



# Renovation Wave

Greening our buildings

Creating jobs

Improving lives

Robert Nuij, deputy Head of Unit for Energy Efficiency: policy and financing

Leuven 2030: Digital Climate Ambassador event - European Green Deal

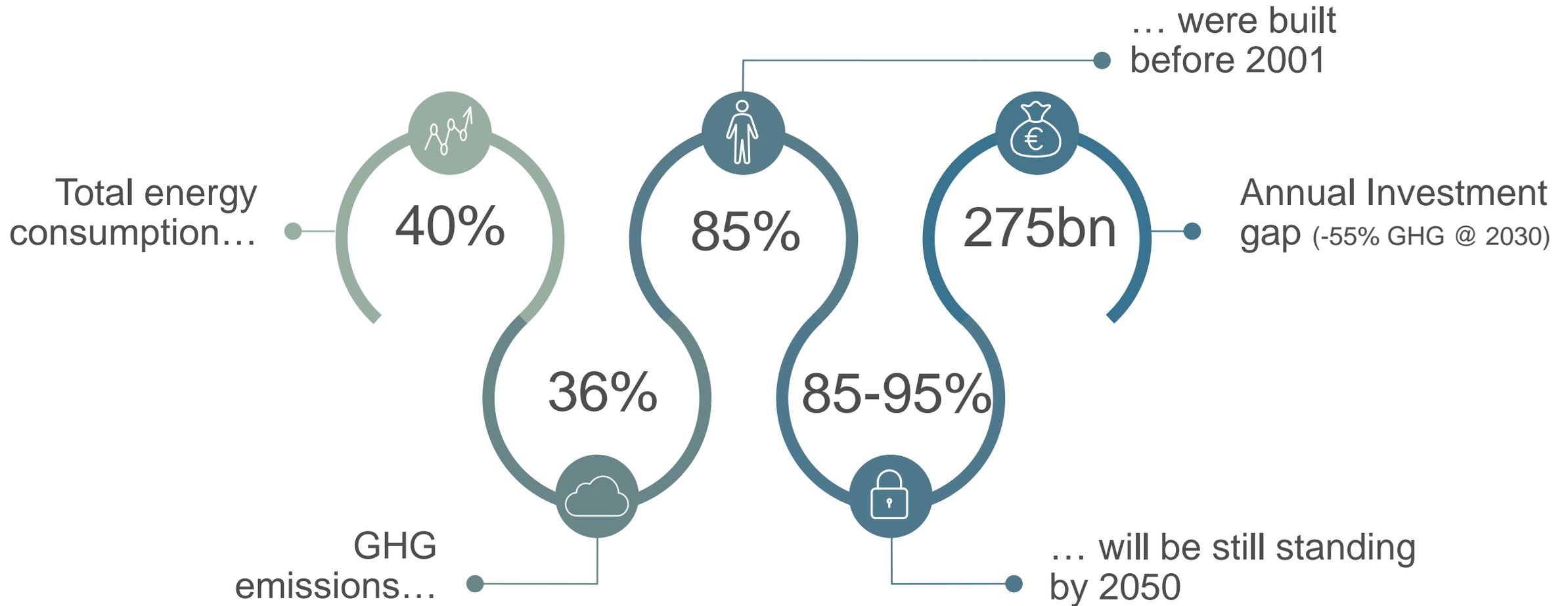
Thursday, 4 February 2021



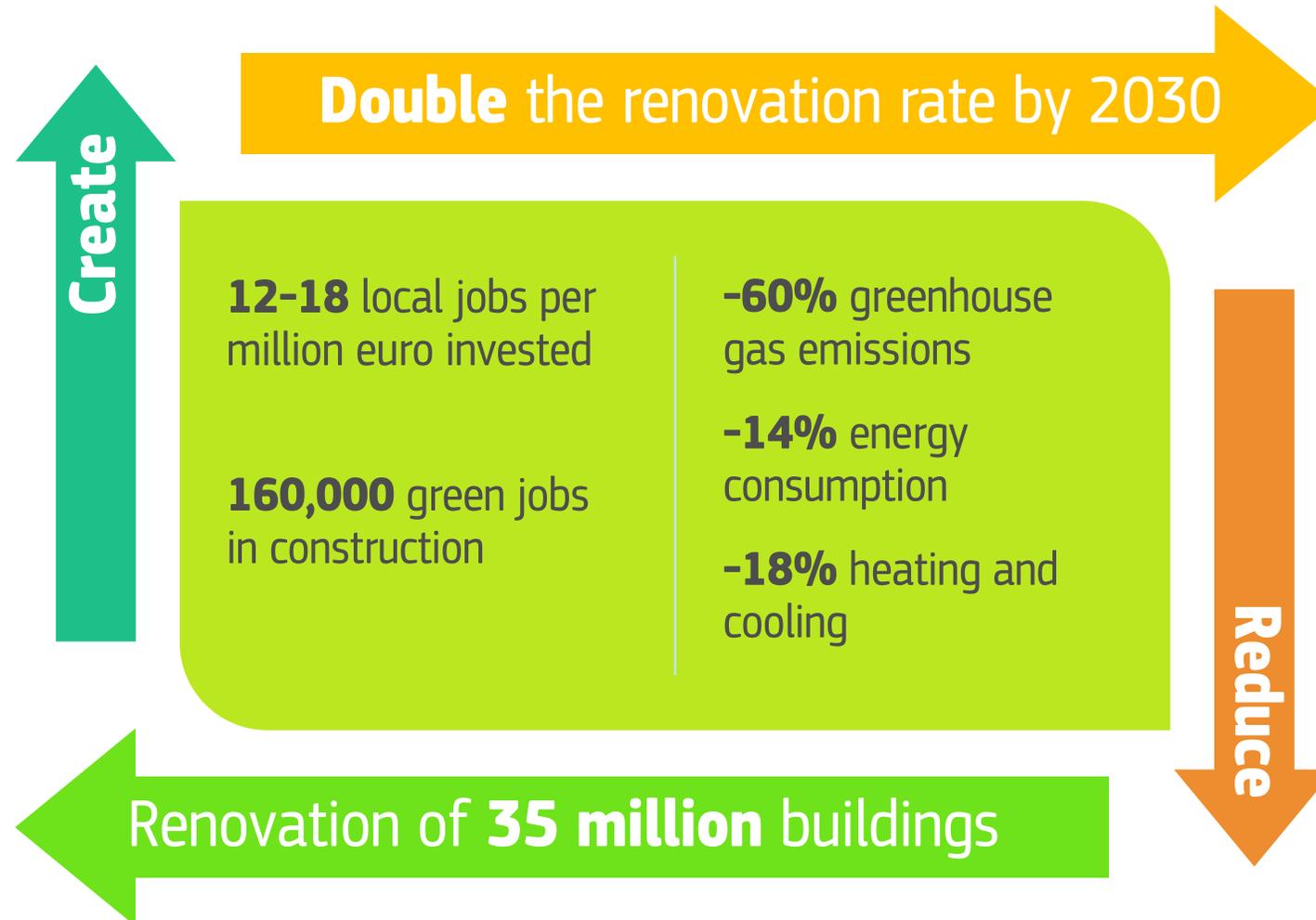
*Executive Vice-President for the  
European Green Deal,  
Frans **Timmermans**:*

