



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

Webinar ‘Sustainable Living - what improvements does the Commission envisage in the energy and materials performance of buildings?’

#EUGreenDeal

VLEVA 25 January 2021



“We are determined to tackle climate change and turn it into an opportunity for the European Union”.

President von der Leyen

#EUGreenDeal



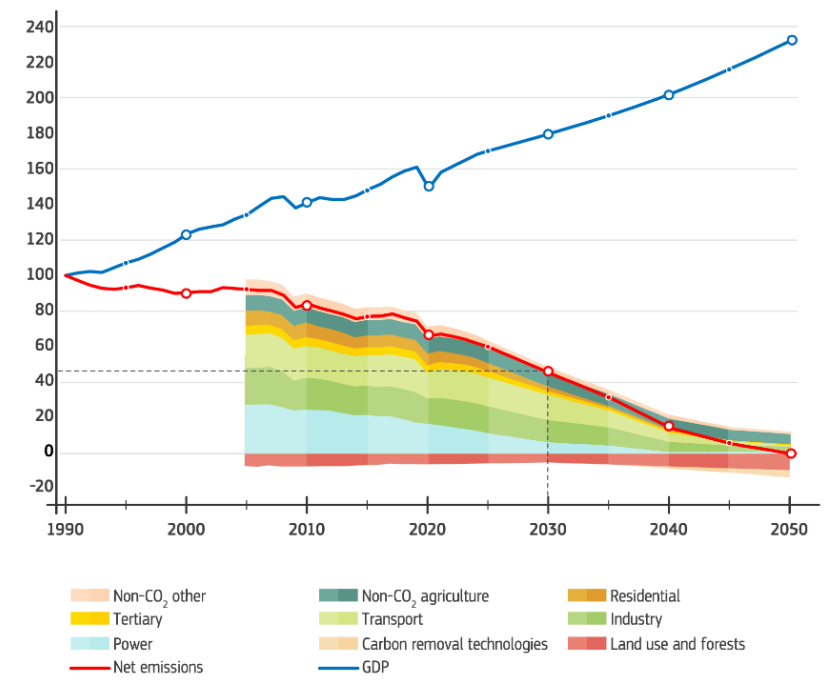
The European Green Deal



The 2030 Climate Target Plan



- EU-wide, economy-wide greenhouse gas emissions reduction target of **at least 55%**, including emissions and removals, by 2030 compared to 1990
- **Actions required across all sectors** of the economy and launch of revisions of the key legislative instruments
- Public debate in autumn 2020 to increase the EU's contribution to the Paris Agreement before the end of the year and set the stage for the Commission to make detailed legislative proposals by June 2021



https://ec.europa.eu/clima/policies/eu-climate-action/2030_ctp_en

Building Renovation for Climate Neutrality and Recovery



The building sector is one of the **largest energy consumers** in Europe, responsible for more than one third of the EU's energy-related emissions.



Effective actions are crucial to make Europe climate-neutral as:

- Only 1% of buildings undergo energy efficient renovation every year
- Roughly 75% of the building stock is energy inefficient
- Almost 85-95% of today's buildings will still be in use in 2050



Therefore, by 2030:

- 35 million buildings could be renovated and
- Additional green jobs created in the construction sector

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



'Energy efficiency first' as a horizontal guiding principle



Affordability, making energy-performing and sustainable buildings widely available, in particular for medium and lower-income households and vulnerable people and areas

Action Plan of the RW:

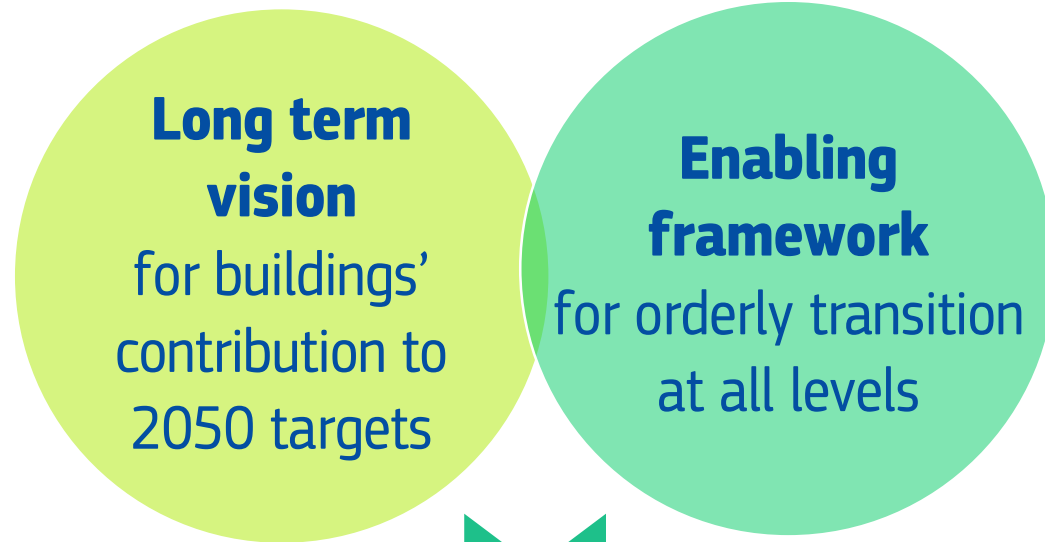
Revision of Energy Efficiency Directive & Energy performance of Buildings Directive



