Competitiveness of the Czech and Slovak economy: What difference does Euro make?

EU, DG ECFIN Brussels, Friday 19 November 2010

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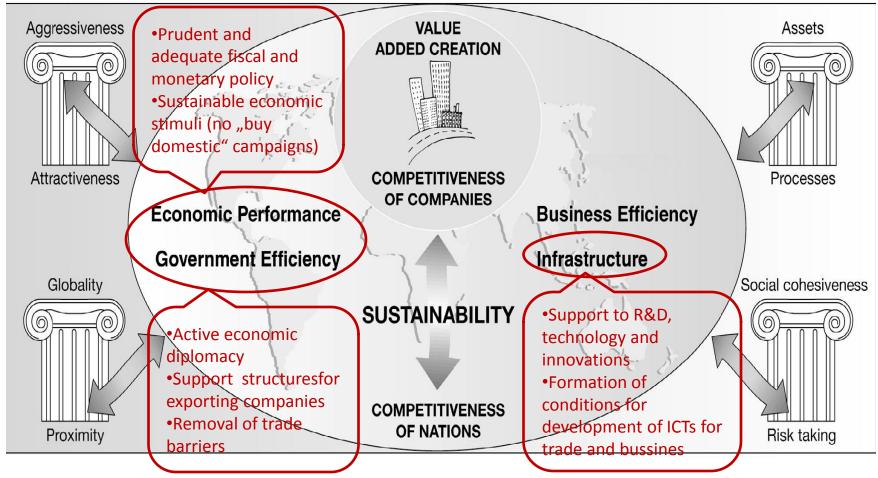
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- 1. Introduction Schumpeterian approach
- 2. First leg sustainable macroeconomic development both in ST, MT and LT
- 3. Second leg Competitiveness supported by the innovation and institutions
- 4. Conclusions



1. Intro

Global framework and "creative destruction"



In all of these areas, civic engagement may lead to substantial improvements



1 Intro

Two legs for country survival – macro and micro

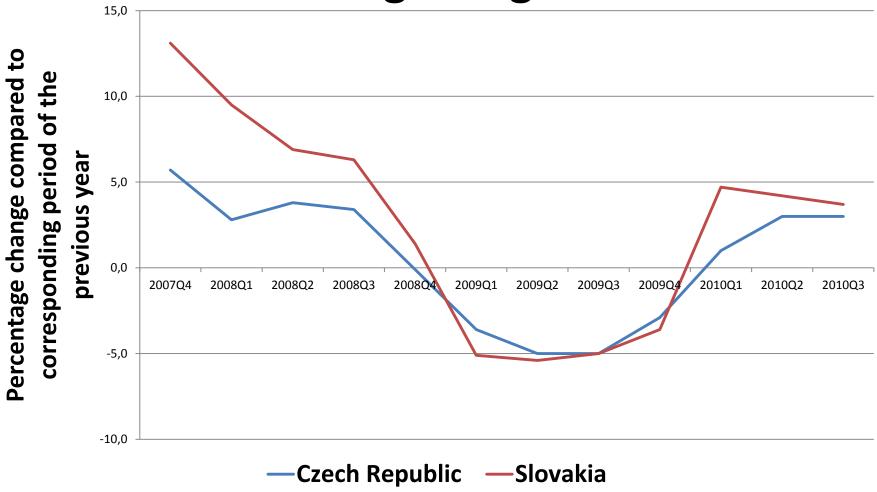
- Two speed EU? Different impacts of the crisis on peripherial EU member states/PIGS vs. core&Cz&SI
- > Long vs. short-term responses to the development
- > What are key interrelated legs based upon rules?
 - ✓ First leg macroviability fiscal structural
 - ✓ Second leg competitiveness
 - Unique features of Czech & Slovak economies (export oriented, low loan/deposit ratio, low share of FX loans, low inflation and interest rates etc.) better than PIGS
 - ➤ Future strategy of the CR & SI "PIGS" country or "Finnish-type"/"German-type" country?

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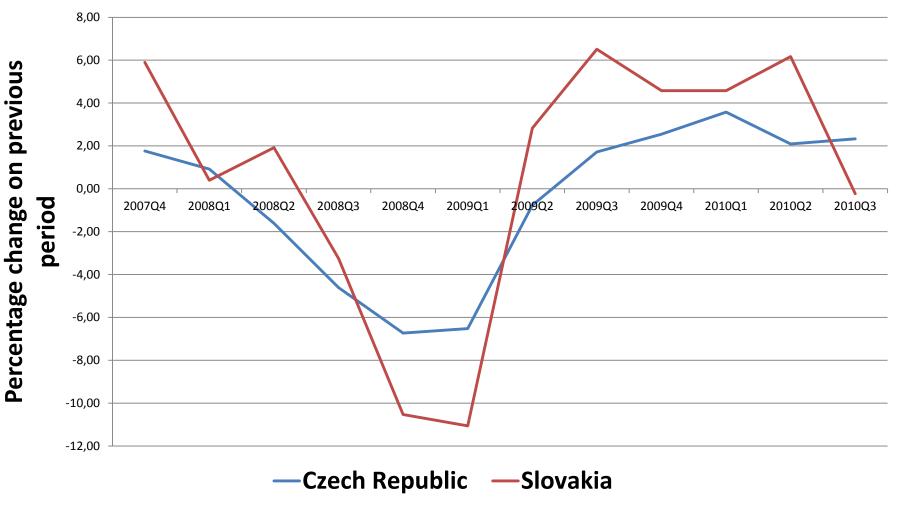


GDP growth: Czech Republic – Slovakia getting closer



Source: Eurostat, Czech Statistical Office (2010Q3 estimate)

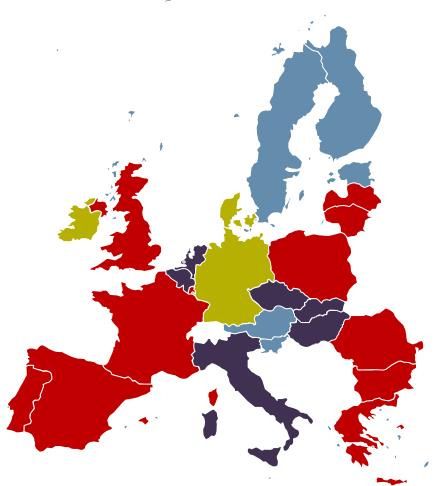
Industry production: decent Czech Republic, more volatile Slovakia



Source: Eurostat (Mining and quarrying; manufacturing; electricity, gas, steam and air conditioning supply)

Export: Both countries trade surplus with EU27 but trade deficit with the rest

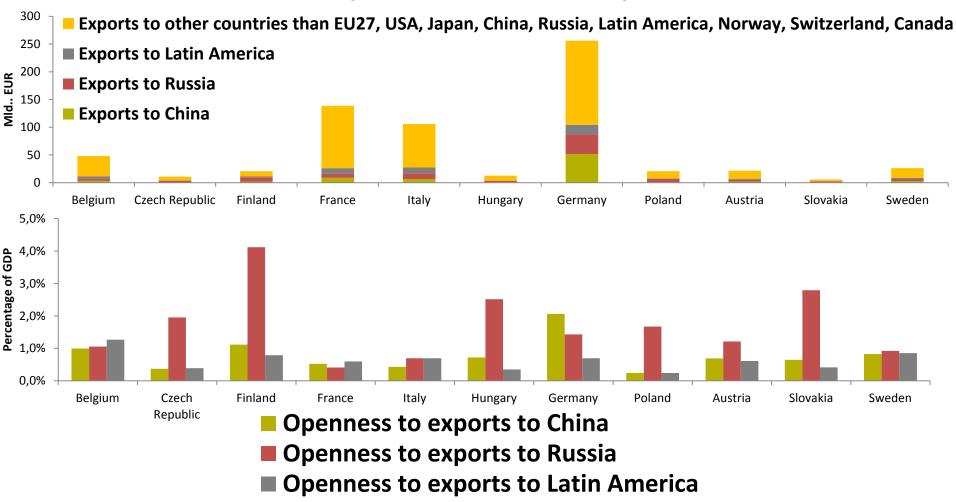
- Trade surplus with both EU27 and the rest of the world
- Trade deficit with EU27, trade surplus with the rest of the world
- Trade surplus with EU27, trade deficit with the rest of the world
- Trade deficit with both EU27 and the rest of the world



