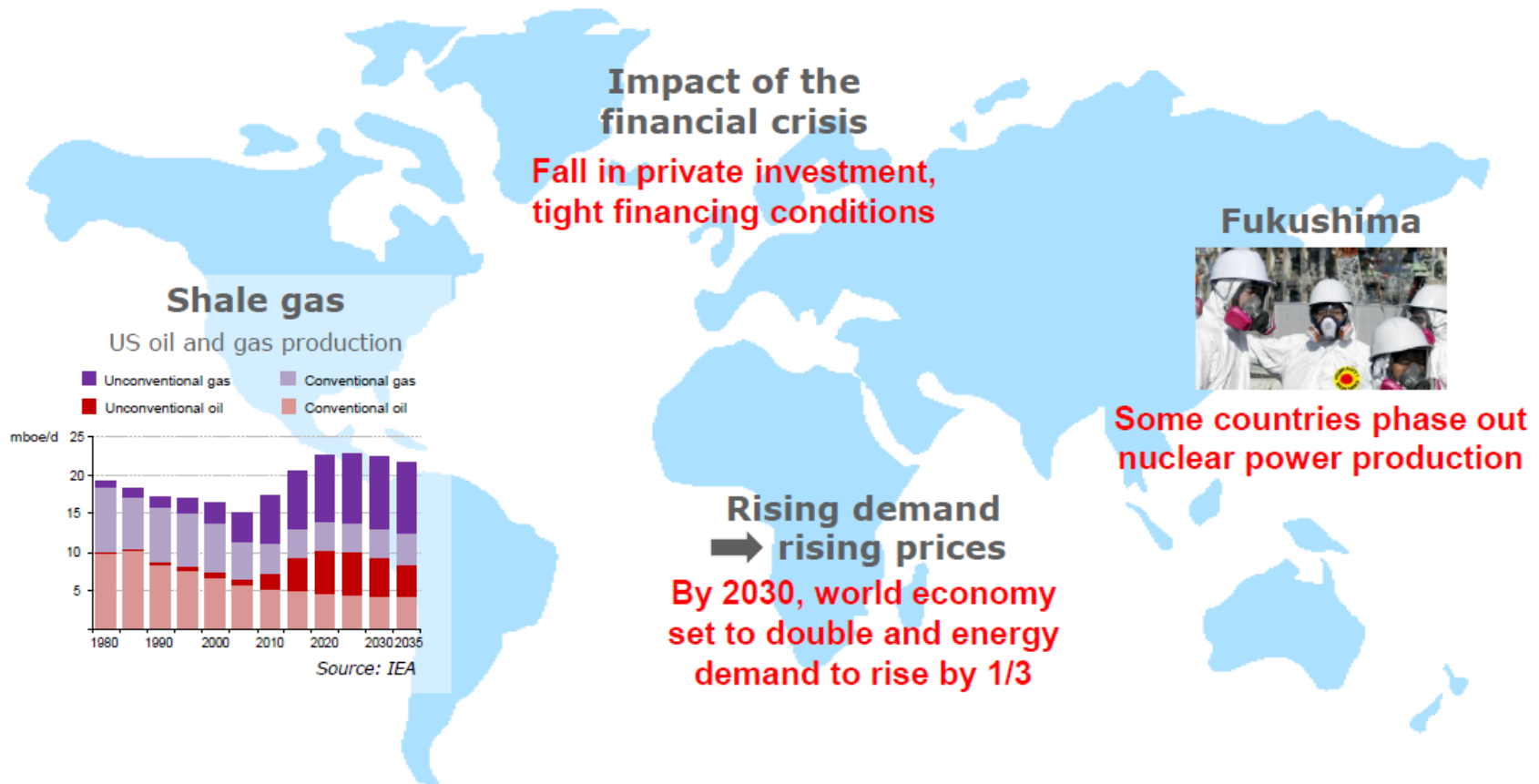


New aspects in European energy policy and their implementation on regional level

Inge Bernaerts
Directorate General for Energy
European Commission

