



# Regional development – background thoughts

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# INNOVATION PERFORMANCE ACROSS EUROPE

Figure 26: Innovation performance in Europe

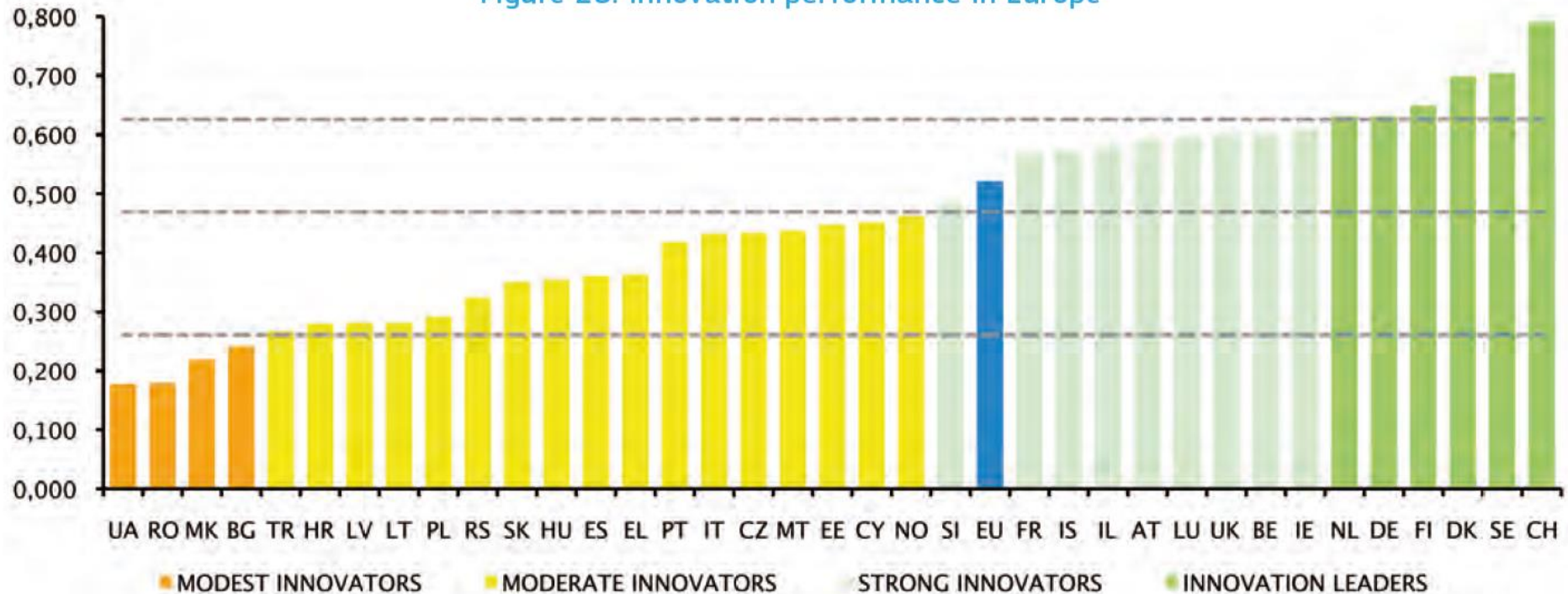
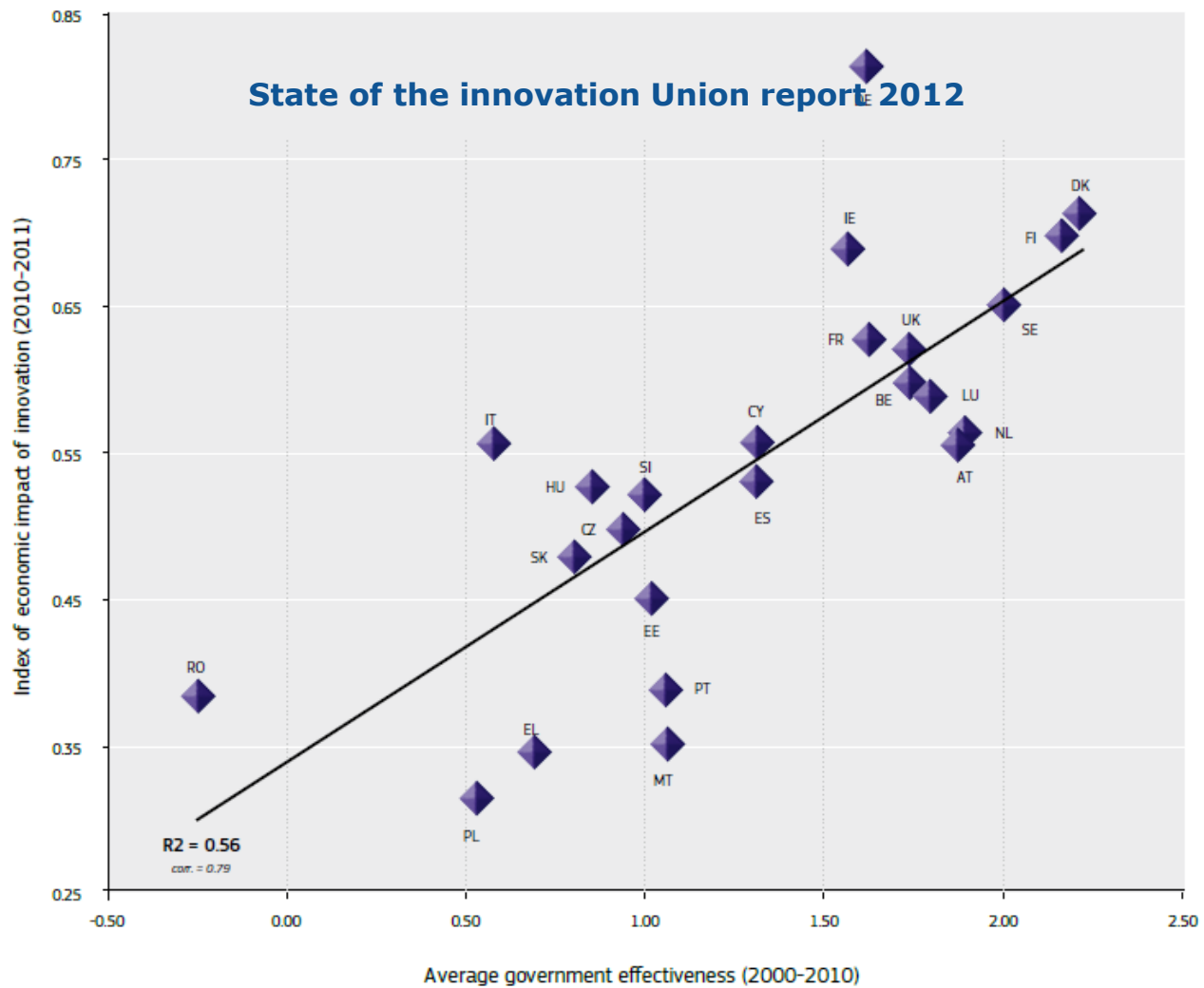
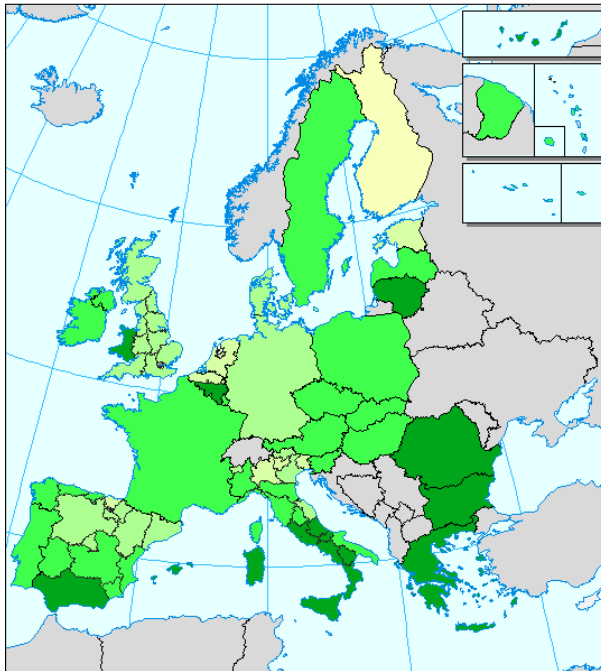




