



# 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

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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



# 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

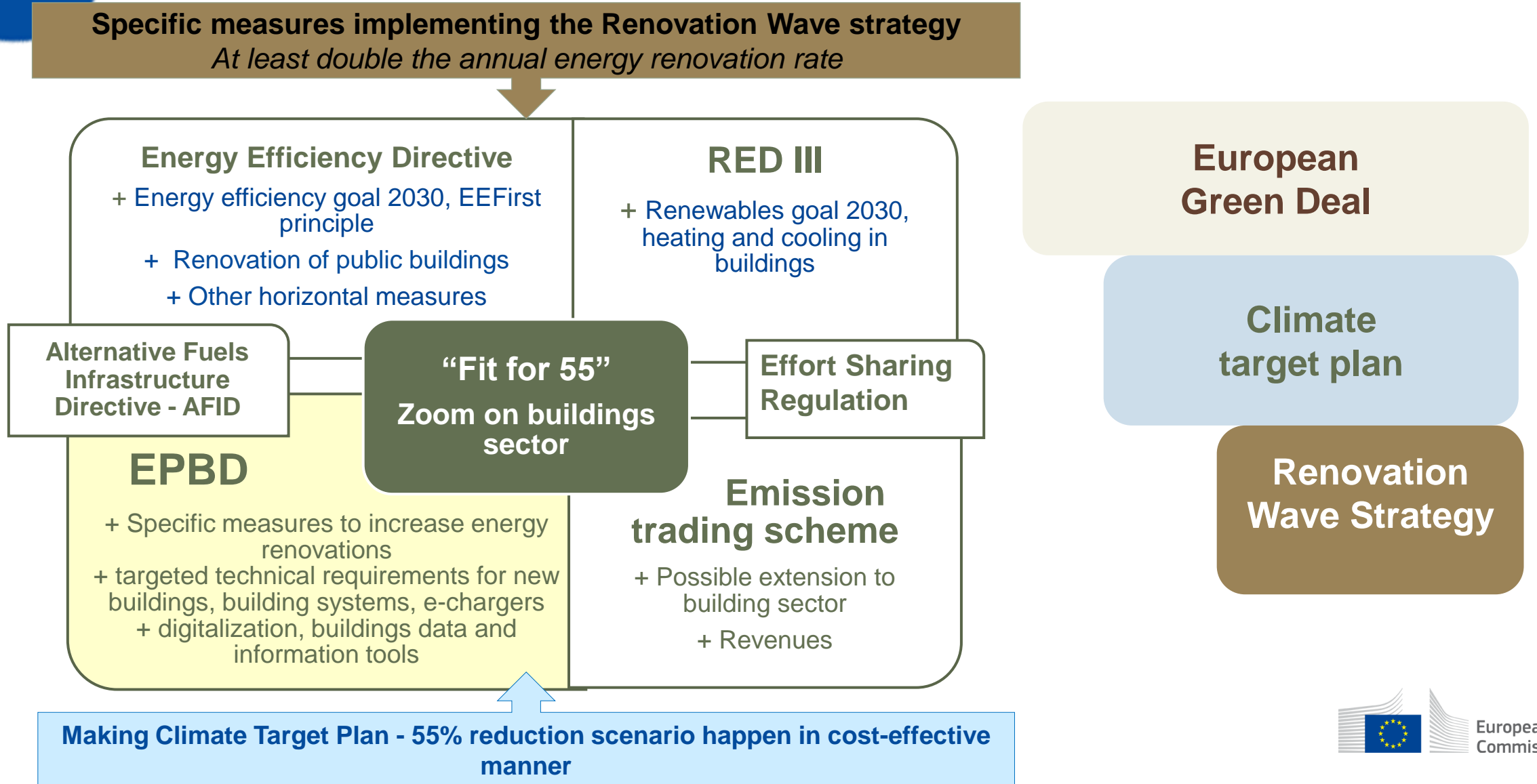
## To address Market Barriers

- 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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