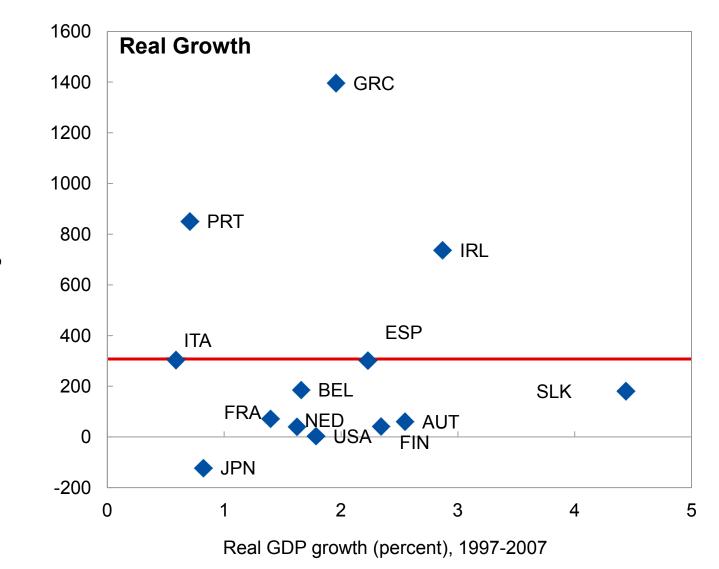
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- 3. Banks
- 4. Growth

Sovereign Bond Yield Spreads and Projected Real GDP Growth



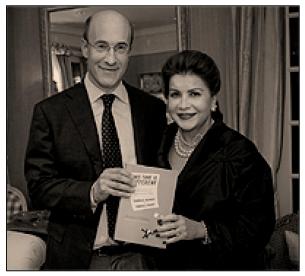
Sovereign Bond Yield Spreads and Real GDP Growth



Bond yields spreads (basis points), August 2011

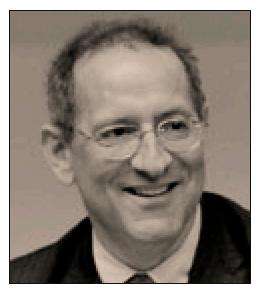
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High Public Debt is Bad for Growth









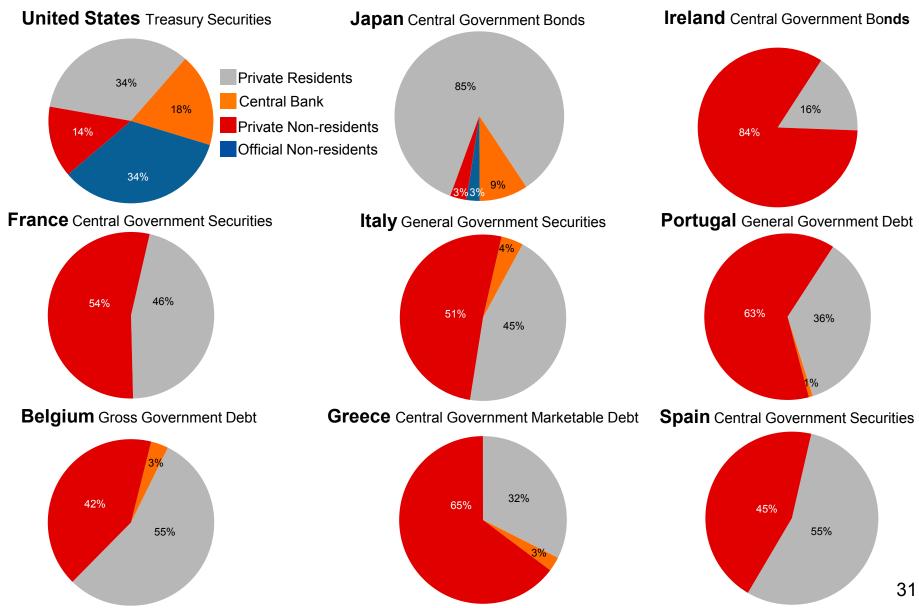
Rogoff and Reinhart: "This Time is Different: Eight Centuries of Financial Folly" (2009) Kumar and Woo: "Public Debt and Growth" (2010)

Steven Cecchetti: "The Real Effects of Debt" (2011)

Why Euro Area Countries Are Different from US and Japan?