High integration: 86% of Czech exports to EU, majority EU ownership of Czech banks & firms

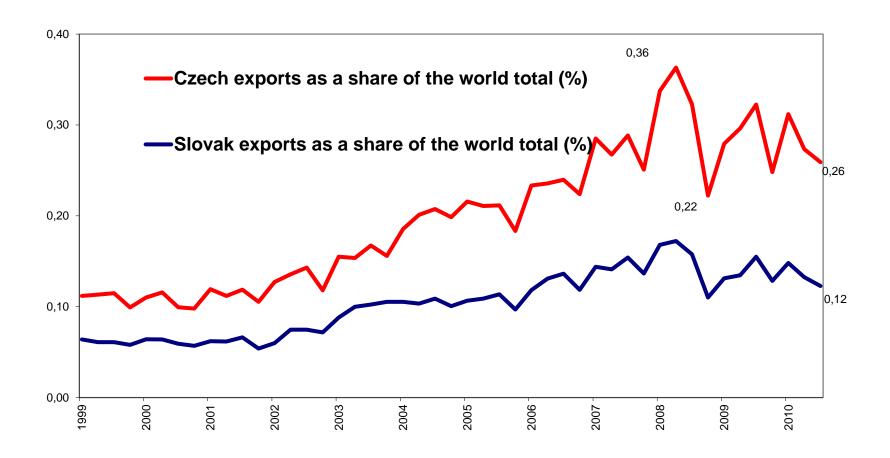
Source: Eurostat (2009) data for 2008

CZ&SL Exports to the rest of the world: so far not important except for Russia



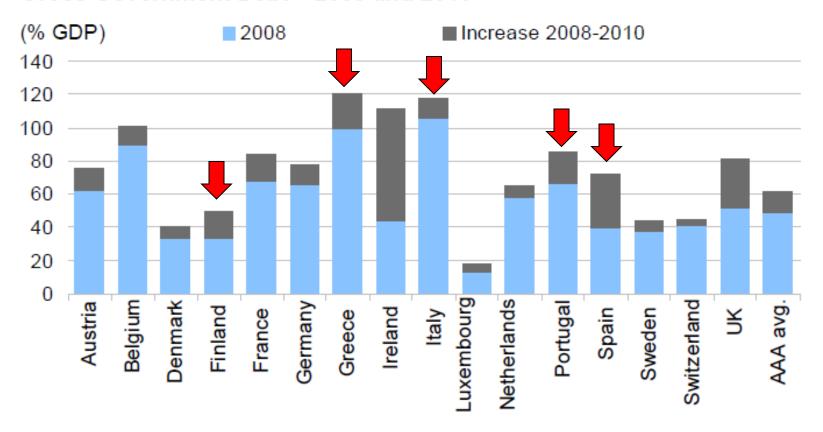
Source: Eurostat (data for 2008)

Exports as a share of the world total: not rising since the crisis any more, mutual trade still significant



Source: Bloomberg, calculation until 30.9.2010 by A.Michl

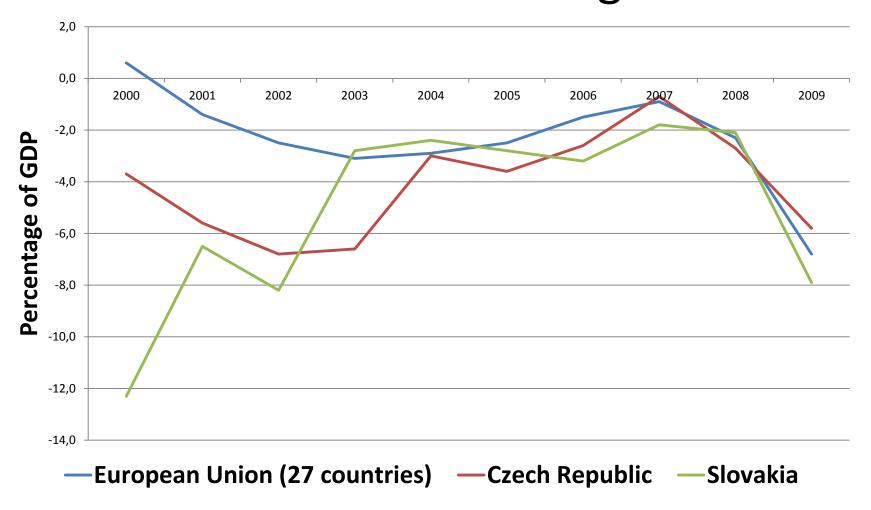
Gross Government Debt – 2008 and 2010



High debt/HDP ratio of PIIGS while debt of CR & SI relatively low

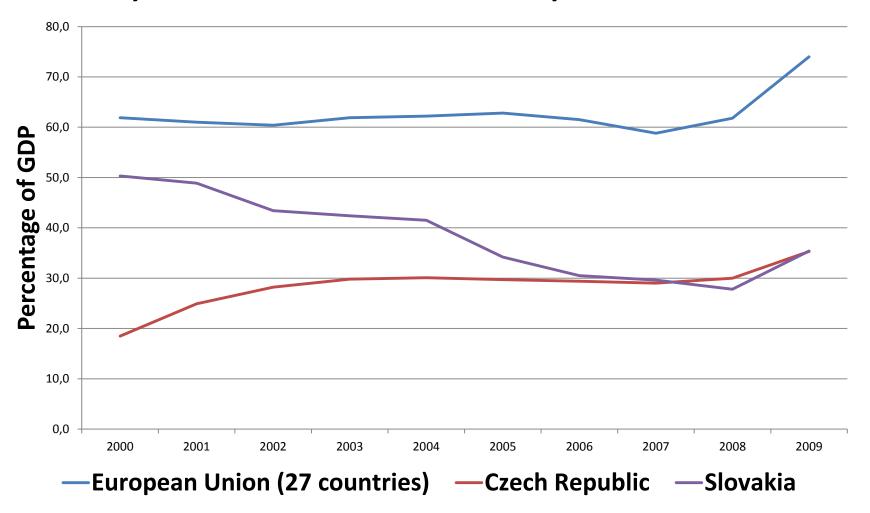
Source: FITCH

(Net lending or) Net borrowing should be limited due to current gmt efforts

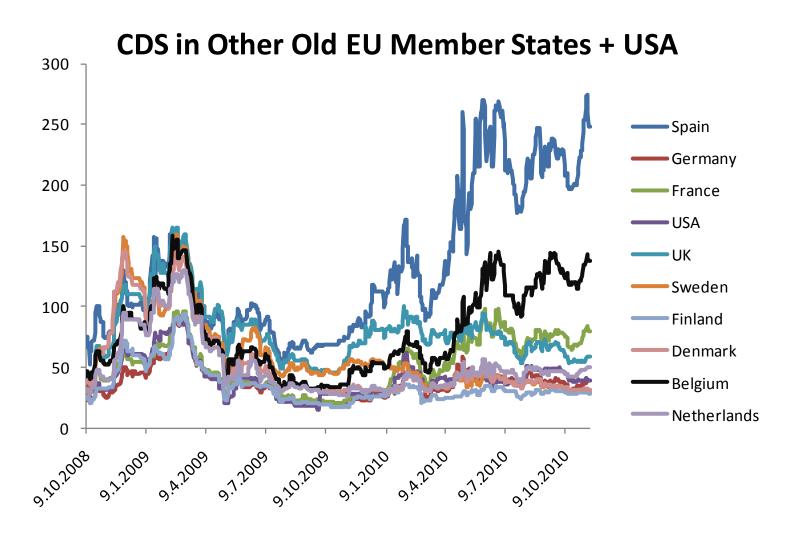


Source: Eurostat (Net lending (+)/Net borrowing (-) under the EDP (Excessive Deficit Procedure))