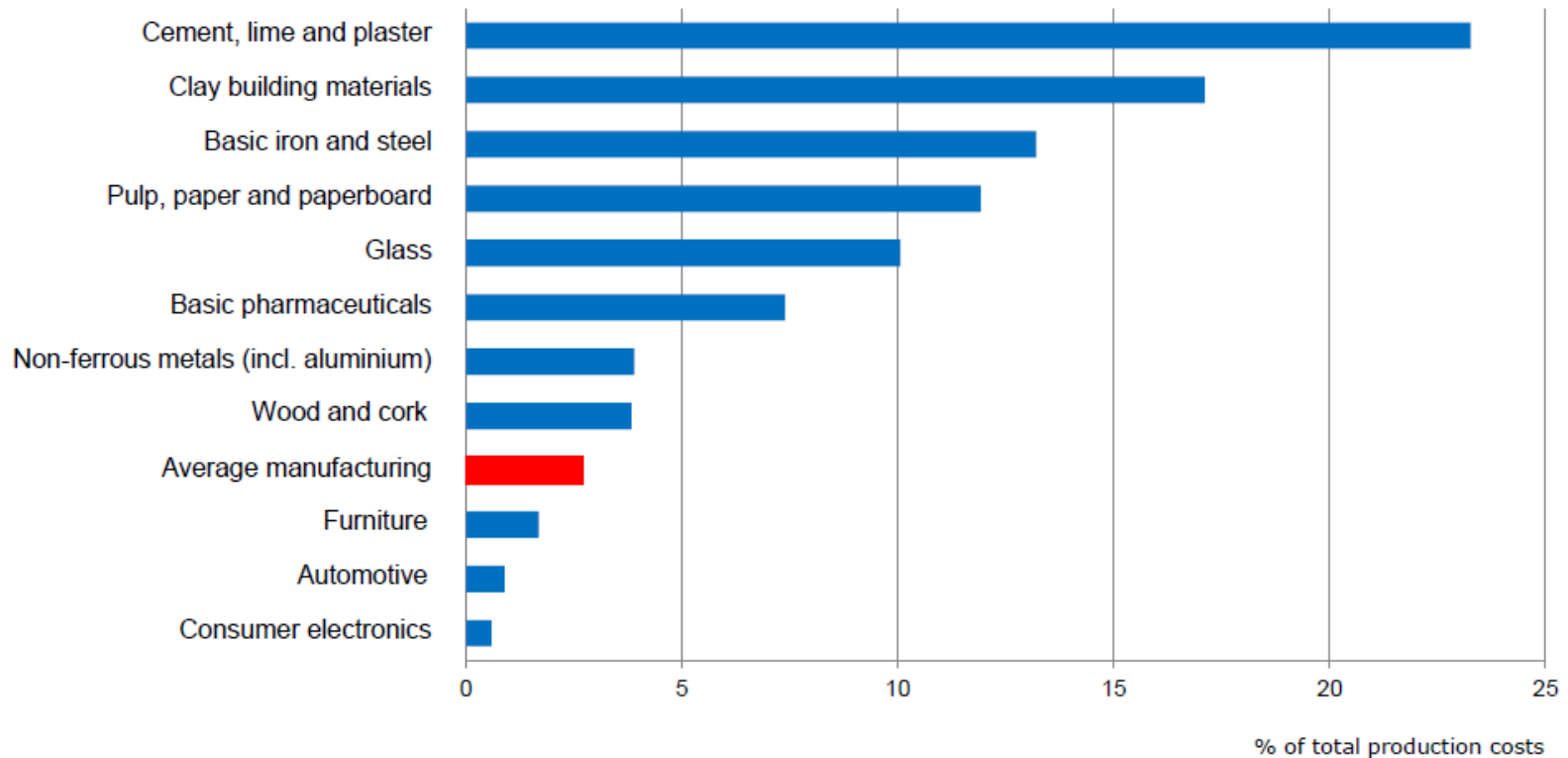


New realities in the global energy market



Energy-intensive industries are most exposed

Share of energy in % of production costs – selected sectors in Germany (2010)

