

# ***Energy renovation The Trump Card for the New Start for Europe***

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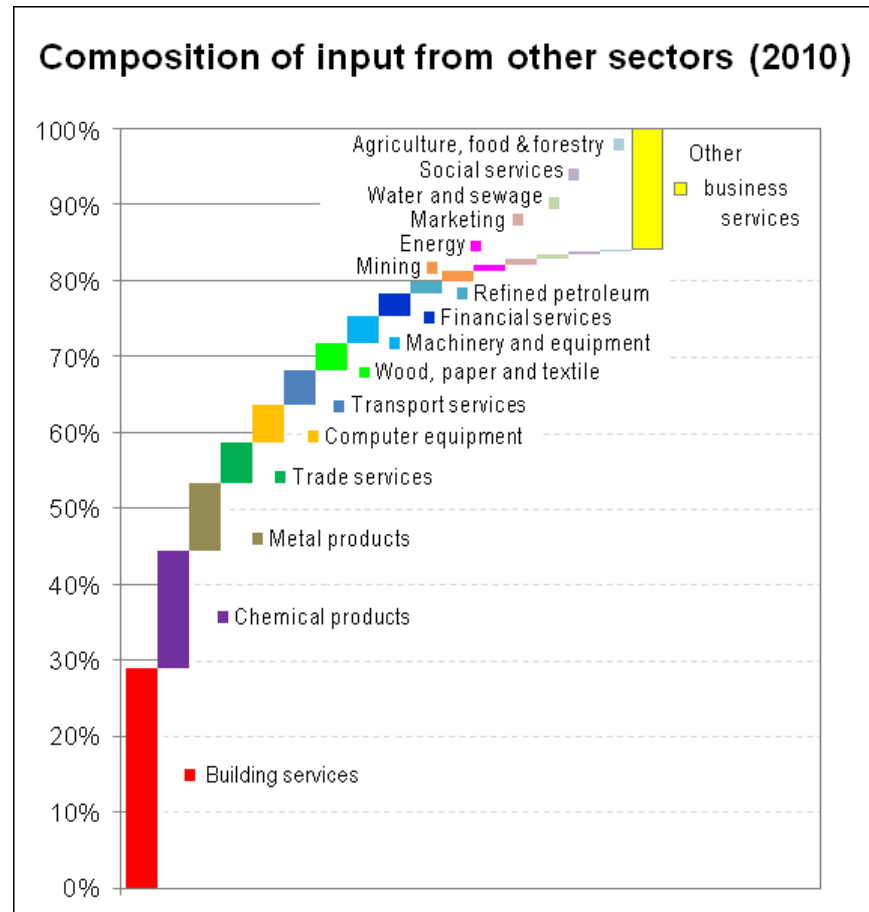
Strahil Panev

*Serving society  
Stimulating innovation  
Supporting legislation*



# Quand le bâtiment va, tout va!\*

*"The health of the economy is tied to the activity in the building sector"*



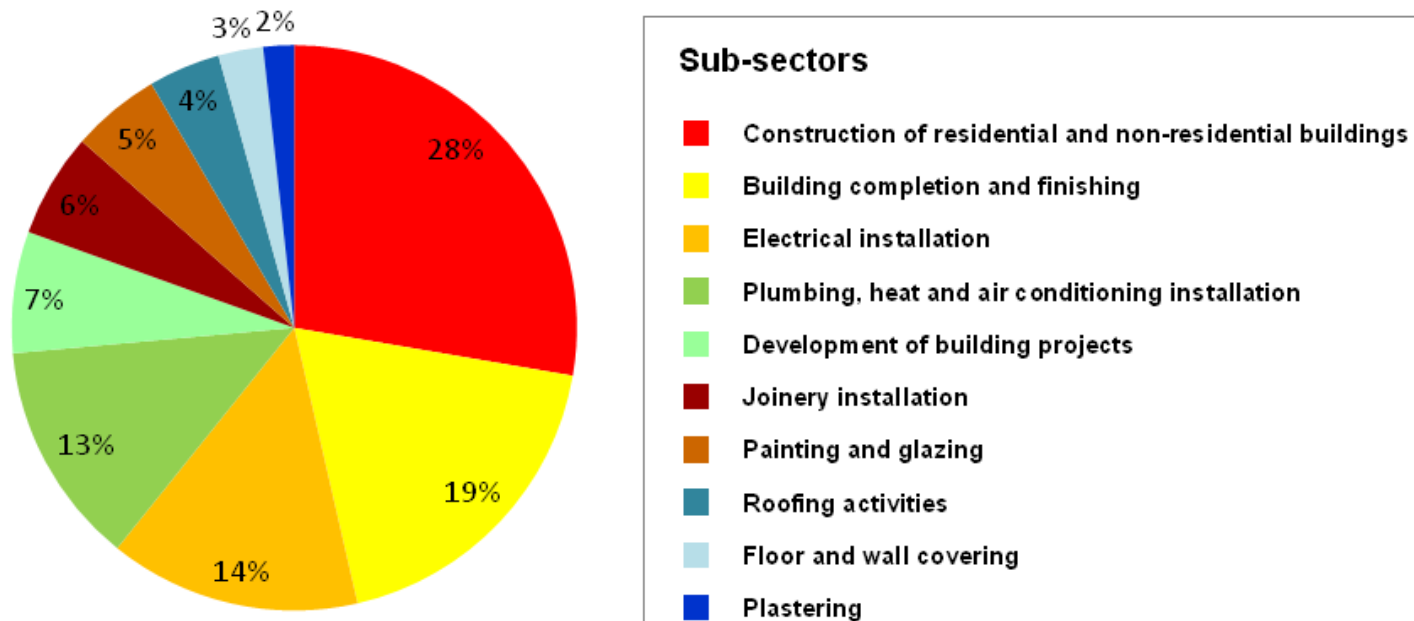
\* Martin Nadaud at the French Parliament in 1850