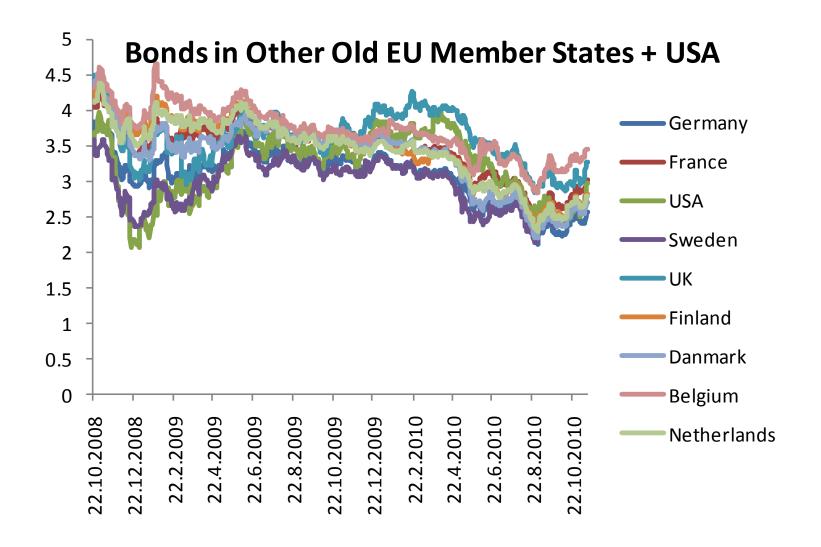
Government consolidated gross debt still relatively low but threatened by structural deficits



Source: Eurostat (Government consolidated gross debt)

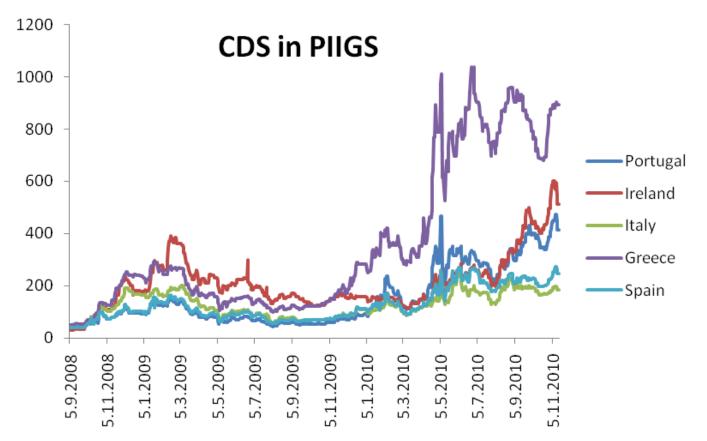


Why low CDS spread in Finland and high in Belgium?



Why low cost bonds in Finland (2.8%) vs Belgium (3.5%)?

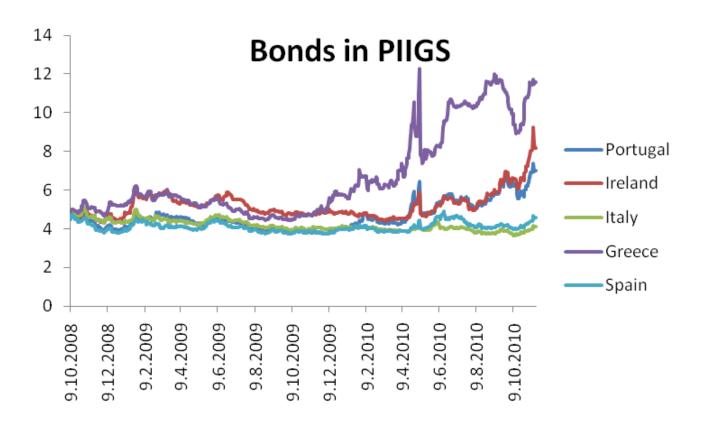
Eurozone PIIGS countries credit risk reflected by the market (CDS)



Higher CDS spread = penalty from the market. Minimum Italy with 183 and Spain with 248

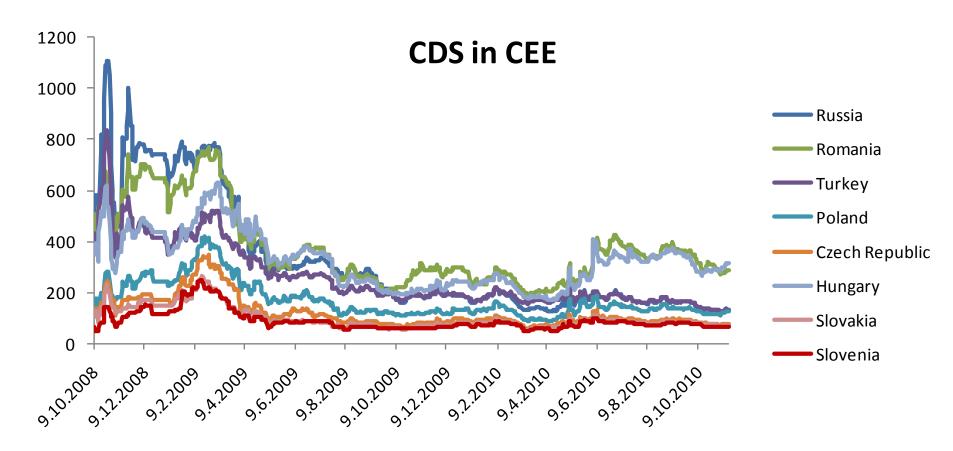
Source: Thomson Reuters, quotes in bps for sovereign 5Y credit default swaps until November 15, 2010

Eurozone PIIGS countries credit risk reflected by the market (T-bonds)



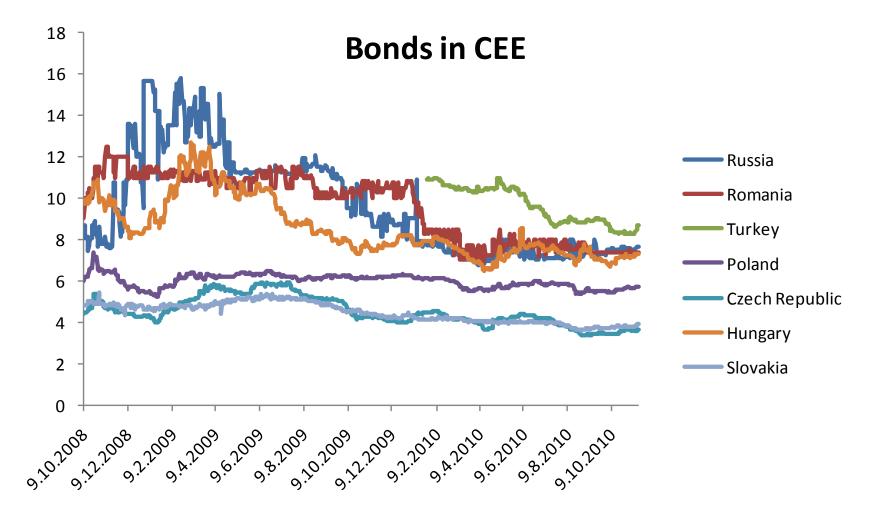
Situation is getting more costly for Greece, Ireland and Portugal again. Minimum for Italy with 4.1% and Spain with 4.56%

Source: Thomson Reuters, data in % for 10YT until November 15, 2010



➤ Currently CDS spread is relatively low in the CR (76) and Slovakia (71) compared to some CEE countries such as Hungary (314) and Romania (286) and all PIIGS eurozone member states (range within 186 – 892)

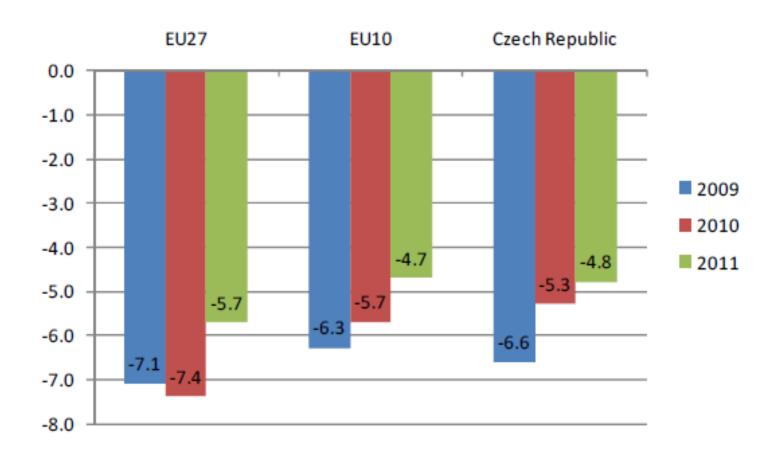
Source: Thomson Reuters, quotes in bps for sovereign 5Y credit default swaps until November 15, 2010



..relatively low CDS spread implies relatively low Treasury bond yields in the CR (3.625%), Slovakia (3.922) but sustainable ?

