



Decarbonisation of the building stock in the EU and Russia – the way forward

Highlights of the workshop series for the EU

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online



Future-proof buildings for all - Building regulations and renovation strategies in the EU

- ▶ Climate neutral economy by 2050
- ▶ Zero-emission building stock by 2050
- ▶ -55 % GHG-emissions by 2030
- ▶ -60% building's GHG-emissions by 2030



Renovation Wave Priorities



Tackling **energy poverty** and **worst-performing buildings**



Renovation of **public buildings**



Decarbonisation of **heating and cooling**





Implementing the targets in European Member States

Key areas for action

Financing deep renovation of apartment blocks

Accelerating renovation through data and digitalisation

Reducing GHG-emission along the lifecycle



Financing deep renovation

Programmes for apartment blocks



KREDEX

Public company (One-stop-shop) provides renovation advice, distributes loans and supervises project implementation

Company improving conditions for energy performance contracting

Revolving fund combines EU structural & national funds to provide long-term low interest loans to renovate apartment buildings



Accelerating renovation through data and digitalisation



Energy Performance Certificate and Building Renovation Passport Portugal: Innovative indicators include renewable energy use and CO₂ footprint, which are both featured on the front page; long-term roadmap for individual buildings

energie
sprong
de

Retrofit home to net-zero energy consumption with standardised solution making use of prefabrication and a guaranteed performance.



Geomapping building's energy performance





Reducing GHG-emissions along life-cycle

Accounting for whole-life carbon and improving circularity



Common language: provides methodology to assess and report on sustainability thereby helping to define metrics to account for carbon emission along the entire building lifecycle.



Digital library archiving the materials and products that have been used to construct the building thereby helping real estate owners to reuse resources and eliminate waste.



C2C LAB in Berlin is the world's first comprehensive refurbishment of an apartment block according to Cradle-to-Cradle criteria.



Outlook - The European Building Stock in 2050





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