



**Delivering on the European
Green Deal and Fit for 55**

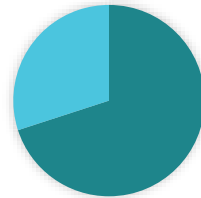
The European perspective of buildings decarbonisation

European Commission – DG
ENERGY
Unit B3 - Buildings and Products

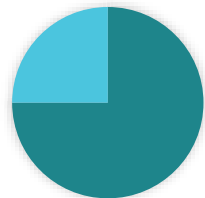
EU building stock

EU building sector is one of the **largest energy consumers** (aprox 42%) in Europe, responsible for **more than one third of the energy-related emissions**.

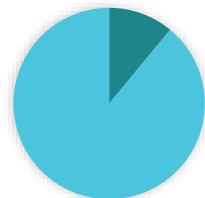
About **24 billion m2** permanently occupied floor area, more than **70 % residential**



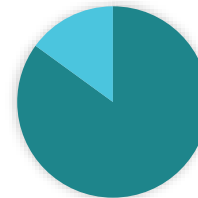
... **75 %** of the building stock has **poor energy performance** ...



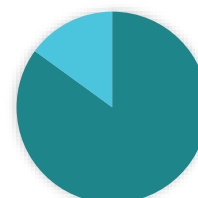
Aprox. **11%/yr** of existing buildings undergo some level of **renovation**, while only about **1%/yr** concerns **deeper energy renovation**



About **85 %** of existing EU dwellings were **built before 2000**, of which ...



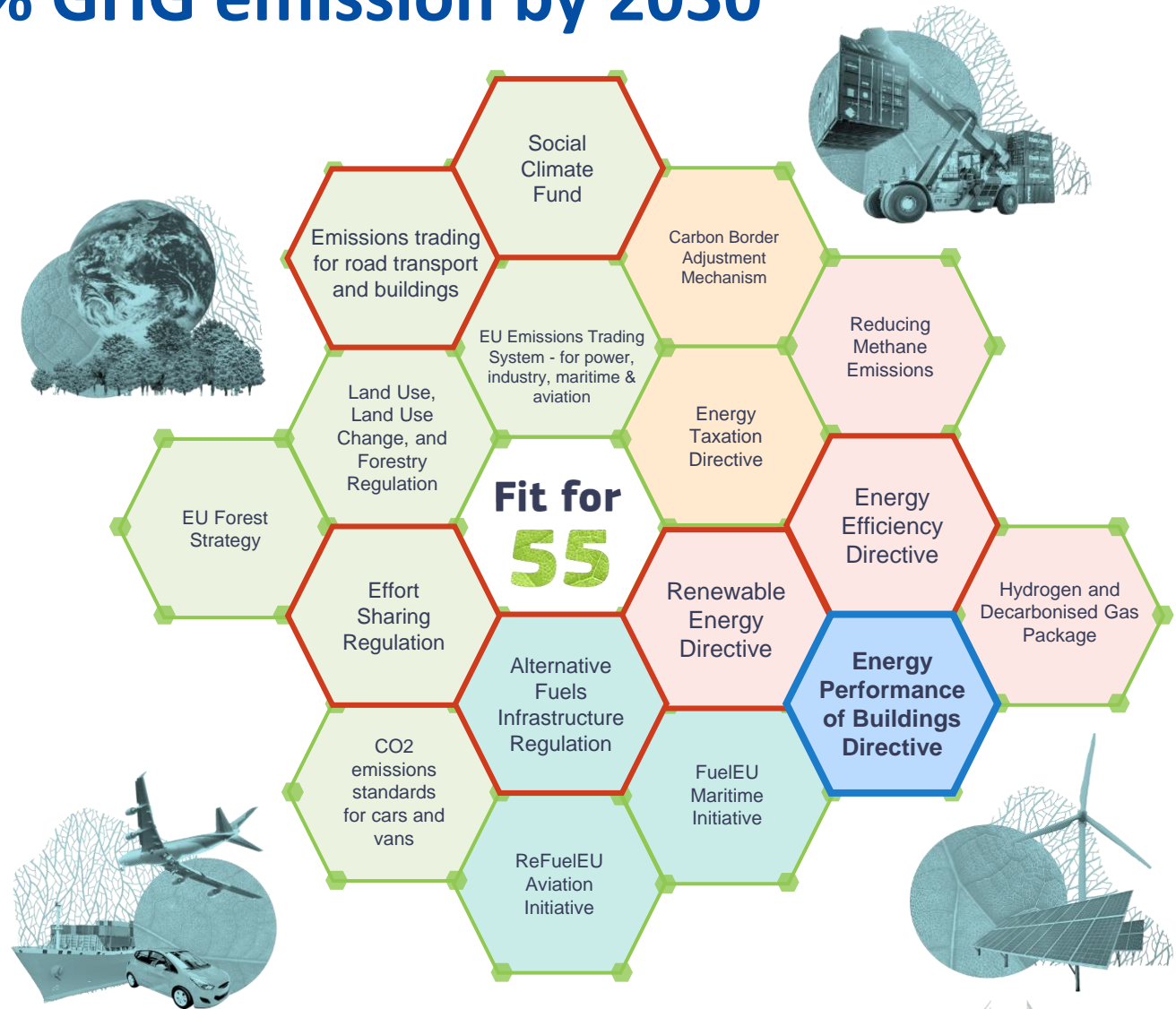
... **more than 85 %** of current stock will **still be in place in 2050**



