

The Energy Union



**Energy
service**

**Heating and
cooling**

**46% of final
energy**

**Share
of final
energy**

**RES :
Target
2020**

21.5%

**Share
2014**

16.6%

Transport

**33% of final
energy**

10%

5.7%

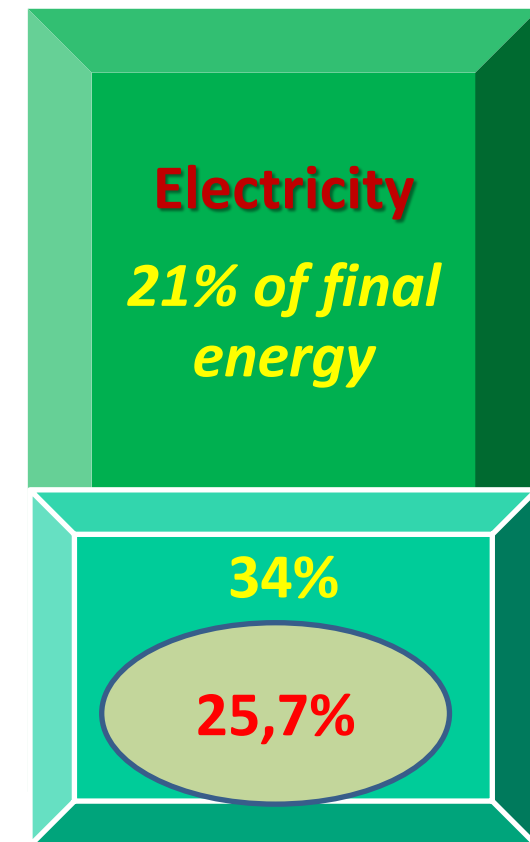
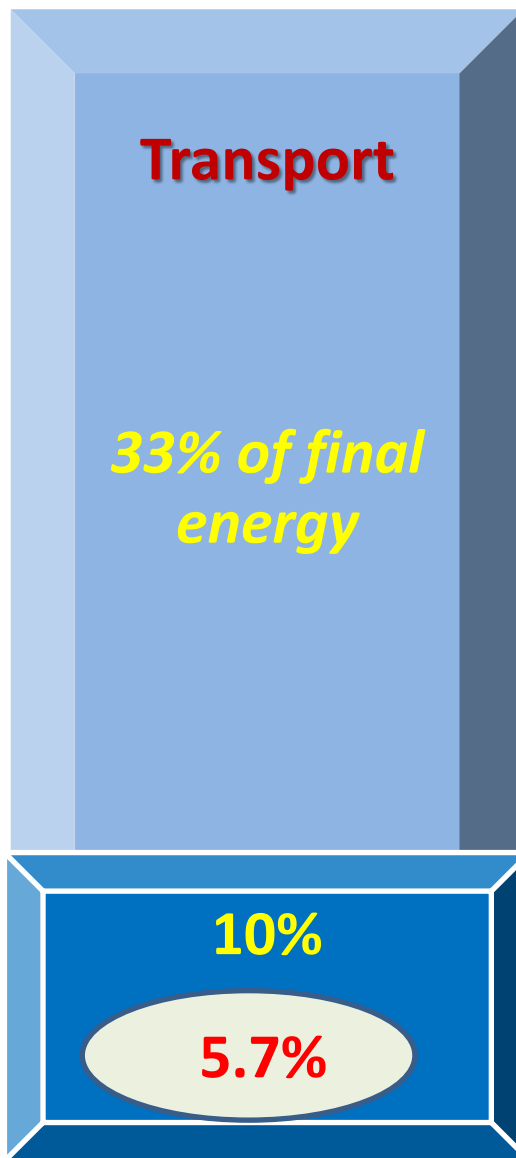
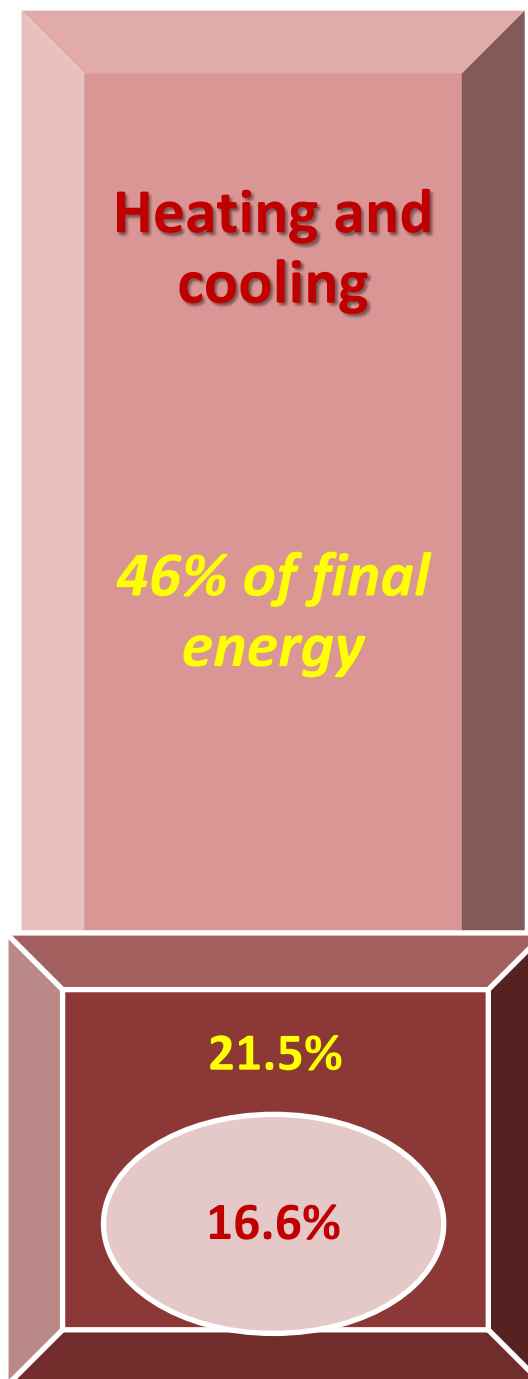
**RES in
2015 =
>16%**

