



European
Commission



2030

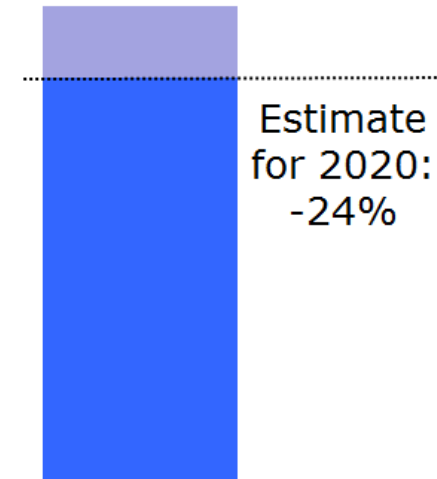
FRAMEWORKfor**CLIMATE&ENERGY**

#EU2030

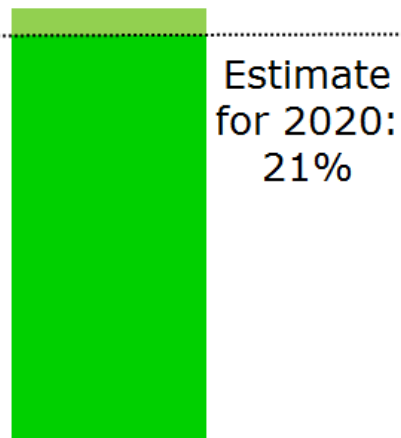
Agnès Thibault
European Commission
DG ENER A1

