



S3UNICA
Interreg Europe



European Union
European Regional
Development Fund

S3UNICA – Smart SpecialiSation UNIvercity CAmpus

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<https://www.interregeurope.eu/S3UNICA/>

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Regional Energy Plan (R.E.P.)

- ensuring an **orderly correlation**
 - energy produced ↔ best use ↔ ability to absorb it by the territory and the environment
- identifying **main objectives** and **guidelines to develop** and **strengthen regional energy system**
- defining **implementation programs, direct actions, guidelines** and **coordination**

R.E.P. measures

- **reduction of greenhouse gas emissions** and regional energy consumption
- increase of **energy efficiency**
- at least **20% of energy consumption** requirement provided by **renewable sources**

R.E.P. measures

- renewable energy sources
- offshore wind production
- smart integration of renewable energies
- energy efficiency
- decrease in the cost of renewable energies
- better definition of support policies

Construction, use and renovation of buildings require significant amounts of energy and mineral resources

Buildings account for **40% of energy consumed**



yearly rate of building stock renovation varies **from 0.4% to 1.2%**
in the Member States

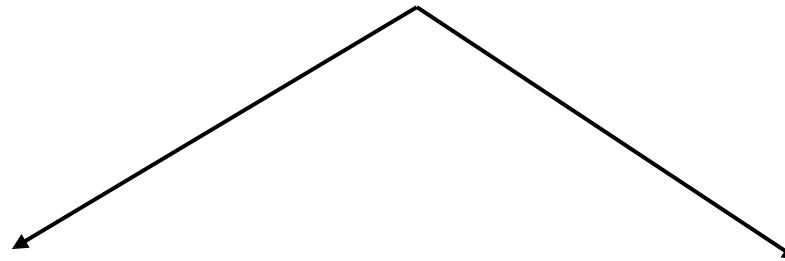


need to **double the rate** to reach the EU's energy efficiency and climate objectives

50 million consumers struggle to keep their homes adequately warm



twin challenge



EU'S ENERGY EFFICIENCY

AFFORDABILITY



↑ ↑ ↑ 'renovation wave' of public and private buildings

Increasing renovation rates



EU Commission actions

- **enforcing the legislation** related to the energy performance of buildings
- working on the possibility of **including emissions from buildings in European emissions trading**
- prices of different energy sources providing the right signals for **energy efficiency;**

EU Commission actions

- reviewing the **Construction Products Regulation**
- **new and renovated buildings <-> needs of circular economy**
- **digitalization and climate-proofing** of the building stock



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Thank you

Questions welcome