Source: Thomson Reuters, data in % for 10YT until November 15, 2010

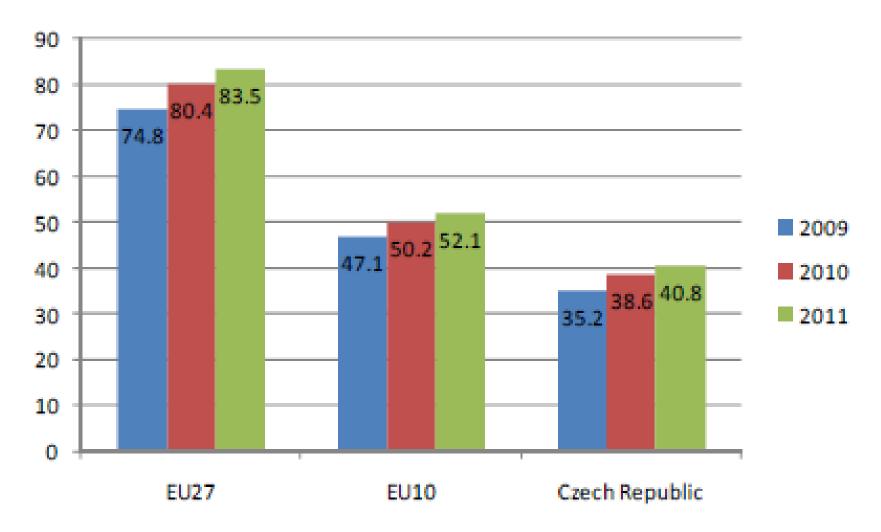
Fiscal sustainability ...planned decreasing fiscal deficits in the CR (% GDP)



- Implying relatively low Treasury bond yields in the CR
- But sustainable due to new gmt fight with structural deficits?

Source: World Bank - Convergence Program Updates, January 2010

Fiscal sustainability
...but increasing public debt/GDP ratio (%)



Source: World Bank - Convergence Program Updates, January 2010

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Competitiveness supported by the innovation and institutions Two types of competitiveness

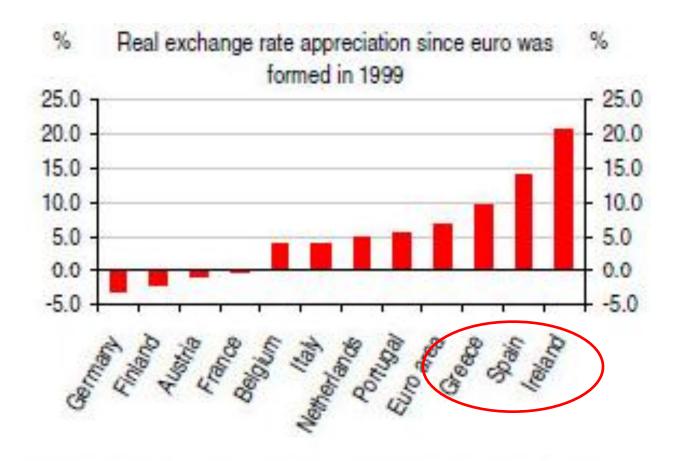
> Price/cost competitiveness

✓ Higher productivity growth vs. prices/salaries (some Euroarea members – ESP, GRE etc.)

> Non-price competitiveness

- ✓ effective state administration
- √ indices of competitiveness include innovation
 - World Bank/Doing Business
 - World Economic Forum/The Lisbon Review Global Competitiveness Report
 - The EIU IT industry competitiveness index
 - The IMD in Lausanne etc.

Decreasing competitiveness of PIIGS (Euro...)



Weighted average of a basket of bilateral exchange rates adjusted with relative consumer prices. Weights are derived from manufacturing trade flows and capture both direct bilateral trade and third country competitiveness. Source: BIS

Competitiveness supported by the innovation and institutions Price/cost (un)competitiveness – Spanish case

| Table 1: Indicators of the competitiveness of the Spanish economy | | | | | | | | | | |
|---|----------|---|------------------------------------|-----------------------------------|------------------------------------|--|--|--|--|--|
| | Relative | Relative wage costs in manufacturing ** | Manufacturing/total employment (%) | Construction/total employment (%) | Current account balance (% of GDP) | | | | | |
| 1998 | 100.0 | 100.0 | 18.6 | 9.8 | -1.1 | | | | | |
| 1999 | 100.7 | 97.4 | 18.4 | 10.4 | -2.7 | | | | | |
| 2000 | 102.2 | 100.0 | 18.1 | 11.1 | -4.0 | | | | | |
| 2001 | 102.9 | 100.9 | 17.8 | 11.6 | -4.3 | | | | | |
| 2002 | 103.3 | 101.6 | 17.6 | 11.7 | -3.8 | | | | | |
| 2003 | 104.0 | 104.9 | 17.1 | 11.8 | -4.0 | | | | | |
| 2004 | 105.7 | 107.6 | 16.7 | 12.1 | -5.9 | | | | | |
| 2005 | 107.9 | 111.9 | 16.1 | 12.5 | -7.5 | | | | | |
| 2006 | 110.5 | 115.6 | 15.5 | 12.8 | -9.0 | | | | | |
| 2007 | 113.0 | 118.3 | 14.9 | 13.1 | -10.0 | | | | | |

Source: Bruegel calculations based on AMECO and Price and Cost Competitiveness Databases. Note: * REER vs EU16 based on unit labour costs, total economy. Normalised as 1998=100; ** REER vs EU16 based on unit wage costs, manufacturing. Normalised as 1998=100

Competitiveness supported by the innovation and institutions The EU is still lagging behind the US

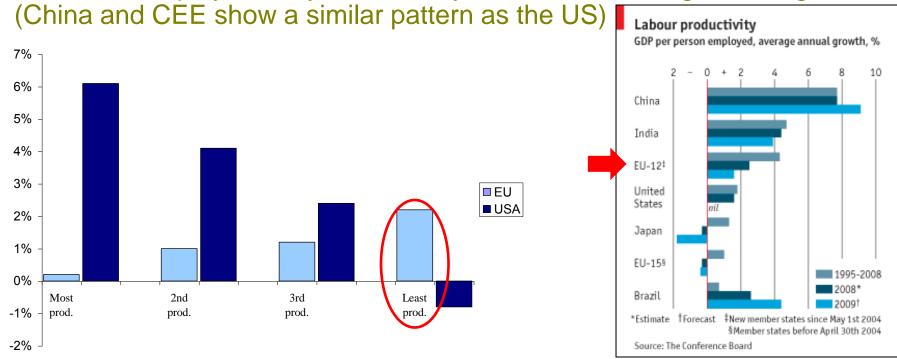
| | Average annual labour productivity growth per person employed | | | GDP ppe 2007 | GDP phw 2007 (EU-25=100) | GDP pc 2007 |
|----------------|--|-----------|------|-----------------|--------------------------------|-------------|
| | 1996-2001 | 2001-2006 | 2007 | (EU-27=100) | (EU-25=100) (*) | (EU-27=100) |
| Austria | 1,6 | 1,4 | 1,4 | 120,4 | 107,9 | 127,7 |
| Belgium | 1,3 | 1,4 | 1,1 | 131,2 | 133,8 | 118,9 |
| Bulgaria | 2,4 | 3,3 | 3,3 | 35,6 | 34,6 | 37,9 |
| Cyprus | 2,6 | 0,2 | 1,1 | 84,7 | 73,9 | 91,6 |
| Czech Republic | 2,0 | 4,1 | 4,6 | 73,1 | 59,7 | (81,0) |
| Denmark | 1,4 | 1,7 | 0,0 | 107,1 | 112,3 | 124,0 |
| Estonia | 8,5 | 6,9 | 6,6 | 67,5 | 54,2 | 71,4 |
| Finland | 2,2 | 2,0 | 2,1 | 113,4 | 107,1 | 118,3 |
| France | 1,2 | 1,2 | 0,8 | 123,6 | 129,4 | 110,6 |
| Germany | 2,0 | 1,6 | 1,0 | 106,6 | 119,3 | 114,0 |
| Greece | 3,1 | 2,5 | 2,7 | 105,4 | 77,9 | 98,2 |
| Hungary | 3,2 | 4,0 | 1,5 | 74,8 | 60,3 | 64,1 |
| Ireland | 3,2 | 2,2 | 1,6 | 135,4 | 115,9 | 145,9 |
| Italy | 0,9 | 0,0 | 0,5 | 108,0 | 94,9 | 101,3 |
| Latvia | 6,0 | 6,7 | 6,6 | 53,6 | 45,3 | 57,9 |
| Lithuania | 7,2 | 5,9 | 6,7 | 60,2 | 51,5 | 59,8 |
| Luxembourg | 1,5 | 1,6 | 0,2 | 182,3 | 180,8 | 279,2 |
| Malta | 2,6 | 1,1 | 1,1 | 90,1 | 85,0 | 77,1 |
| Netherlands | 1,4 | 1,6 | 1,1 | 113,1 | 130,4 | 131,2 |
| Poland | 5,5 | 3,6 | 1,9 | 61,4 | 49,7 | (54,4) |
| Portugal | 1,8 | 0,6 | 1,7 | 68,4 | 62,2 | 73,6 |
| Romania | 0,9 | 6,9 | 4,7 | 40,5 | N/A | 40,2 |
| Slovakia | 3,8 | 5,0 | 8,1 | 76,6 | 69,1 | (68,3) |
| Slovenia | 4,0 | 3,6 | 3,3 | 85,7 | 79,3 | 90,1 |
| Spain | 0,2 | 0,5 | 0,8 | 102,5 | 99,6 | 104,1 |
| Sweden | 1,8 | 3,0 | 0,5 | 113,0 | 112,2 | 123,6 |
| United Kingdom | 1,9 | 1,6 | 2,3 | 110,8 | 107,4 | 117,8 |
| EU-25 | 1,7 | 1,4 | 1,3 | 103,9 | 100,0 | (100,0) |
| EU-27 | 1,7 | 1,4 | 1,3 | 100,0 | N/A | NA |
| US | 1,8 | 2,1 | 1,0 | 142,0 | 128,4 | 154,3 |