**Specialised construction activities** that include renovation work and energy retrofits add almost twice value than the construction of new buildings and employ three times more people than the supply of energy for the same value added

2011/ EU 28	Value added (EUR billion)	Share of the value added of the non-financial business economy	Number of persons employed (million)	Share of employment in the non-financial business economy
Total construction	501	8%	13.1	10%
Construction of buildings	144	2.36%	3.66	2.8
Specialised construction activities	283	4.65%	7.84	6%
<i>Total building sector</i>	<i>427</i>	<i>7%</i>	<i>11.5</i>	<i>8.8%</i>
Energy supply to buildings	215	3.53%	2.13	1.63%

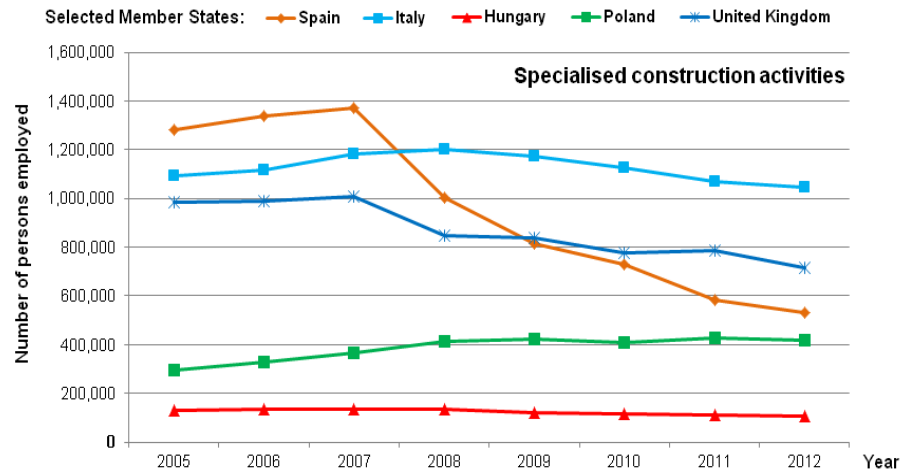
## 60% of the value added is generated by activities linked to the envelope of the building

Share of sub-sectors to value added (2011)

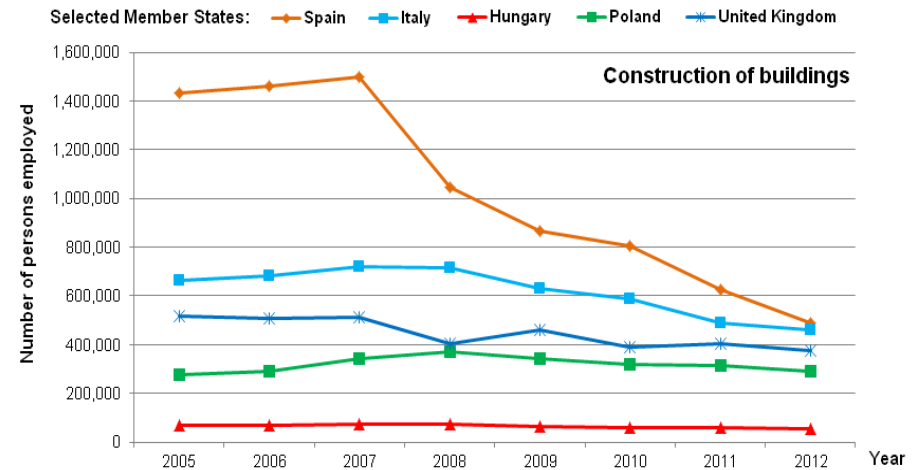


# Specialised construction activities that include renovation work and energy retrofits are the stabiliser of the building sector

