



Renovation Wave

Greening our buildings

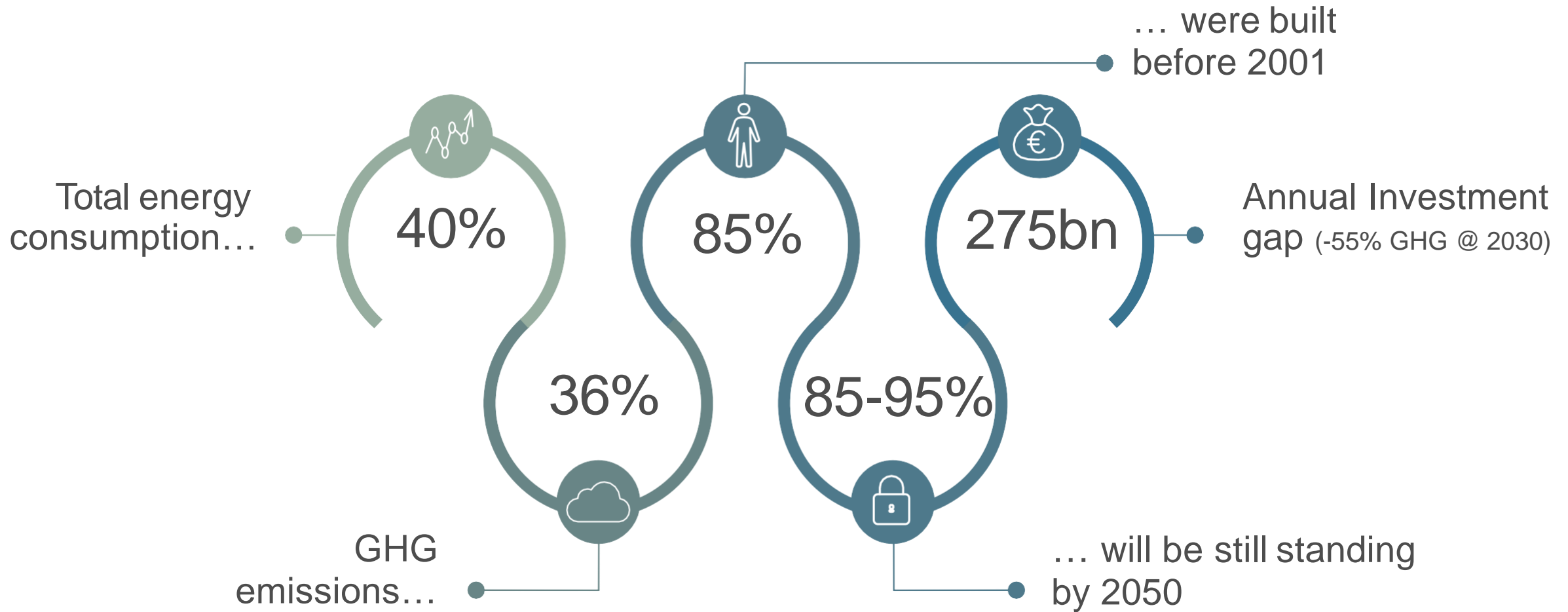
Creating jobs

Improving lives

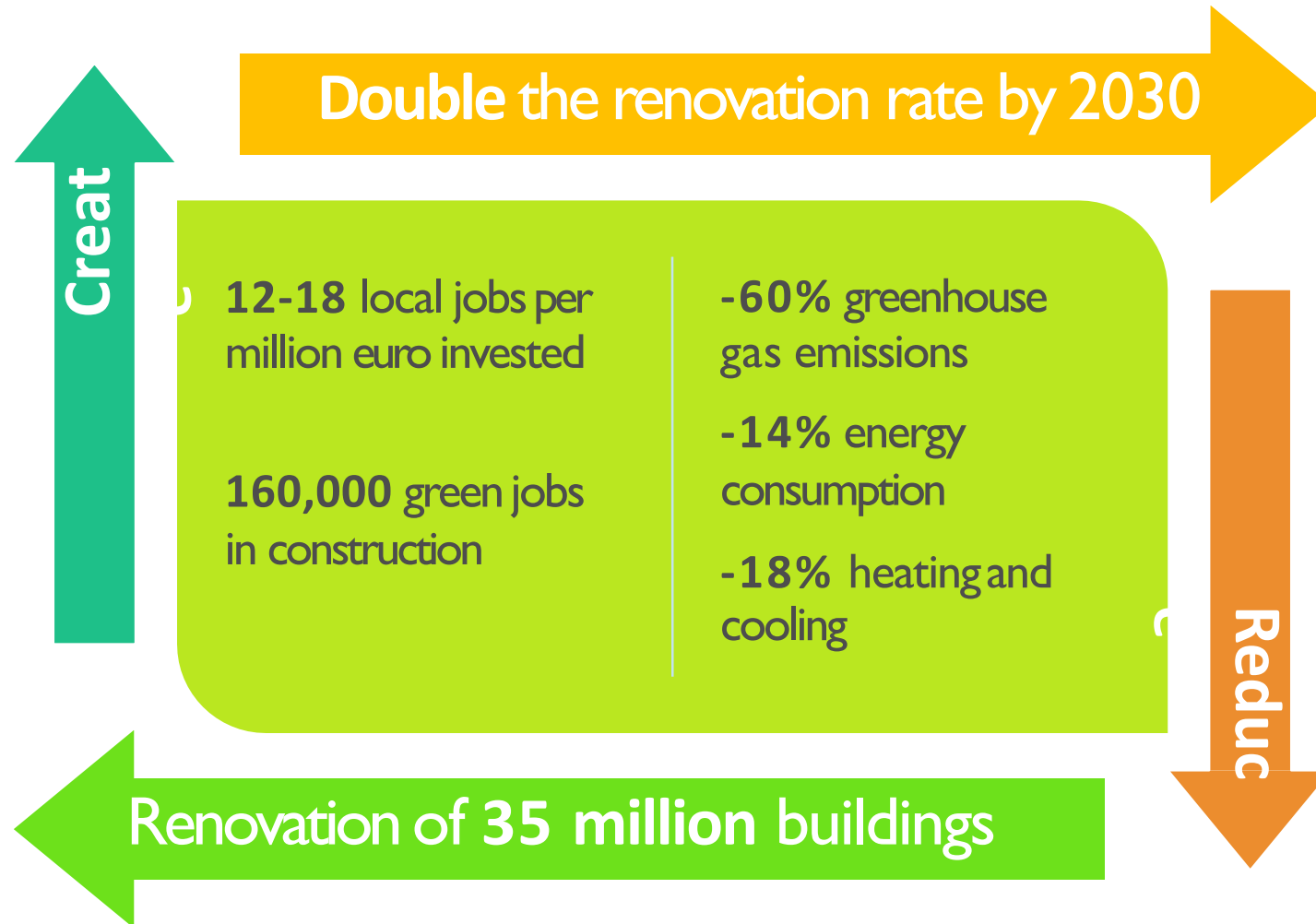
Paula Rey Garcia, deputy head of unit Energy efficiency: buildings and products

SEI forum webinar on 'Channelling investments to the renovation of social housing in Europe', 23 October 2020

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 11% 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 areas of intervention