Note: The relative levels of GDP per person employed, per hour worked and per capita have been calculated on the base of purchasing power standards.

^(*) Data for Romania and EU-27 are not available (N/A), and number for the US refers to 2006

Competitiveness supported by the innovation and institutions Different levels of productivity — support of zombies!

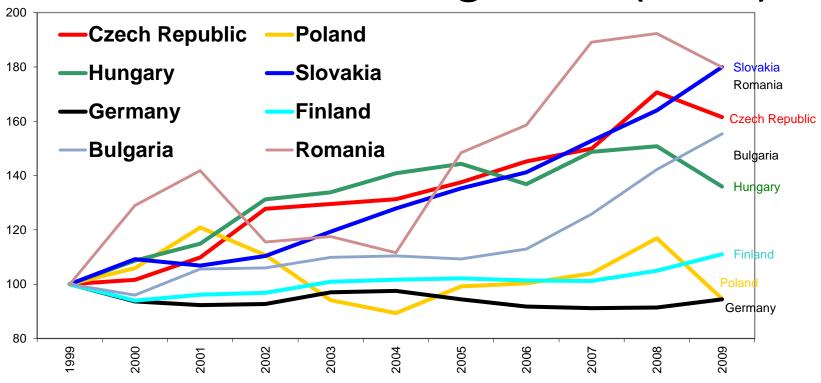
Growth of Employment by Productivity Quartiles is a Long-Term Signal



- Some un-wise bail-outs and state subsidies might block necessary structural/innovation changes and fix old problems
- Old EU member states might lag behind China and US in terms of productivity...CEE growth might not!

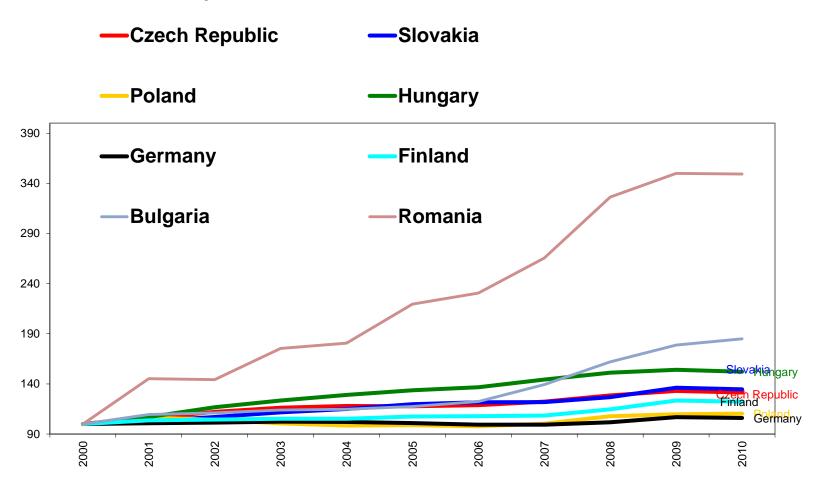
Source: Mejstřík & Chytilová (2008) based on Gretschmann (2006), The Economist 11/2009

Price and cost competitiveness: Real Effective Exchange Rate (REER)



REER is obtained by deflating the nominal effective exchange rate (a measure of the value of a currency against a weighted average of several foreign currencies) by a suitable effective deflator, in this case the nominal unit labour costs in total economy.

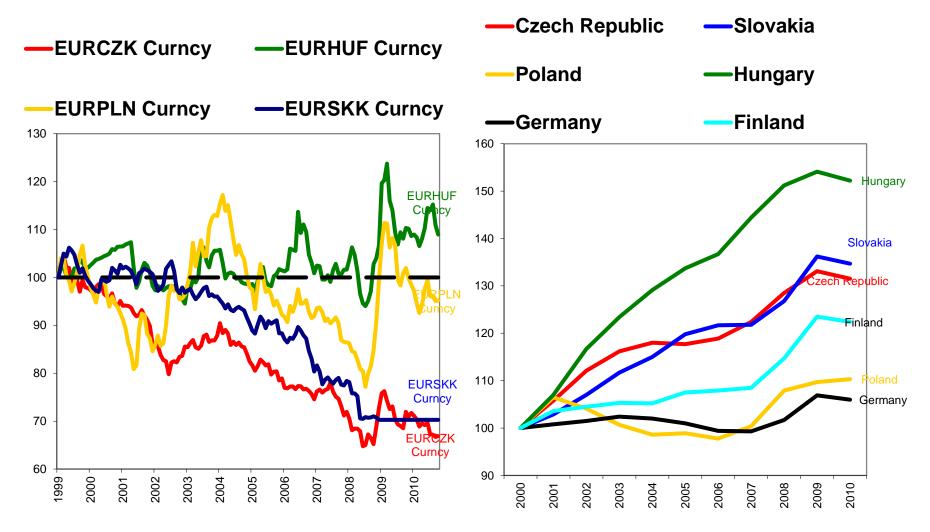
Cost competitiveness: Unit labour costs



= total labour costs per unit of output calculated as the ratio of compensation per employee to labour productivity (defined as GDP per person employed).

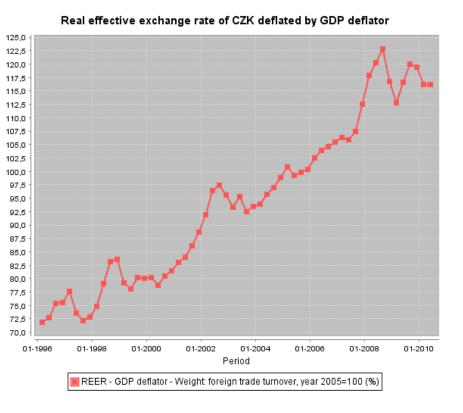
Source: Eurostat, calculated until September 30, 2010 by A.Michl

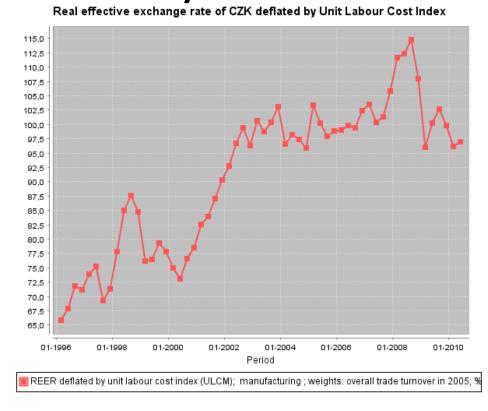
Price and cost competitiveness: ExRate appreciated and unit labour costs?