Electricity

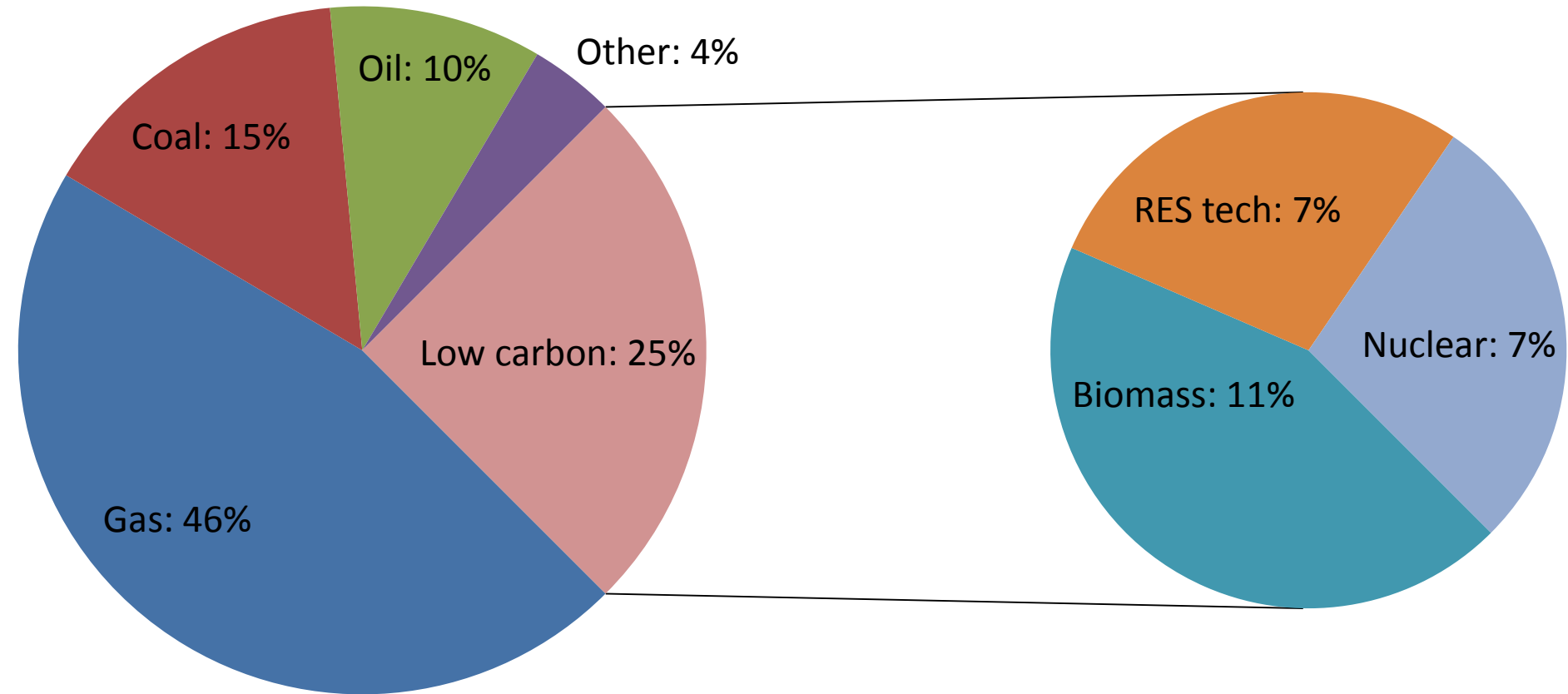
**21% of final
energy**

34%

25,7%

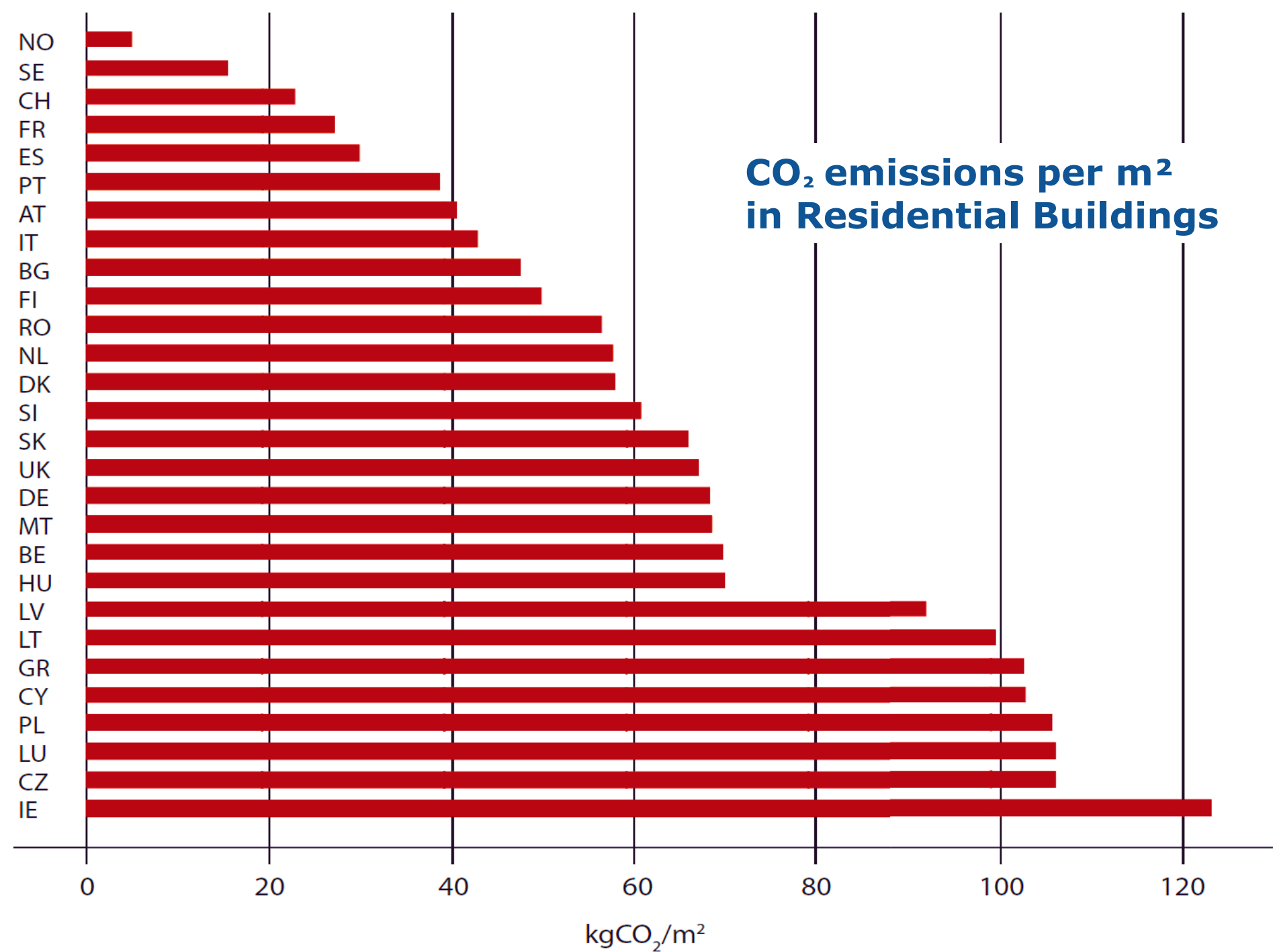