Trends towards the EU's climate and energy targets for 2020

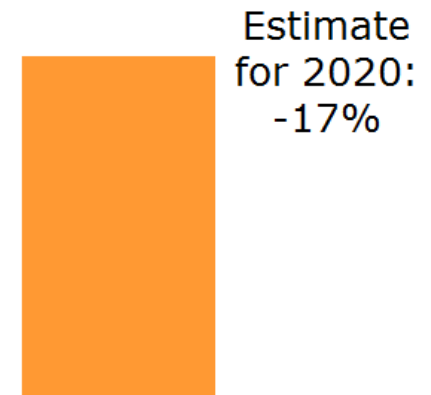
**Reduce greenhouse
gas levels by 20%**



**Increase share of
renewables to 20%**



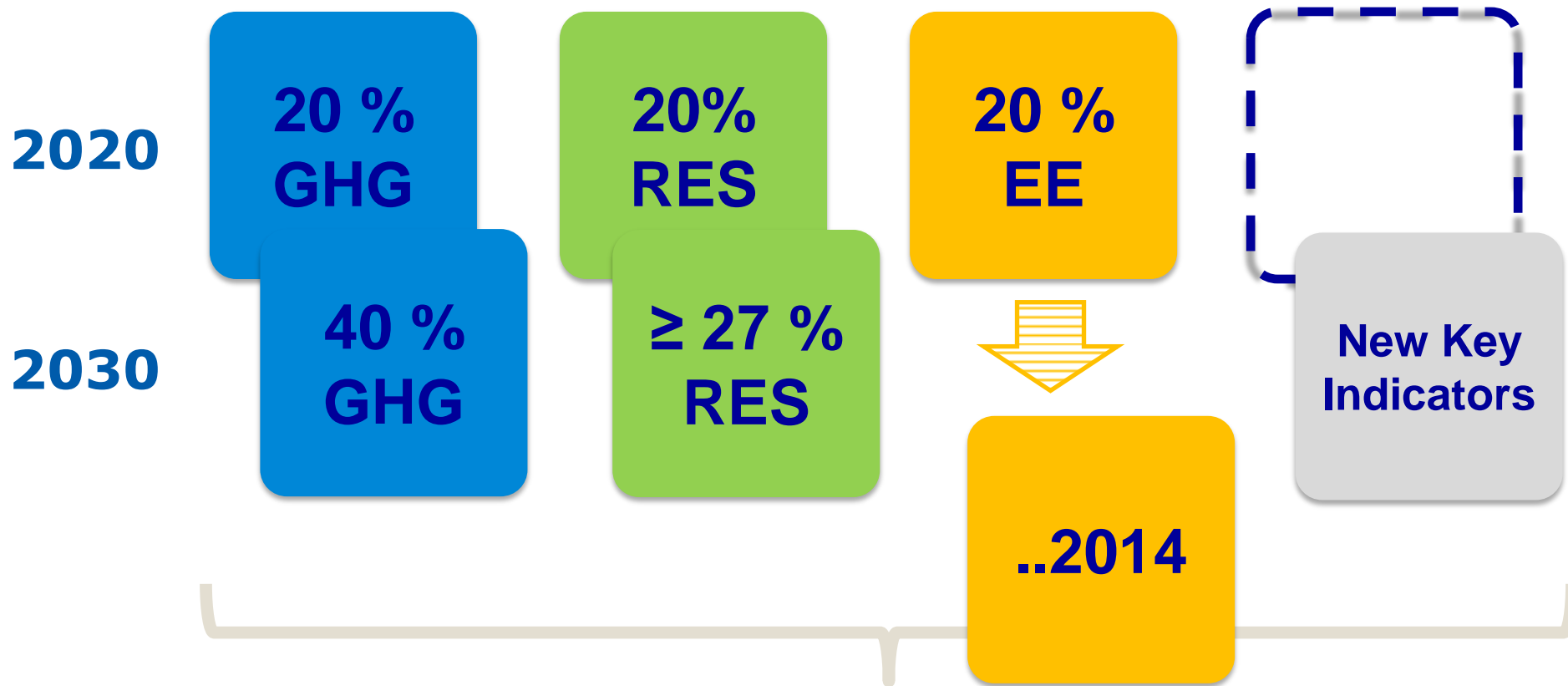
**Reduce energy
consumption by 20%**





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2030 Climate and Energy Framework