Energy Performance of Buildings Directive (recast)

Thyon les-Collons

Objectives



Climate target plan

- **60%** GHG reduction
- Reduce final energy consumption by **14%**
- **40%** renewables



Renovation wave

- Renovate **35 million** units
- Minimum **standards**
- Harmonise **EPCs**

A zero emission building stock by 2050

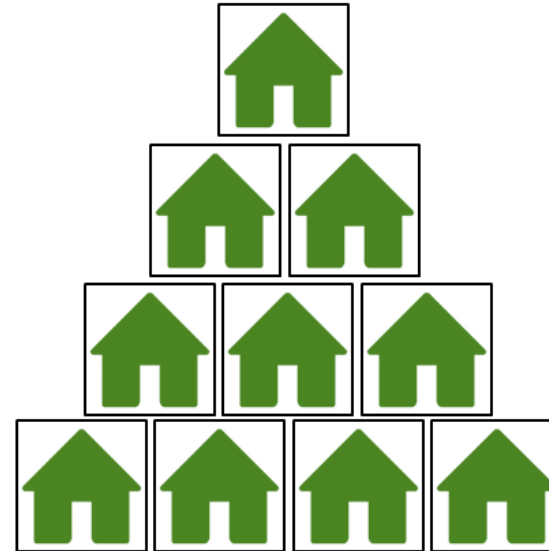
EU avg 2019:
22% of renewables H&C
34% renewable electricity*



G class building



Powered by renewables
zero direct CO2 emissions



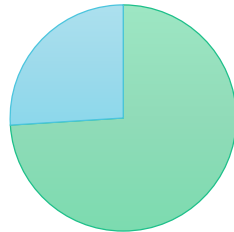
ZEB building



*according to Eurostat SHARES

EU building stock

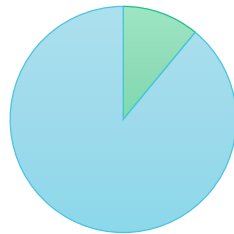
24 billion m² floor area,
around **74 % residential**



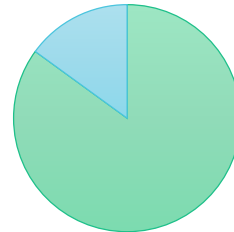
Around **186 million** residential
units are **permanently inhabited**



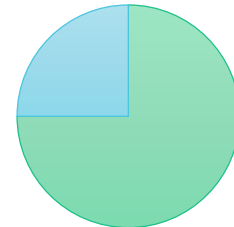
Only **11 %** of existing buildings undergo
some level of **renovation** each year



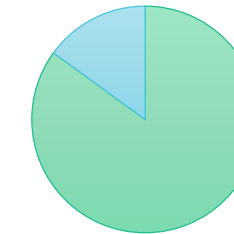
85 % of existing EU dwellings were
built before 2000, of which ...



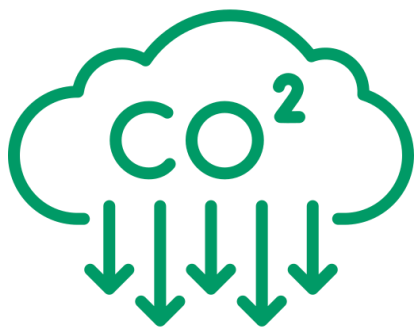
... **75 %** has **poor energy
performance** ...



