Central,
Eastern and
Southeastern Europe

Convergence: ARE WE THERE YET?



Laura Papi and Emil Stavrev IMF – Croatian National Bank Conference Dubrovnik, 11 July 2017



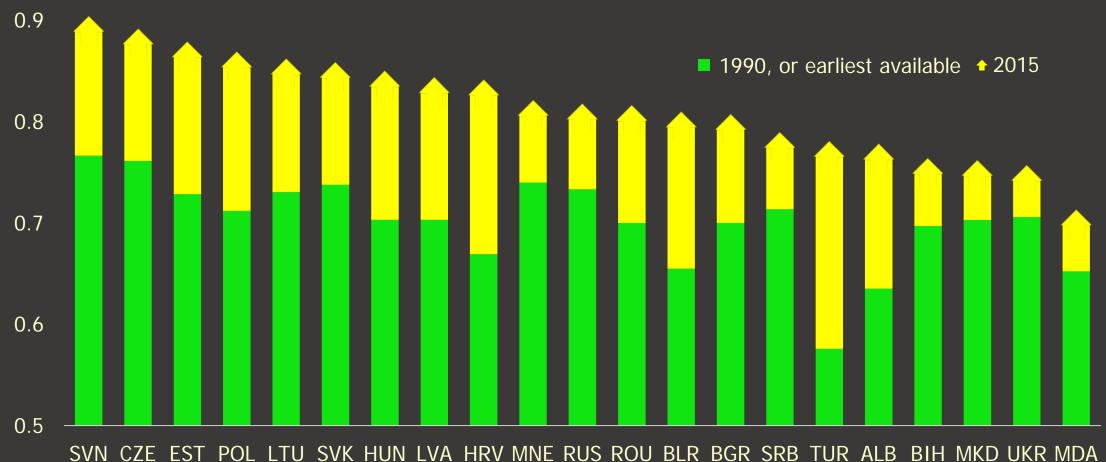




Substantial progress has been made since 1990

Human Development Index

(Index, 0 to 1)



Substantial income convergence has been achieved

PPP GDP per capita scompared to Germany's

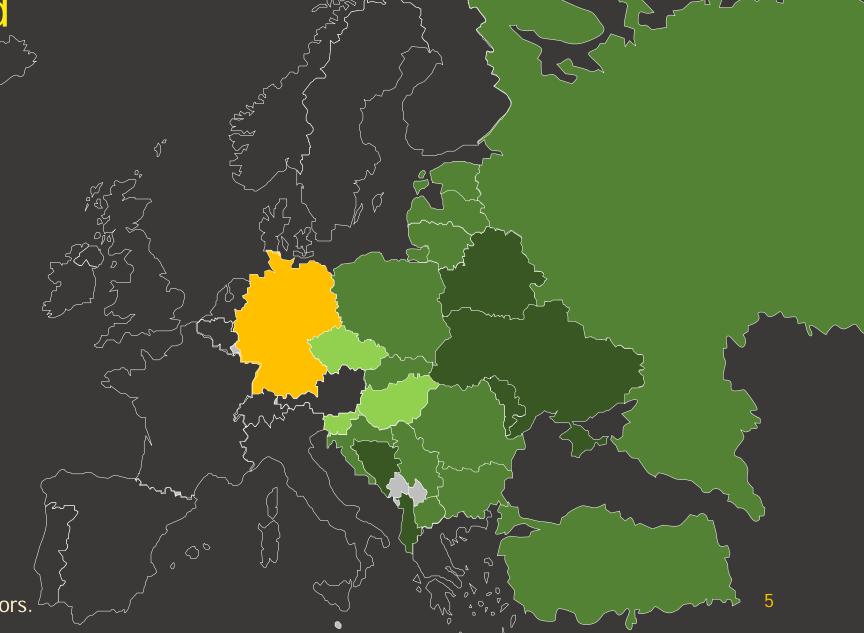
1995

Below 20 percent

Between 20 and 40 percent

Between 40 and 60 percent

Above 60 percent



Source: World Bank Development Indicators.

