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The Lisbon Council

Human Capital Leading Indicators: How Europe's Regions and Cities Can Drive Growth and Foster Social Inclusion

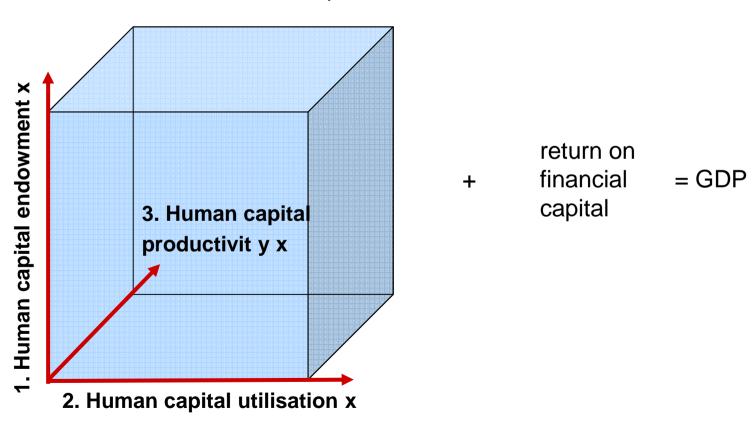
Peer Ederer, PhD
Director, human capital center, The Lisbon Council

Brussels, 28th February 2011



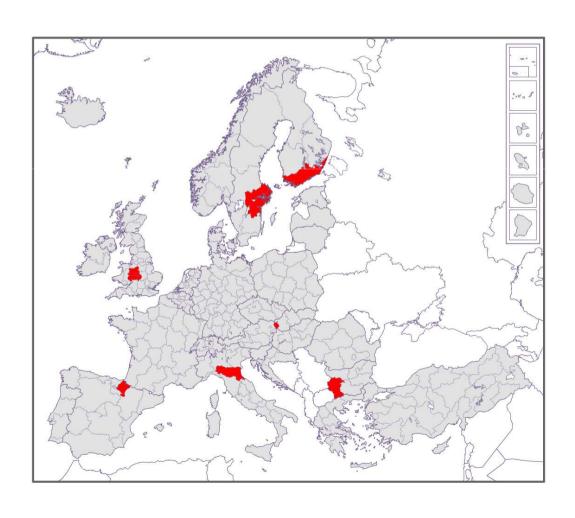
Mankiw, Romer and Weil revised...