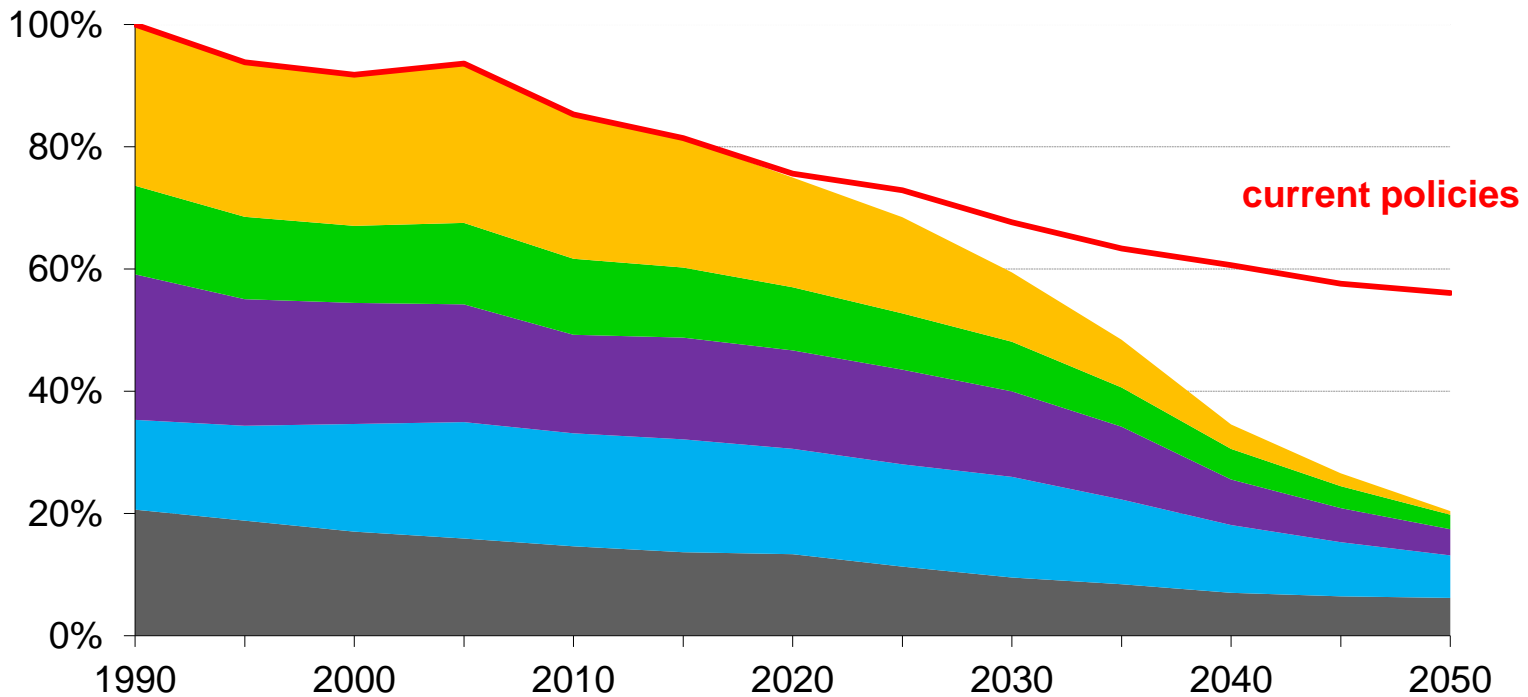


New governance system

40% GHG is a milestone towards decarbonisation

Share of Green House Gas emissions per sector

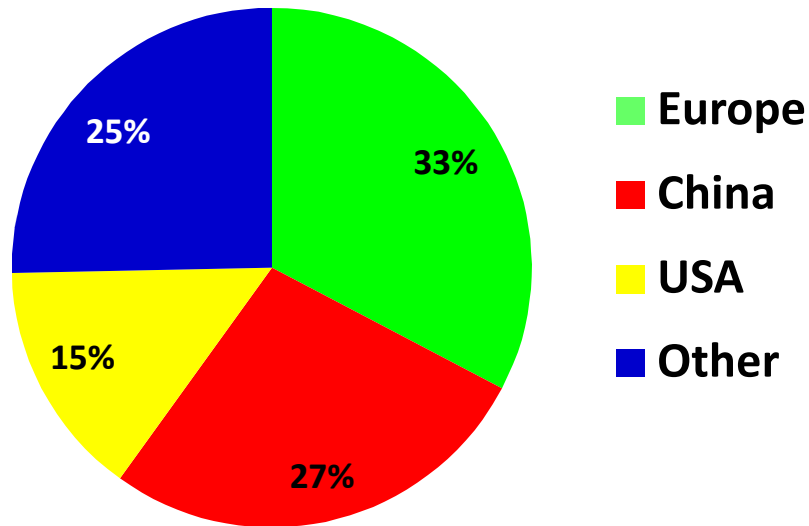
- CO₂ power sector
- CO₂ heating buildings
- CO₂ industry
- CO₂ transport
- Other greenhouse gases



Source: European Commission

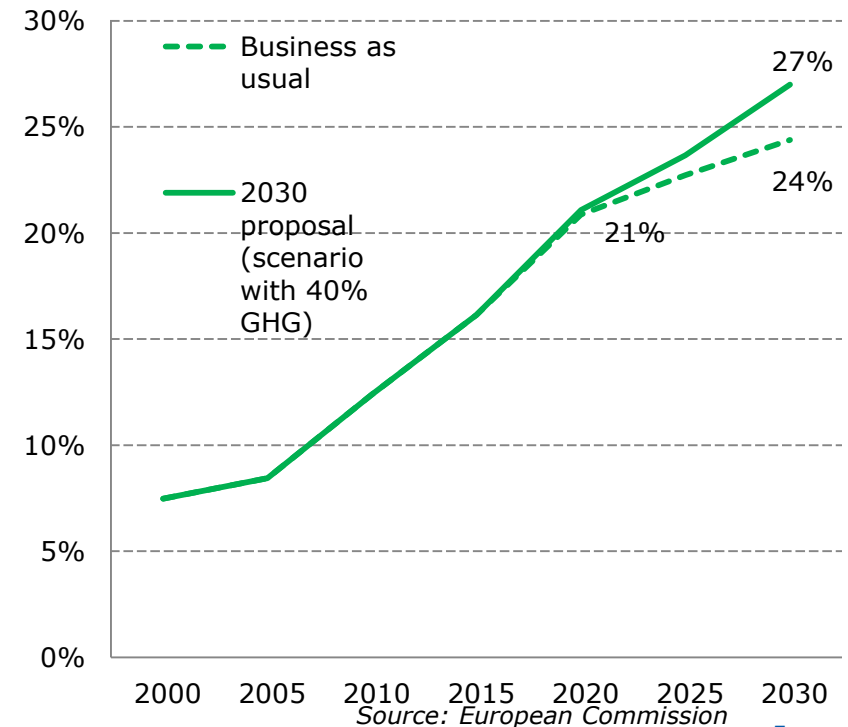
Maintaining our leadership on renewables