Information, legal certainty and regulation

Accessible and well-targeted funding

Project and technical assistance

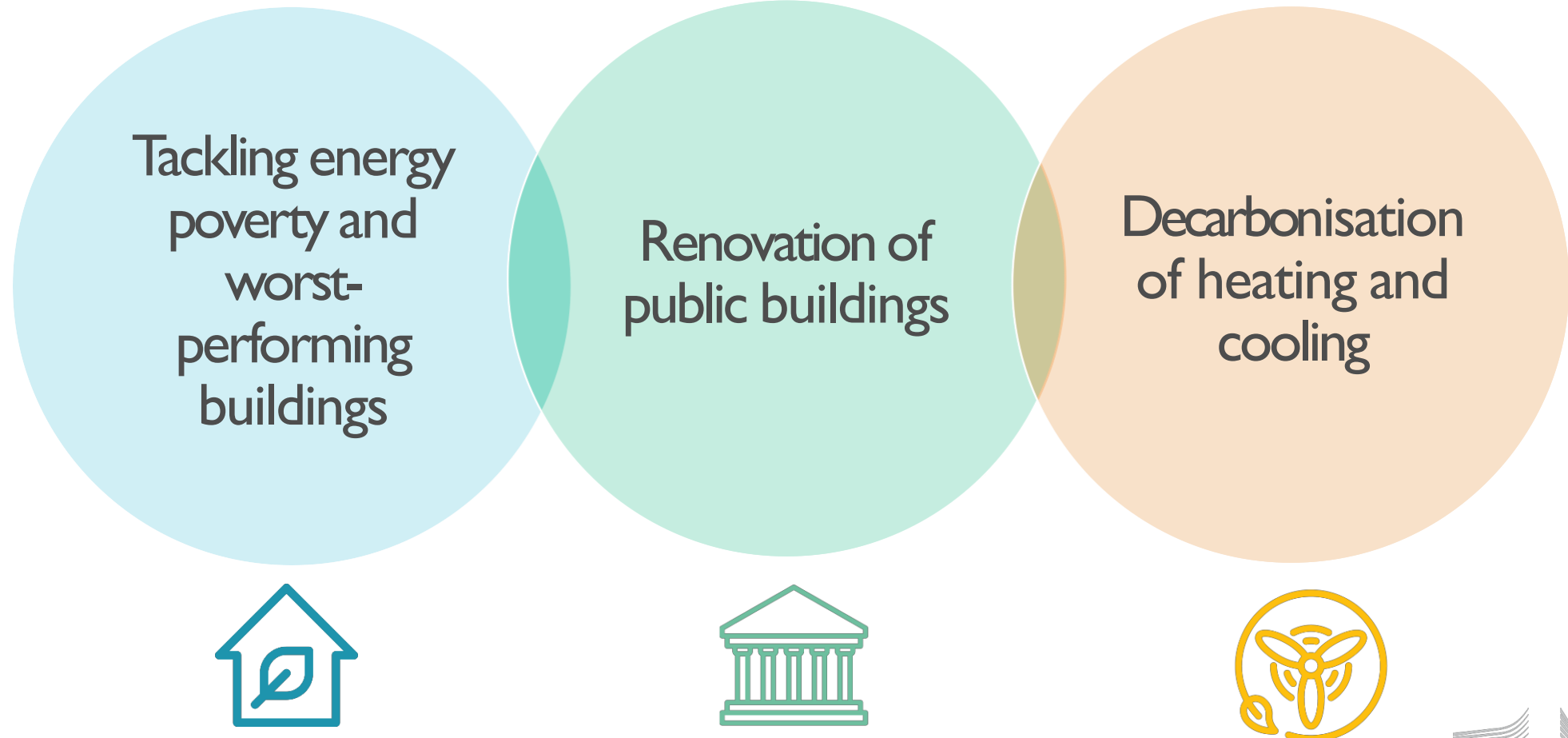
Green jobs, upskilling and attracting new talents

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

3 focus areas



Energy poverty & worst-performing buildings

34 million people

- in energy poverty

800,000 social homes

- require renovation each year

€57 billion investment gap

- in social and affordable housing, annually

Recommendation

- on energy poverty

EPBD

- minimum Energy Performance Standards

LTRSs & NECPs

- developing effective strategies to combat energy poverty through renovation

Standardised solution packages

- finance, tech, works

Affordable Housing Initiative

Benefits

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



Sustainably renovated buildings reducing pressure for 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 sustainable future - producers of energy, with recharging points for e-mobility and bike parking



Thank you