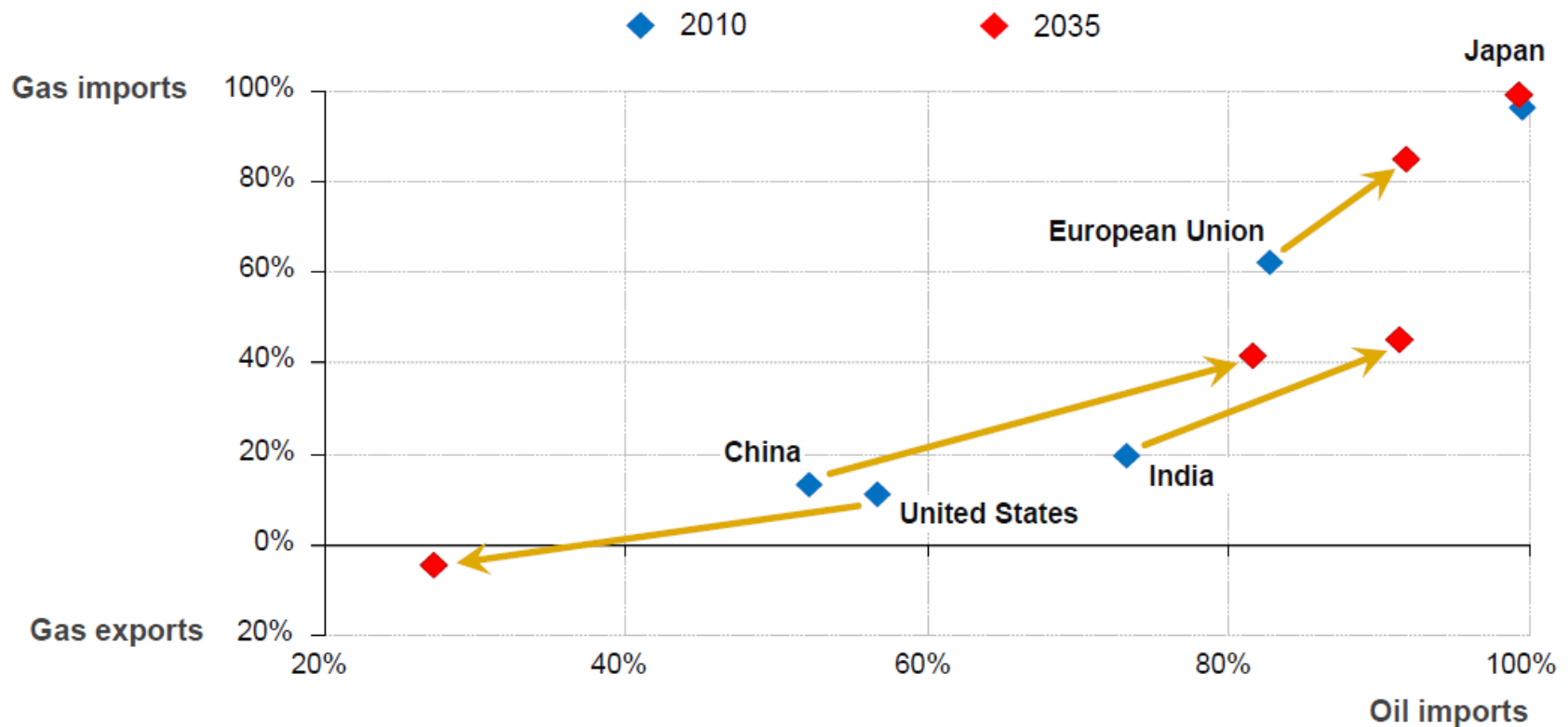


% of total production costs

Source: European Commission

Europe's dependence is set to increase

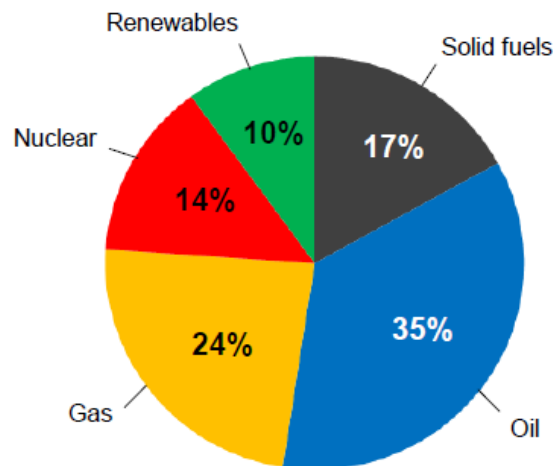
Net oil and gas import dependence by region