Substantial income convergence has been achieved

PPP GDP per capita compared to Germany's

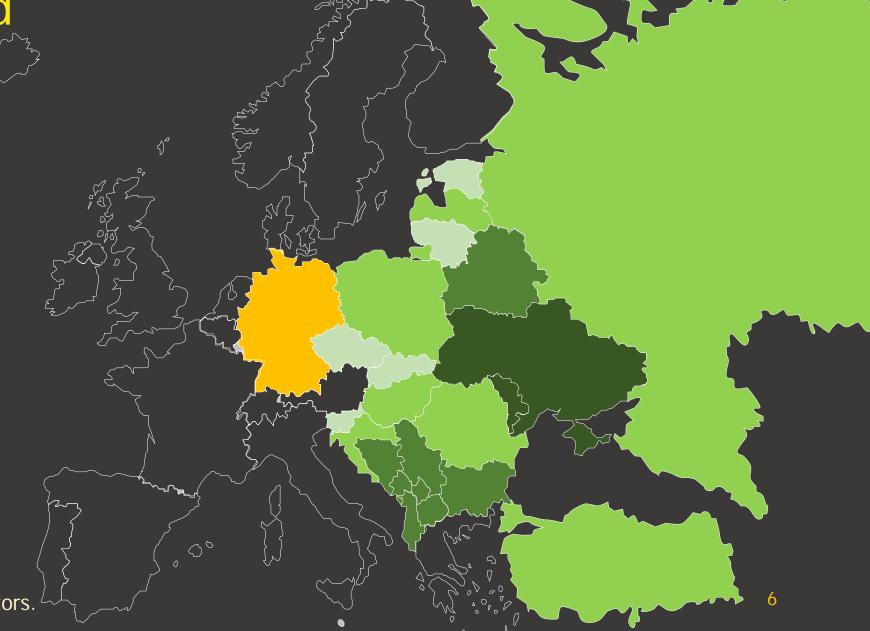
2015

Below 20 percent

Between 20 and 40 percent

Between 40 and 60 percent

Above 60 percent

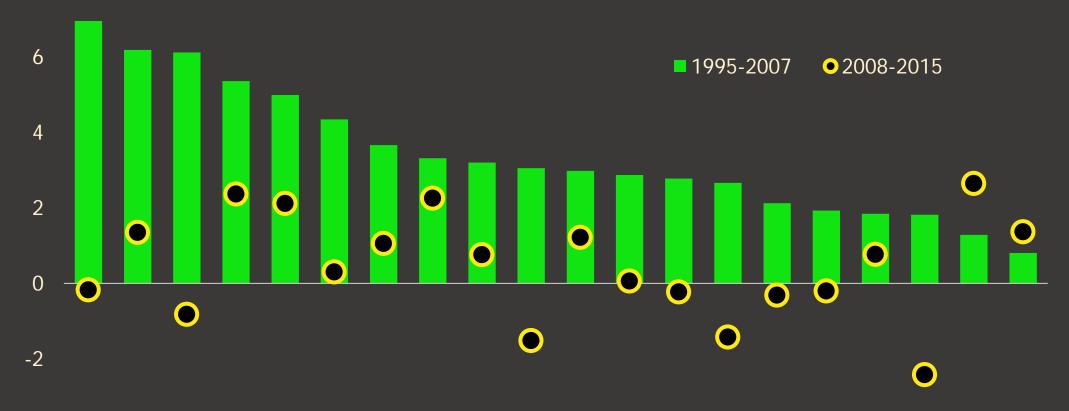


Source: World Bank Development Indicators.

But convergence has slowed. Some divergence

Growth Differential Before and After the Crisis

(Difference in average PPP GDP per capita growth with Germany)

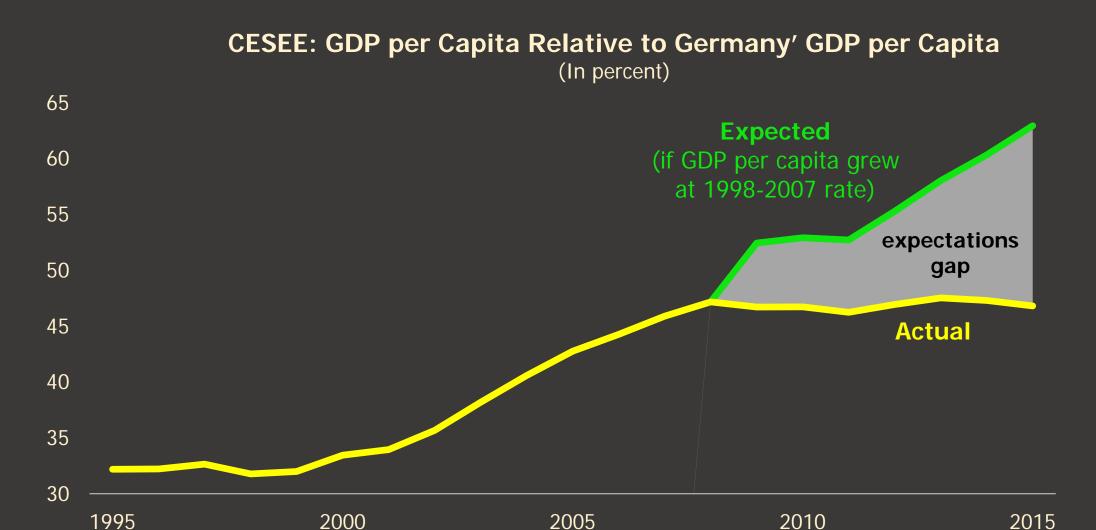


LVA LTU EST ALB BLR BIH SVK POL BGR HRV ROU SRB RUS SVN CZE HUN TUR UKR MDA MKD

Sources: World Bank Development Indicators; and IMF staff calculations.