Source: Bloomberg, Eurostat calculations until 30.9.2010 by A. Michl

Czech cost competitiveness has not been lost in manufacturing so much as in national economy

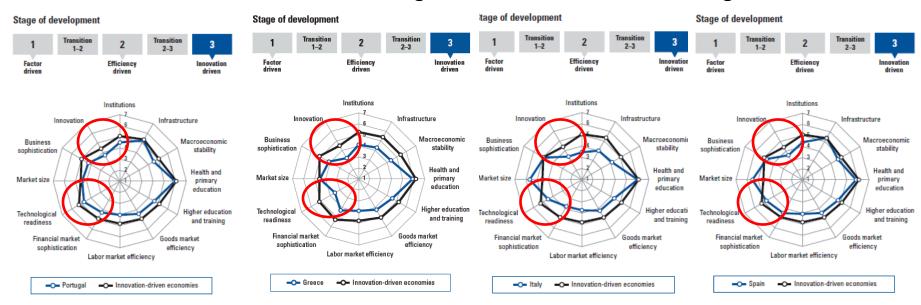




 Development of REER and Labour unit costs for national economy and manufacturing calculated by M.Zamecnik

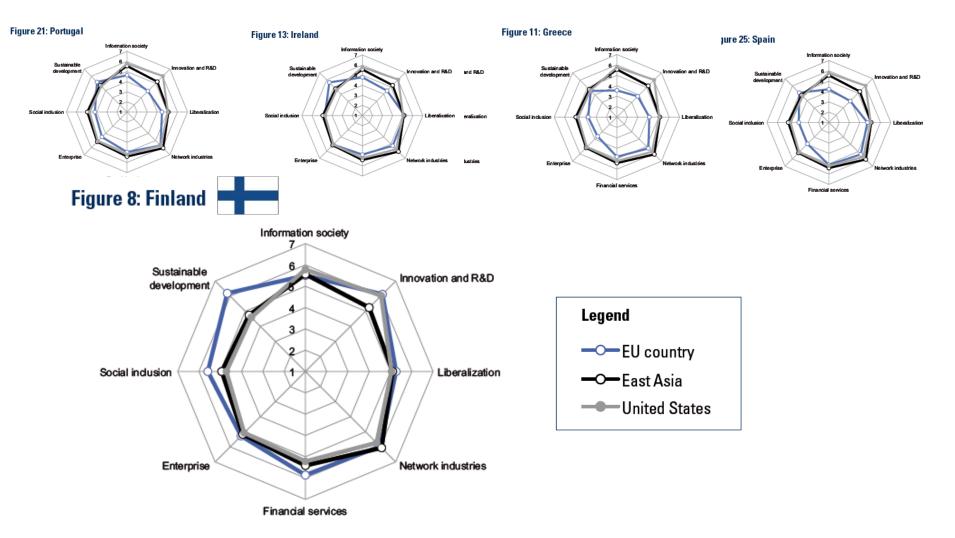
Competitiveness supported by the innovation and institutions Southern European peripherals - PIGS

MT& LT similarities besides weak macro:
Substandard competitivness including substandard innovation, technological readiness and higher education and training



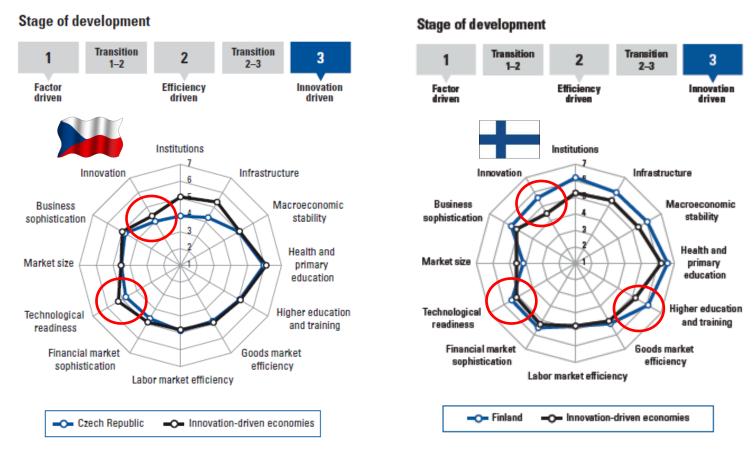
Source: World Economic Forum (2009)

Lisbon review 2010 - PIGS vs Finland



Competitiveness supported by the innovation and institutions

Czech Republic vs. Finland



- CR follows innovation-driven economies in most of pillars
- CR lags in terms of Infrastructure, Institutions but also in Innovation and Technological readiness, Finland is the leader

Source: World Economic Forum (2009)

Global Competitiveness Index: 3i's problem

Czech Republic





Slovakia



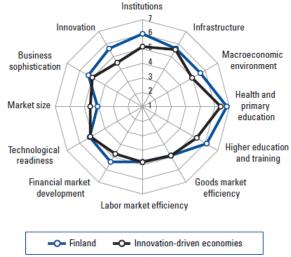
Slovak Republic

-O- Economies in transition from 2 to 3

are around an average among their peers for all pillars but innovations, infrastructure, and especially institutions (3i's problem).