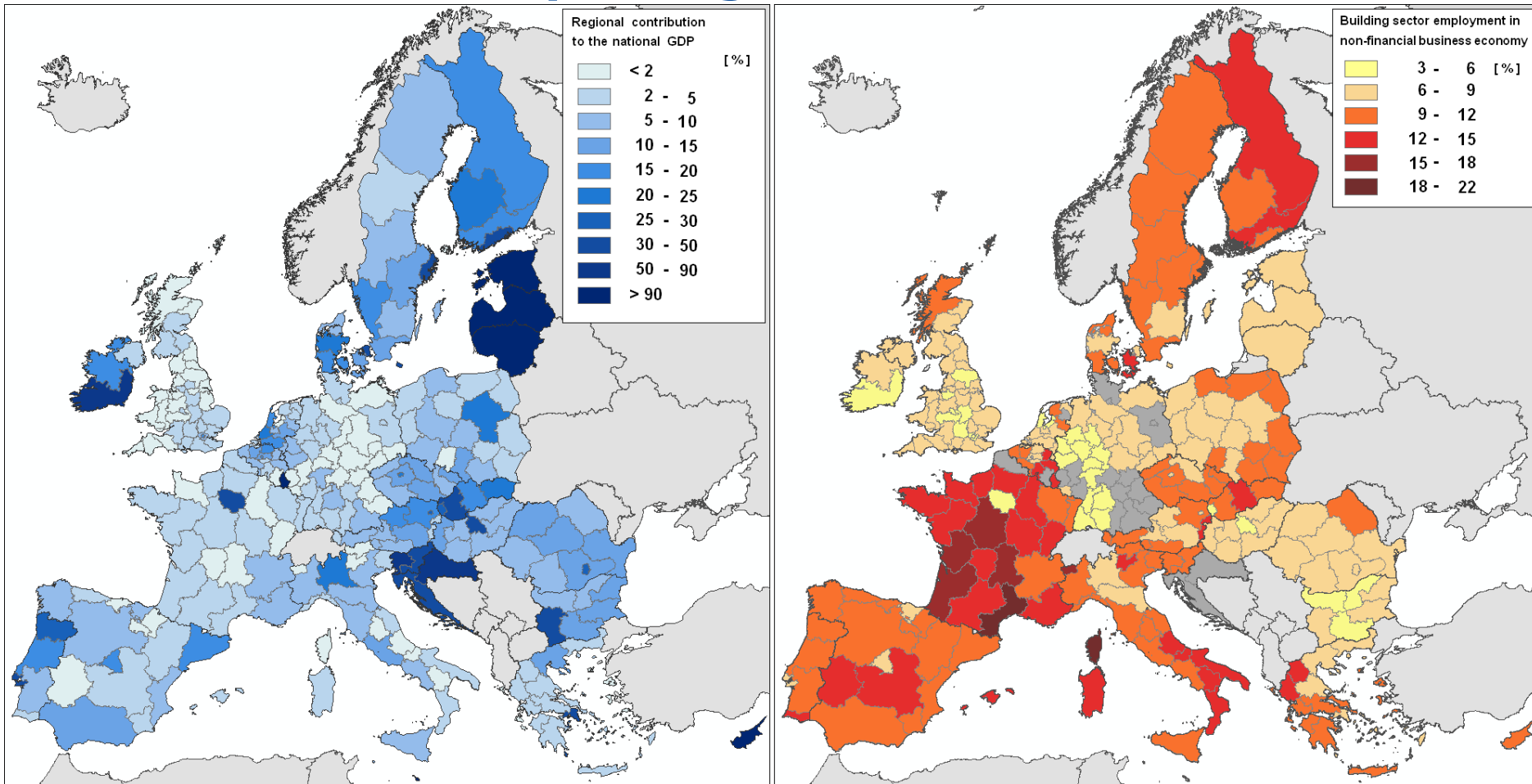
Number of persons employed in the building sector



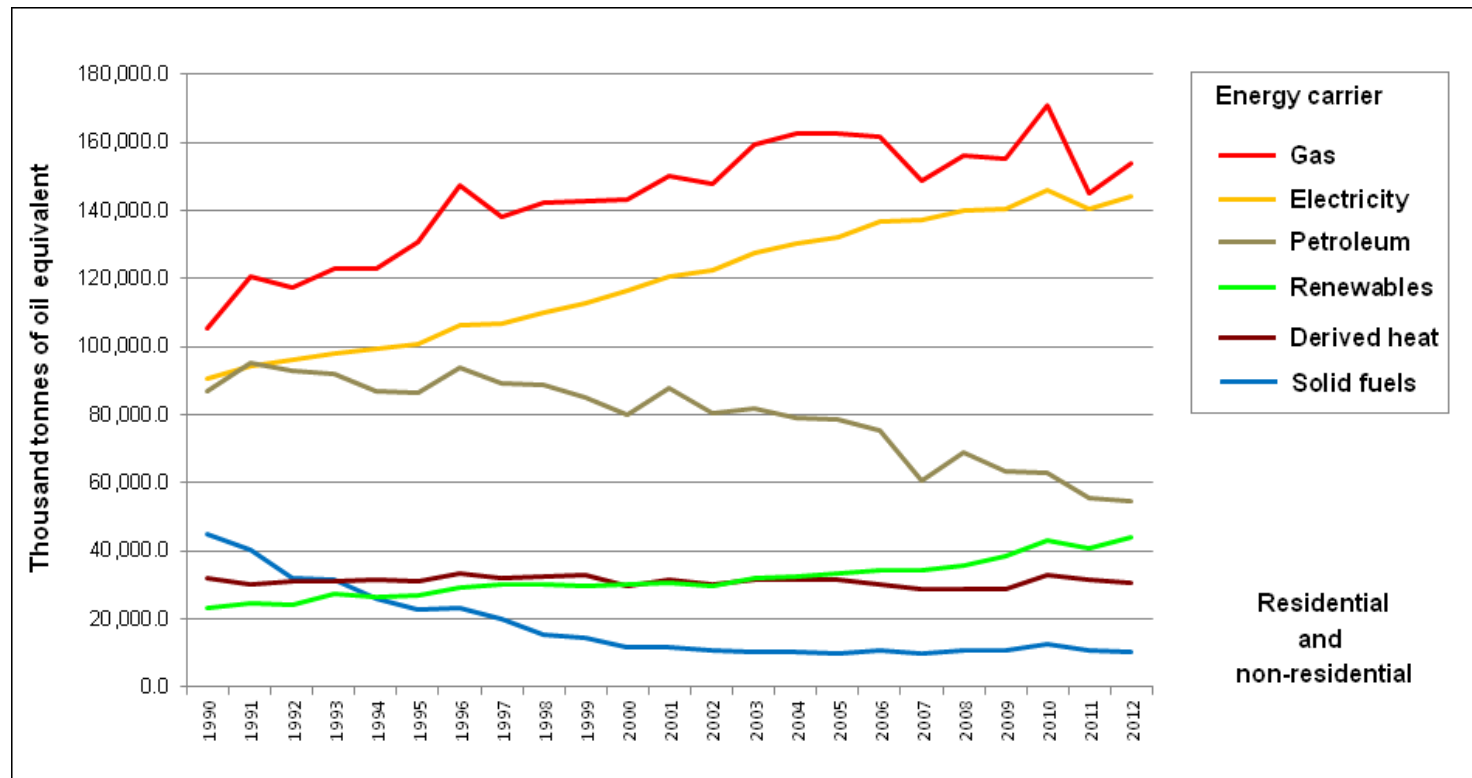
Number of persons employed in the building sector