Focus regions are spread across Europe



Bratislava, Slovakia

Emilia Romagna, Italy

Helsinki, Finland

Navarra, Spain

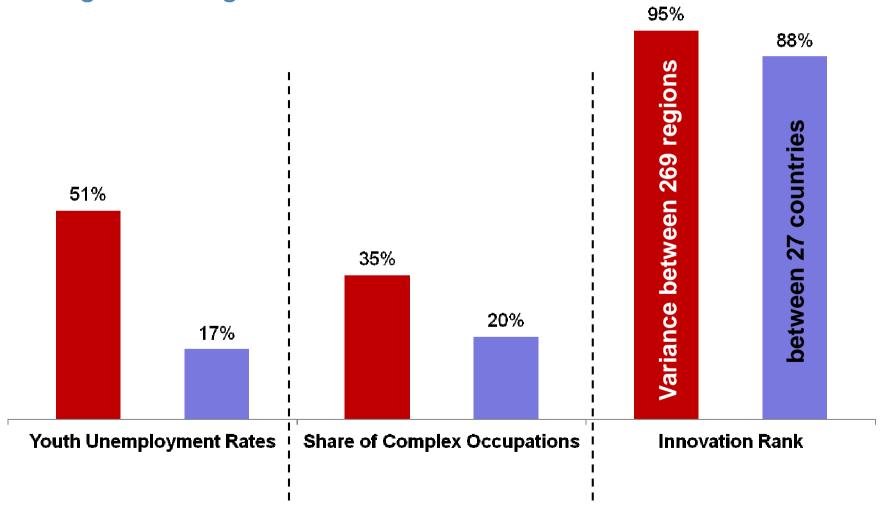
Sofia, Bulgaria

Stockholm, Sweden

West Midlands, UK

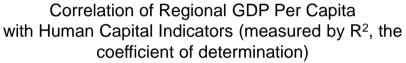


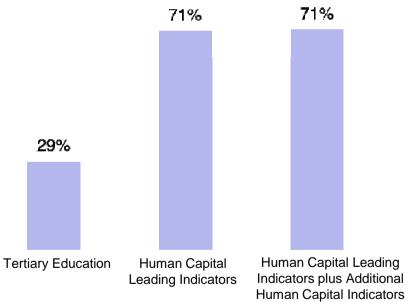
Performance differences (measured by variance) between regions is higher than between countries



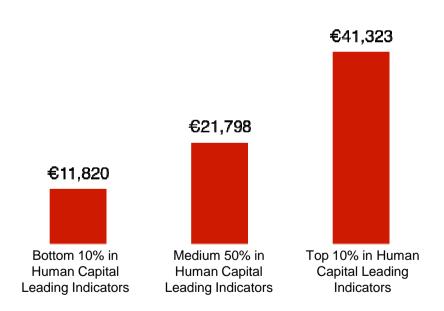


Top Performance in Human Capital Leading Indicators Closely Predicts Regional Income Differences



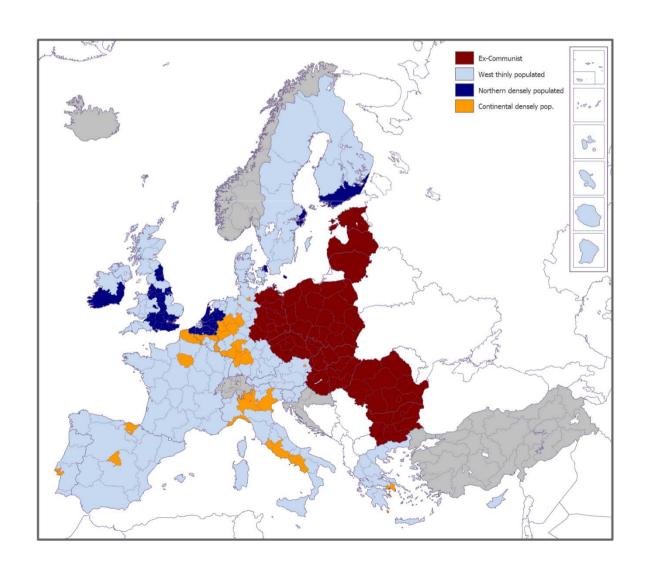


Fit of Regional GDP Per Capita with Performance in Human Capital Leading Indicators





Four groups of regions with different preconditions

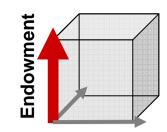




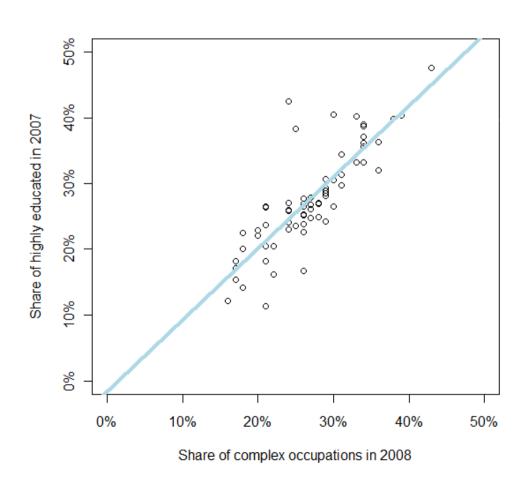
Continental densely populated regions appear less educated but are nonetheless richer than the North – why?

