



Renovation Wave

Revision of the EPBD

Conference Climate change & Built heritage
Architects' Council of Europe
28 October 2021

#EUGreenDeal



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

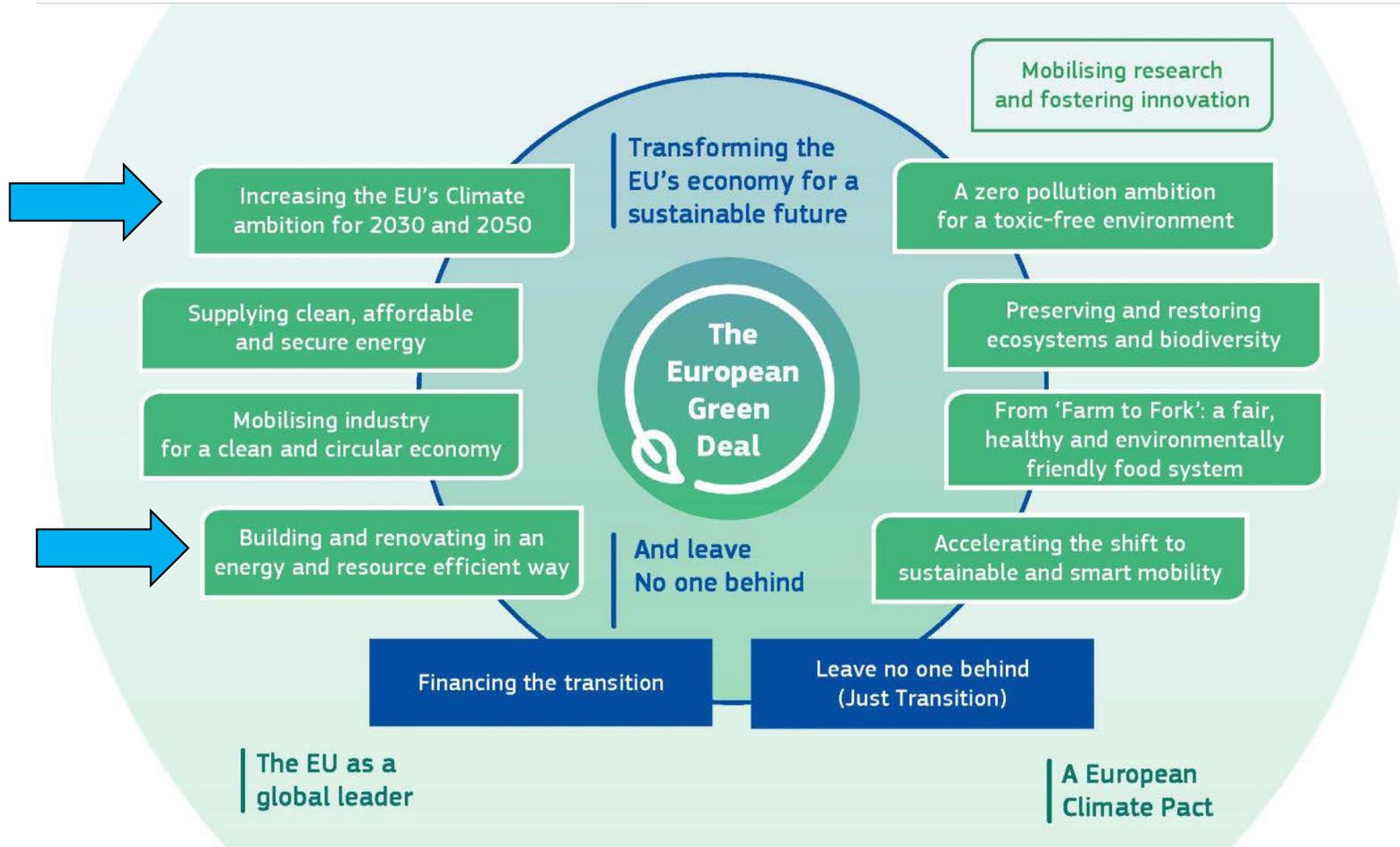
President von der Leyen

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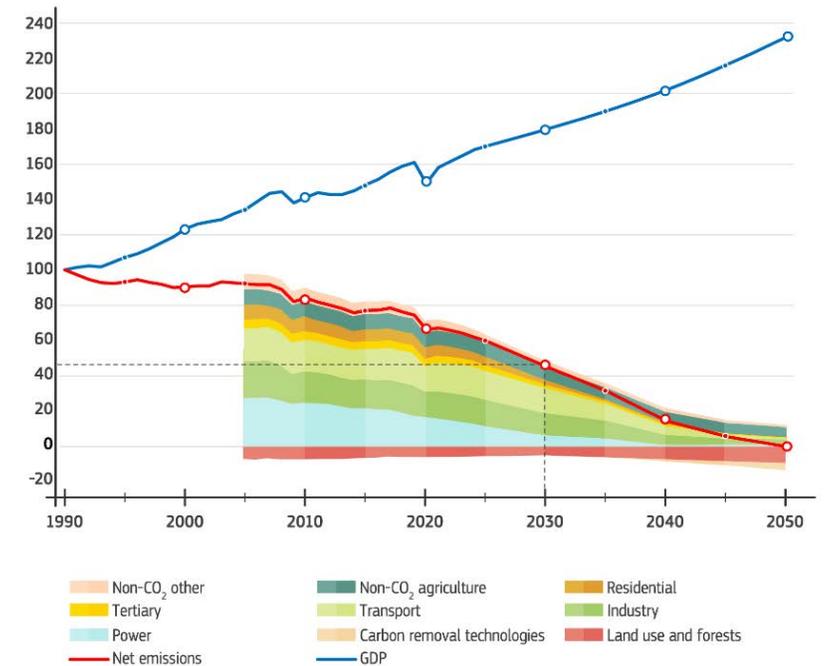
European
Commission

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

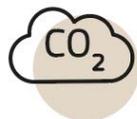
Making Europe's Buildings Remarkably Different



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



Decarbonisation and integration of renewables



Life-cycle thinking and **circularity**. Minimising the footprint of buildings requires resource efficiency and circularity combined with turning parts of the construction sector into a carbon sink.

Making Europe's Buildings Remarkably Different



High health and environmental standards.



Tackling the twin challenges of the green and digital transitions



Respect for aesthetics and architectural quality.

Renovation must respect design, craftsmanship, heritage and public space conservation principles.

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

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

- **Minimum Energy Performance Standards**
 - *New instrument to be introduced, several design options possible*
- **Deep Renovation**
 - *Establish a definition revisiting the - 60% energy savings*
- **Building Renovation Passport**
 - *Gradual steps, link with other instruments*
- **Strengthening of energy Performance Certificates**
 - *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**
 - *Accelerate next steps and create synergies with other tools*
- **Electro-mobility**



Increase renovation rate and depth



Enable the decarbonisation of buildings



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



Brigitte Jacquemont – DG ENER

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