

Renovate Europe Day 2025



Renovate Europe Day 2025



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Renovate Europe Day 2025



Welcoming remarks:



Moderator

Adrian Joyce

Director

Renovate Europe Campaign



Morten Helveg Petersen

Chair

SYNERGI



Julie Kjestrup

President

Efficient Buildings Europe

Renovate Europe Day 2025

Keynote Speech:



Dan Jørgensen

European Commissioner
Energy & Housing

Renovate Europe Day 2025

Setting the Scene for Future Efficient and Affordable Buildings



Oliver Rapf

Executive Director

Buildings Performance Institute Europe (BPIE)



Setting the scene for future efficient and affordable buildings

3 Nov 2025

| Oliver Rapf

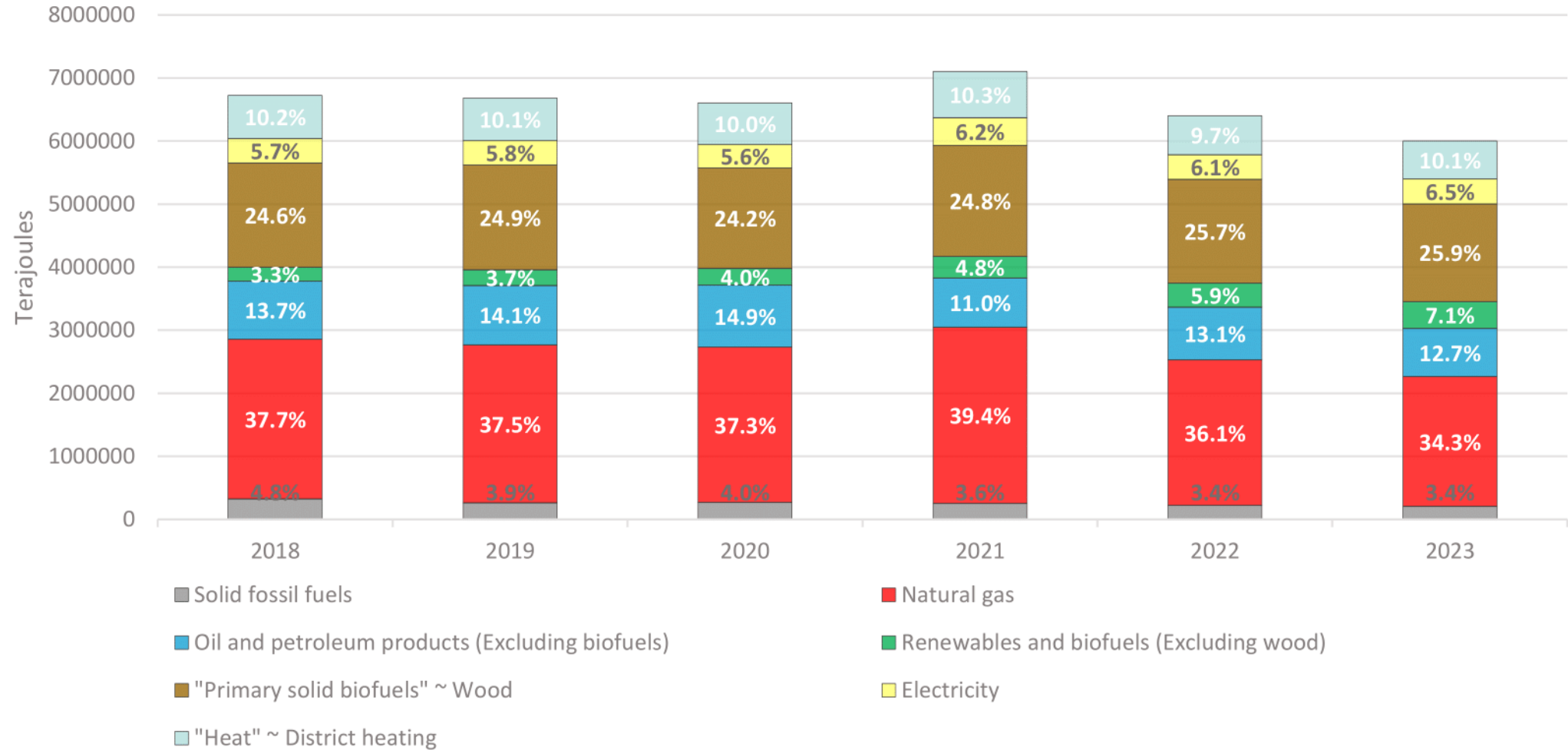
Renovate Europe Day
Copenhagen



Renovation Wave

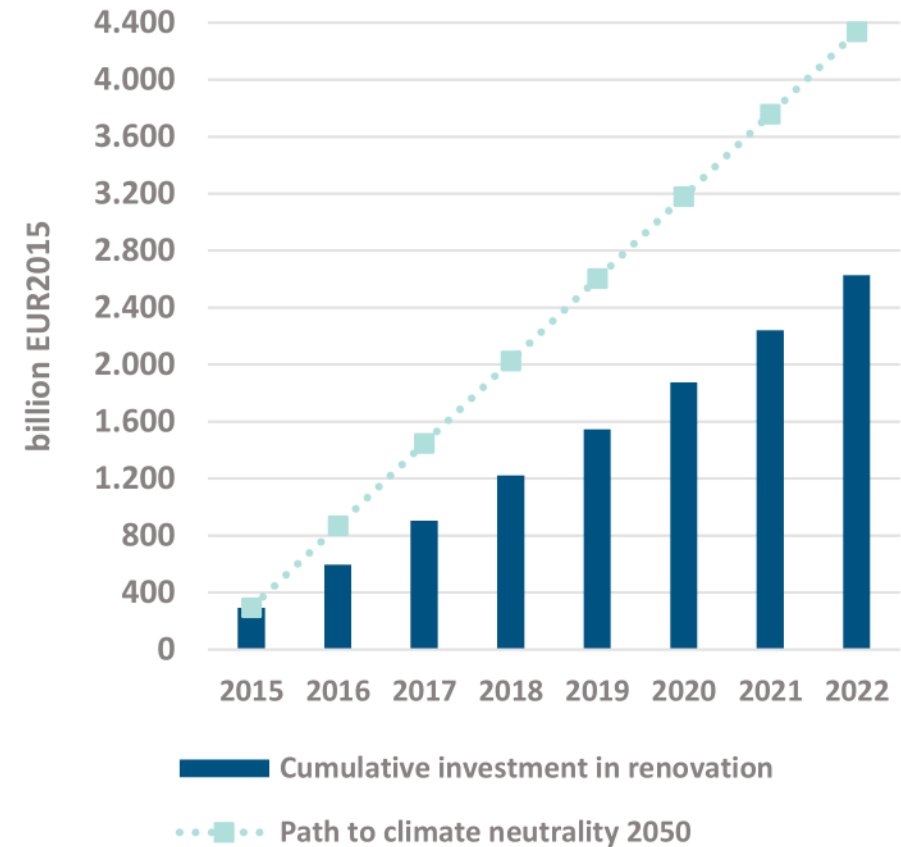
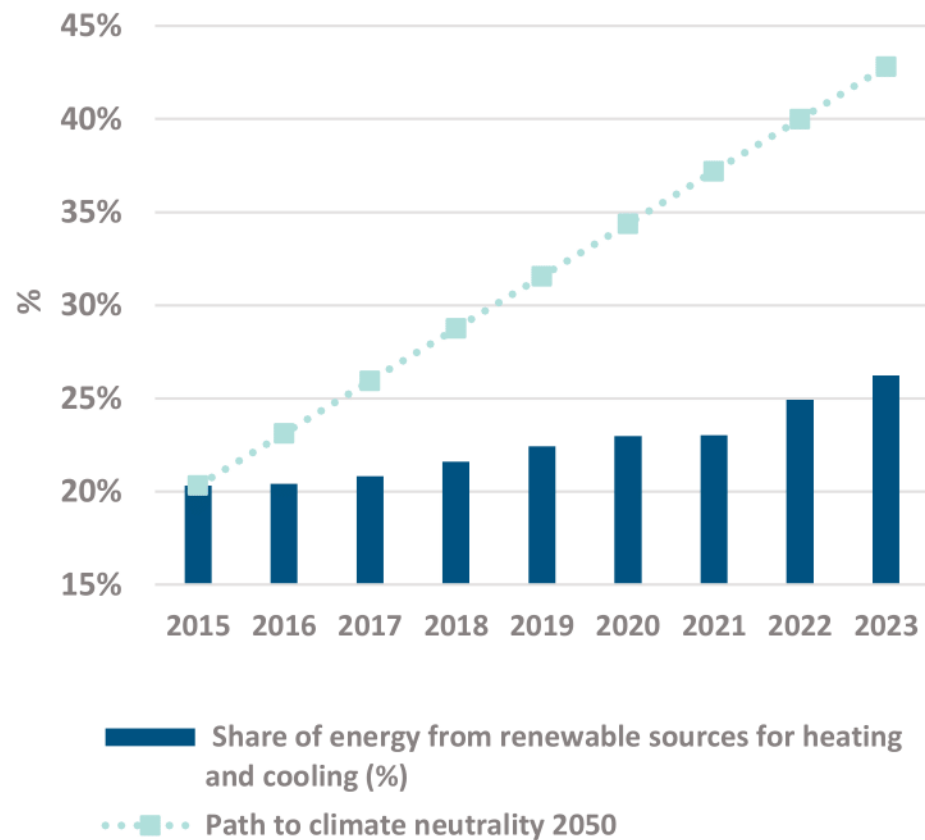
Where is the wave we can catch?

