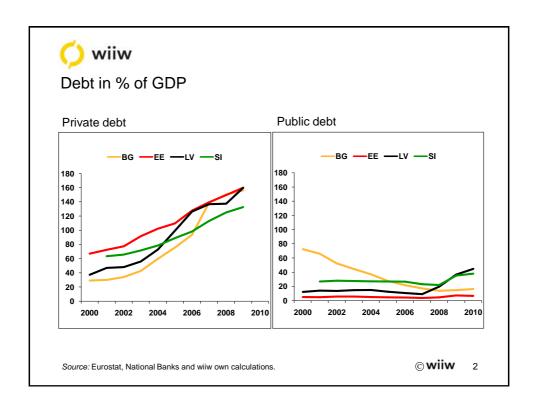


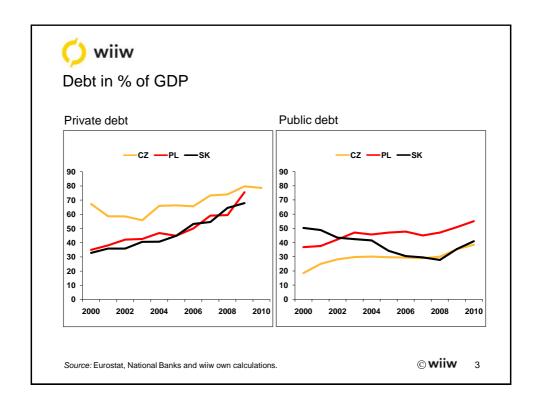
Wiener Institut für Internationale Wirtschaftsvergleiche The Vienna Institute for International Economic Studies

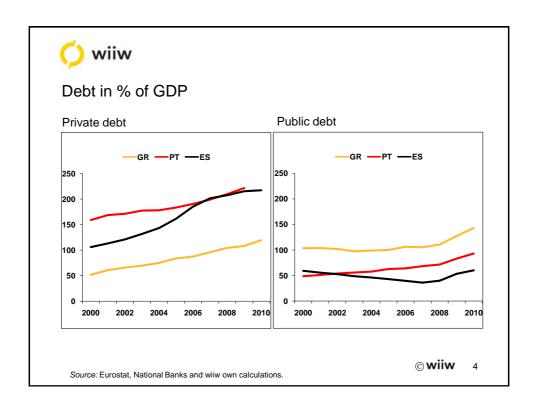
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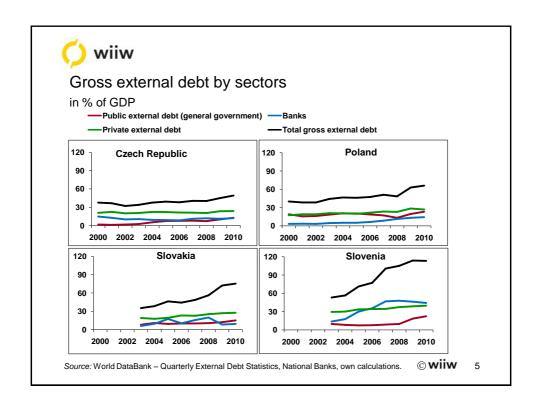
Debt dynamics, flow of funds and deleveraging

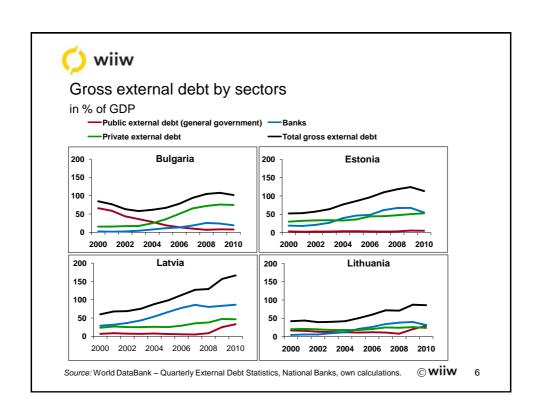
Michael Landesmann and Roman Römisch with Vladimir Gligorov and Mario Holzner