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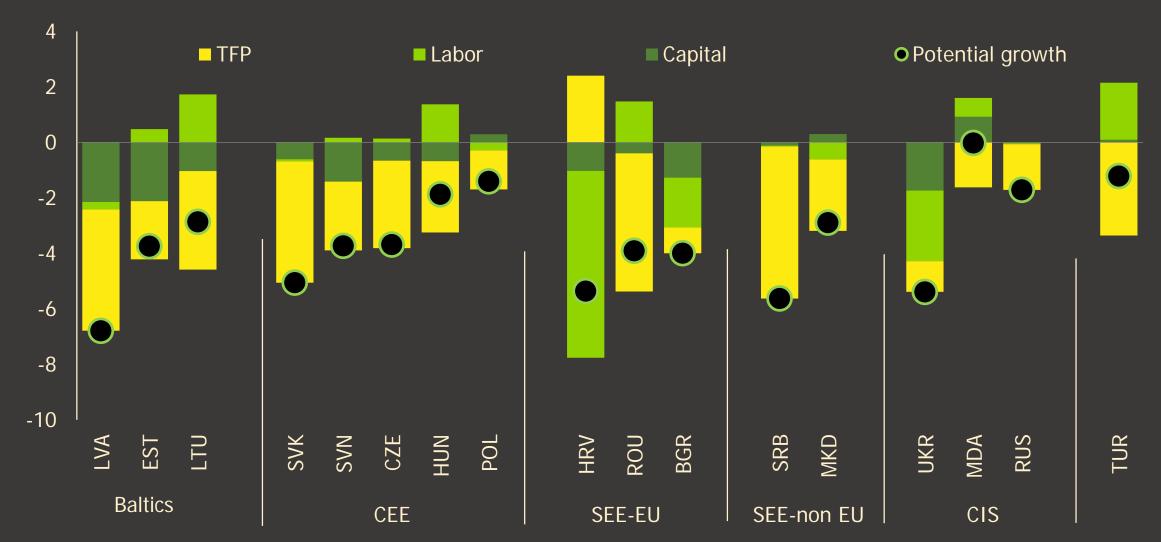
People have been disappointed



TFP behind the growth slowdown

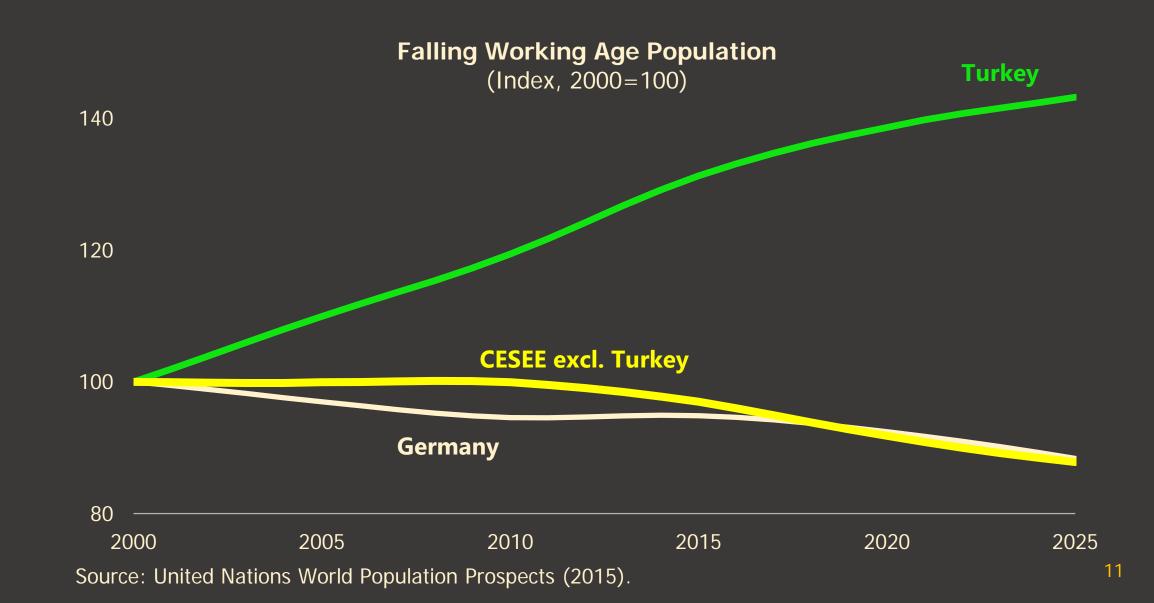
Change over 2013-15 versus 2002-08

(Percentage points)