EU27 Annual Final energy consumption in the residential sector per source for heating



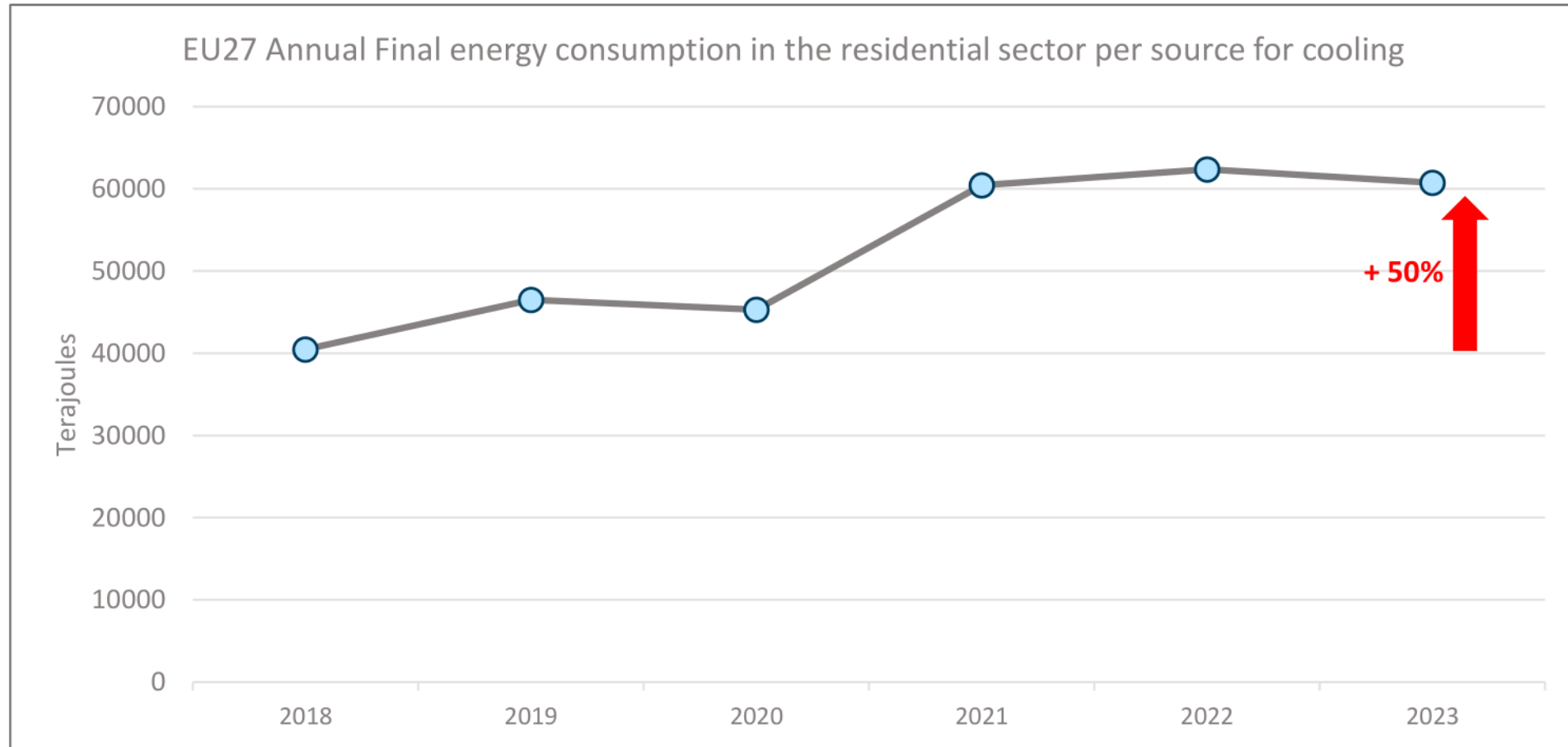
Renovation Wave

Where is the wave we can catch?



Renovation Wave

Adding another challenge



Takeaway #1

The doubling of clean energy and reductions in fossil fuel usage show the sector is transitioning. The growth in demand for cooling now challenges the efficiency gains seen in heating.



National Building Renovation Plans

BPIE survey to find out what's happening



Official Journal
of the European Union

DIRECTIVE (EU) 2024/1275

Article 3 § 1

Each Member State shall establish a **national building renovation plan** to ensure the **renovation of the national stock** of residential and non-residential buildings, both public and private, into a **highly energy-efficient and decarbonised building stock by 2050**, with the objective to transform existing buildings **into zero-emission buildings**.

Article 3 § 4

To support the development of its national building renovation plan, each Member State shall **carry out a public consultation on its draft** national building renovation plan **prior to submitting it to the Commission**.



NBRP PROGRESS SURVEY

HOW, WHEN AND WHO

Looking for **information** on

- ☐ Public consultations for NBRP
- ☐ Preparation for drafting NBRP

Used a combination of qualitative and quantitative **questions on respondents' attitudes**

Survey conducted **July-September 2025**



52 responses from

- ☐ 19 countries: Austria, Belgium, Bulgaria, Croatia, Czechia, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Poland, Portugal, Romania, Slovakia, Spain, Sweden, the Netherlands
- ☐ **NGOs 37%**
- ☐ **Individual businesses 25%**
- ☐ **Business associations 19%**
- ☐ **Academic and research 12%**

NBRP PROGRESS SURVEY

Key findings and widespread needs



The responses show that the public consultations for NBRP **do not appear to be a priority in many Member States.**

While limited actions are taking place, more is required.

Respondents mentioned the **following issues in certain Member States**

1. Issue with broad-ranging **inclusivity** in public consultation processes
2. Lack of transparent **information** on the NBRP development
3. Problem of **capacity** in the administrative bodies responsible for NBRP
4. Issue of **political certainty** and **continuity** for drafting NBRP

Takeaway #2

National building renovation plans are essential for decarbonising buildings and delivering social and economic benefits.

They will only work if governments involve citizens through meaningful public consultation.