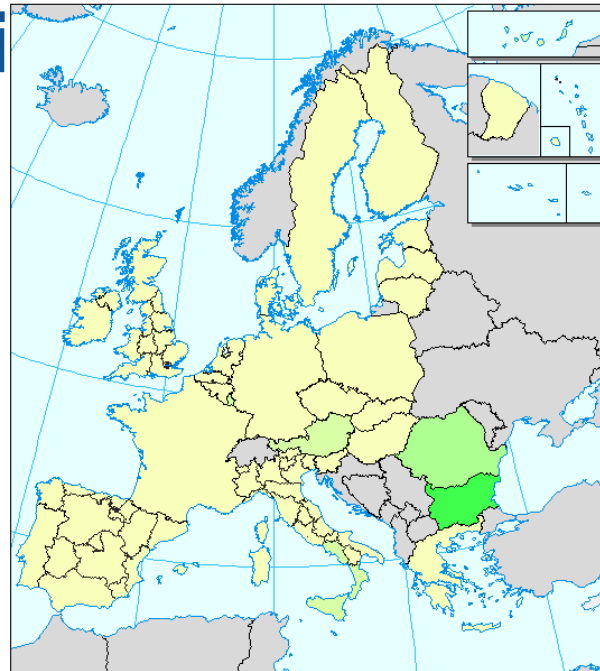
Figure 6 Government effectiveness and the economic impact of innovation



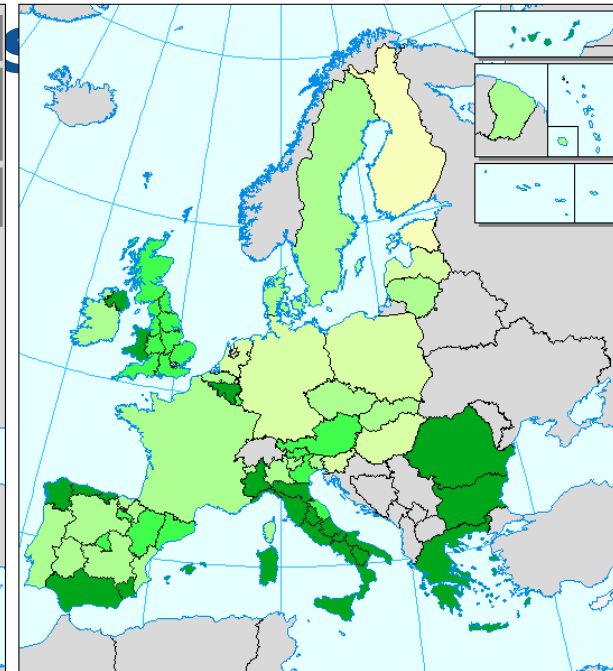
### Low achievers in mathematics, reading and science - 2009



Low achievers in mathematics

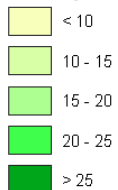


Low achievers in reading



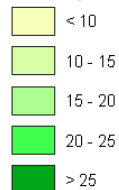
Low achievers in science

% of 15 year old pupils (level 1 or lower in mathematics)



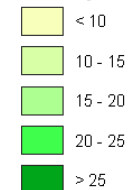
Source: OECD PISA

% of 15 year old pupils (level 1 or lower in reading)



Source: OECD PISA

% of 15 year old pupils (level 1 or lower in science)