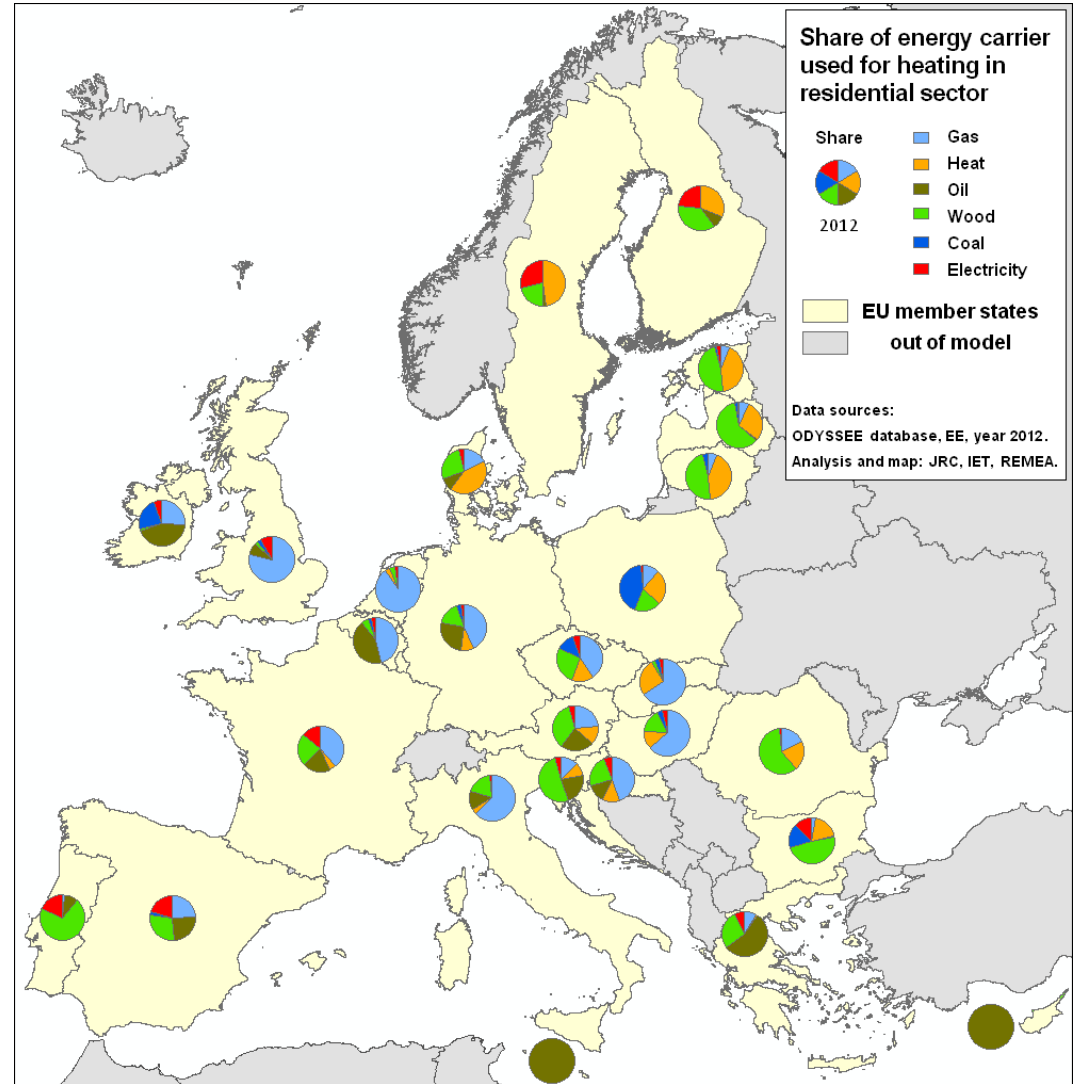
# The building sector employs more people in the less developed regions in each Member State