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



Focus areas



Decarbonis-
ation

Energy
poverty

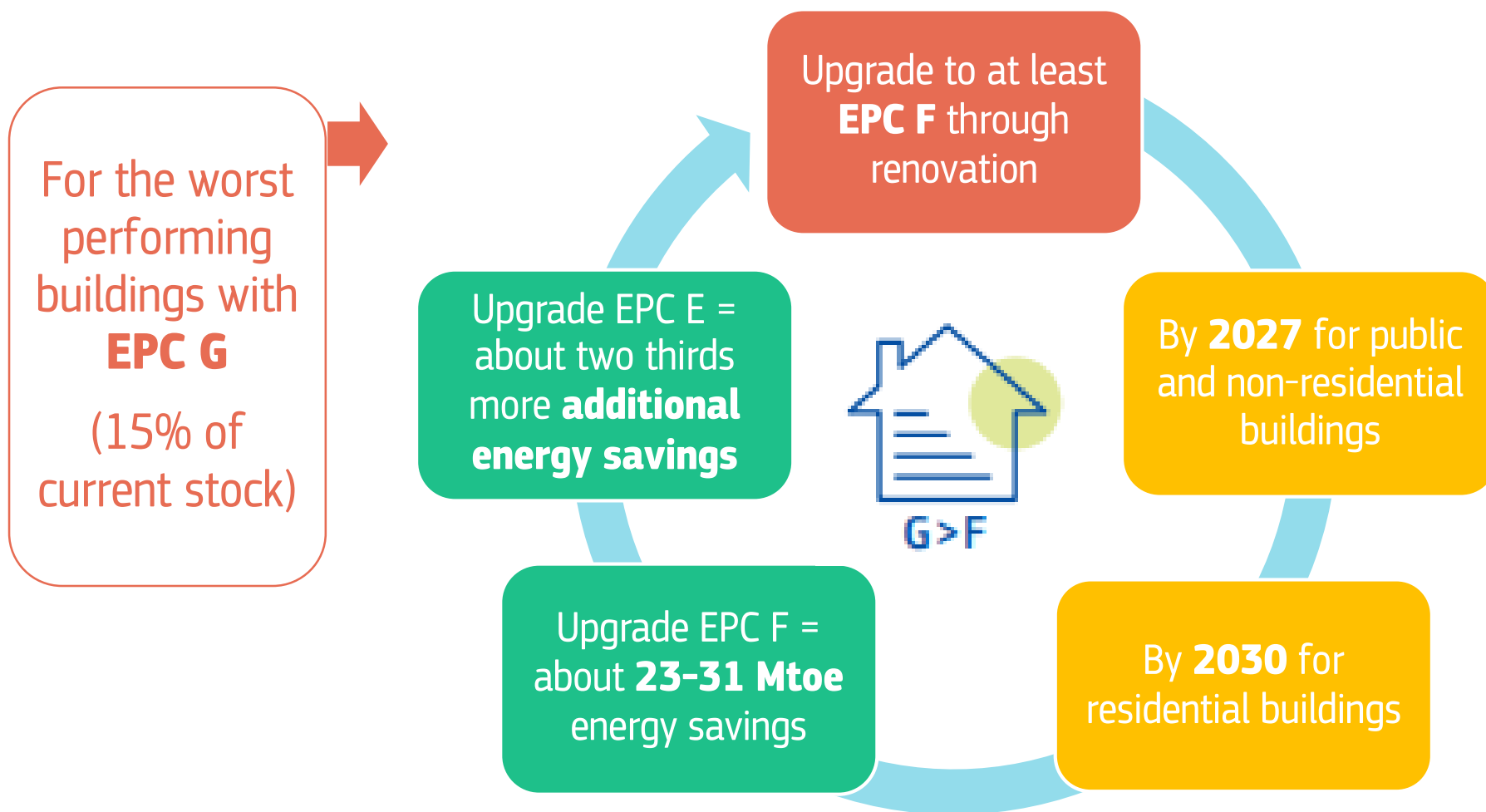
Recovery and
growth

Digitalisation
& system
integration

Main changes compared to 2018 EPBD



Minimum Energy Performance Standards

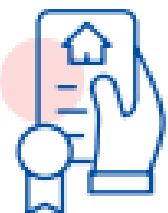


More reliable information tools



**Energy
Performance
Certificates**
strengthened
and harmonised

**Data access and
interoperability**
for buildings
and EPCs

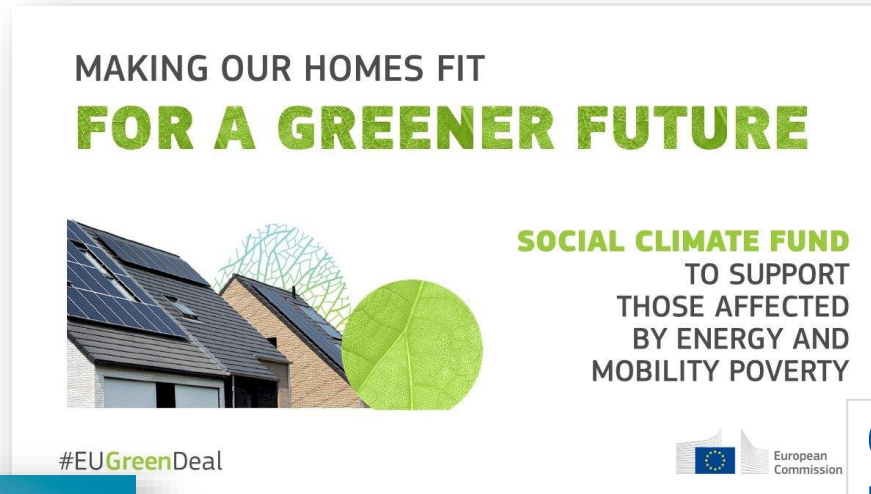