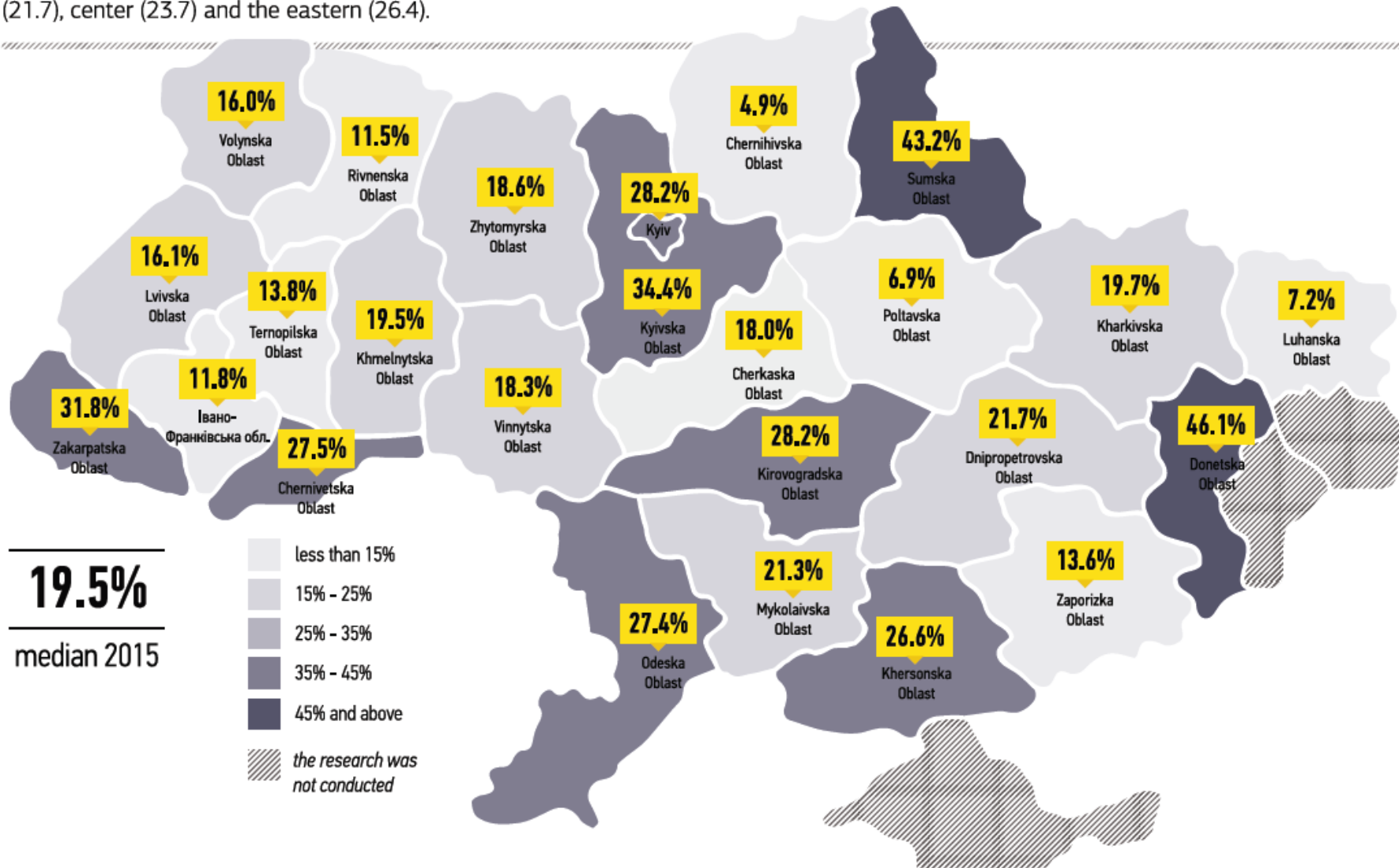
Source: OECD PISA

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# INDICES OF CORRUPTION: EXTORTION (2015)

The data of 2007 showed and all subsequent studies have confirmed the fact that extortion takes place much more often than voluntary bribery. In 2015, this ratio has increased slightly, and the average for all observed areas is 2.9 to 1. The median of the extortion experience index (CEI-E) has decreased from 25.3 to 19.5 since 2011. That is, if extortion of the bribe was associated with one in four official contacts four years ago, now it is one in five. On the average, bribes are somewhat less common in western oblasts (18.1) than in the southern (21.7), center (23.7) and the eastern (26.4).





# Reflections

**An innovation economy needs first of all honest and efficient public administration, and good education (school and vocational training) and little, but excellent public research.**

**Unfortunately, often emphasis on other measures.**

**Decentralisation as foreseen by Ukraine's leading experts provides the best ground for these fundamental factors to grow properly.**

**Advise – to work jointly with authorities of these foundations of regional/local development!**



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**Thanks!**