EU citizens survey

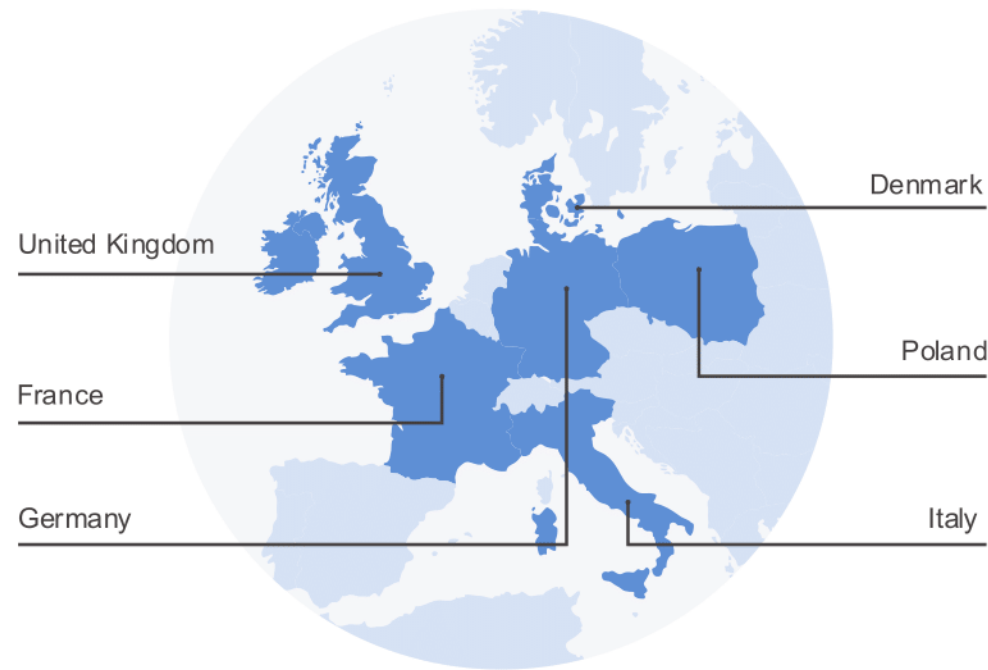
Understanding citizen perceptions of healthy buildings

Purpose of the survey

To explore people's perceptions, experiences, and expectations around healthy buildings:

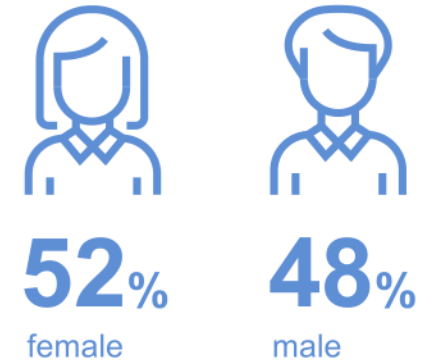
- How indoor environments affect physical and mental well-being
- Satisfaction with aspects like air quality, temperature, lighting, and ventilation
- Attitudes towards healthier and more resilient buildings.
- Awareness, motivations, and barriers to improving home health and support for policies promoting healthier living environments.

Geographical scope



6,102 respondents **6** countries

Survey demographics



18 – 60+ years

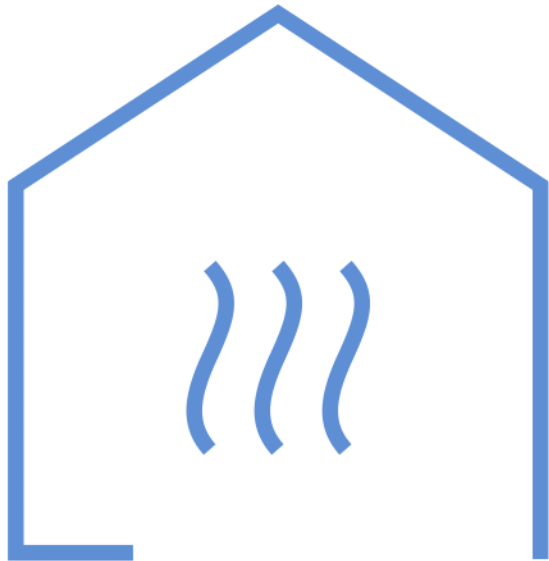
Urbanization levels

City
Suburb
Town
Rural areas

Europe's buildings are not resilient to heat extremes

— overheating is a growing concern across all countries and building types; from homes to schools and workplaces, with no clear north–south divide.

In general, do you think your home is suited to handle heatwaves (extreme temperatures)?



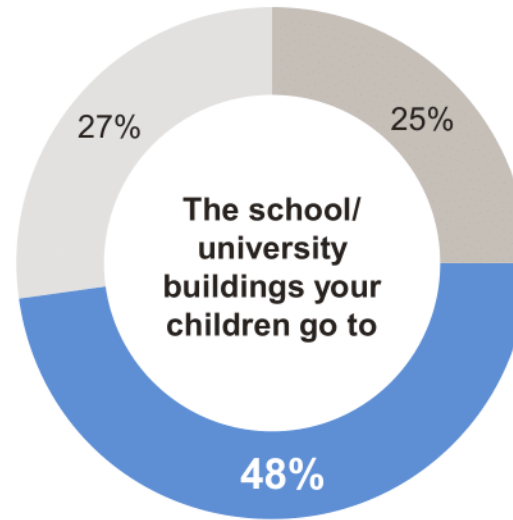
45 %

Europeans believe their homes are **not equipped** to handle extreme heat

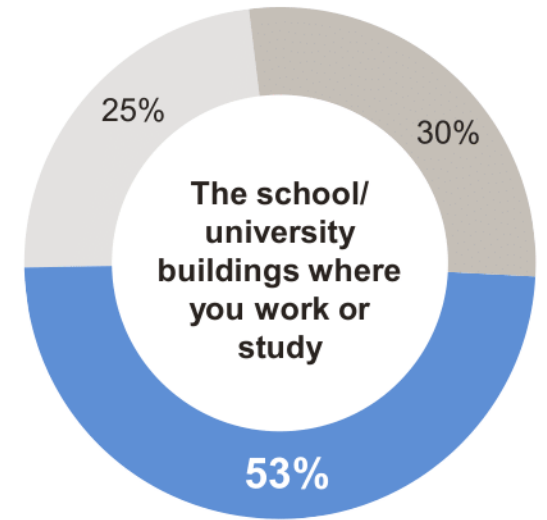
43 % Yes

12 % Don't know

In general, do you think schools/university buildings are suited to handle heatwaves (extreme temperatures)?



● Yes ● No ● Don't know



Takeaway #3

**If our buildings can't cope with heat
or cold, neither can our people.
Resilience starts indoors.**

People want healthier homes

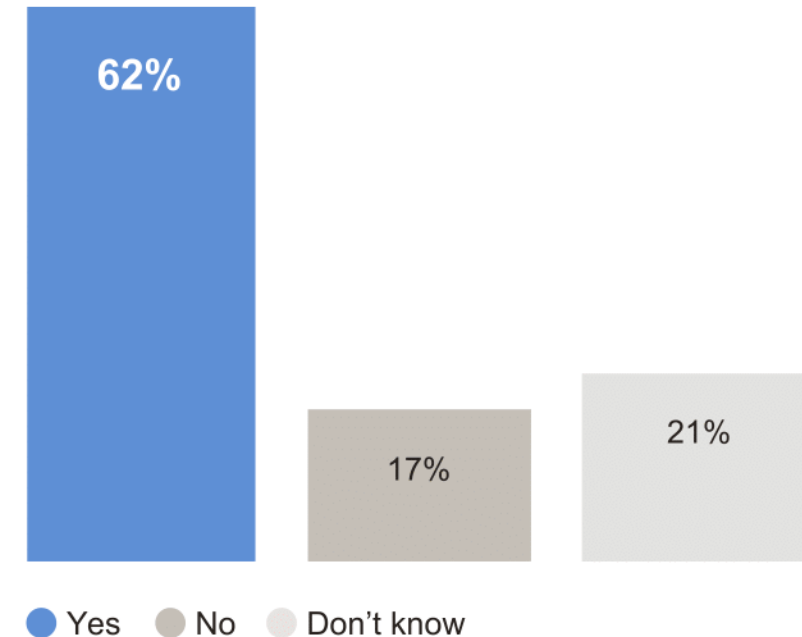
— but awareness, policy action, and financial support remain the missing links.