Share of global investment in renewable energy, 2013



Share of renewables in the EU 2000-2030

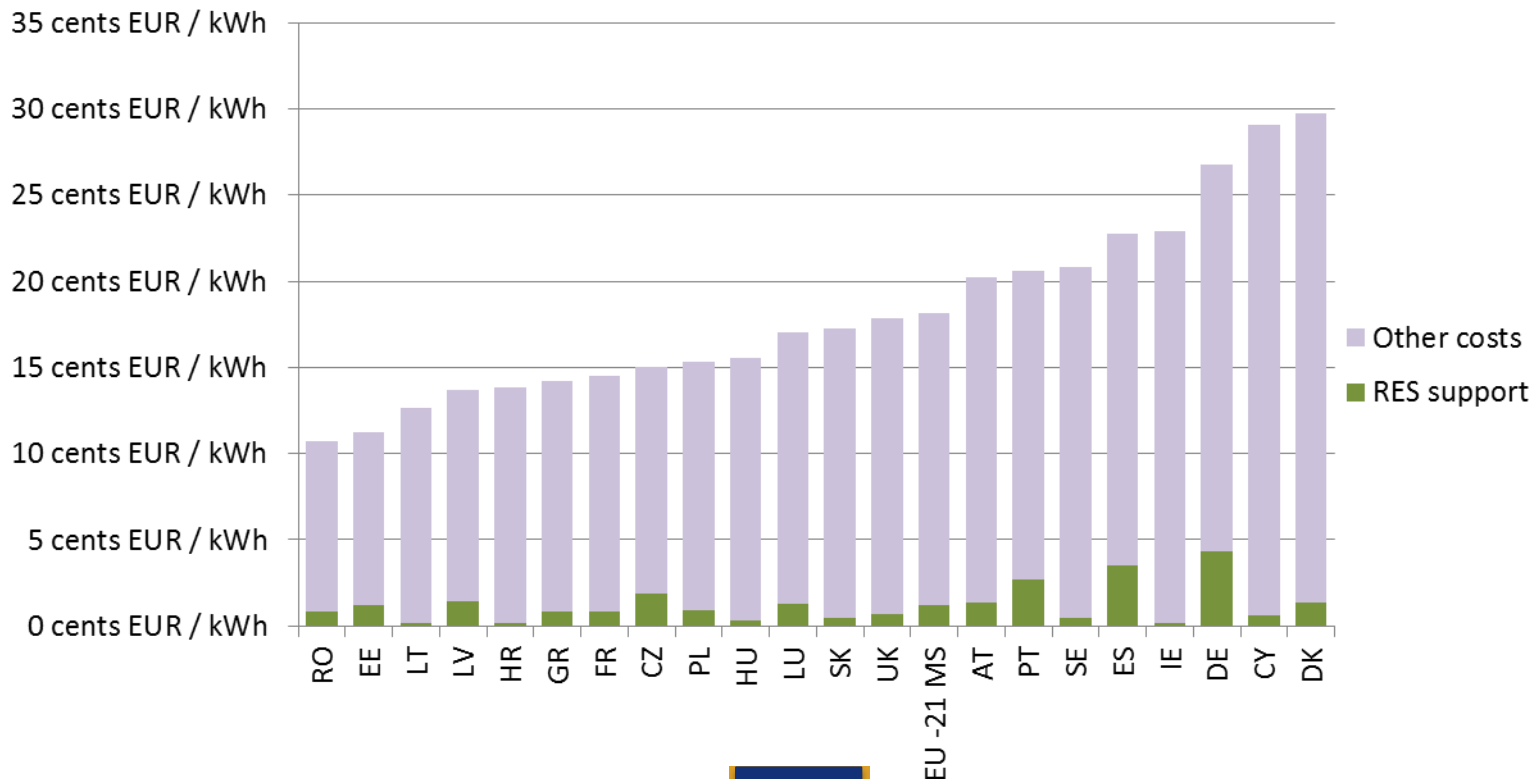
(in % of energy consumption)