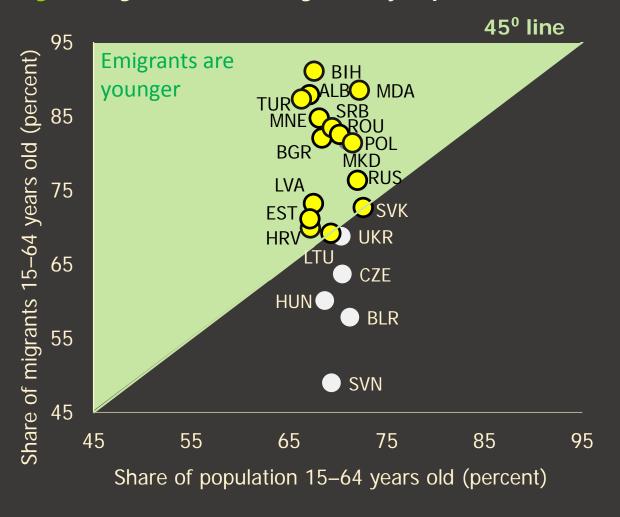


Major demographic headwinds ahead

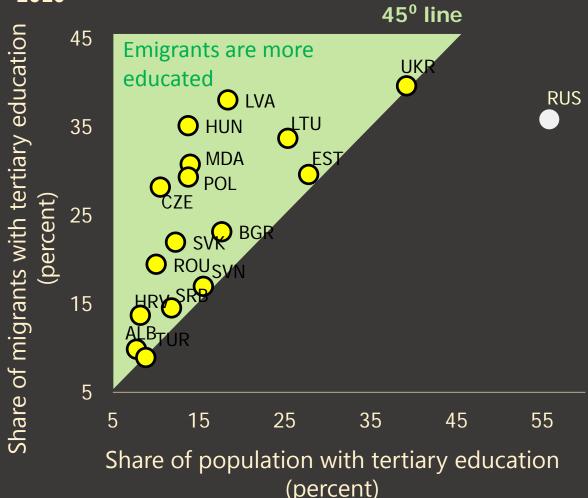


Will emigration continue?

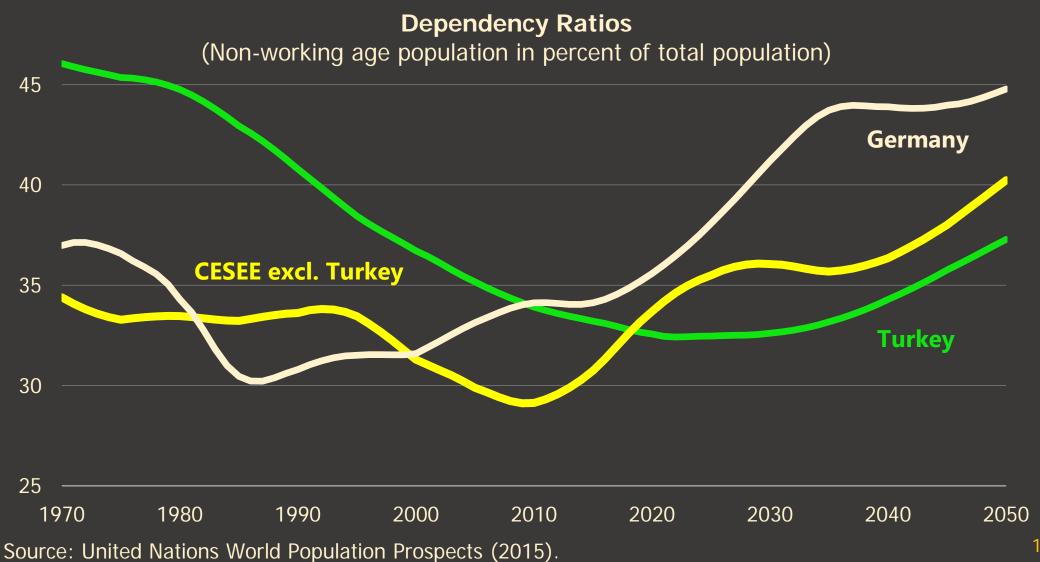
Age of Migrants and Sending Country Population, 2010