6 in 10

Europeans think there should be **stricter regulations** on how buildings are designed and maintained to ensure they support **health and well-being**



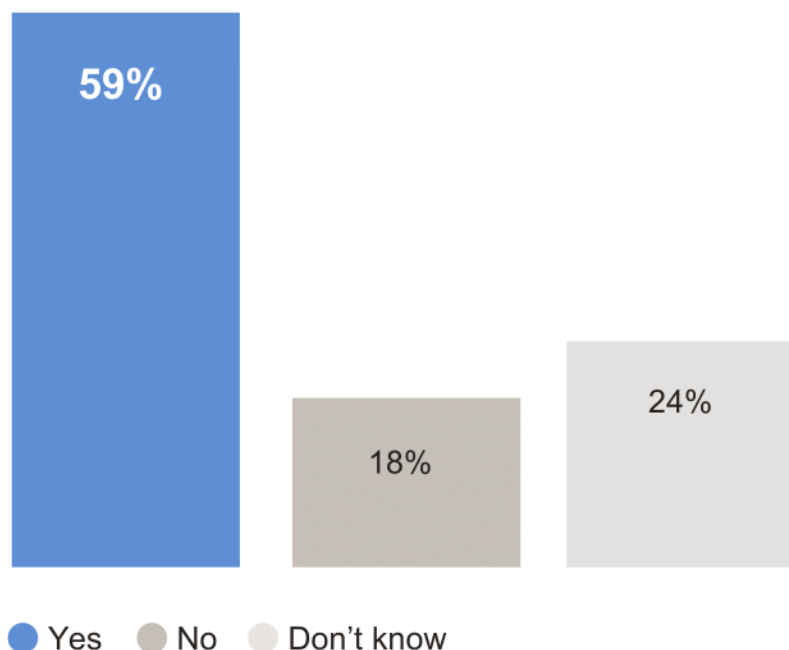
Do you think there should be stricter regulations on how buildings are designed and maintained to ensure they support health and well-being?



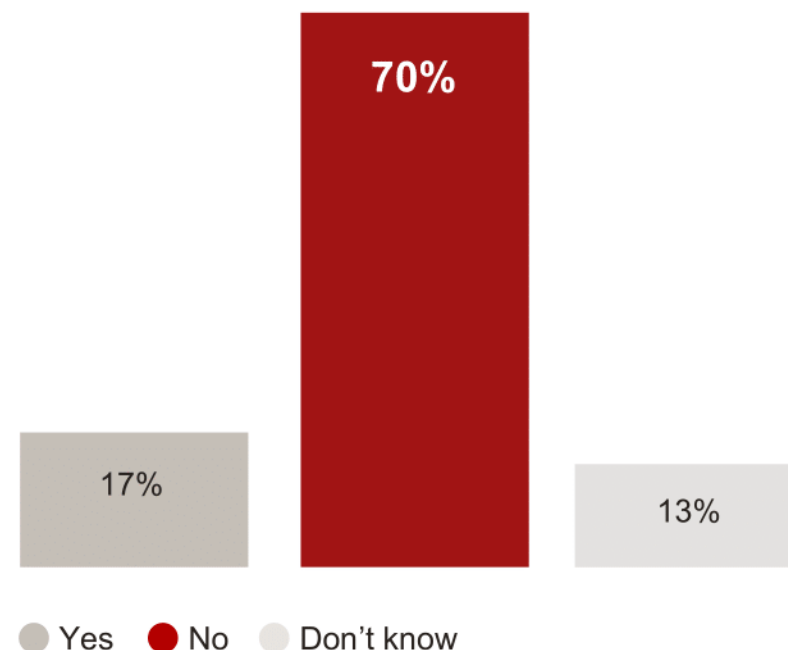
People want healthier homes

— but awareness, policy action, and financial support remain the missing links.

Would you support government allocating/prioritising additional incentives or funding for healthier building renovations (taking money from other priorities and allocate to healthier building renovations)?



Are you aware of any regulations or guidelines on healthy building standards to assess how healthy your home is?



Takeaway #4

**People care about health in buildings
— they want action and clearer rules,
but they need to be informed about
what's already being done.**

Lack of knowledge matters just as much as financial barriers

What barriers, if any, prevent you from improving the indoor climate of your current home?

31%

cite **financial constraints** as a barrier to improving their home's indoor climate

14%

rent and **don't have permission to make improvements**, a major obstacle in cities where rental housing dominates.

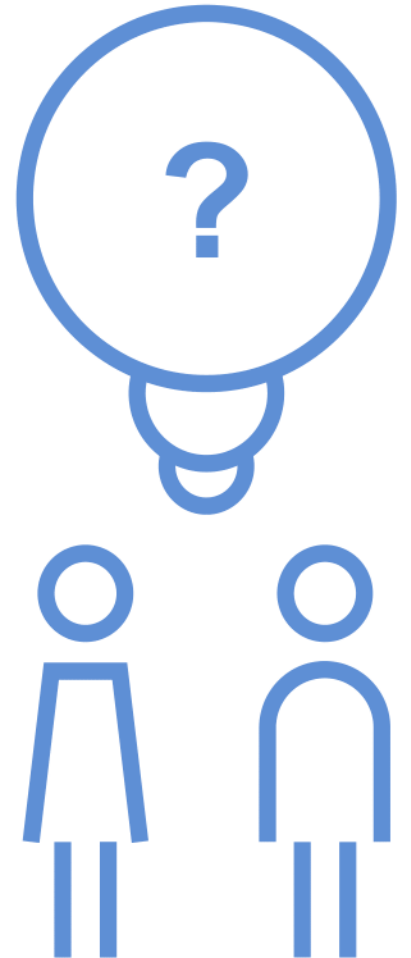
14%

say they **lack knowledge** about effective solutions

13%

are uncertain which improvements would be most effective

People struggle to identify which improvements matter most or where to find trustworthy advice, combined with 70% unawareness of regulations, this reveals a major communication deficit.

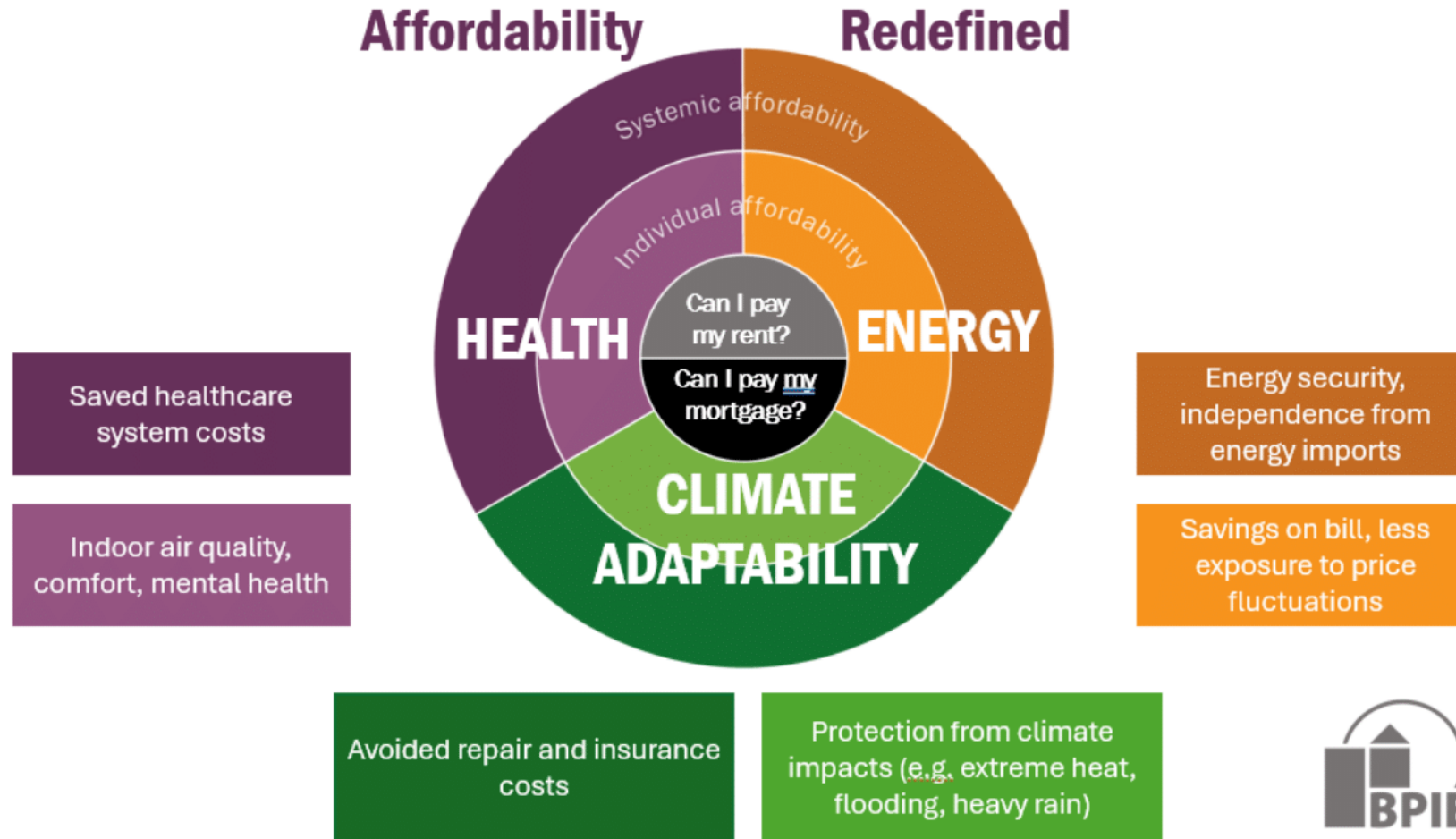


Takeaway #5

We don't just need more funding for healthy homes — we need more understanding.