“Fit for 55” package - 55% GHG emission by 2030

EPBD recast =
effective delivery
mechanism for the
buildings sector

Complementary directives
:
EED and RED



EPBD main provisions and timeline

- **Regulatory elements regarding existing buildings:**
 - National **trajectory to decrease** energy consumption in **residential** buildings
 - Renovate the **worst performing non-residential** buildings
- All new buildings need to be **Zero-emission** as from **2030**
- **Phase out of fossil fuel use** in buildings
- Deployment of **solar equipment** and **charging infrastructures** in buildings
- Introduction of whole-life cycle calculation and national roadmap with introduction of limit values
- **Enabling framework** : financing, focus on vulnerable household, technical assistance and one stop shops
- Elaboration of **National Buildings renovation Plans**



→ Now **time for EU Member States to implement the Directive** (transpose)

Provisions of the recast EPBD for Life-cycle GWP

- **Calculation of LC GWP** from 1-01-2028 for large new buildings & from 01-01-2030 for all new buildings (Art 7.2)
 - ✓ Calculation in accordance with the **main principles of Annex III**, pending the adoption of a DA to set out a **Union framework for the national calculation of GWP** by 31 December 2025 (Art 7.3)
- By 01-01-2027, publication & notification of **national roadmaps** detailing introduction of limit values and set targets (Art 7.5)

Decarbonisation of heating and cooling 1/2

- Fossil fuel boilers **financial incentives phase out** by January 2025 (EPBD article 17(15)) → [guidance issued](#)
- Legal basis to **set requirements on GHG emissions**, share of renewables, type of fuel for heat generators (EPBD article 13)
- National Building Renovation Plans : plan policies and measures with a view to a **complete phase-out of boilers powered by fossil fuels by 2040** (EPBD article 3 and Annex II)
- **Binding renewable targets**: including a strong and binding annual target for heating and cooling and a dedicated target for buildings (next slide RED),
- The recognition of **renewable energy plants** - including heat pumps - as overriding public interest (RED)