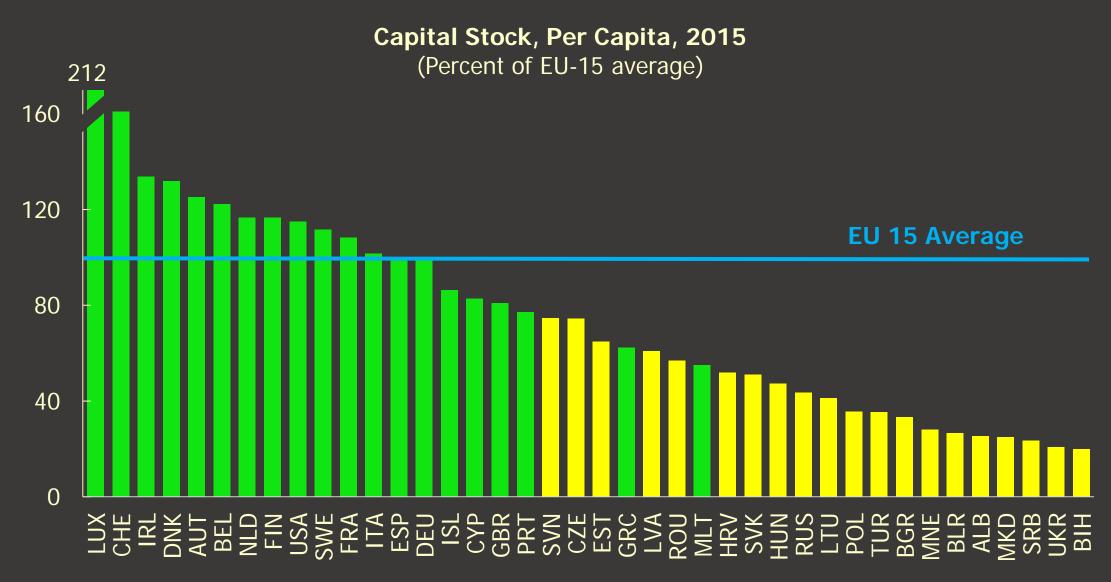




Rising dependency ratios lower saving



Investment is likely to remain weak

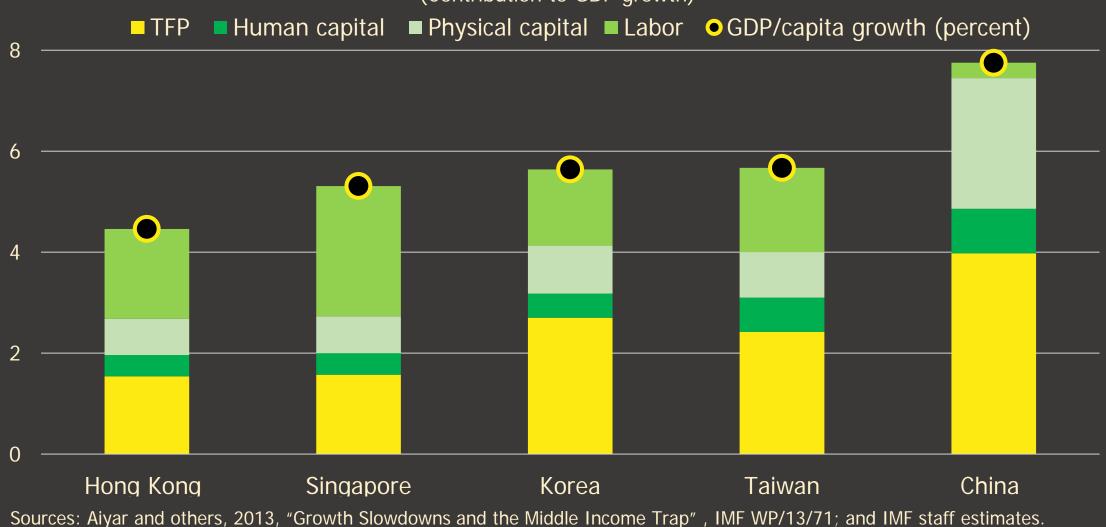




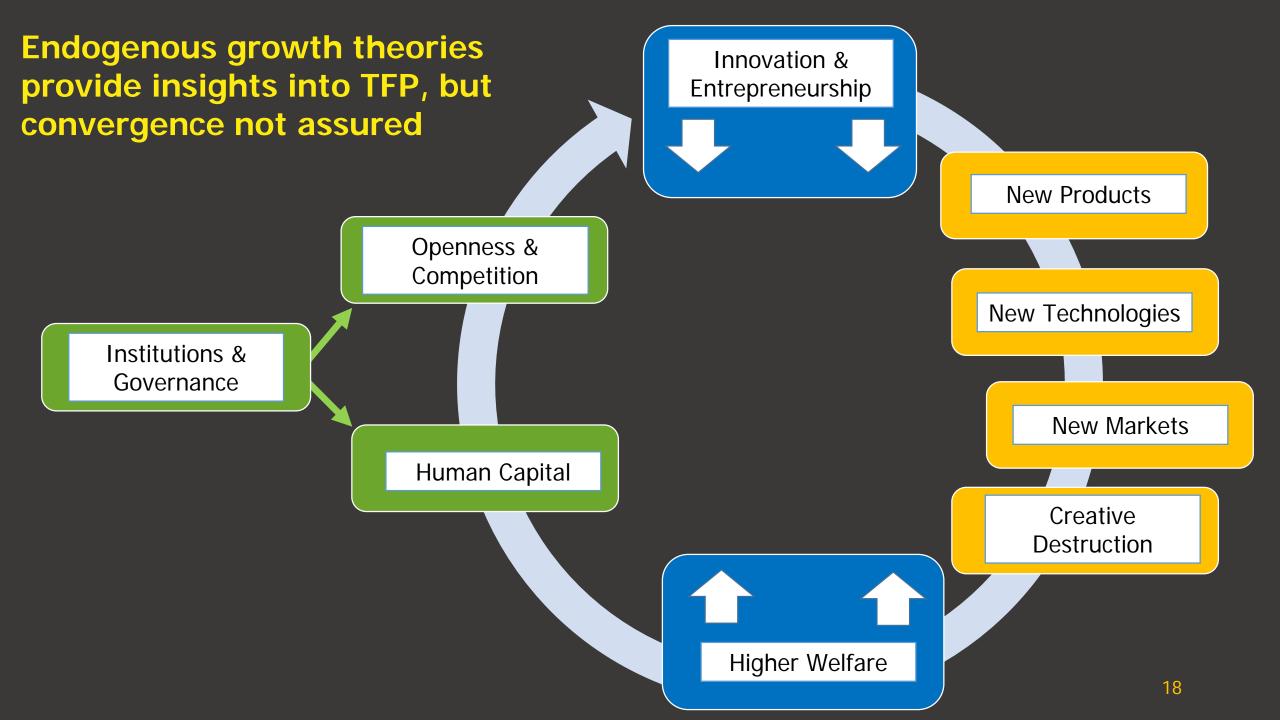
Sustained convergence requires robust TFP growth