Affordable and Sustainable Housing

Redefining affordability



Takeaway #6

European homes – even when privately owned – are part of public infrastructure.

This makes public funding essential for ensuring that these spaces remain affordable after renovation and through transitions to clean energy use.



Thank you!



Renovate Europe Day 2025

Fireside Chat with CEOs



Moderator

Morten Helveg Petersen

Chair

SYNERGI



Hans Jürgen Kalmbach

Chief Executive Officer

Hansgrohe Group



Jes Munk Hansen

Chief Executive Officer

ROCKWOOL



Lars Petersson

Chief Executive Officer

VELUX

Renovate Europe Day 2025

Coffee Break: 11:00 – 11:30



Parallel Sessions starting at 11:30:

Session 1: Beyond Bricks – Affordable Housing as a Driver of the Green Transition

Session 2: Unlocking investments – Bridging the Building Renovation Finance Gap

Session 3: Realising the Potential – Driving Energy Renovation in Commercial Buildings

Renovate Europe Day 2025

Coffee Break. At 11:30, Parallel Sessions



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Renovate Europe Day 2025

Session 1: Beyond Bricks – Affordable Housing as a Driver of Green Transition



Moderator

Rémi Collombet

Head of EU Policy
Efficient Buildings Europe



Tristan Suffys

Secretary General
Eurogypsum



Alicja Szambelan

Public Affairs Officer
Eurogypsum



Zuzana Matlonova

Project Manager
Habitat For Humanity



Rasmus Christian Andersen

Vice President, Regional Sales Director for Europe
Grundfos

Renovate Europe Day 2025

Session 1: Beyond Bricks – Affordable Housing as a Driver of Green Transition



Tristan Suffys

Secretary General

Eurogypsum

Renovate Europe Day 2025

Session 1: Beyond Bricks – Affordable Housing as a Driver of Green Transition



Alicja Szambelan

Public Affairs Officer
Eurogypsum

Upward Thinking :

Affordable housing through vertical extension

Renovate Europe Day
3 NOV 2025

EUROGYPSUM
THE VOICE OF THE EUROPEAN GYPSUM INDUSTRY



BUILD LIGHT
Lightweight solutions
for Europe's buildings



Context

- The housing crisis is severe in urban areas. **39%** of mayors report that housing costs are unaffordable.
- Building land price is a major determinant of housing costs.
- **85%** of buildings in the EU were built before 2000 and **75%** have poor energy performance.



Renovate Europe Day 2025



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Barcelona



Vienna



Brussels

Advantages

- Preserving green spaces
- Generating funding for renovations and building upgrades
- “Recycling” existing structures
- Utilising innovative construction methods



Arent Janszoon Ernststraat 700, Amsterdam

- Adding 10 new units on top of an existing building
- 5 units achieved an A+ energy label
- Generated 700,000€ funding for upgrades to the entire building



Project developers: Creative City Solutions, Arent Janszoon Ernststraat 700 VvE, Kamstra Architecten BNA, Diepenhorst De Vos en Partners, Duyts Bouwconstructies, EversPartners, Akor



Potential

- **1.5 million** additional housing units in Germany
- **100.000** new dwellings by 2030 in the Netherlands
- **59,000** additional inhabitants housed in Brussels
- **10%** of the social housing buildings in France could be vertically elevated



What is missing?

Simplified permitting – easier approval procedures for vertical extension

Criteria – a clear framework, set of guidelines for the selection of suitable locations

Awareness – wider general knowledge about this solution, its benefits and consequences

Local capacity – dissemination of knowledge and best practices to local authorities

Evaluation – broader mapping of the existing potential for using vertical extension in local contexts



Thank you!



Session 1: Beyond Bricks – Affordable Housing as a Driver of Green Transition



Zuzana Matlonova

Project Manager
Habitat For Humanity

REDay 2025 – November 2025
Zuzana Matlonova

Beyond Bricks – Affordable housing as a driver of the Green Transition



Empty Spaces
to Homes



Why Repurposing Matters

36%
of CO₂ emissions

40%
of energy
consumption

The building sector is responsible for approximately 36% of CO₂ emissions and 40% of energy consumption in the European Union.

Over
2 million
people experience
homelessness

Over 2 million people experience homelessness each year across Europe and OECD countries, a crisis demanding urgent action.

47.5 million
empty homes

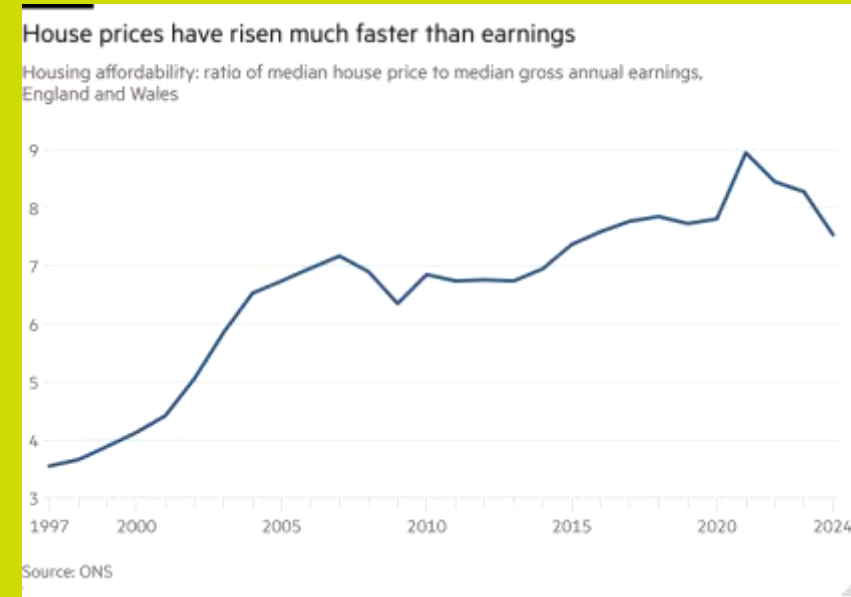
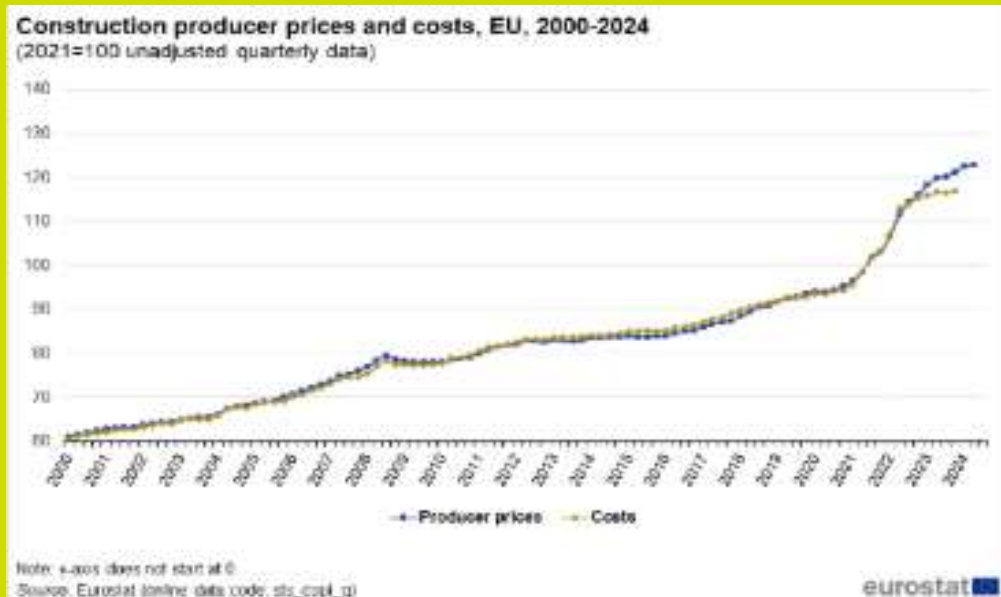
85%
of embodied carbon
can be saved

Approximately 47.5 million homes across Europe remain unoccupied, despite increasing housing demand and ongoing new construction efforts.