# Final energy consumption of the building stock increased by 14% between 1990 and 2012

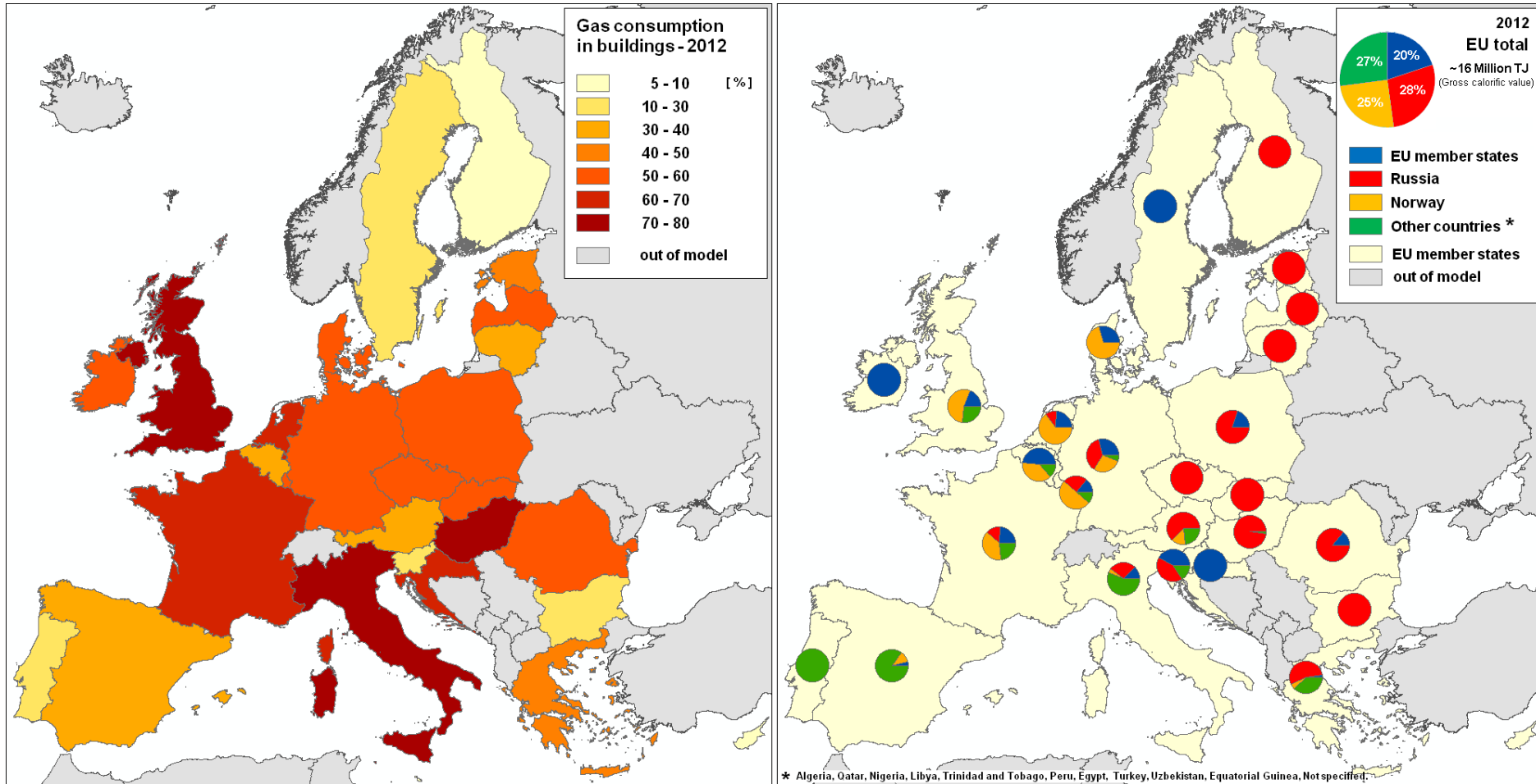


At the EU level,  
**gas** is the main  
energy carrier  
used for **heating**

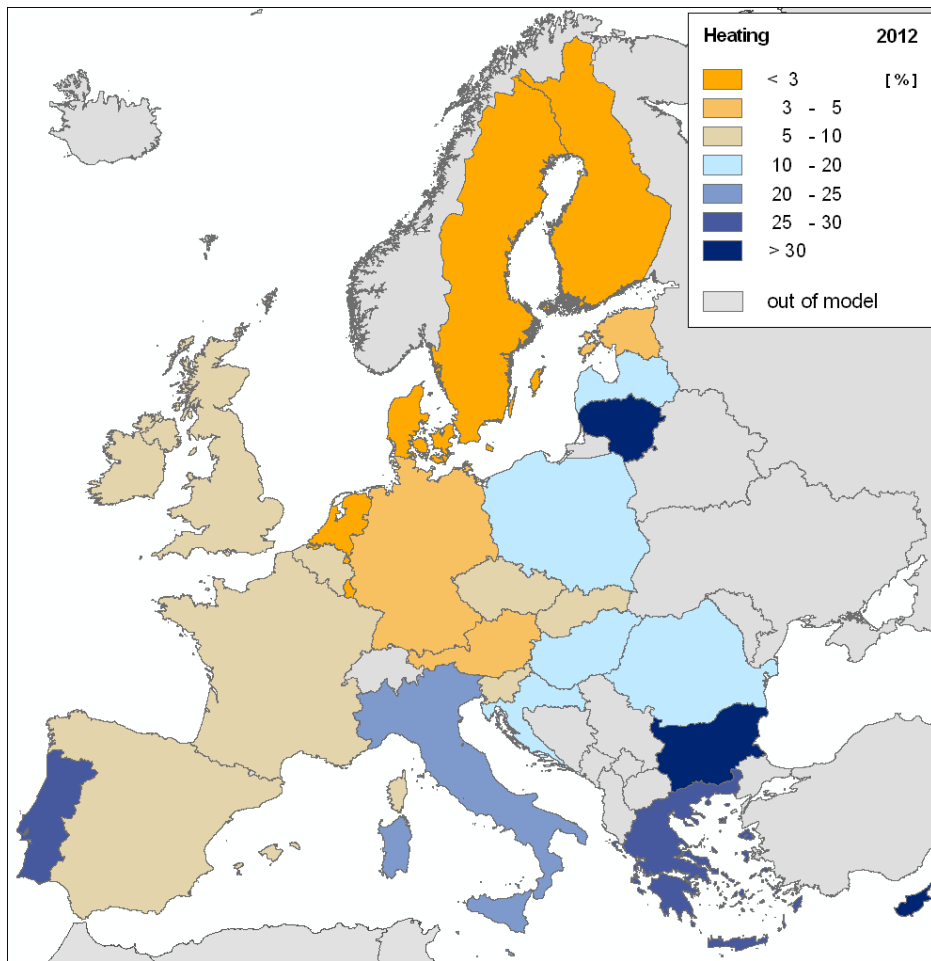