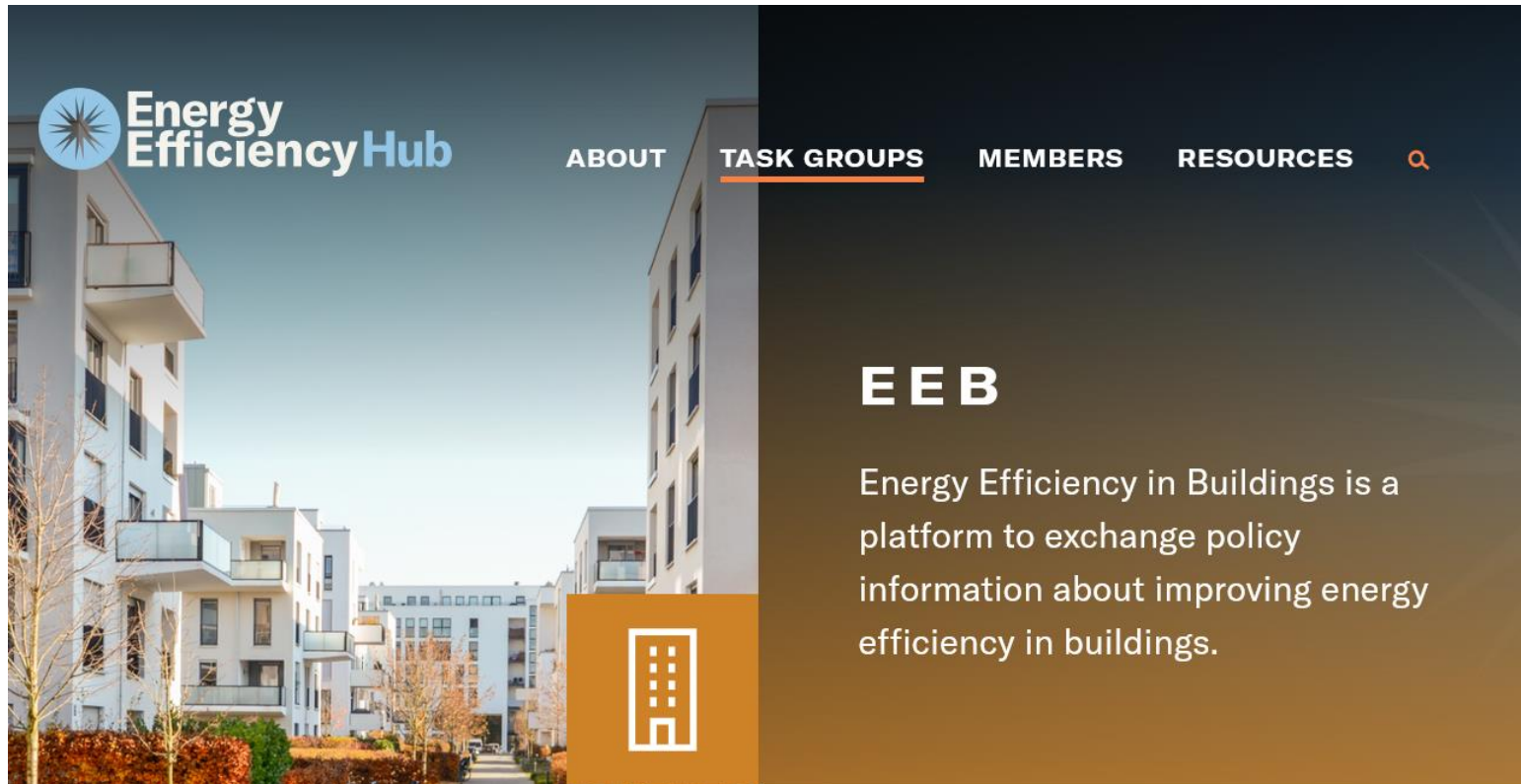
Decarbonisation of heating and cooling 2/2

- Regional and local authorities to prepare **local heating and cooling plans** (EED Article 25)
- **Efficient District Heating** and Cooling (EED)
- Eco-design and energy labelling legislation: minimum efficiency requirements for products put on the EU market
- Legal basis to set requirements on GHG emissions, share of renewables, type of fuel for heat generators (EPBD article 13)
- New Commission :
 - Electrification Action Plan
 - Strategic approach to heating and cooling that will contribute to making energy more affordable

→ Heat pump deployment in all applications (buildings, industry and district heating) is an important element of both workstreams.

The Global EU action on EE in buildings

- Co-chair with Germany the **EE Hub Building Task Group**
- Recent report on [Deep retrofits](#)



The Global EU action on EE in buildings

- Doubling and tripling pledge
- Following other initiatives such the Buildings Breakthrough and the Intergovernmental Council for Buildings and Climate (Declaration de Chaillot)

Thank you!