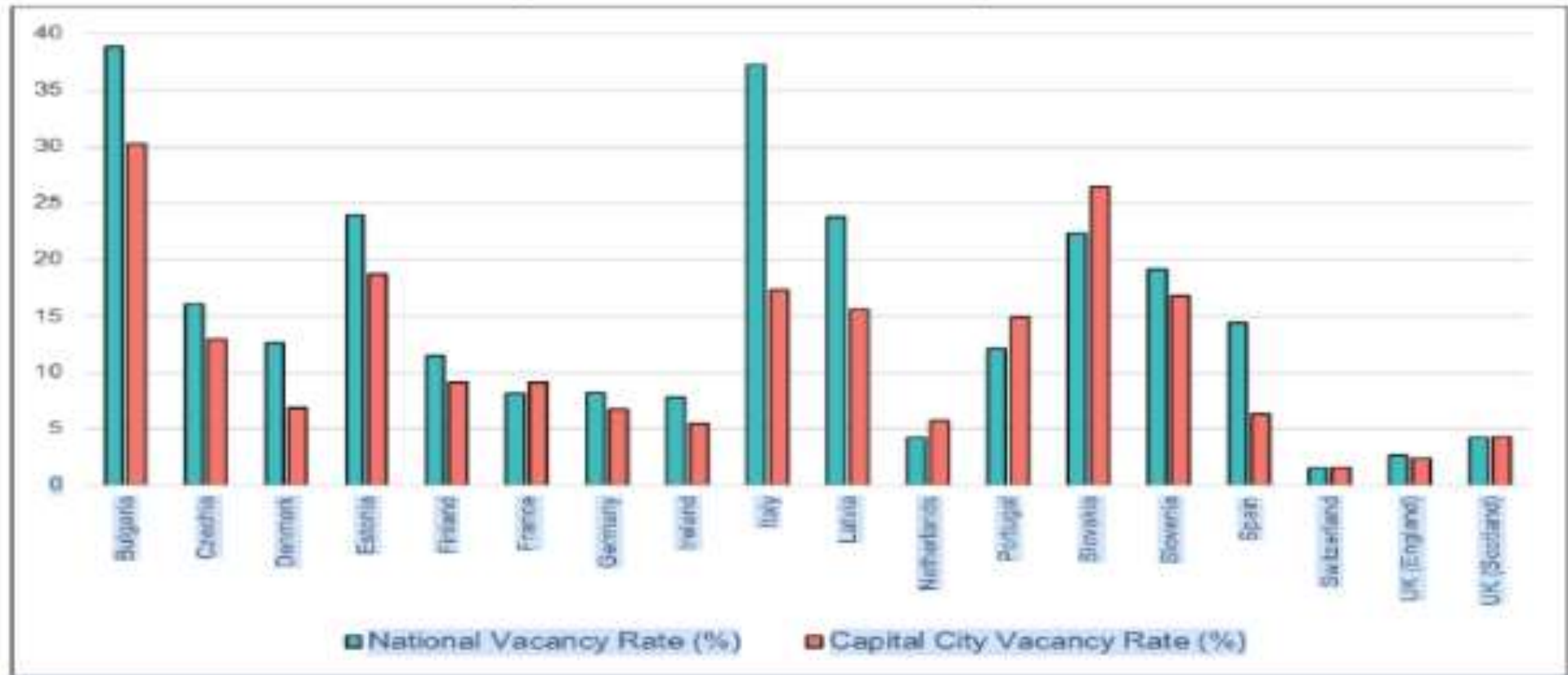
Repurposing vacant properties can save up to 85% of embodied carbon emissions compared to constructing new buildings.

Drivers: Real wages, house prices and construction costs

- House prices are growing faster than wages
- Not enough newbuilds for new households
- More single person households
- Shrinking rental sector as landlords opt for high short term lets
- Huge increase in construction costs
- But profound territorial distribution of affordability



Residential vacancy rates

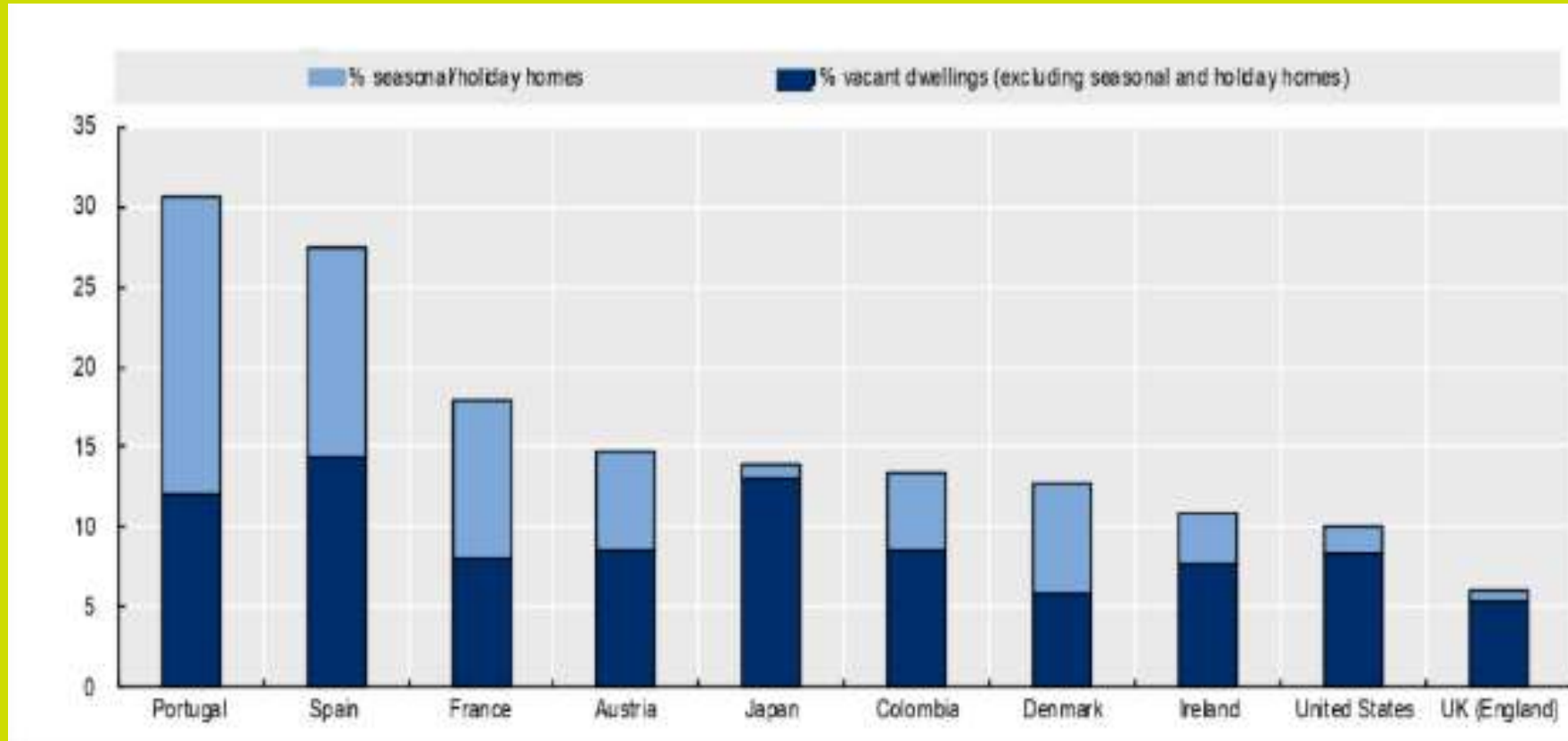


Notes: Data not always directly comparable due to differences in methodologies. Figures for Denmark, Ireland, Netherlands, and UK (England) are 2022; France, and UK (Scotland) are 2020; Germany (2018); All other countries are 2021. 'Capital City Vacancy Rate' for Slovenia equates to the vacancy rate for Osrednjeslovenska, the region that includes the capital of Ljubljana.