Common
**Building
Renovation
Passport**

**Smart Readiness
Indicator**
for large non-
residential buildings
from 2026



Time to act is now – exceptional financing opportunities

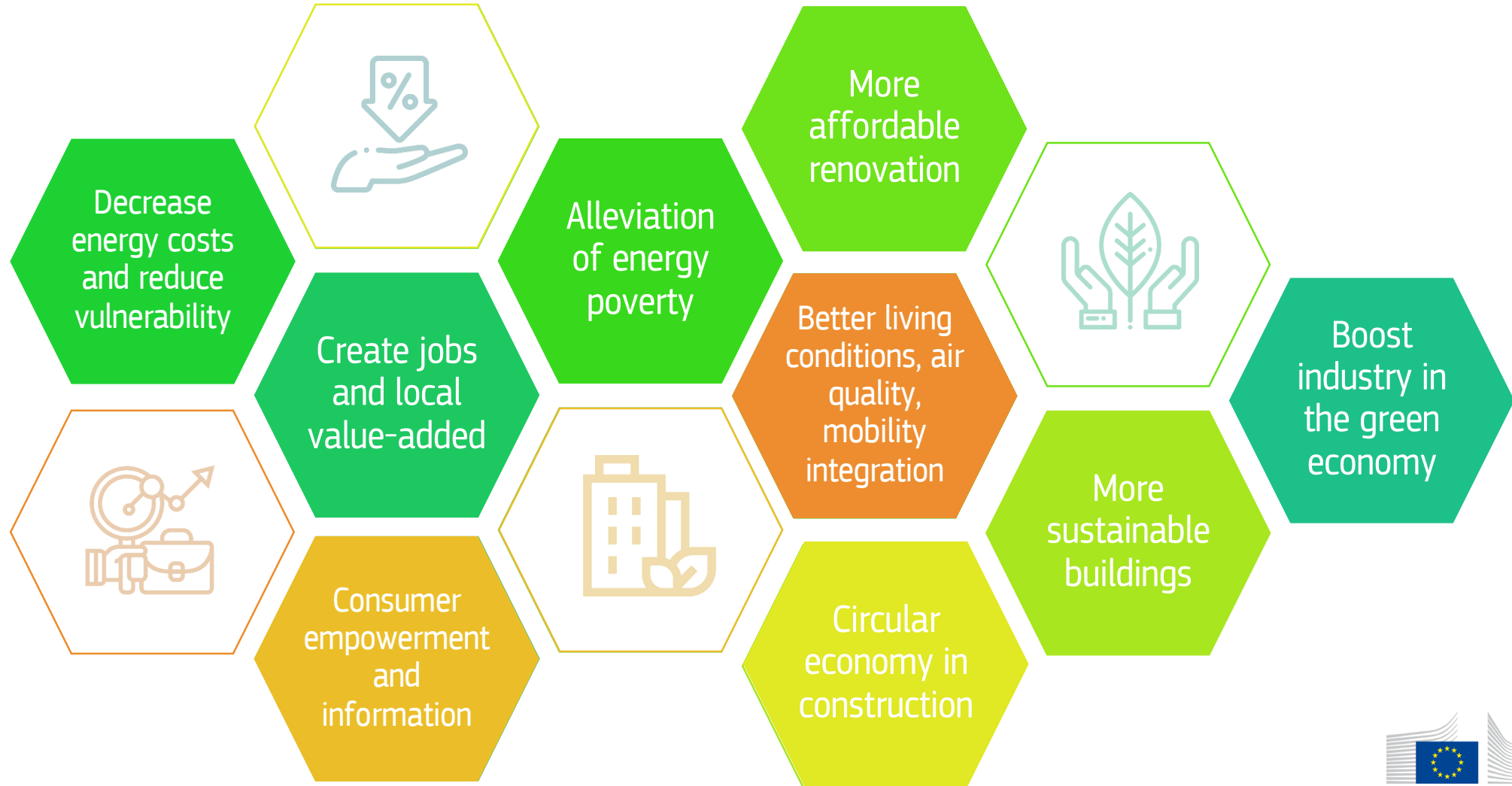


€ 61 billion for construction in **national Recovery and Resilience Plans** under the “Renovate” flagship



Climate Social Fund to mobilise € 144 billion for renovation from 2025

Benefits expected





Thank you

Brigitte Jacquemont – DG ENER

[Read more on the Energy performance of buildings directive](#)