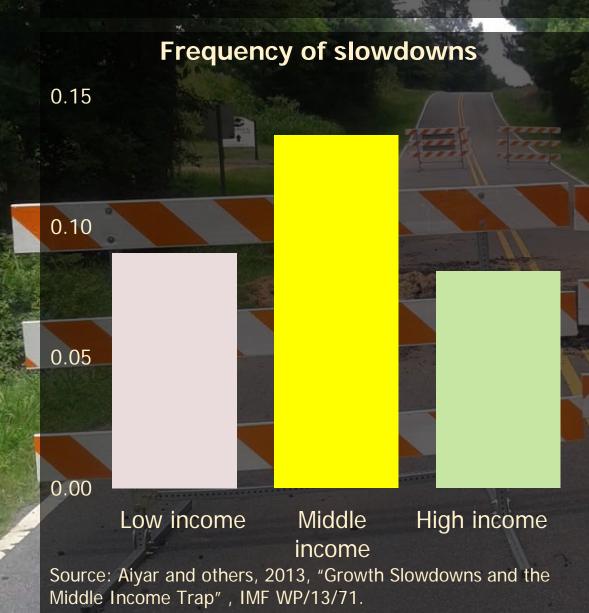
(Contribution to GDP growth)







IS THERE A MIDDLE INCOME TRAP?

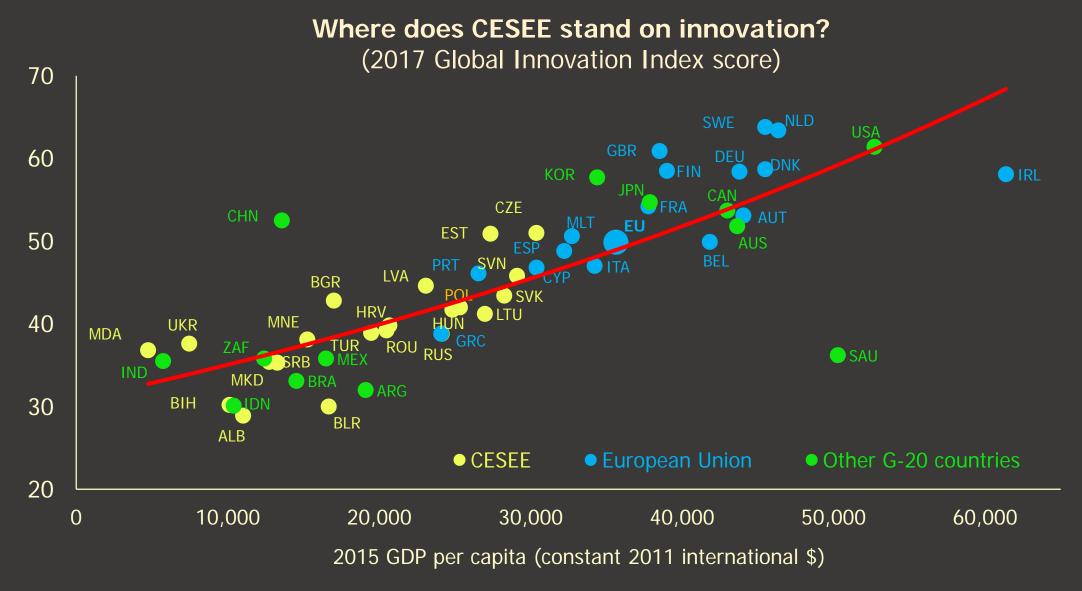




How to escape the middle income trap? Better governance can play a key role Rule of Law, Worldwide distribution, 2015 Lighter green is better Below 25 percentile Between 25 and 50 percentile Between 50 and 75 percentile Above 75 percentile

Source: World Justice Project.