Source: Housing Europe calculations, based on National Statistical Agencies and/or Census Bureaus

Percentage of vacant dwellings and seasonal homes

Percentage of vacant dwellings and seasonal homes as a share of the total dwelling stock in 2022



Article 9 (6) of the Energy Performance of Buildings Directive provides the full range of potential exemptions, including the following:

Residential buildings that are used or intended to be used for either less than four months of the year or, alternatively, for a limited annual time of use and with an expected energy consumption of less than 25% of what would be the result of all-year use

House price changes between 2010 and 2022

% change



© 2022 Eruhinim; Source: ec.europa.eu

Empty Spaces to Homes

Program level – 50 Cities Vision & Strategy

By 2030, we aim to partner with 50 European cities to convert 20% of identified empty spaces into affordable and energy-efficient homes within five years of policy adoption. This approach will increase housing availability while significantly contributing to Europe's net-zero emissions targets by reusing existing buildings instead of building anew.

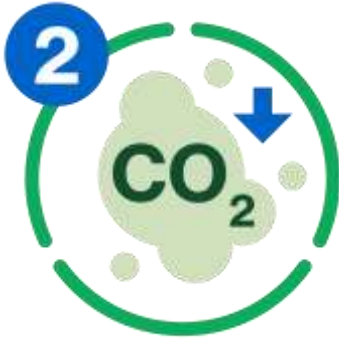


Empty Spaces to Homes: Six Key Pillars



Research

Maps vacant properties and analyses the housing landscape, exploring financial and governance models to transform these spaces into affordable homes for vulnerable groups.



Life-Cycle Carbon Assessment

Develops and applies a comprehensive methodology to measure and compare the carbon footprint of repurposed buildings versus new construction, demonstrating the environmental benefits of adaptive reuse.



Financial Model Development

Evaluates existing financial models and designs new ones to support the transformation and long-term affordability of repurposed spaces.



Demonstration Builds

Converts unused spaces into energy-efficient, affordable homes on the ground. Pilots are underway in Great Britain and Poland, measuring carbon savings from repurposing instead of new construction.



Stakeholder Engagement

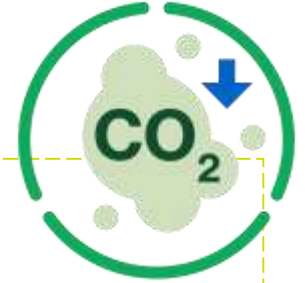
Brings together policymakers, housing experts, civil society organizations and local communities to foster collaboration and ensure practical, solutions.



Policy Advocacy

Works to influence housing policies at local, national, and EU levels, focusing on social rental agencies and better governance.

Life-Cycle Assessment (LCA) of carbon footprint



METHODOLOGY

- a **comprehensive methodology for assessing and mitigating CO2 emissions throughout the entire renovation process of repurposed buildings.**
- The research included review of existing methodologies and requirements related to LCA carbon footprint **to identify the most suitable approaches.**

- **Key standards underpinning our methodology:**
- ISO 15392:2019 – Sustainability of Construction Works
 - Principles for sustainability in (re)construction
 - Focus on carbon footprint strategies across life cycle
 - Emphasizes sustainability principles without detailed methods
- EN 15978:2011 – Environmental Performance of Buildings
 - Comprehensive LCA covering embodied, operational, and end-of-life carbon
 - Ensures all life cycle phases are included
 - Quantitative and highly technical

EXCEL TOOL

- The methodology is operationalized through tailored **Excel-based tool**, which integrates inputs and performs calculations for **each stage of the building's lifecycle, including:**
 - **raw material extraction & supply, transportation, manufacturing and construction activities, operational energy use & maintenance, and demolition.**
- **Key features** of the tool:
 1. Stage-by-stage assessment framework
 2. GHG emissions calculations
 3. Comprehensive input and output mapping
 4. Focus on climate change impact category
 5. Decision-support mechanism
 6. Procurement and compliance support

Demo build: Poland

Bytom – Tenement House Renovation

- **Location:** Bytom, Silesian Voivodeship, Poland
- **Timeline:**
 - Stage I: Completed by City of Bytom (2022)
 - Stage II: Implemented by HFH Poland (*June 2024 → May 2025*)
- **Building type:** historic tenement house converted into modern affordable apartments
- **Financial model:** EU funds (stage 1), institutional support (60% Rapid Response Fund) + business partners (40%)
- **Target groups:** refugees from Ukraine, vulnerable groups
- **Budget:** €235,000.



Potential Demo Build: UK

Port Edgar, Edinburg – Barracks Renovation

Location: Port Edgar, South Queensferry, Edinburgh, Scotland

Timeline: Planning approved (Oct 2023) → Construction starts (May 2025) → Completion (Summer 2026)

Building type: Historic WWI naval barracks planned to be converted into 49 new homes, a café, and community spaces

- **Financial model:** Led by LAR Housing Trust (affordable housing model) + developer contributions (~£800K)
- **Target groups:** Affordable housing tenants, local community, heritage visitors
- **Budget:** Developer contributions of ~£800,000 towards local infrastructure.



The city is already built recommendations



- 1.) Establish a common definition of ‘vacant real estate’ (residential, commercial, public/private) to ensure consistent data collection and resource allocation.
- 2.) Lead an EU-wide research project to map vacant and underutilized properties and monitor housing affordability across Europe.
- 3.) Launch awareness campaigns on the benefits of circular reusing vacant buildings to support decarbonization of the building sector.
- 4.) Earmark funds in existing programs, such as the European Regional Development Fund, to support these efforts.
- 5) Empower the European Commission’s Housing Task Force to coordinate a common approach and gather best practices to overcome legal, economic, and organizational barriers.

The city is already built recommendations (Continued)



- 6.) Encourage Member States to include 10% of vacant buildings in their commitment to renovate 3% of publicly owned buildings under the Renovation Wave by 2030.
- 7.) Support local coalitions (municipalities, NGOs, intermediaries) to develop up-to-date inventories of suitable properties and share data with the European Commission.
- 8.) Instruct the EIB to dedicate technical expertise and targeted investment to converting vacant premises, especially in urban areas with surplus building stock.
- 9.) Dedicate resources in the Renovation Wave Fund for privately owned vacant buildings above 500m². Secure further funding through reallocation from the Cohesion Funds.

Thank you.

Contact details:
ZMatlonova@habitat.org

Join us in turning Empty Spaces into Homes



habitat.org/emea



[habitat-for-humanity-emea](https://twitter.com/habitat-for-humanity-emea)



[Habitat_EME](https://www.linkedin.com/company/Habitat_EME)

Renovate Europe Day 2025

Session 1: Beyond Bricks – Affordable Housing as a Driver of Green Transition



Rasmus Christian Andersen

Vice President, Regional Sales Director for Europe
Grundfos

Renovate Europe Day 2025

QUESTIONS FROM AUDIENCE



Renovate Europe Day 2025

Buffet Lunch. At 13:45 High-Level Plenary



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Session 2: Unlocking investments – Bridging the Building Renovation Finance Gap



Moderator

**Morten Helveg
Petersen**

**President
SYNERGI**



Iben Søndergaard
Deputy Director General
Danish Energy Agency



Peter Sweatman
Chief Executive
Climate Strategy &
Partners

Session 2: Unlocking investments – Bridging the Building Renovation Finance Gap



Iben Søndergaard

Deputy Director General

Danish Energy Agency



Energistyrelsen

Unlocking Investments

Bridging the Building Renovation
Finance Gap

12. november 2025



The Danish approach to financing energy renovations is built on a strategy of multiple approaches

Subsidy schemes.

