



Clean and smart energy in buildings – Supporting the Renovation Wave

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Buildings and Products



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.

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

COVID-19

Buildings: in the centre for our lives

For millions of Europeans, the home has been the focal point of daily life: an office for those teleworking, a classroom for children and pupils, a hub for online shopping or entertainment



- Investing in buildings can **inject a much-needed stimulus** into the construction sector and the macro-economy
- The Renovation Wave can **trigger a large-scale transformation** of our cities and built environment

EU budget to kick off the Renovation Wave

for Direct Investments

- Recovery and Resilient Facility
- Cohesion Policy Funds (ERDF, ESF, EU-REACT)
- Just Transition Mechanism - JTF

To leverage private investments

- InvestEU
- Private Financing 4 Energy Efficiency
- European Energy Efficiency Fund

for Research & Innovation

- Horizon Europe
- Built 4 people
- EGD Calls
- Smart Cities

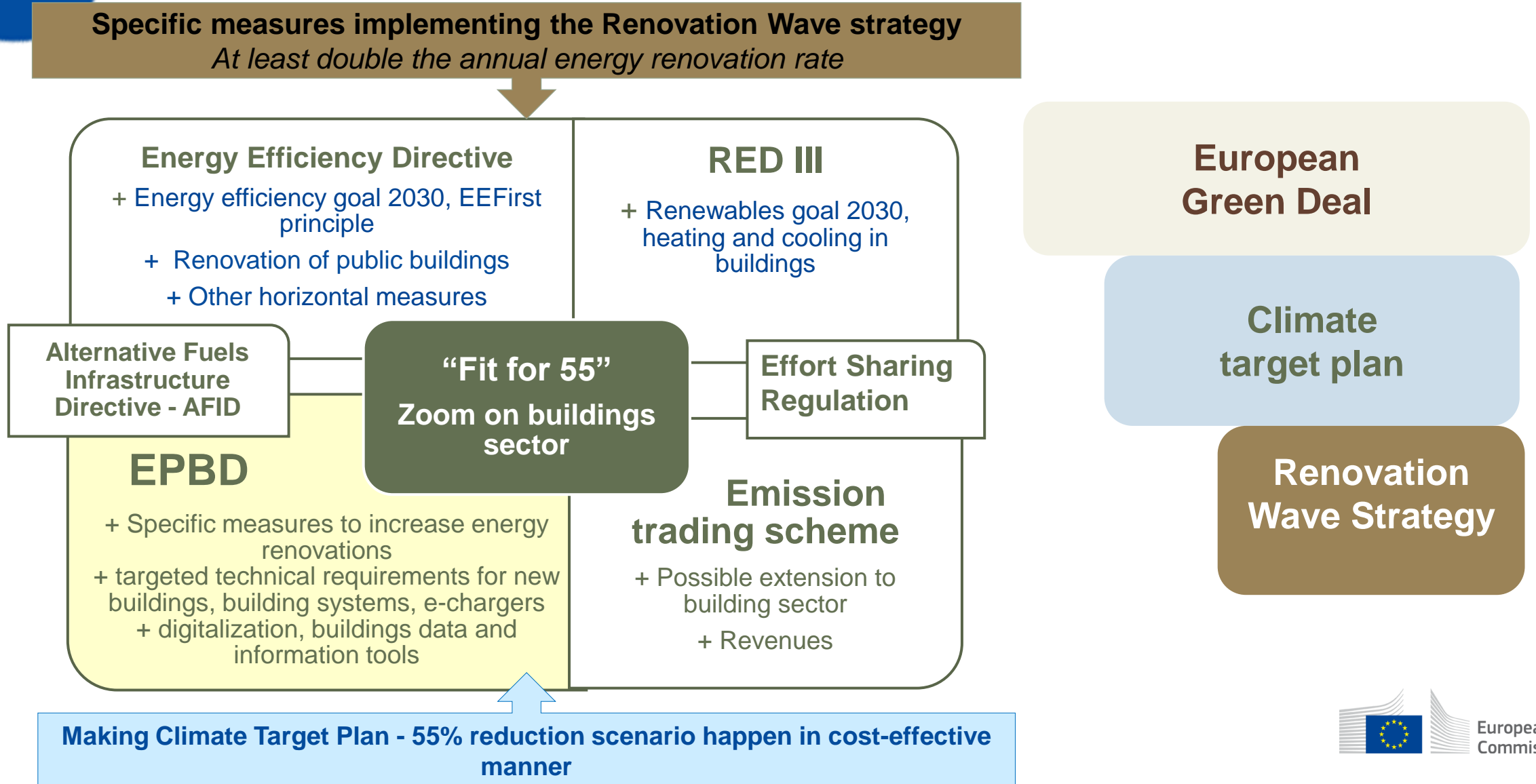
To address Market Barriers

- LIFE – Clean Energy Transition
- LIFE – Circular Economy & Quality of Life

For Technical Assistance and Advisory

- ELENA Facility
- Technical Support Instrument
- Technical Support – Cohesion Policy

Fit for 55 – policy and legislative context



Revision of the Energy Performance of Buildings Directive

Regulatory reinforcement key to deliver the Renovation Wave ambition

EPBD revision announced in the Renovation Wave Strategy:

- Proposal to introduce **mandatory minimum energy performance** standards in EPBD
- Revision of provisions on **Energy Performance Certificates** in EPBD
- proposal on **Building Renovation Passports, deep renovation definition**
- Adoption of the EPBD revision foreseen in **Q4 2021**

At least **double the annual energy renovation rate**

Make **deeper energy renovations** happen

Concerted efforts at all levels to deliver renovation to **35 million building units** by 2030

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 vision for new buildings*
 - *GHG metric in EPCs*
- **Smart Readiness Indicator (SRI)**
 - *Accelerate next steps and create synergies with other tools*
- **Electro-mobility**
 - *Strengthen requirements for recharging*



Increase renovation rate and depth



Enable the decarbonisation of buildings



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



Smart Readiness Indicator (SRI)

Two regulations published on 21 December 2020 in [Eur-Lex](#) and **entered into force on 10 January 2021**:

- Regulation (EU) [2020/2155](#) for the **Delegated Act** – establishing an optional common European scheme (definition and calculation methodology)
 - Regulation (EU) [2020/2156](#) for the **Implementing Act** – detailing the different technical implementation modalities
- Testing and implementation in Member States can start



SRI - support for the implementation

The following will be developed :

- **Web resources** (English, French and German),
- **Online helpdesk** including a “hotline” and a set of Frequently Asked Questions (FAQ),
- **Training package for experts** in charge of assessing and / or implementing the SRI
- **Webinars for candidate experts**
- **Assessment package** (including a calculation sheet and step-by-step tools for on-site inspection and calculation of smart readiness scores)
- etc.



Update on Product policy

- On-going or planned review of all existing regulations in the light of technological progress and rescaling
- Work is on-going on central space heaters, water heaters and air conditioners
- Preparatory study on BACS
- Council conclusions of 11 June called on the Commission to accelerate the work on product regulations for the heating and cooling appliances.

Thank you

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