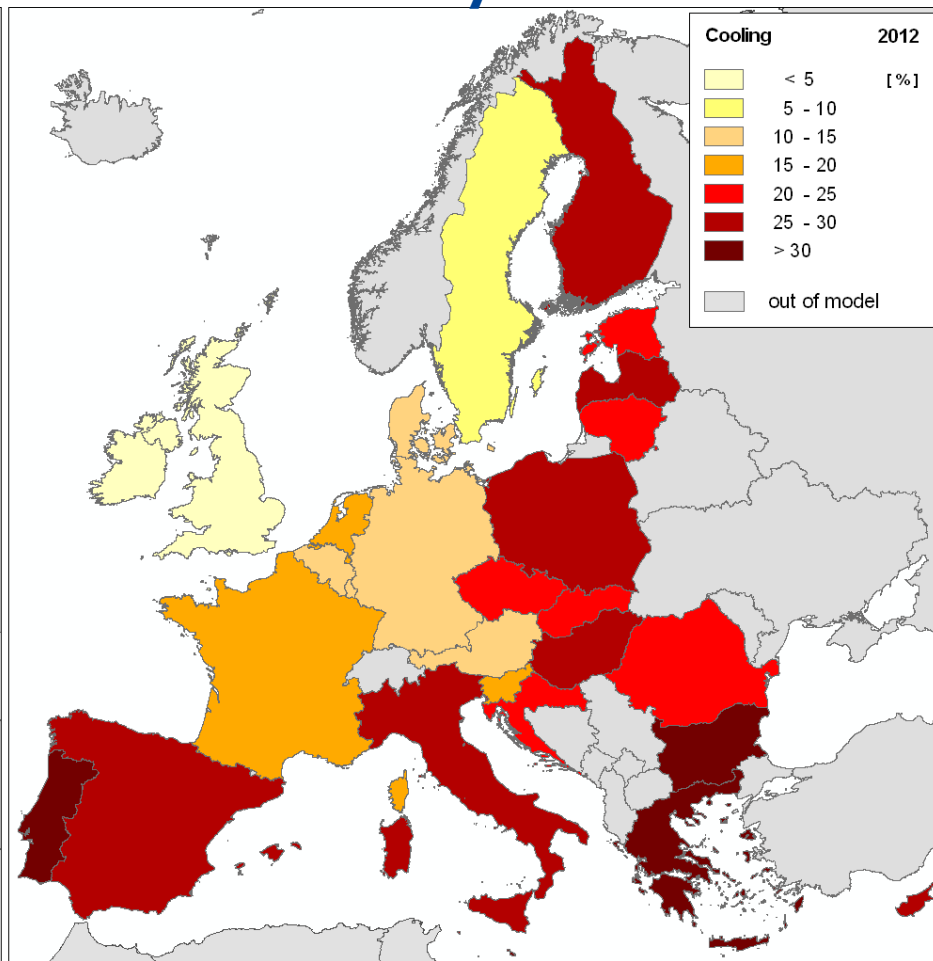
# Heating buildings in Eastern and Baltic MSs is highly exposed to any disruption of Russian gas



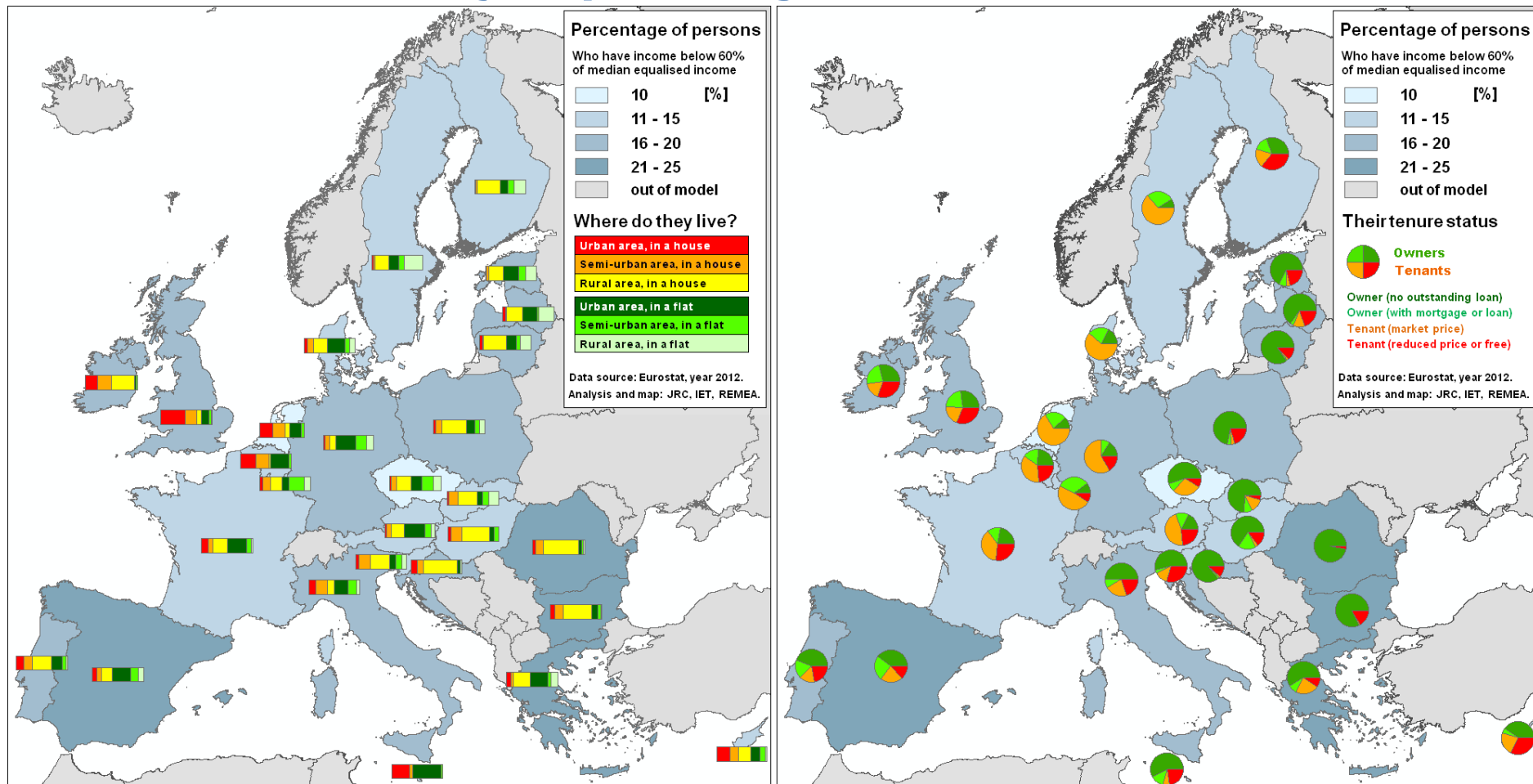
**11%** of the EU population  
were unable to keep their  
homes warm in winter