Fuels used in HEATING

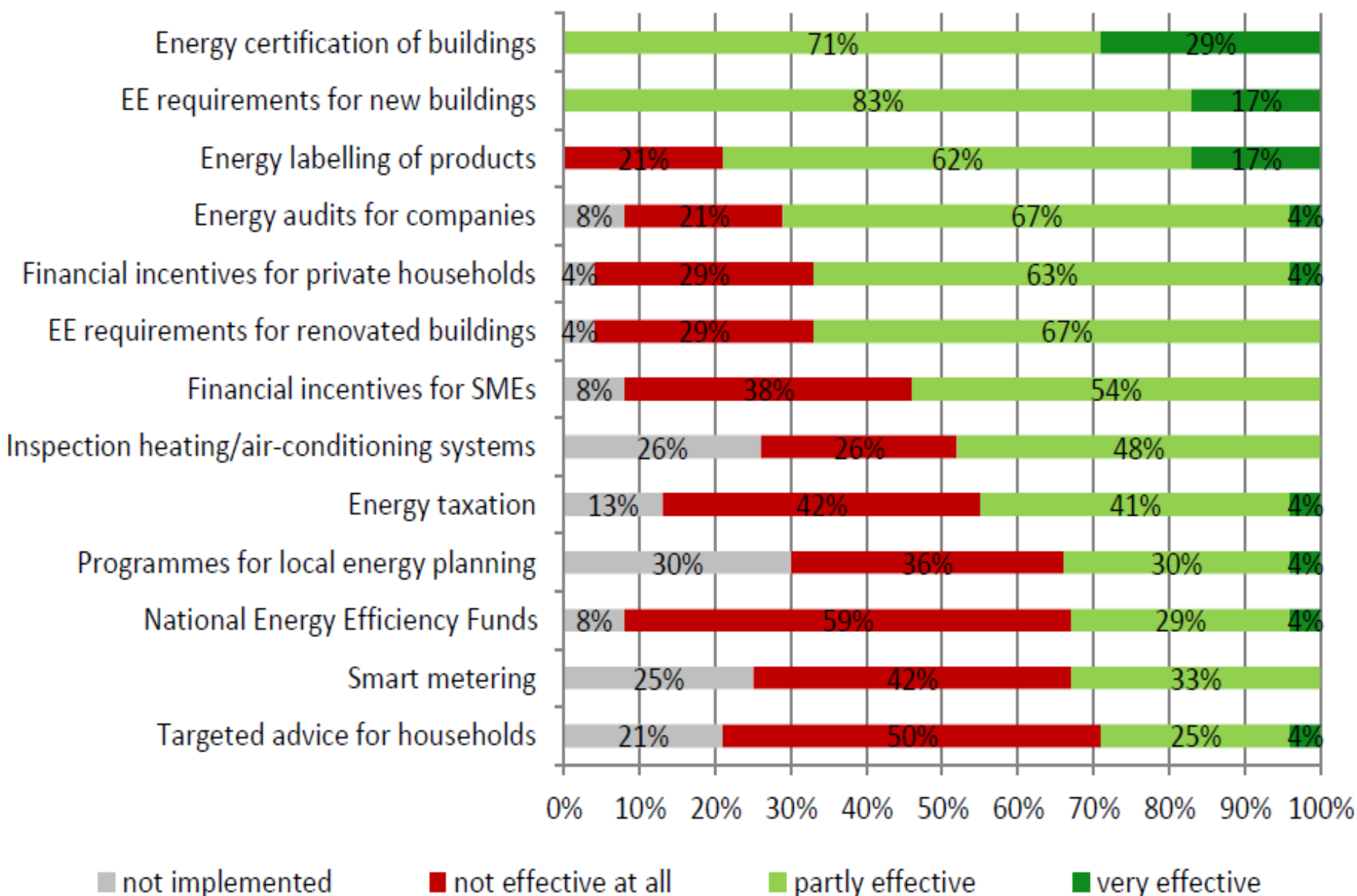


■ Gas ■ Coal ■ Oil ■ Other ■ Biomass ■ RES tech ■ Nuclear

CO₂ emissions per m² in Residential Buildings



Ireland: effectiveness of different policy instruments



Smart homes ... the future is now!

