



# Energy Performance of Buildings

*#EUGreenDeal*

# The Renovation wave

## Greening our buildings faster, Creating jobs, Improving lives

On 14 October 2020, the European Commission presented its Renovation Wave Strategy. The Commission aims to at least:

- **double renovation rates** in the next ten years;
- make sure renovations lead to **higher energy and resource efficiency**.

This will enhance the quality of life for people living in and using the buildings, reduce Europe's greenhouse gas emissions, foster digitalisation and improve the reuse and recycling of materials.



<https://audiovisual.ec.europa.eu/en/video/I-195844>

# Making Europe's Buildings Remarkably Different



**Decarbonisation** of heating and cooling



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



**Renovation of public buildings and social infrastructure** such as schools, hospitals and administrative buildings



**A set of policy measures, funding tools and technical assistance instruments** to break down of existing barriers throughout the renovation chain – from the conception of a project to its funding and completion

# 7 lead intervention areas

Information, legal  
certainty and  
regulation

Accessible and  
well-targeted  
funding

Project and  
technical  
assistance  
One-stop shops

Integrated  
interventions for  
smart buildings

Construction  
sector for the  
sustainable  
future

Addressing  
energy poverty  
and healthy  
housing

Decarbonisation  
of heating and  
cooling



# Fast and Accessible Renovation for Better Buildings



**Stronger regulations, standards and information on the energy performance of buildings**, for example:

- A phased introduction of mandatory minimum energy performance standards for existing buildings
- Updated rules for Energy Performance Certificates
- Possible extension of building renovation requirements for the public sector



**Accessible and well-targeted funding**, for example:

- 'Renovate' and 'Power Up' Flagships in the Recovery and Resilience Facility under NextGenerationEU
- Simplified rules for combining different funding streams
- Multiple incentives for private financing

# Sustainable Products, Services and Assistance



**Increasing capacity** to prepare and implement renovation projects:

- from technical assistance to national and local authorities through training and skills development for workers in **new green jobs**



Expanding the market for **sustainable construction products and services**, for example:

- integration of new sustainable materials and nature-based solutions
- revised legislation on marketing of construction products
- material reuse and recycling platforms, and recovery targets

# Districts approaches uniting people and communities



Developing **neighborhood-based approaches** for local communities to integrate renewable and digital solutions and create zero-energy districts, where consumers become prosumers selling energy to the grid



The strategy also includes an **Affordable Housing Initiative** for 100 districts



# EPBD revision

## Key steps

- Part of “**Fit for 55 package**” (the revision of EED, RED, ETS and ESR adopted on 14 July 2021)
- Stakeholders consultation in the first half of 2021
- Adoption of the EPBD revision foreseen in **Q4 2021**
- Submission of the **Impact Assessment** of the EPBD revision to the Regulatory scrutiny board on 20 July 2021

## Stakeholders consultation

- **Inception Impact Assessment:** consultation From **22 February to 22 March 2021**; **243** stakeholders from 20 EU Member States + from outside the EU
- **Open public consultation questionnaire:** feedback from 30 March until 22 June (available in all languages in the “[Have your Say](#)” portal)
- **Targeted stakeholder’s consultation workshops**
  - Setting a vision for buildings and a decarbonised buildings stock; 31 March
  - Minimum energy performance standards for existing buildings; 15 April
  - Strengthening buildings information tools (with focus on EPC); 29 April
  - Digitalisation & data management in buildings; 19 May,
  - Financing and energy poverty; 06 June

# Policy measures being considered and goals

- **Minimum Energy Performance Standards (MEPS)**
  - *New instrument to be introduced, several design options possible*
- **Deep Renovation Standards**
  - *Establish a definition revisiting the - 60% energy savings*
- **Building Renovation Passport (BRP)**
  - *Gradual steps, link with other instruments*
- **Strengthening of energy Performance Certificates (EPC)**
  - *Improve quality and comparability*
  - *Improve accessibility for users (digital tool, national databases)*
  - *Improve information role of EPCs by enlarging the set of information*
- **Decarbonisation of buildings**
  - *New buildings from NZEB to “net zero emissions buildings”*
  - *GHG metric in EPCs*
- **Smart Readiness Indicator (SRI)**
  - *Accelerate next steps and create synergies with other tools*
- **Electro-mobility**
  - *Strengthen requirements for recharging*
  - *New requirements for e-bikes and e-scooters?*



**Increase renovation rate and depth**



**Enable the decarbonisation of buildings**



**Accelerate the modernisation of buildings and of their systems with digitalisation as key enabler**

# Policy measures considered: Minimum energy performance standards (MEPS)

## Key elements for MEPS design:

- **Learn from national experiences**
- **Start from existing EPBD tools:** EPC (to be strengthened) and LTRS
- **Building types to be targeted:**
  - the focus on worst performing buildings ensure that highest savings (energy, GHG) can be achieved
  - Exploit existing trigger points for renovations (rent, sales)
  - Leave flexibility to adapt to national specificities
- **Level of ambition:** set a clear progressive pathway compatible with decarbonisation in the long term
- **Address critical social impacts** such as rents increase, split-incentives and housing affordability
- **Accompany MEPS with earmarked financial support and technical assistance**

# Thank you

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