**19%** of the EU population  
were living in dwellings not  
comfortably cool in summer



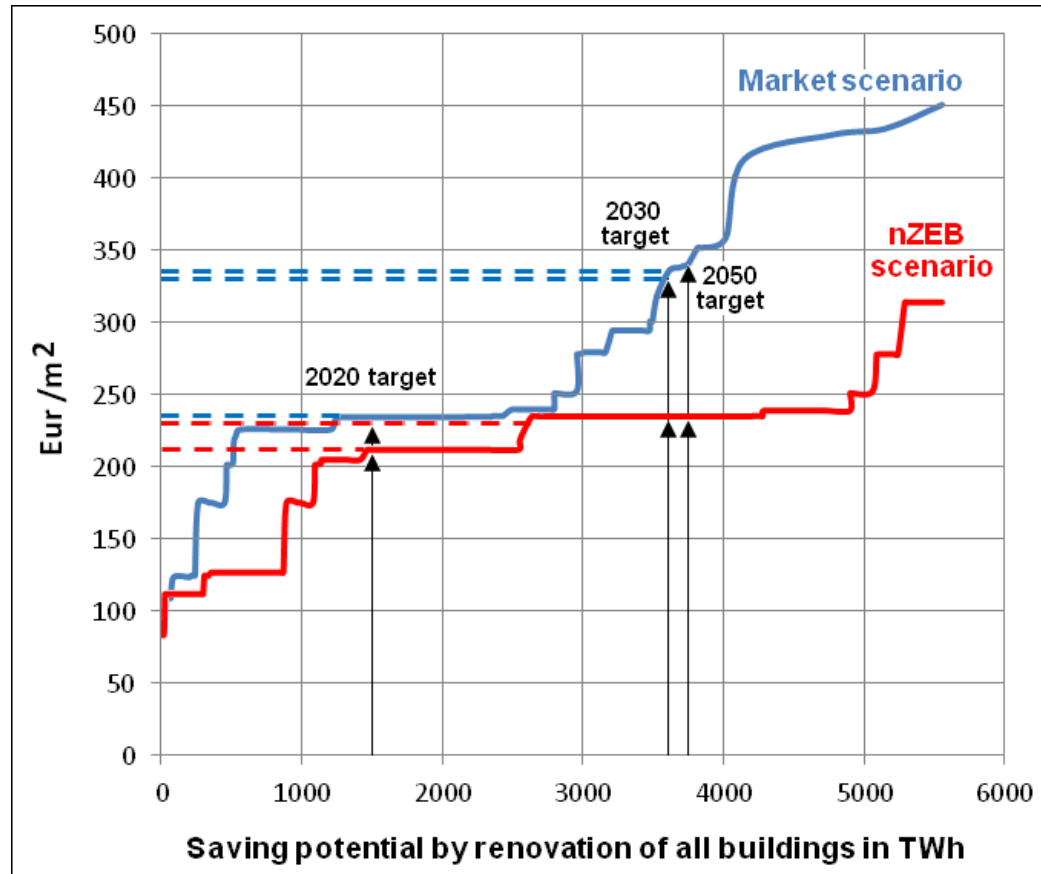
# MSs with per capita GDPs below the EU average have the highest share of low-income population as owner-occupiers and their majority is living in houses in rural areas