Support for renewable energy is varying among Member States

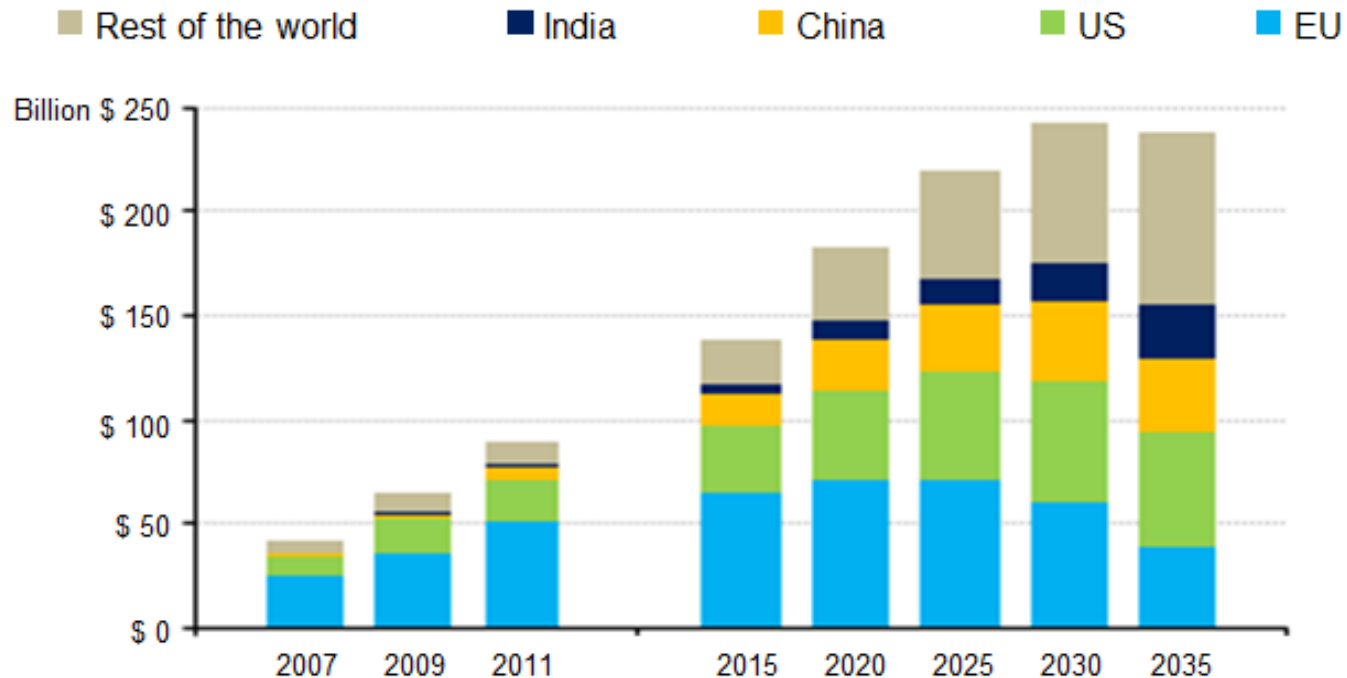
Electricity prices, median household consumers, 2012