Door & window sensors
protect your home & save energy



Remote adapters & dimmers



for maximum comfort & convenience

Outdoor motion detectors

improve security & automate lighting systems and electrical devices



External electrical adapters



Wall mounted transmitters
for remote control of specified actions



Room thermostats



Central control unit

the core of the user-friendly automation system



Radiator thermostats

adjust the room temperature whether you are **at home** or **away**



Remote control
of different profiles and actions



Interior remote motion detector

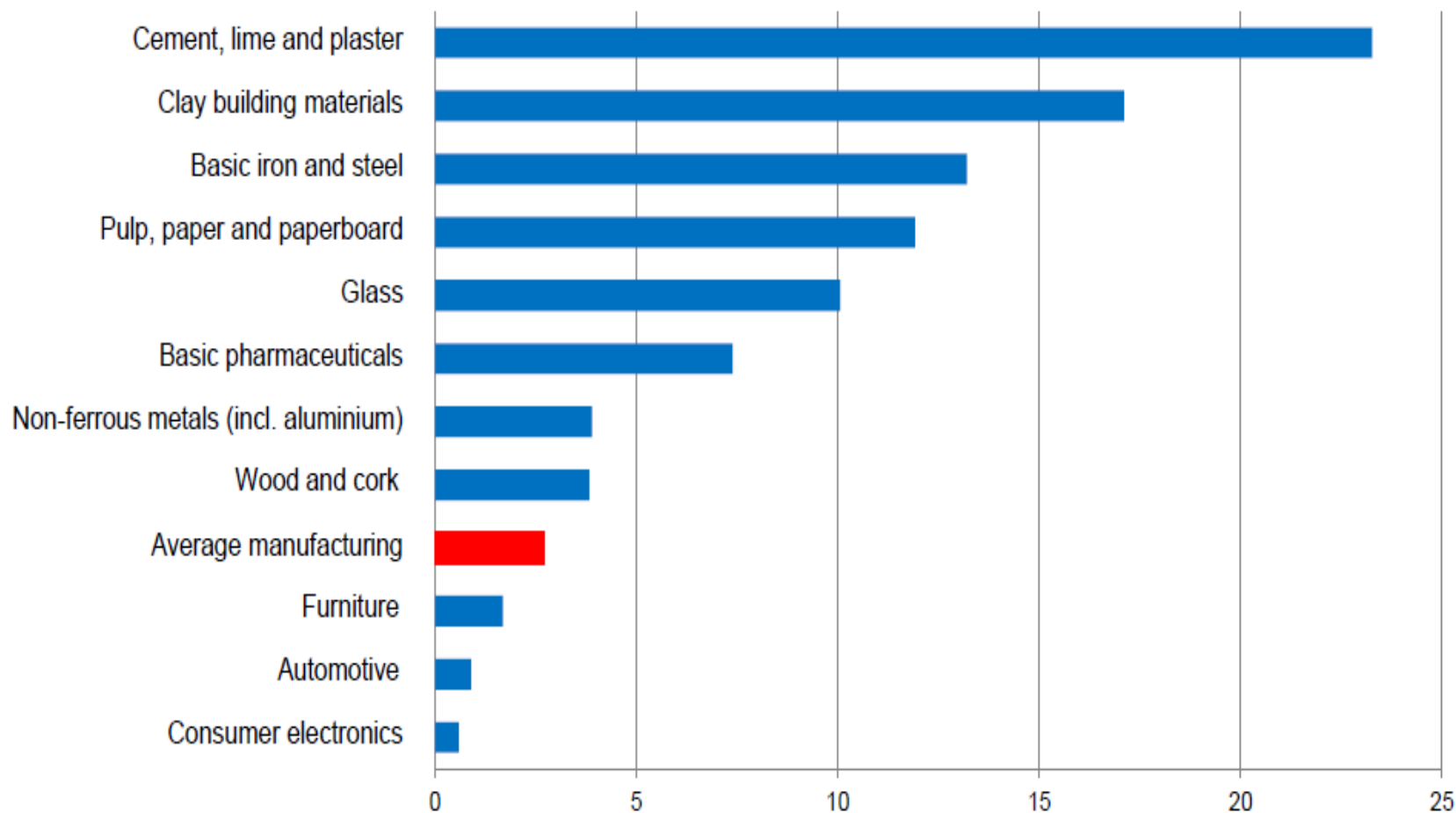


Floor heating controller



Energy-intensive industries are exposed

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



Source: European Commission
% of total production costs



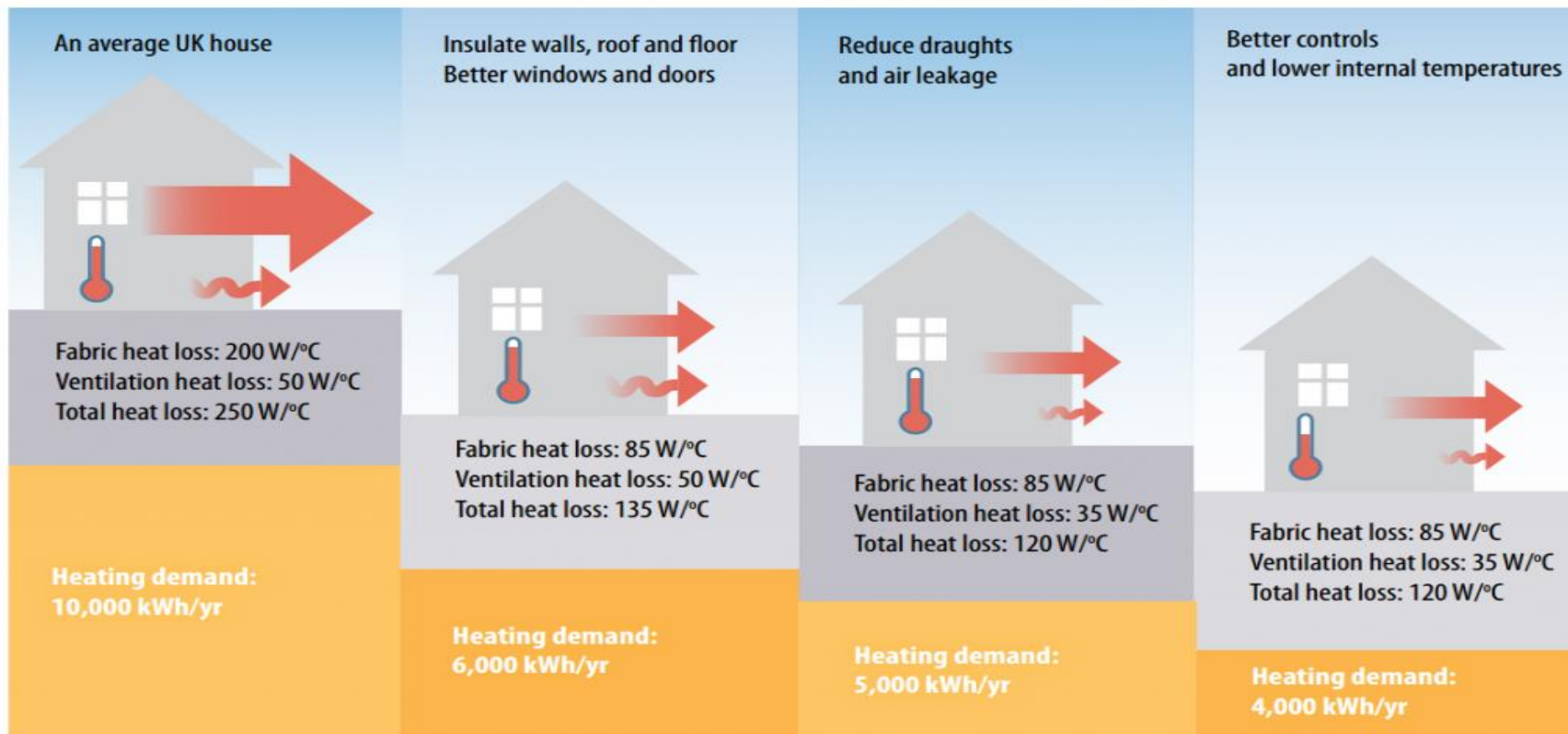
European
Commission

Thank you!

For more info:
ec.europa.eu/energy



Energy



Evolution of Average Energy Requirement in Buildings (120m² single family home)