# The road to phasing out inefficient buildings is bumpy

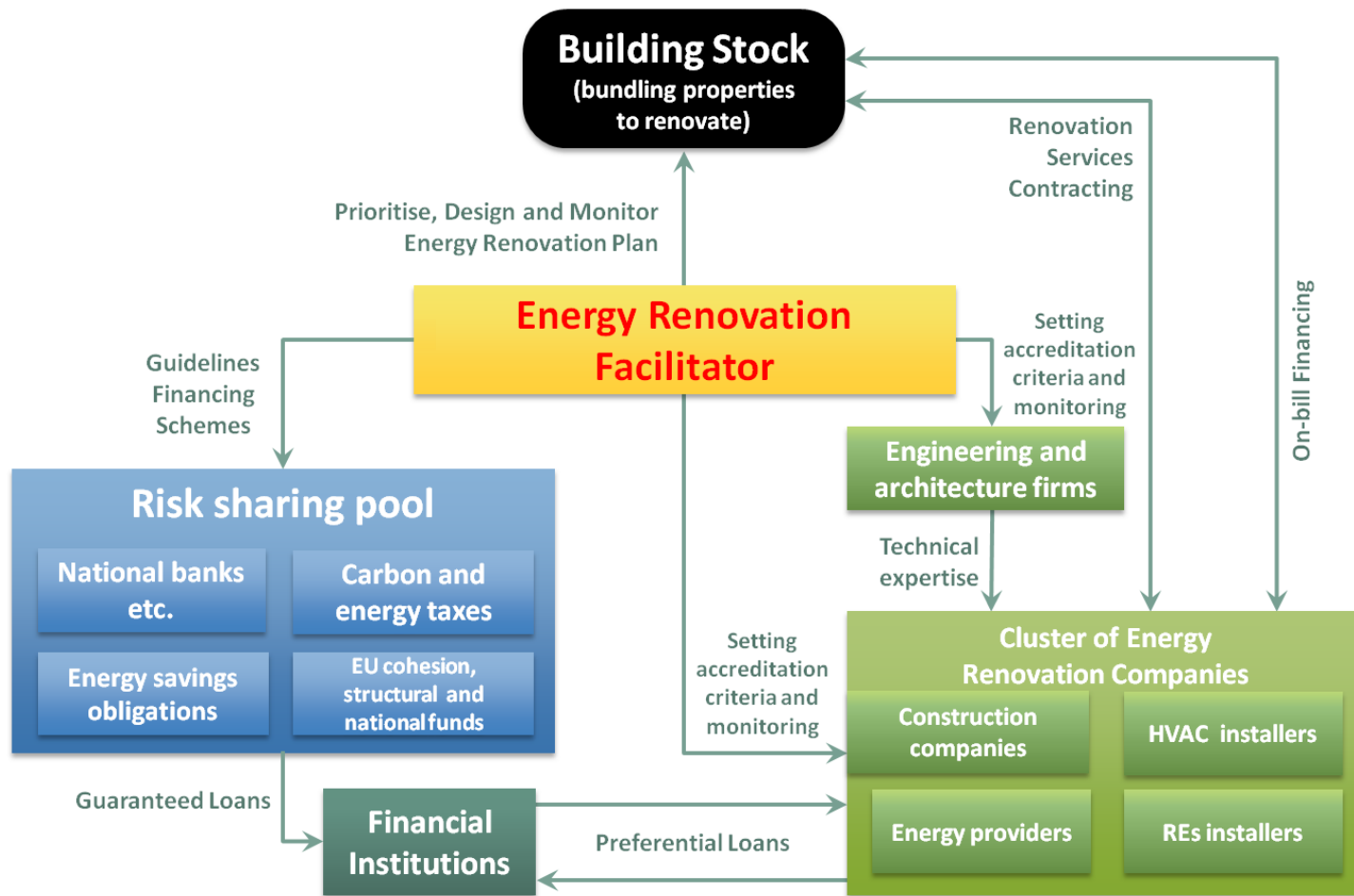
- Utility data are locked.
- Energy renovation costs are not transparent.
- Accreditation of energy renovation companies is scarce
- Market actors are fragmented and building clusters of companies is not obvious.
- 70% of the EU population is owner-occupier but bundling projects is still not a common practice
- Deepness of the renovation is undefined which doesn't push for technological innovation.
- Post monitoring and evaluation is not always a requirement of financing energy renovation.

## A blueprint to phasing out inefficient buildings considering that energy renovation cost should be lower than 25% of the value of the home

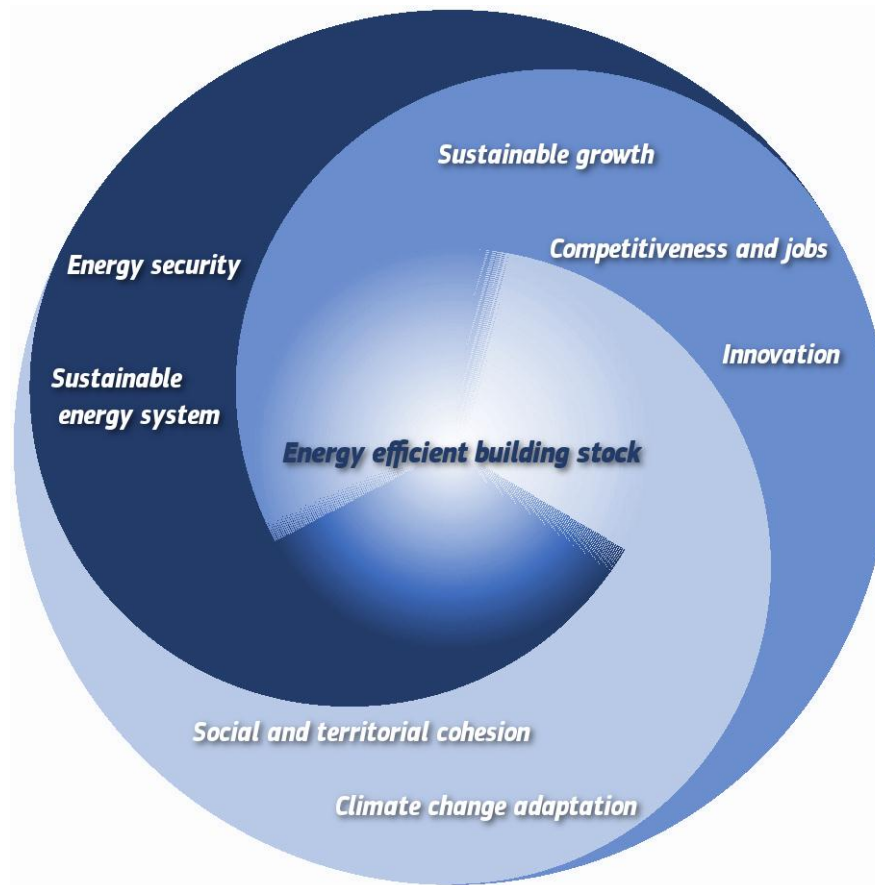


# An EU Energy Renovation plan requires a new governance

## Report proposes an Energy Renovation Facilitator & a Risk Sharing Pool



# The EU Energy renovation plan requires combining existing EU 2020 policy frameworks



# Thank you for your attention

## The report online:

<http://iet.jrc.ec.europa.eu/energyefficiency/publication/energy-renovation-trump-card-new-start-europe>

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