Source: ESTAT, Commission calculations



Support for renewable energy is increasing across the world

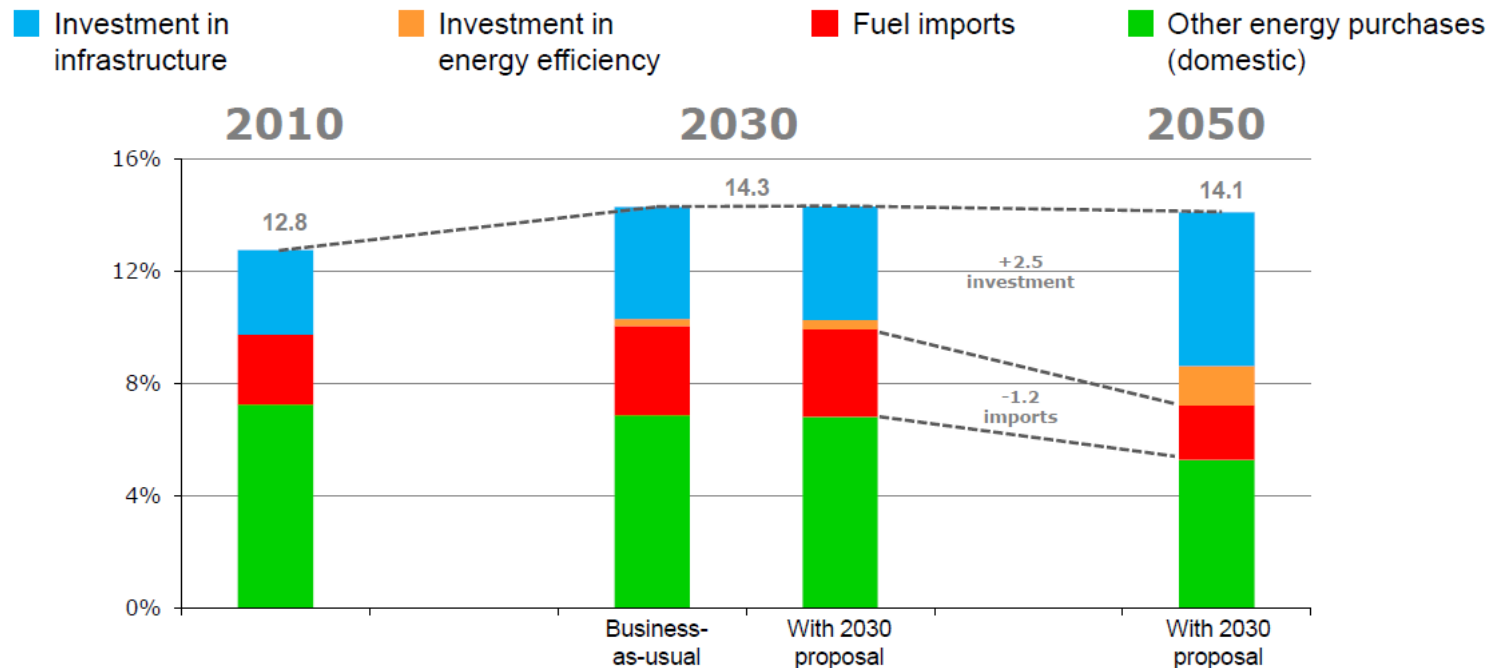
Global renewable subsidies by region



Source: International Energy Agency

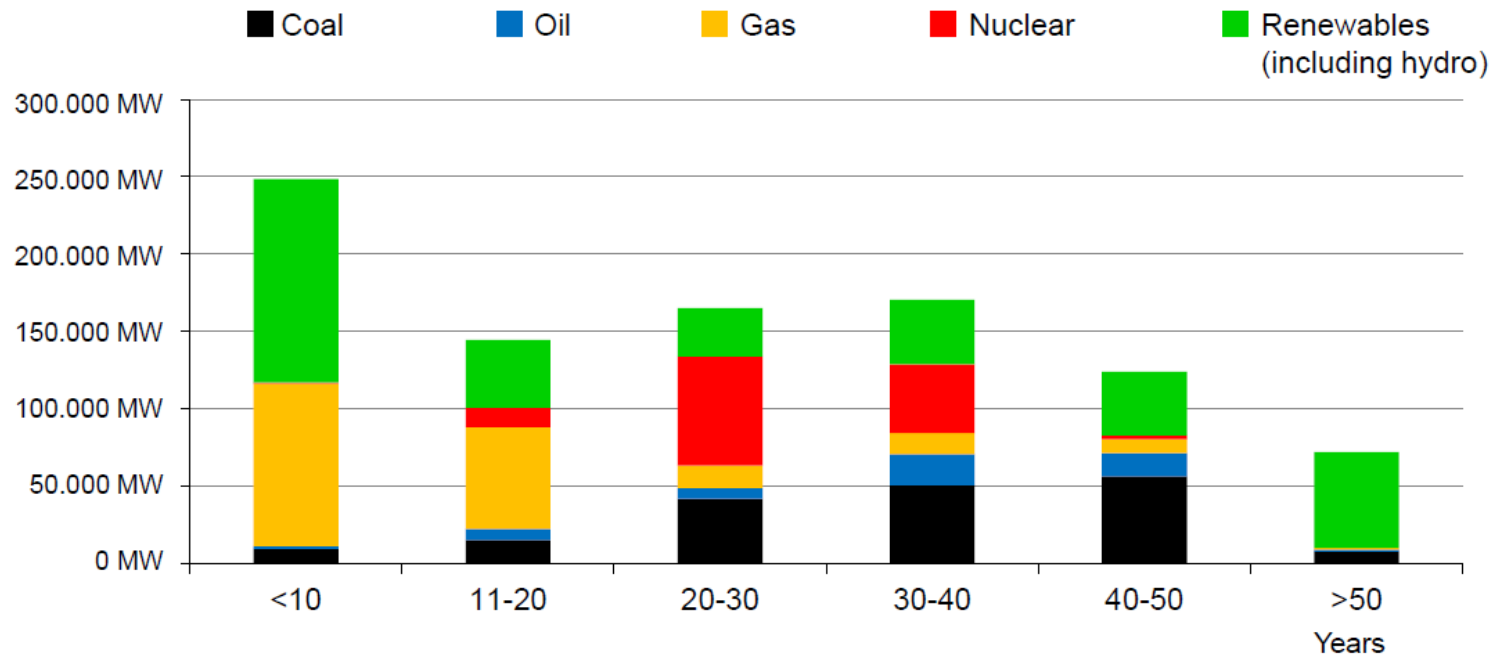