The link between institutions and innovation

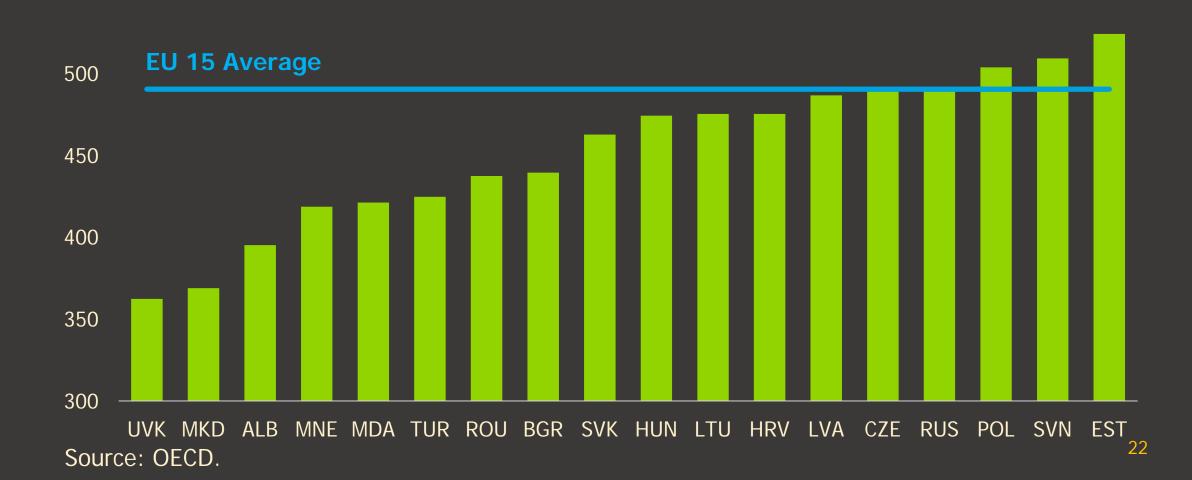


Sources: Global Innovation Index Report (2017); and World Bank Development Indicators.

Most of the region has a well educated labor force, which is more sensitive to institutions

PISA Scores, 2015

(average of math, science and reading scores; min score=320, max score=565)



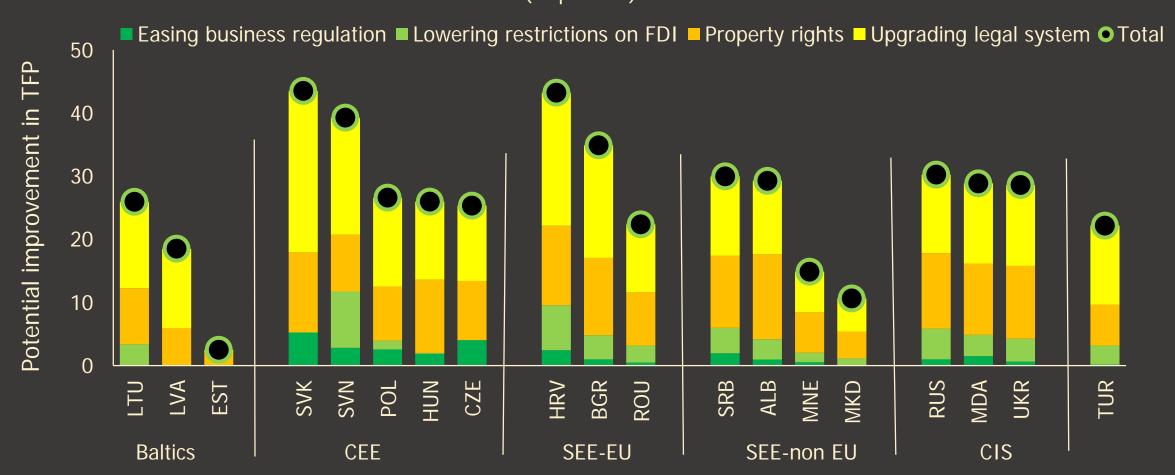
The importance of competition in fostering TFP



Source: World Economic Forum.

More effective legal systems key for moving to a higher growth trajectory

Potential Efficiency Gains from Structural Reforms (In percent)



Key messages

A lot of progress achieved, but convergence not assured

Strong demographic headwinds ahead

Productivity growth needed for higher incomes

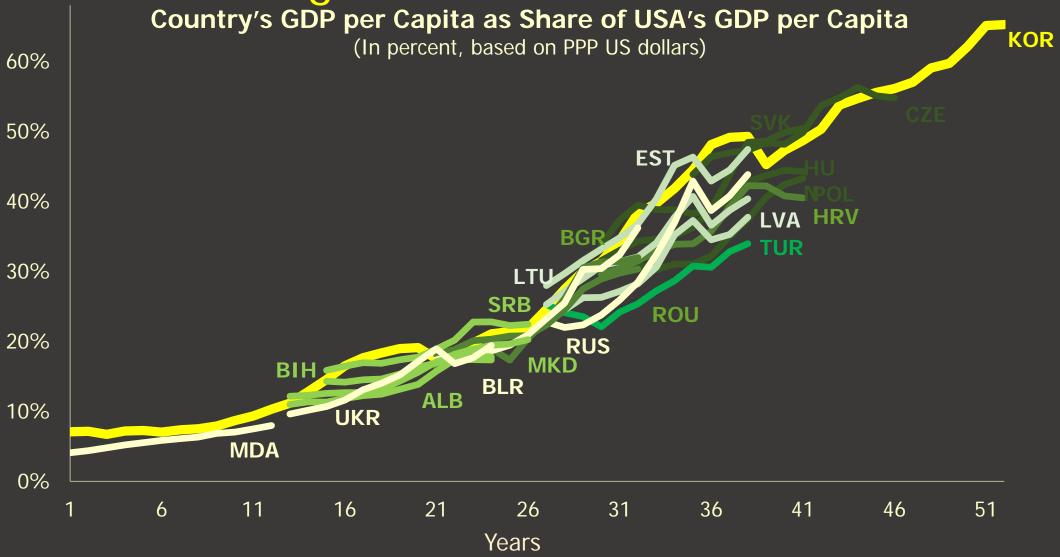
Better governance and institutions key to increasing productivity and spurring innovation