Both countries

Finland

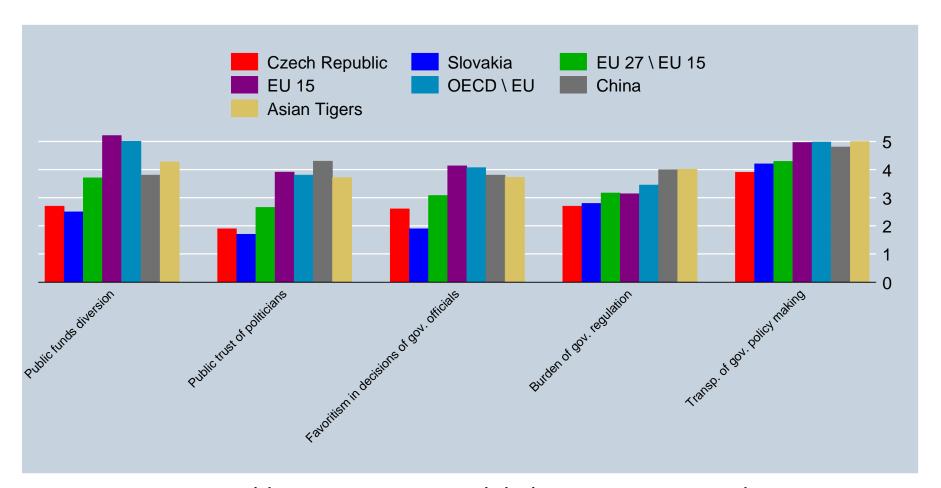


Germany



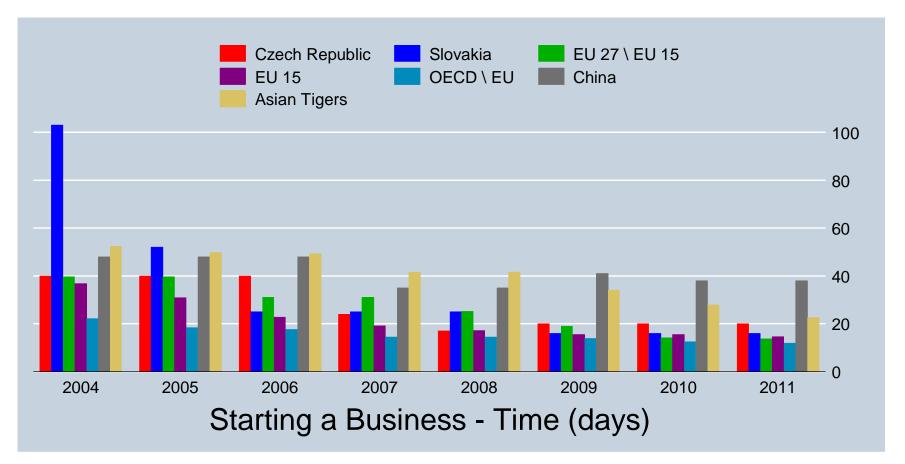
Germany — Innovation-driven economies

Institutions: both countries perceived somewhat weak

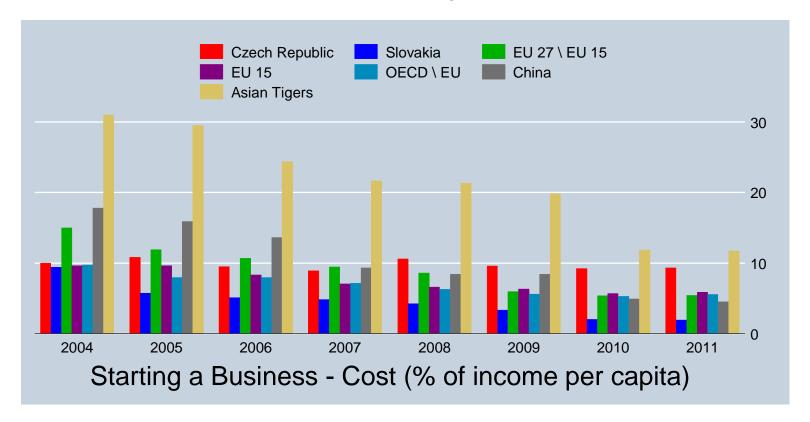


Source: World economic Forum Global Competiveness Index 2010-11

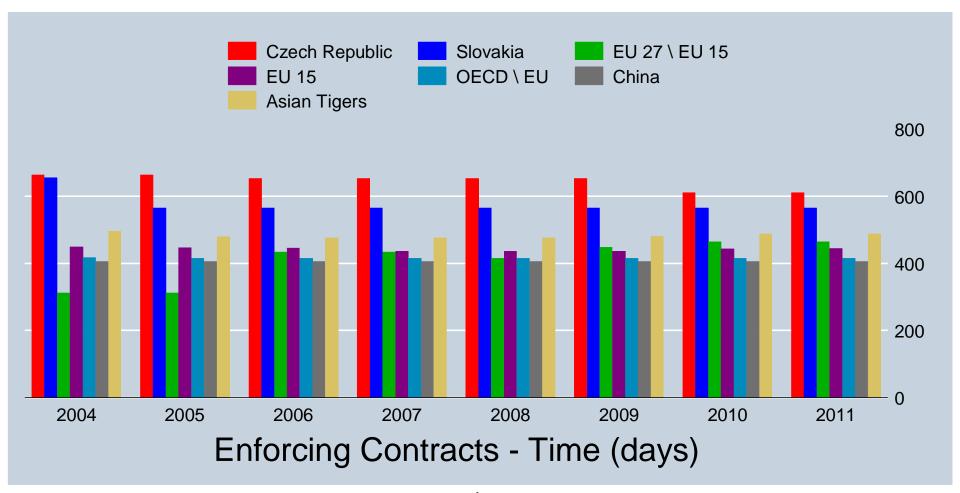
Starting business: it takes too long in both countries



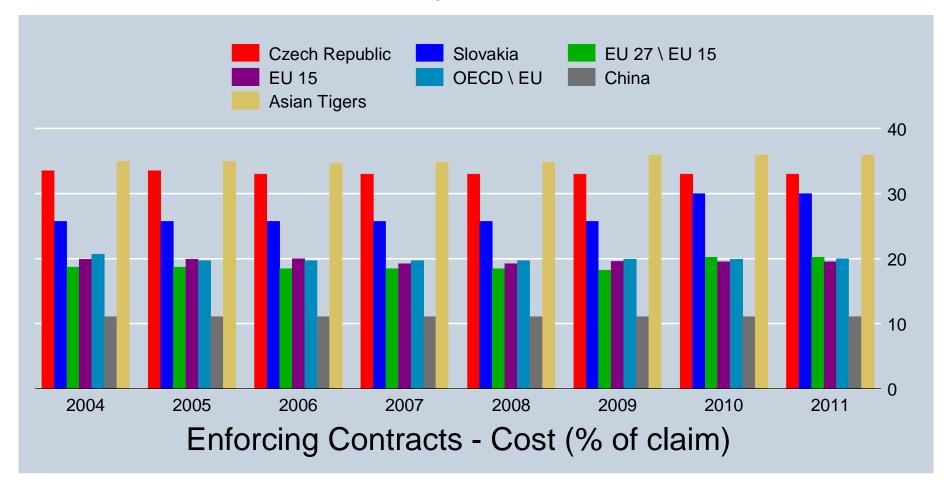
Starting business: but it is much cheaper in Slovakia



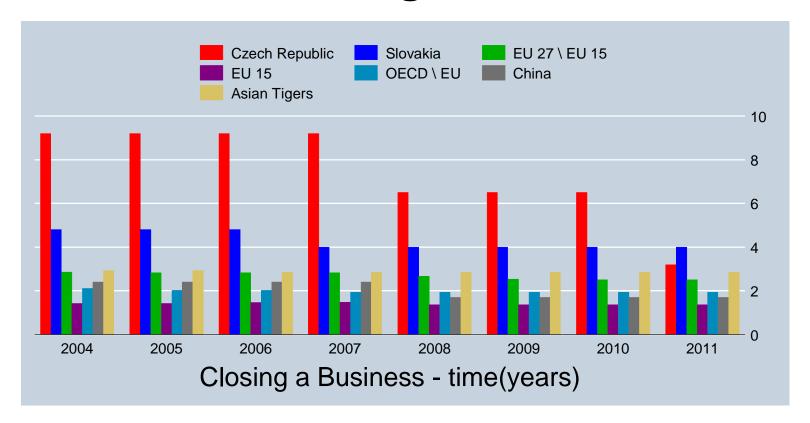
Enforcing Contracts: it takes too long in both countries



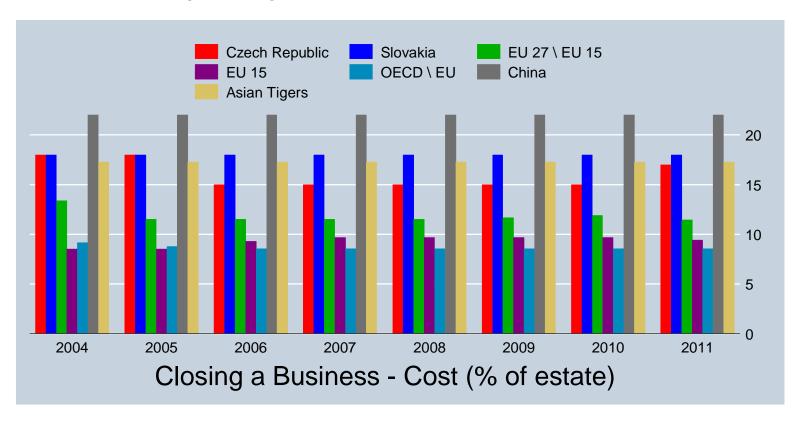
Enforcing Contracts: and is too costly in both countries



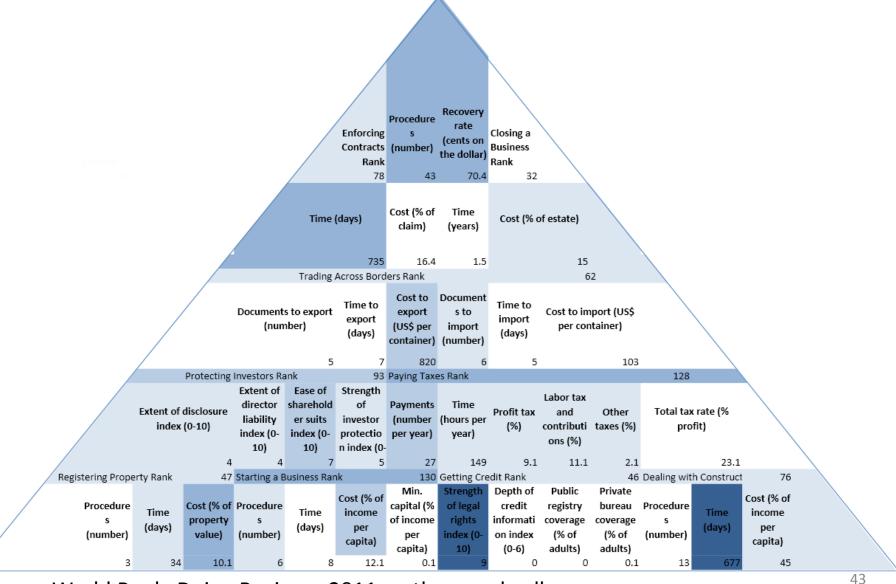
Closing business: it still takes too long in both countries



