Why renovation?

- 40% of total energy consumption
- 36% of greenhouse gas emissions
- 85% of building stock is over 20 years old...
- ... and consumes twice as much energy as new builds
- 34 million people live in energy poverty
- €275 billion investment gap to reach 2030
- Economic stimulus

European Commission
Where are we now?

An established framework ...

- Clean Energy for All Europeans Package 2018 and 2019
- A solid basis for energy market integration, renewables deployment and energy efficiency promotion
- Existing regulatory framework and funding instruments to promote energy efficiency, building renovation and renewables deployment at building, neighbourhood and district level

... impact to be scaled up

- Only 11% of existing building stock undergoes renovation each year
- Renovation works only rarely address energy performance of buildings
- Currently, annual weighted average of energy renovation is only 1%
- Renovation is held back by barriers throughout the value chain
What is the ‘Renovation Wave’?

- Major initiative by the European Commission in the framework of the European Green Deal
- Strategic communication published on 14 October 2020, containing an Action Plan for the years to come
- Concerted action at all levels, from the local to the regional, national and European
Objectives

**Double** the annual energy renovation **rate** by 2030 and increase renovation **depth**

- **12-18** local jobs per million euro invested
- **160,000** green jobs in construction
- -60% greenhouse gas emissions
- -14% energy consumption
- -18% heating and cooling

Renovation of **35 million** building units
A transformative agenda

Climate neutral buildings
- Reduced pressure for natural resources and greenfield construction
- Adaptable buildings resilient to extreme natural events

Smart and healthy buildings for better lives
- Buildings producing energy, with recharging points for e-mobility and bike parking
- Smart buildings providing essential data for city planning and services
- Style, affordability and sustainability

Neighbourhood and communities
- Healthier, greener & more accessible buildings
- Interconnected neighbourhood districts
- Energy communities
Key principles for an integrated approach

- Energy Efficiency
- Affordability
- Climate neutrality, digital transition, renewables
- Life-cycle thinking and circularity
- Health and environmental standards
- High architectural quality
7 lead intervention areas

- Information, legal certainty and regulation
- Accessible and well-targeted funding
- Project and technical assistance
- Integrated interventions for smart buildings
- Construction sector for the sustainable future
- Addressing energy poverty and healthy housing
- Decarbonisation of heating and cooling
Actions to remove barriers

Information and incentives
- MEPS
- EPC Audits

Funding
- MFF
- RRF

Capacity
- Tech. assistance
- One-stop shops

Sustainable construction
- Life-cycle, materials
- Digital dataspace
- Fuel switch, EU ETS
- EED and REDII

Heating Cooling
Focus areas

**Heating and cooling**
- efficient and low-CO2 tech
- target for RE supply
- minimum threshold of RE

**Energy poverty**
- a recommendation on energy poverty
- LTRS: developing effective strategies to combat energy poverty through renovation
- mandatory minimum energy performance standards
- One-stop-shops, standardised solutions (financing, technology)
- Affordable Housing Initiative

**Public buildings**
- renovation requirements
- MEPS + milestones for 2030, 2040 and 2050
- guidance on EEF principle
- public procurement (life-cycle and climate resilience)
- RRF and MFF funds + TA
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
Bauhaus Initiative

What is the ‘Bauhaus Initiative’?

- Inspired by the Bauhaus art school
- Bridge between the world of science and technology, and the world of art and culture
- Combining good design and sustainability
- Demonstrate that the necessary can also be beautiful
- Forum, laboratory, accelerator, meeting place
Bauhaus Initiative

What is the ‘Bauhaus Initiative’?

Rollout-steps:

1 - Design phase

- Gathering: designers, architects, artists, digital experts, scientists, entrepreneurs, engineers and students.
- Until summer 2021: co-creation process
- Define and shape the movement
- Commitment to people, sustainability, and innovation
Bauhaus Initiative

What is the ‘Bauhaus Initiative’?

Rollout-steps:

2 - Delivery phase

- Calls for proposals under the next MFF
- Second half of 2021
- 5 new European Bauhaus projects in different Member States

3 - Diffuse phase
Thank you