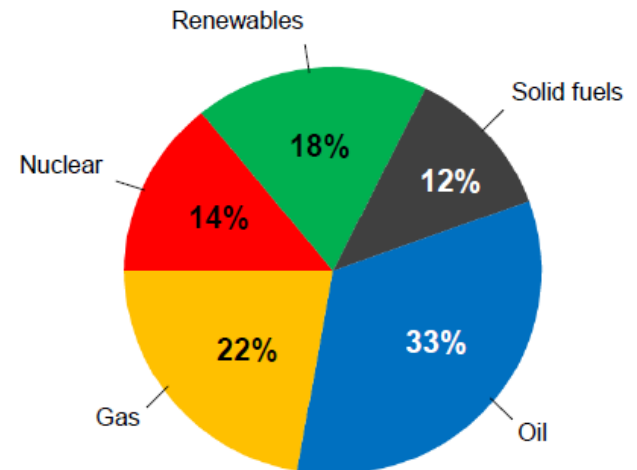
Source: IEA

Our energy mix will evolve

**EU gross inland consumption
2011**

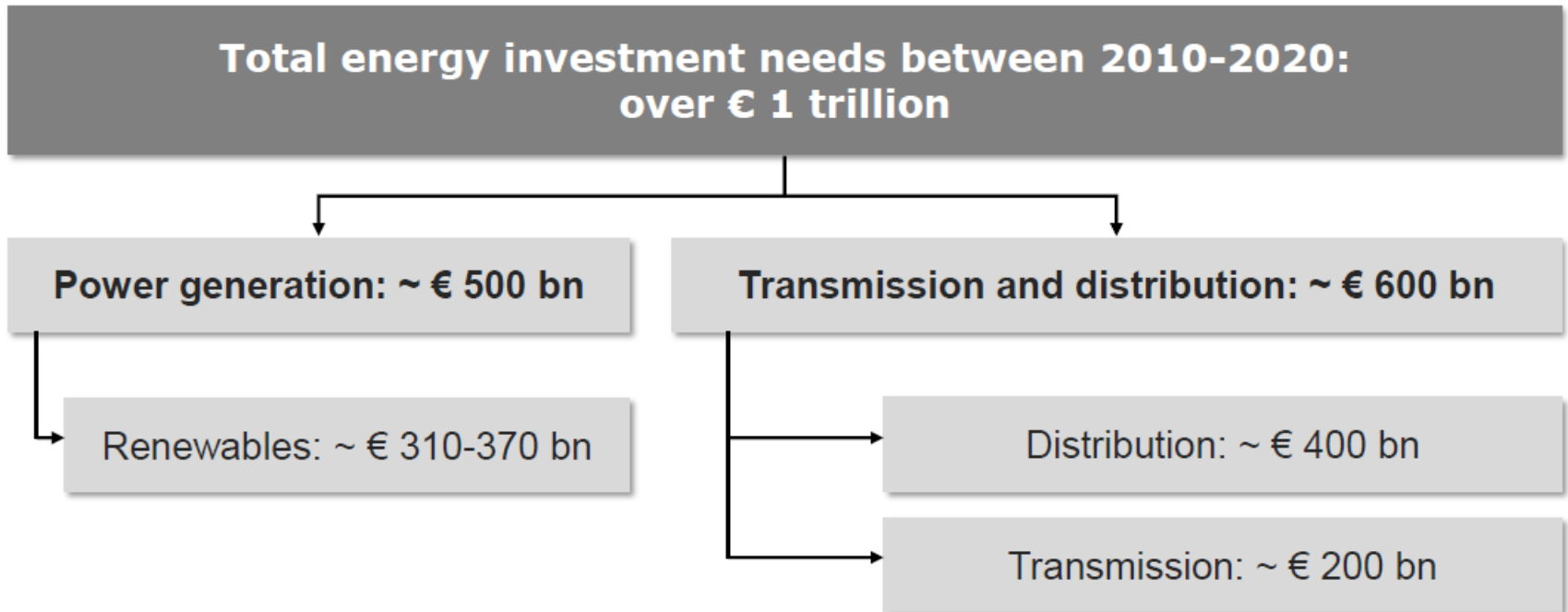


**EU gross inland consumption
2030 (scenario)**



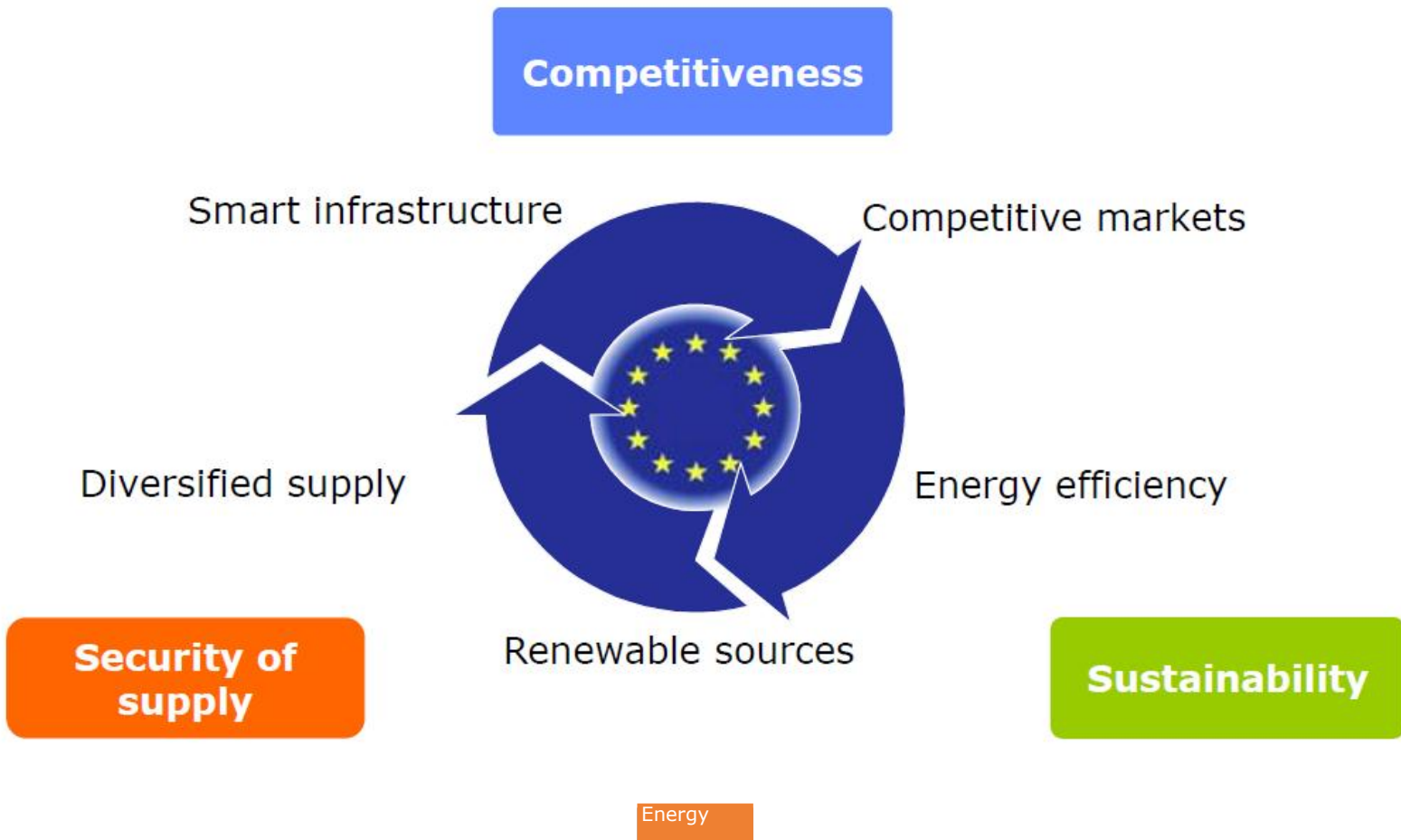
Source: European Commission

Massive investments are required



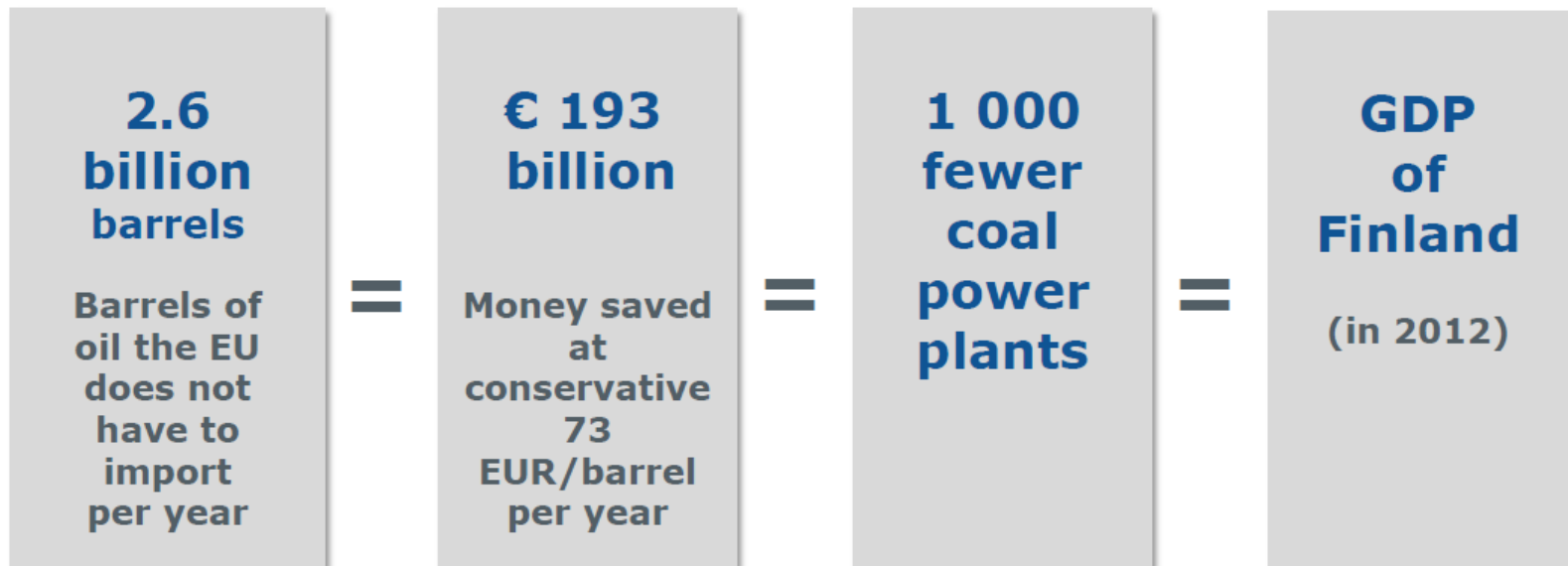