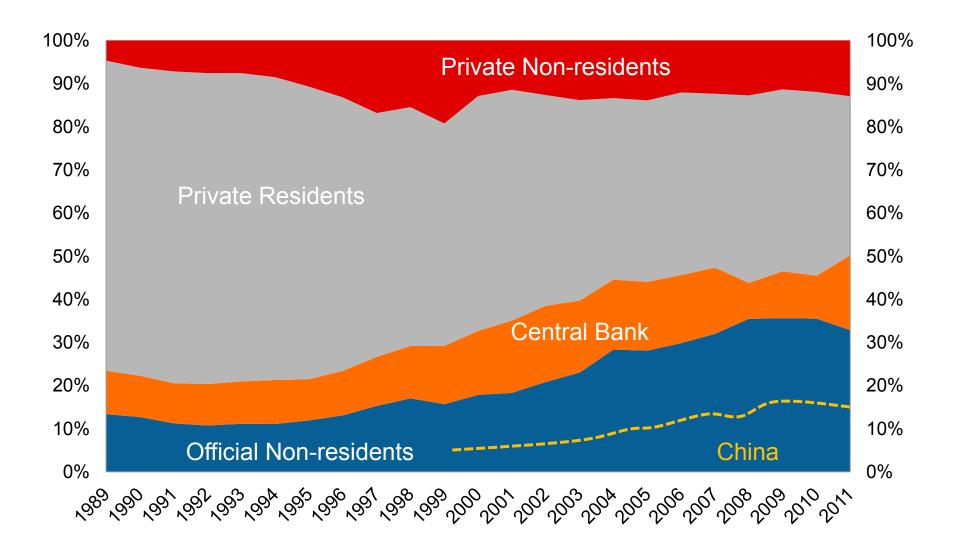
- 1. Past and future fiscal trends
- 2. Long-term pressures on spending for health care and pensions
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- 4. Growth
- 5. Sources of financing

Sources of Financing: Holders of Public Debt

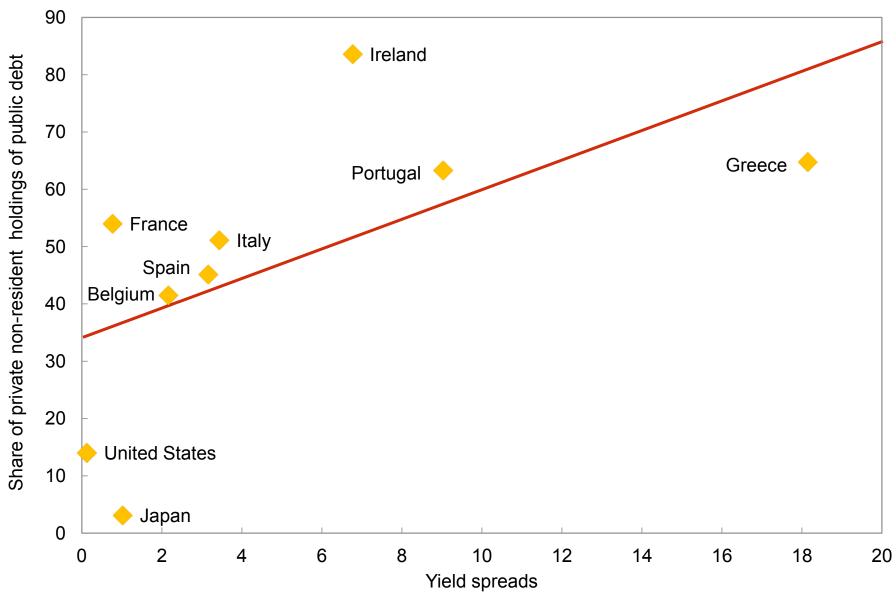


Note: For Ireland, France, Italy, Portugal, Greece and Spain: Private non-resident, includes ECB.