Energy costs to rise in all scenarios... but more investments and less imports

Energy costs, broken down by components (annual average in % of GDP)



45% of our power generation capacity is more than 30 years old

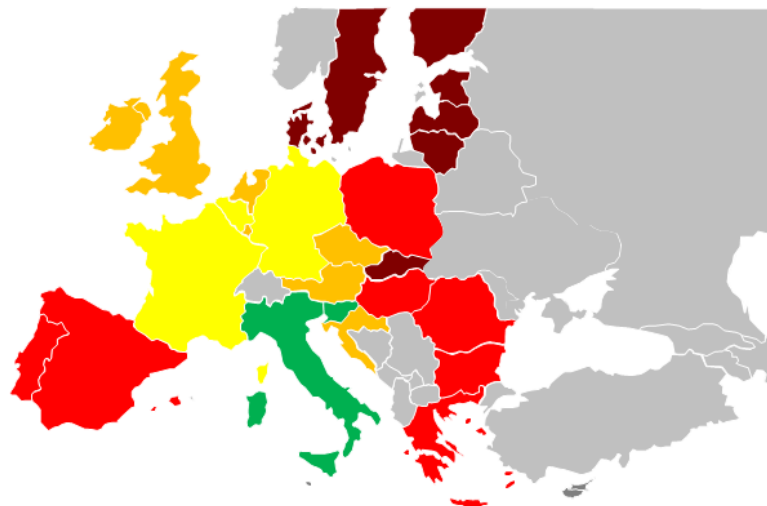
Age of power generating capacities in the EU in 2013 (in years)