Retaining/attracting skilled workers and fostering competition are the main economic channels through which governance helps



Additional Slides

CESEE: Convergence

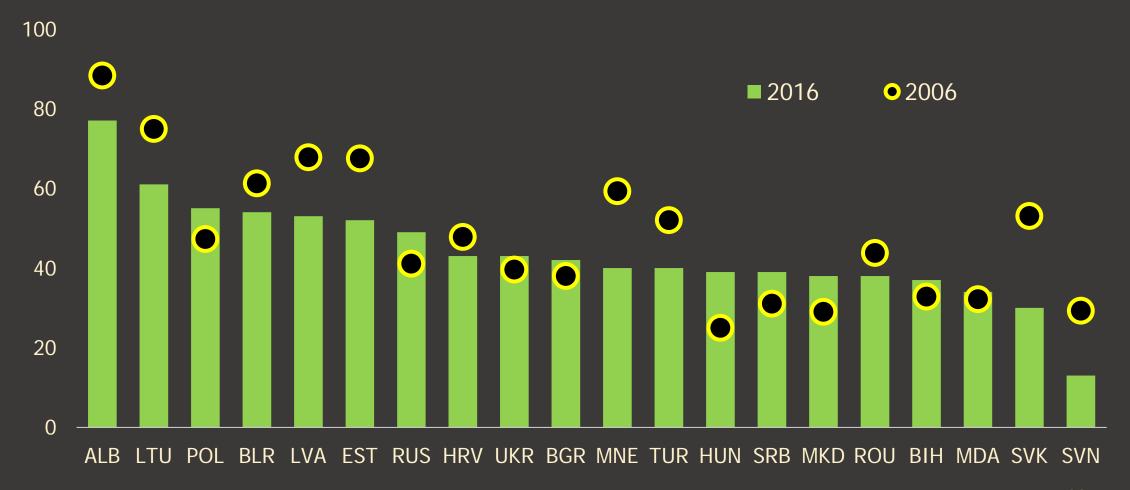


Sources: Penn World Tables, Version 8.1, Haver, and IMF staff.

Note: Each short line represents the transition path of a CESEE country over 2000-2011. The position of each CESEE line shows how its transition path compared to Korea's, when Korea was at the similar level of development. The x-axis represents years of Korea's transition from 1960 to 2011.

People have mixed expectations about the future

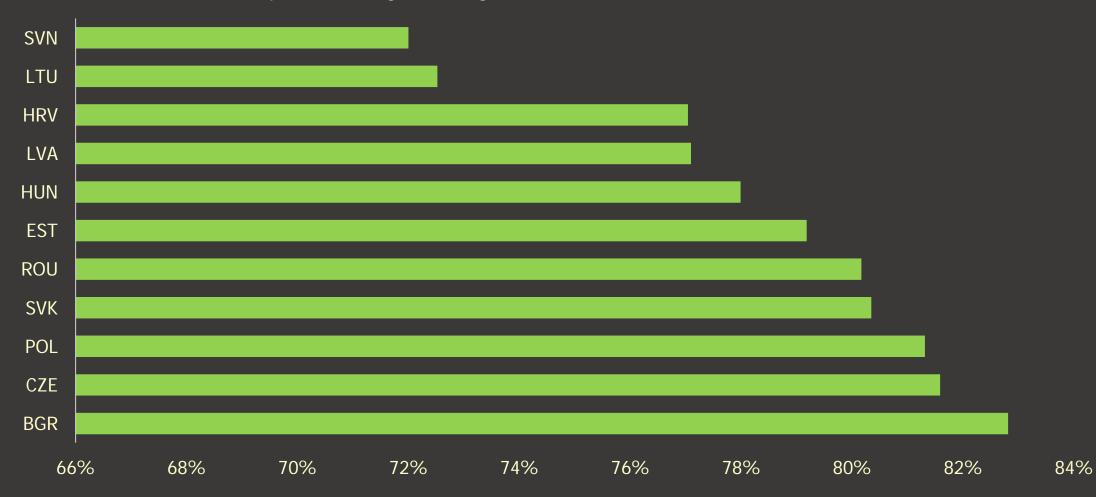
Will future generations have a better life than the current generation? (Percent of respondents who agree)



Investment

Reported Adequacy of Investment in the Last 3 Years

(Percent of all firms who report investing about right or more)



Source: European Investment Bank.