Source: European Commission

A "no regrets" scenario for Europe



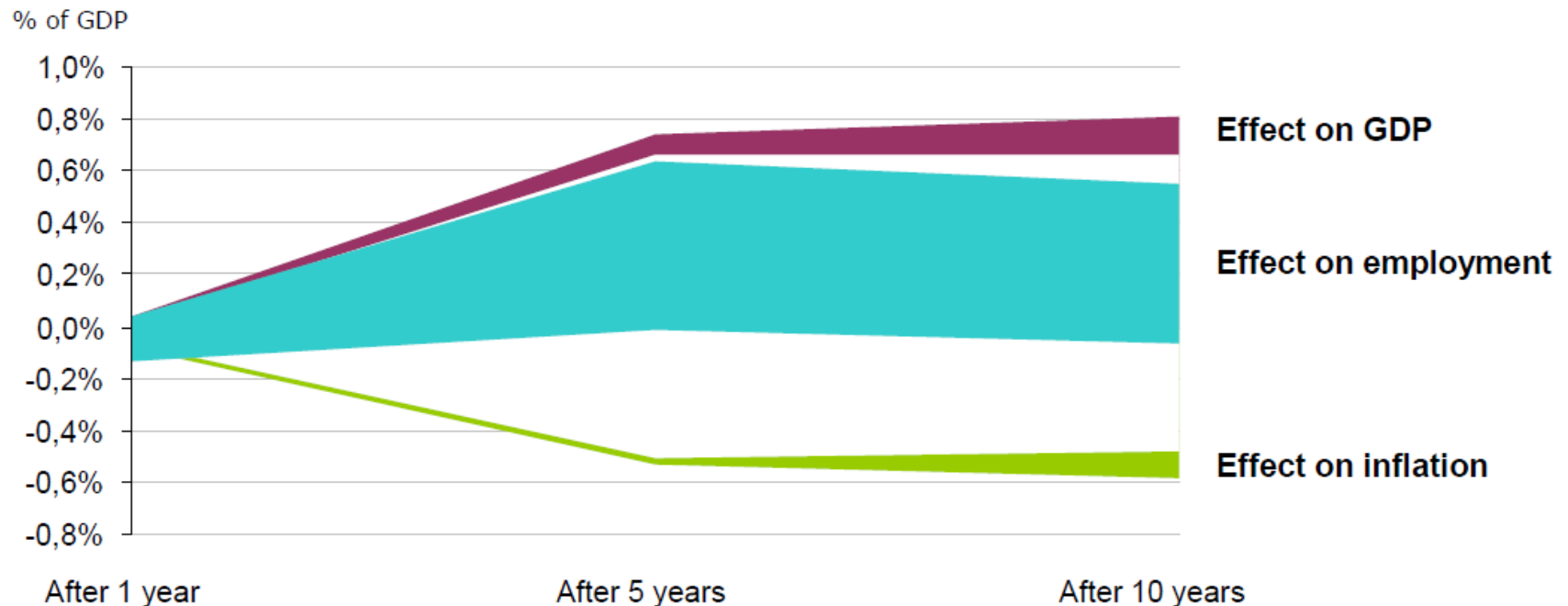
Priority 1. Boosting energy efficiency

Benefits of EU energy savings target of 20% by 2020



Priority 2. Completing the internal energy market

Estimated effects of opening gas & electricity markets (in % of GDP - ranges)