United States: Ownership of Treasury Securities



Private Non-residents Holders of Debt vs. Yield Spreads



Determinants of Spreads, Cross Section Analysis, 2011

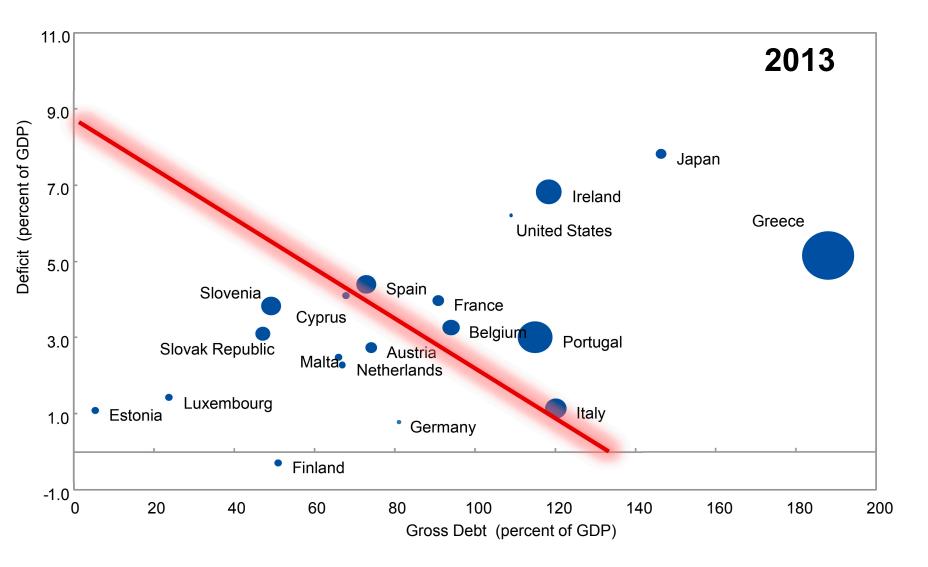
	(1)	(2)	(3)	(4)	(5)
VARIABLES					
Gross debt to GDP 2011	0.0165***	0.0191***		0.0170***	0.0175***
	(3.089)	(5.683)	(4.930)	(5.026)	(5.390)
Primary balance to GDP 2011 for Euro Area	-0.210***	-0.185***	-0.185***	-0.189***	-0.177***
	(-3.728)	(-3.273)	(-3.195)	(-3.432)	(-3.606)
Debt held by a country's central bank or by foreign central banks to GDP	-0.0287*	-0.0380**	-0.0398**	-0.0424***	-0.0419***
	(-1.744)	(-2.747)	(-2.633)	(-3.531)	(-3.681)
Inflation rate 2011	0.309**	0.343***	0.395***	0.384***	0.382***
	(2.729)	(3.329)	(4.623)	(5.122)	(5.024)
Real GDP Growth 2011	-0.195**	-0.221***	-0.163**	-0.159***	-0.153**
	(-2.632)	(-3.580)	(-2.626)	(-2.822)	(-2.671)
NPV of pension spending in percent of GDP 2010	-0.000967	-0.00203	-0.00233	-0.00262	
	(-0.225)	(-0.478)	(-0.615)	(-0.699)	
NPV of health spending in percent of GDP 2010	-0.00238	-0.00245	-0.00100		
	(-0.870)	(-0.880)	(-0.373)		
Primary balance to GDP 2014 for Euro Area	0.0948				
	(0.856)				
Potential output growth, average 2011-2016	0.287*	0.290*			
	(1.724)	(1.765)			
Constant	2.589***	2.506***	2.872***	2.845***	2.712***
	(4.604)	(4.982)	(6.011)	(6.418)	(5.949)
Observations	31	31	31	31	31
R-squared	0.781	0.776	0.748	0.747	0.741
Robust t-statistics in parentheses					

*** p<0.01, ** p<0.05, * p<0.1

4. Policy conclusions

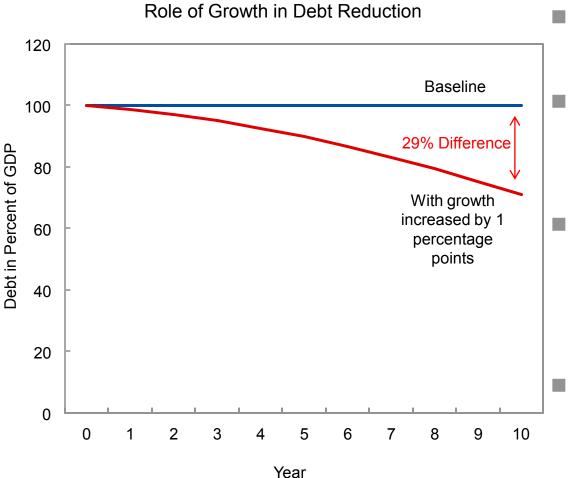
- 1. United States and Japan need a clear plan
- 2. Europe needs:
 - 1. Adjustment in fiscal fundamentals

General Government Deficit vs. Debt in Euro Area Countries, 2013



- 1. United States and Japan need a clear plan
- 2. Europe needs:
 - 1. Adjustment in fiscal fundamentals
 - 2. Reforms to boost potential growth

The Role of Growth Lowering Debt Ratios



- Initial debt ratio at 100%
 - Increase the growth rate for 10 years by 1 p.p.
- Spending constant in per capita terms, assuming a 40% tax ratio
- Would lower public debt by 29% of GDP

- 1. United States and Japan need a clear plan
- 2. Europe needs:
 - 1. Adjustment in fiscal fundamentals
 - 2. Reforms to boost potential growth
 - 3. Banking
 - 4. Financing for countries that are adjusting

Thank You!