*“We want everyone in Europe to have a home they can light, heat, or cool without breaking the bank or breaking the planet. The Renovation Wave will improve the places where we work, live and study, while reducing our impact on the environment and providing jobs for thousands of Europeans.”*

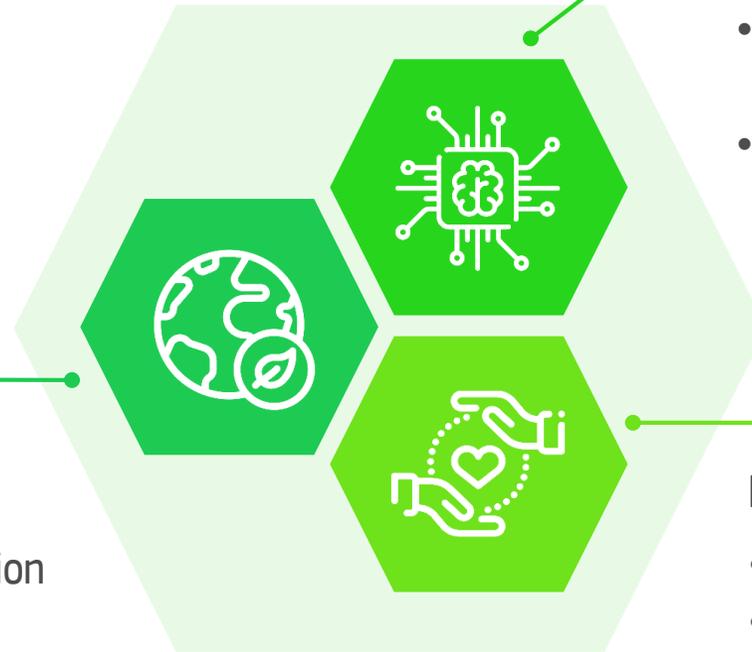
# Why renovation: buildings in numbers



# Objectives



# A transformative agenda



## Smart buildings

- Buildings producing energy, with recharging points for e-mobility and bike parking
- Smart buildings providing essential data for city planning and services

## Climate neutral buildings

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

## Neighbourhood and communities

- Healthier, greener & more accessible buildings
- Interconnected neighbourhood districts
- Energy communities

# 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

## ... but not enough impact

- Only 1.1% of existing building stock undergoes renovation each year
- Renovation works only rarely address energy performance of buildings
- Currently, renovation reduces energy consumption by 1% and uptake of renewable energy remains low
- Renovation is held back by barriers throughout the value chain

# Seven intervention areas



Information, legal certainty and regulation

Accessible and well-targeted funding

Project and technical assistance

Green jobs, upskilling and attracting new talents

Construction sector for the sustainable future

A participatory neighbourhood approach for smart decarbonised buildings

European Bauhaus: a new European aesthetic that combines performance with inventiveness

# With a focus on



## 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

## Heating and cooling

- efficient and low-CO2 technology
- target for Renewable Energy supply
- minimum threshold of Renewable Energy

# 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

# Benefits

Healthier, greener & more accessible buildings, interconnected within a neighbourhood district

Sustainably renovated buildings reducing pressure on natural resources and greenfield construction, helping to preserve nature, biodiversity & fertile agricultural land

More adaptable buildings that are resilient to extreme natural events

Buildings ready for a sustainable future - producers of energy, with recharging points for e-mobility and bike parking



# Thank you

Further information:

[https://ec.europa.eu/energy/topics/energy-efficiency/energy-efficient-buildings/renovation-wave\\_en](https://ec.europa.eu/energy/topics/energy-efficiency/energy-efficient-buildings/renovation-wave_en)