Priority 3. Better interconnected and smarter infrastructure used in a cost-effective way

In electricity...



...and in gas



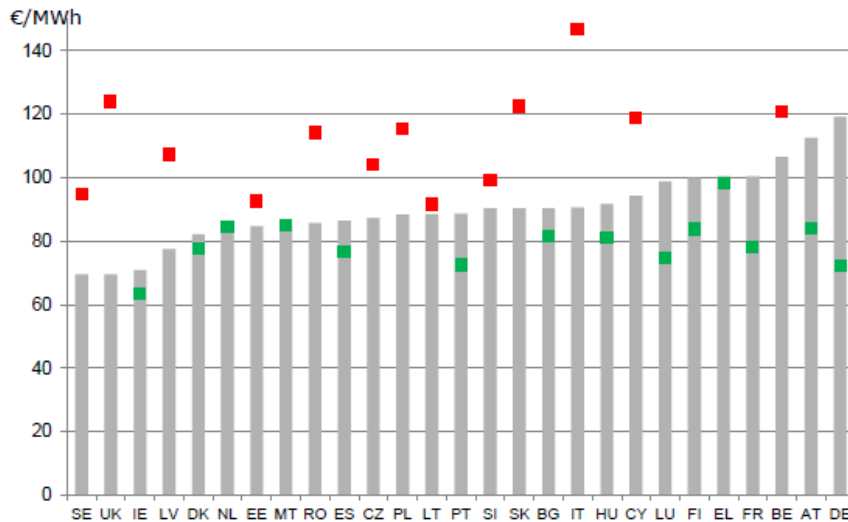
Priority 4. Cost-effective use of renewable sources

Production costs versus subsidies for renewables

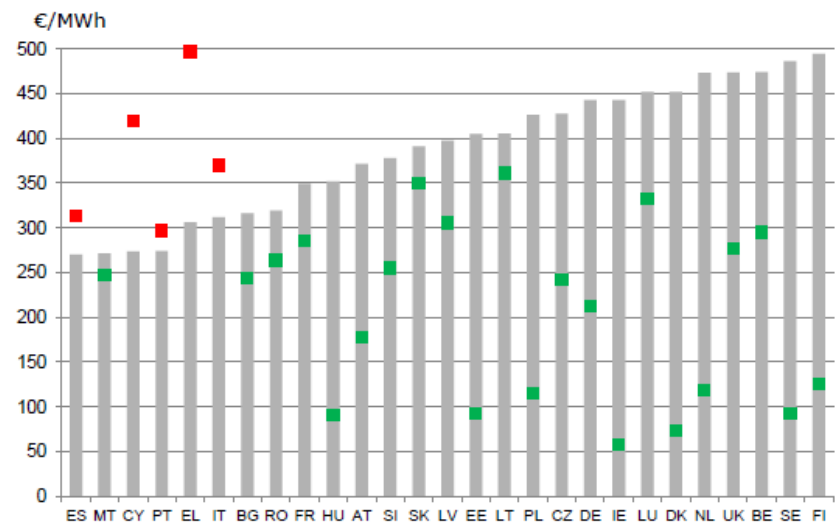
(averages, in €/MWh, latest year available)

■ Production costs
 ■ Subsidies over production costs
 ■ Subsidies below production costs

Wind energy on-shore



Solar energy (photovoltaics)



Priority 5. The external dimension

Corridor opening (2018 - Shah Deniz II)

— Trans-Adriatic Pipeline — South-Caucasus Pipeline — TANAP





European
Commission

Thank you for your attention