	GDP PPP per capita	Share of complex occupations	Share of highly educated
Northern Regions	29.292 Euro	30%	30%
Continental Regions	31.357 Euro	23%	24%

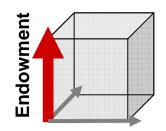




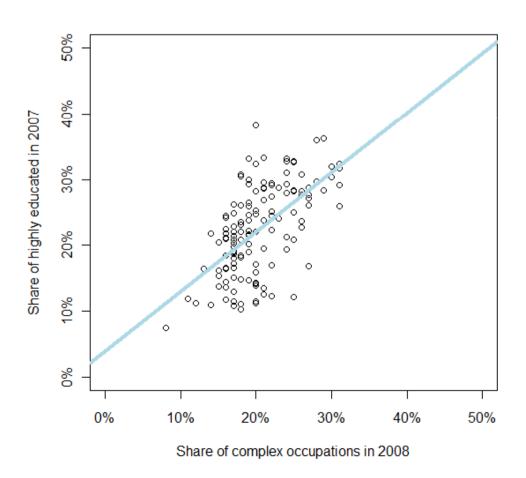
In densely populated regions education leads to better jobs...



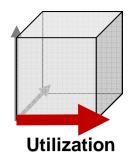




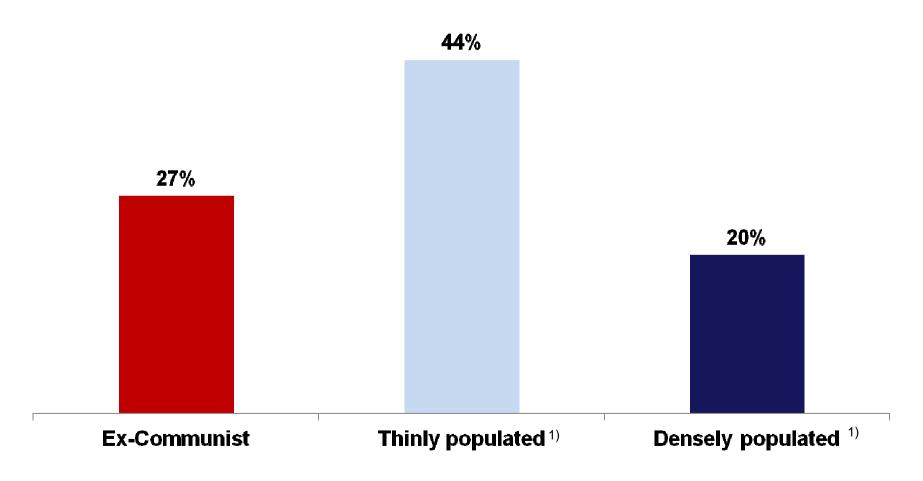
...but less so in thinly populated regions.







Youth unemployment accounts for income variation – especially in thinly populated regions

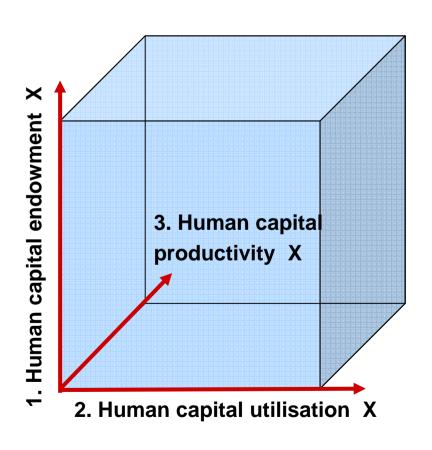


¹⁾ excluding ex-communist regions

²⁾ including two dummy variables indicating whether a region includes a capital or not and whether the region is in Northern Europe or in Continental Europe.



The four leading human capital indicators for regions



- the number of complex jobs in a region or city
- 2a) the number of jobs available for young people and the ease with which young people can find employment
- 2b) the ability to get the unemployed back to work (thereby avoiding high levels of longterm unemployment)
- 3) The intensity of investment in research and development and the volume of local patent applications, as a proxy for the "innovativeness" of the region.