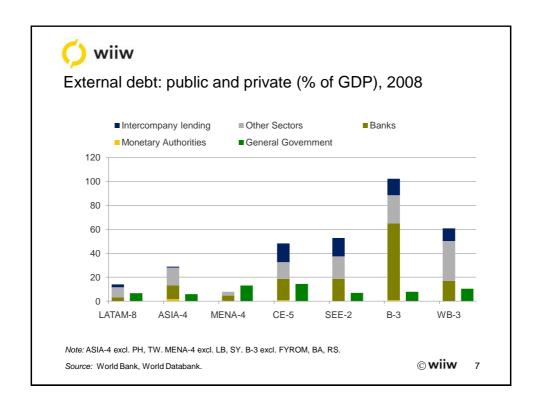


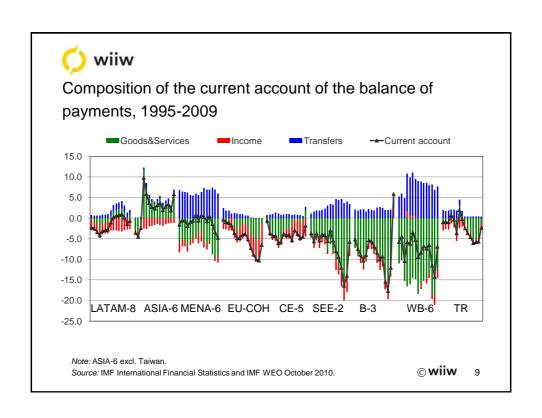


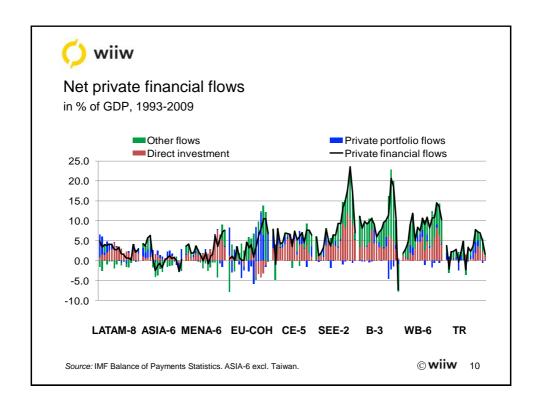


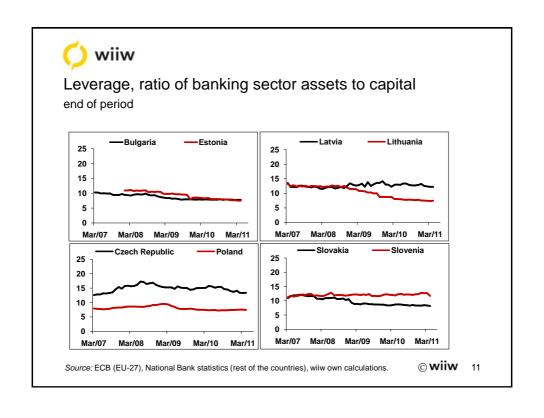














Debt dynamics before and after the financial crisis: effects on economic dynamics and growth

- Strong build-up of private sector debt prior to the outbreak of the financial crisis
- Different groups of CESEE countries (role of exchange rate regime, trade balance developments)
- Crisis: constraints on the inflow of foreign financing ('sudden stop'), worsening of loan conditions
- Impacts on saving behaviour, deleveraging, effects on domestic demand (consumption and investment) and medium-term growth
- Significant changes in financial balances (Römisch)

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Comparison with other Emerging Economies (EMEs)

- CE-5: Czech Republic, Hungary, Poland, Slovakia, Slovenia
- B-3: Estonia, Latvia, Lithuania
- SEE-2: Bulgaria, Romania
- WB-6: Albania, Bosnia and Herzegovina, Croatia,
 Former Yugoslav Republic of Macedonia, Montenegro, Serbia
- B-SEE: B-3 + SEE-2 + WB-6
- EU-COH: Greece, Portugal, Spain, Ireland
- ASIA-6: Indonesia, Korea, Malaysia, Philippines, Taiwan, Thailand
- LATAM-8: Argentina, Brazil, Chile, Columbia, Ecuador, Mexico, Peru, Uruguay
- MENA-6: Egypt, Jordan, Lebanon, Morocco, Syria, Tunisia

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Symptoms of the economic crisis from the point of view of a sector financial balances model

Sector financial balances

$$(SH - IH) = (IU - SU) + (G - T) + (X - M)$$

households

enterprises

Deficit of the public

SH: household savings, IH: household investments, IU: investments of enterprises, SU: savings of enterprises, G: public expenditures, T: public revenues, X: exports, M: imports

- Countries: Bulgaria, Estonia, Latvia, Lithuania, Romania; Czech Republic, Poland; Greece, Ireland, Portugal, Spain (GIPS)
- Period: 2004-2007; 2008-2011

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Symptoms before and after the crisis

- Before the crisis
 - (high) deficits of households and enterprises
 - public sector (about) in balance
 - high current account deficits
- After the crisis
 - surplus, or strong reduction of the deficits, of households and enterprises
 - high deficits in the public sector
 - improving current account balances

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