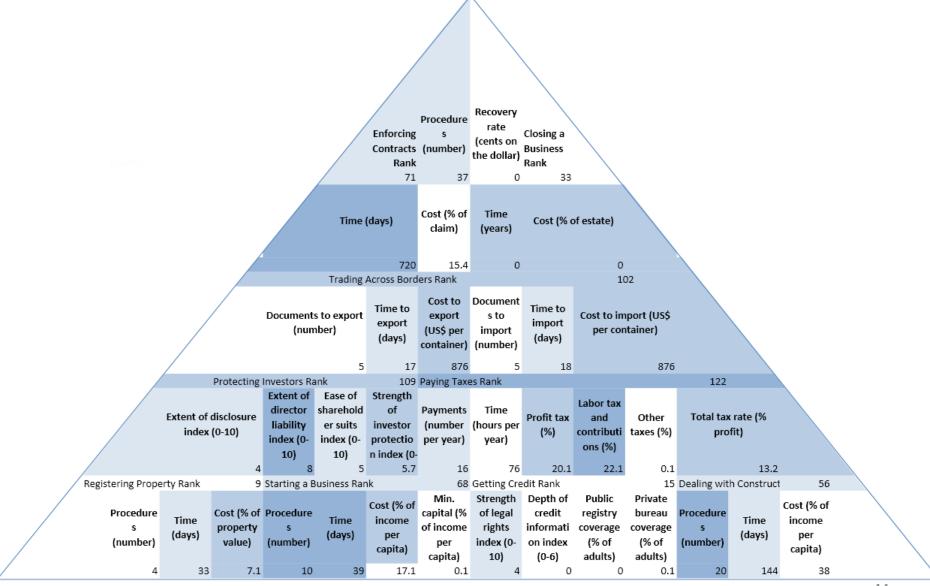
Closing business: and is very expensive in both countries

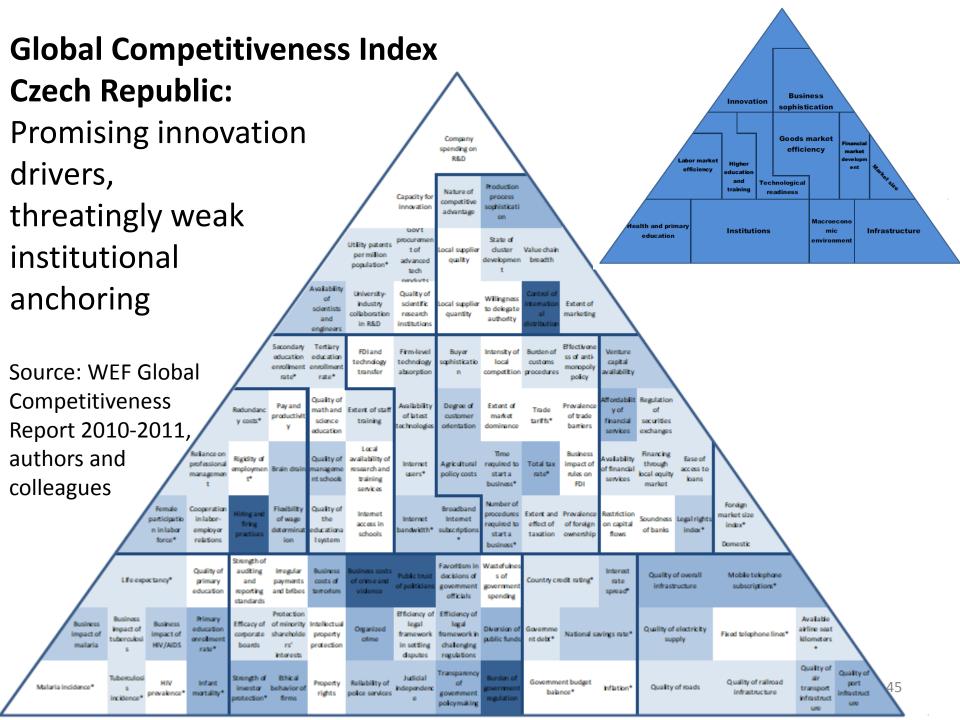


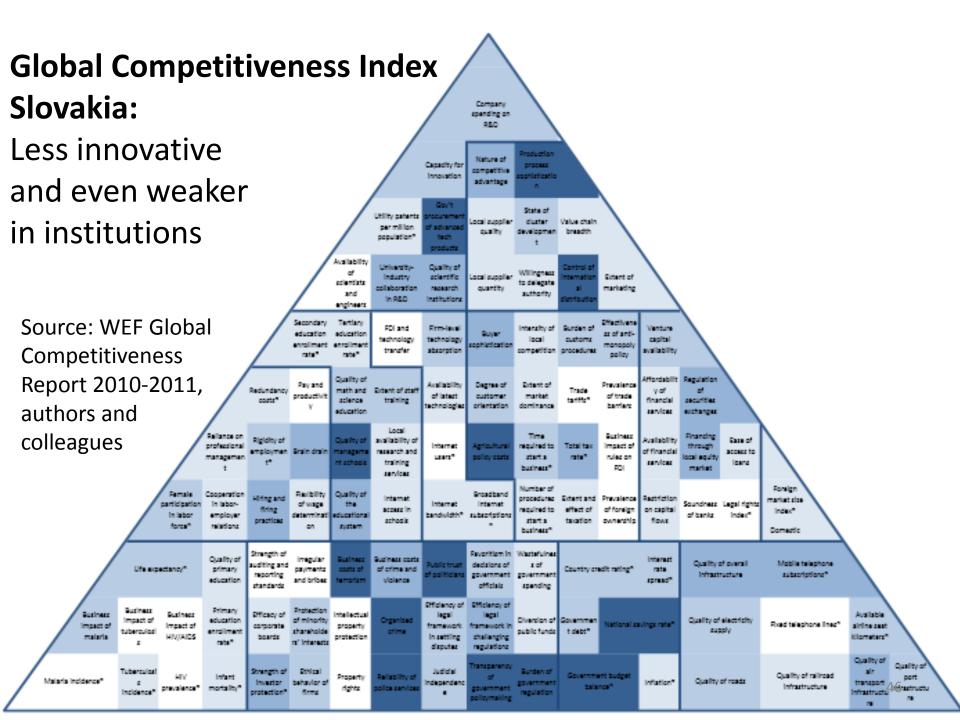
Doing Business in the Czech Republic?



Doing Business in Slovakia?







Competitiveness supported by the innovation and institutions Future of innovation

- Importance of ideas
- ➤ The need of the development of a **technological agency** (similar to the National Technology Agency in Finland)
- Besides basic research also applied research -> practical results
- "Taxation of innovation" missing effective single Eu patent (van Pottelsberghe 2010)
 - Importance of materialized outputs – better protection of know-how (e.g. "built-in-box ideas" by Nokia, Nokian tyres, Linet smart hospital beds)



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Conclusion for the Czech republic and Slovakia

- ➤ So far no significant difference found in the field of competitiveness due to Euro. Convergence weakens price/cost competitiveness but productivity growth partially compensates for. Similar features in global competitiveness that is much better than for peripheral countries PIIGS.
- ➤ Still much to be done. Number of the Czech issues addressed by the Final Report of National Economic Council of Government (NERV), 2009. Problems well demonstrated by delays of Czech EU structural funds for Research and Development . Still Low confidence to Policy Institutions (Ministry, Technological Agency, scientometrics and "coffee-mill selection tool")
- Importance of policy action by the new governments after never ending discussions of sophisticated background materials...Raised again by newly appointed Czech NERV

Final conclusion for Europe

'Innovation-based growth requires a coherence that is lacking in Europe. This is the main problem to address.' (Aghion 2006)

Support of Impact assessment: "...structural reforms need careful agenda-setting and prioritisation, based on a comparative cost-benefit analysis where the value of each reform would be measured by the ratio of its contribution to the overall growth potential of the country over the (social) cost of implementing the reform. This in turn would enable us to "rank" the reforms; that is, to get a more precise view as to what should be undertaken first, or as to which reforms should be implemented jointly because of complementarities in their growth impacts. (Aghion 2006)

Unfortunately still very valid not only for PIIGS Eurozone countries...
...but also for the whole EU including CR & SI

Recent EU 2020 strategy looks still rather ambivalent regarding conflicting priorities

Thanks for your attention.

Lets discuss it now!

Useful sources

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