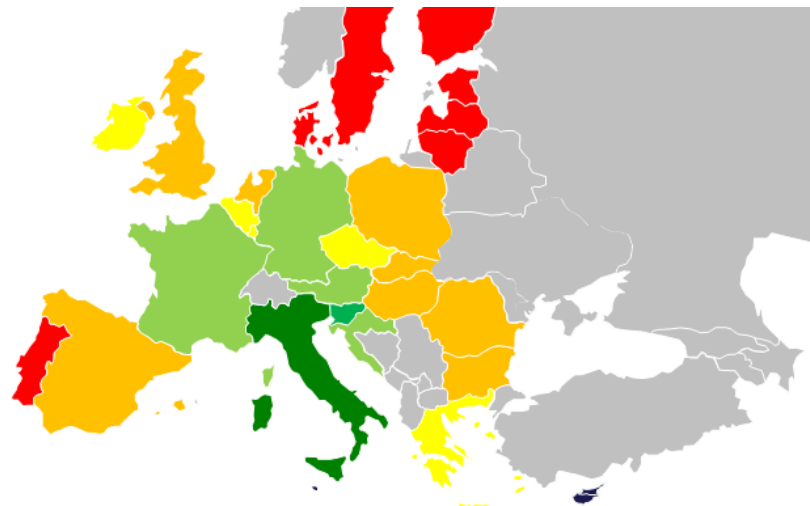
Investing in networks

PCIs: diversification of gas suppliers

- 1
- 2
- 3
- 4
- 5
- 6
- 7



2012

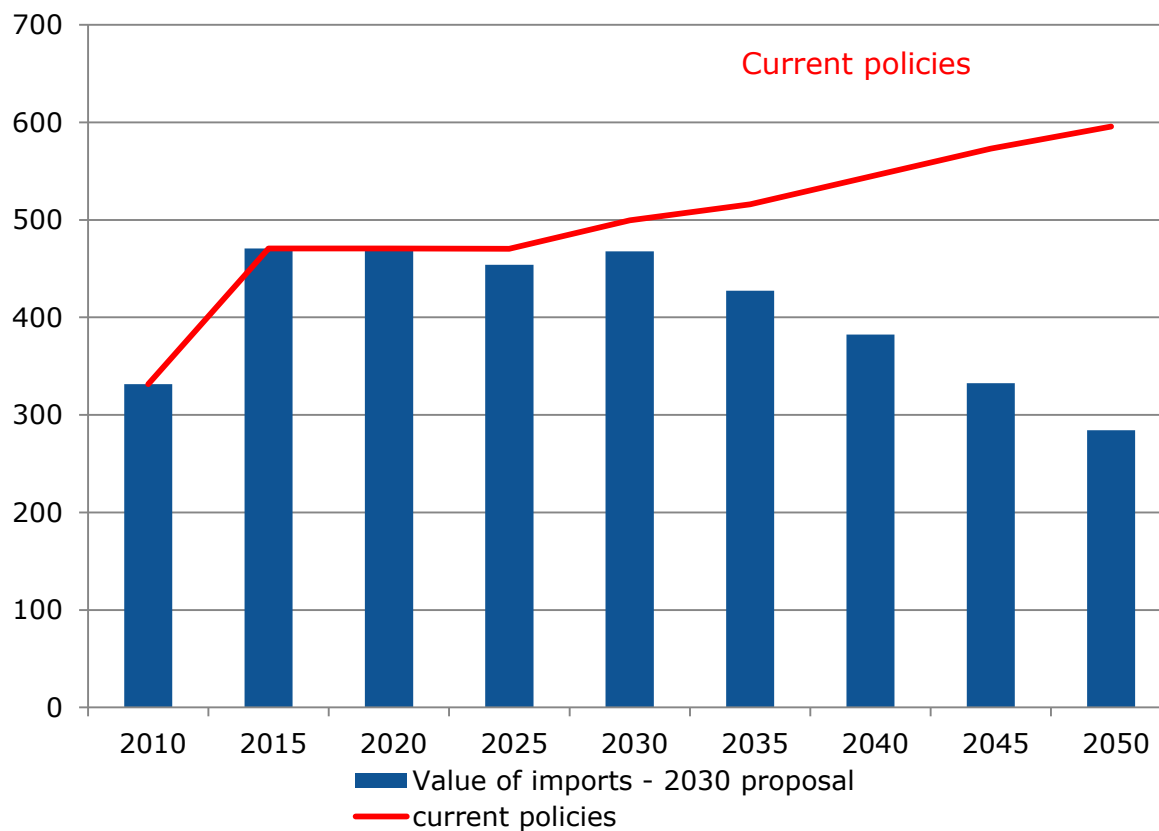


En 2022

Supply Sources: Azerbaijan (new source), Algeria, Lybia, Norway, Russia, National Production, LNG (counts as one source) *do not prejudice any commercial contracts*. ENTSO-G TYNDP 2013, European Commission

Our import bill will be reduced if 2030 targets are met

Fossil fuel imports in the EU in €bn





At European level

20 March 2014: European Council

Mid-2014 : Energy Efficiency Directive Review and proposals

And at international level

1st quarter 2015: climate change contributions from all economies

December 2015: Paris conference for an international agreement



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