Applicable energy performance certificates.

A solid mortgage system.

Energy savings obligations.

Tax deduction schemes.



Subsidy schemes

Effective from 2020 a new focus on subsidies was implemented through several schemes.

Energy Renovation Pool (Energirenoveringspuljen)

Provides grants for energy renovations such as insulation, energy efficient windows and mechanical ventilation systems.

The grants are based on an estimated market price of the project implemented.

Heat Pump Pool (Varmepumpepuljen)

Provides grants for conversions to an electrical heat pump from gas,- oil- and pellet boilers or electrical heating.

The grant is a fixed rate depending on the technology of the installed heat pump.

Scrapping Scheme (Skrotningsordningen)

Provides grants for subscription-based electrical heat pumps. A private company is responsible for the installation and maintenance of a rented heat pump.

The grant is given to the supplier which is then used to lower the initial costs for the consumer.

District Heating Pool (Fjernvarmepuljen)

Provides grants for establishing energy efficient district heating in new areas.

Provides grants to the district heating company based on the amount of converted oil- and gas boilers.



Overview and key takeaways

- Nearly DKK 1.900 million has been provided in funding commitments through the Building Pool from 2020-2022 and the Energy Renovation Pool and Heat Pump Pool 2023-2025.
- Approximately DKK 1.600 million has been granted through the District Heating Pool from 2021-2025.
- More than DKK 45 million in grants has been provided through the Scrapping Scheme from 2020-2025.
- Simplification of requirements and regulations are key in achieving a well-functioning subsidy scheme
 - I. Improves governability
 - II. Simple and understandable subsidy schemes achieve higher application- and disbursement rates
 - III. Reduces complaints and doubts from applicants
- The administration of the Heat Pump Pool is largely digitized and automated resulting in approximately 75% of funding commitments being granted automatically.

Energy Performance Certificates

The recognizable visual identity of the EPC is an important tool for influencing behavior and makes it easier to compare buildings.

The design of the Danish EPC is based on behavioral insights derived from a behavioral analysis conducted in 2020.

The goal of the current design is to inspire and nudge building owners to act on renovation recommendations in the certificate.

EPCs have a documented direct effect on house prices. a one grade improvement can raise the price by around DKK 40,000–50,000 for a typical 100 m² home¹, and more recent analyses show price differences of up to DKK 5,000 per m² between A- and B-grade homes².

1. [Copenhagen Economics 2015](#)
2. [De grønne energimærker fylder mere i boligsalget 2024](#)



ENERGIMÆRKNINGSRAPPORT

ENERGIMÆRKE OG FORSLAG TIL ENERGIFORBEDRINGER

Hegnet 11
6740 Bramming



DIN BOLIG HAR
ENERGIMÆRKE



Du betaler hvert år **15.800 kr.**
mere, end du behøver i energiudgifter*

ENERGIKONSULENTENS BEDSTE ANBEFALINGER

- 1 Ny gulvvarmefordelingspumpe.**
Årlig besparelse: 900 kr
Investerings: 5.000 kr
- 2 Installation af ny luft/vand varmepumpe.**
Årlig besparelse: 12.400 kr
Investerings: 100.000 kr
- 3 Montage af nye solceller.**
Årlig besparelse: 2.600 kr
Investerings: 40.300 kr

Skitsen illustrerer en generisk bygning, baseret på bygningens karaktertræk. Ikonforklaring kan ses under afsnittet IKONFORKLARING.

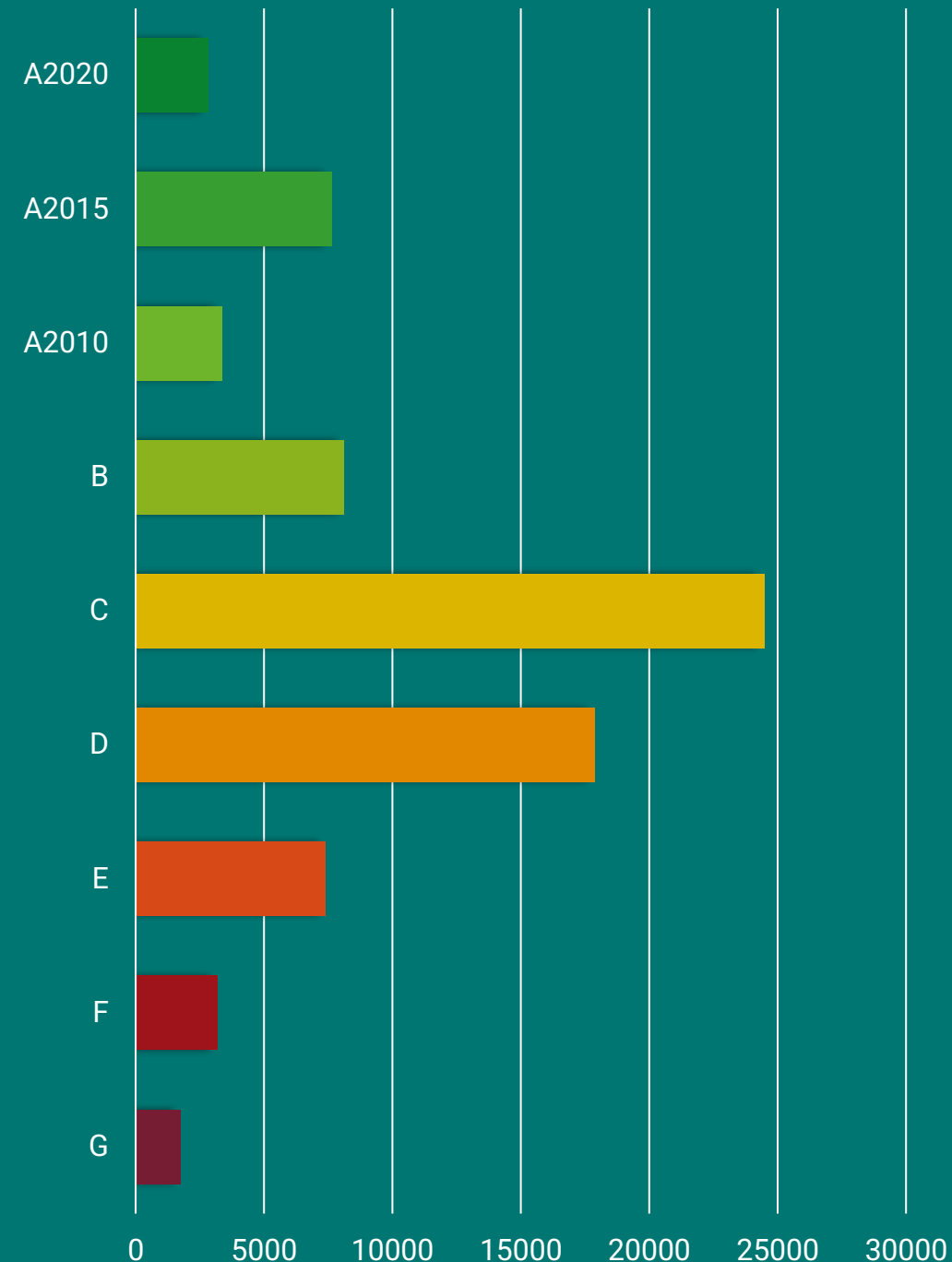
Energy Performance Certificates in numbers

The energy performance certificates are a corner stone in a larger economic ecosystem influencing building permissions, public financing, EU taxonomy and more.

A well-documented, trustworthy and digital certificate is key to ensuring transparency, market confidence, and fair valuation of buildings.

- About 80.000 certificates are issued yearly.
- About 1.2 million certificates exist in the Danish database today, and the database receives 1 million daily API calls.

The calls vary from everything between financing institutes, real estate platforms, public authorities, research institutes, private companies and more.



The graph shows the distribution of Danish energy performance certificates in the database today.

Session 2: Unlocking investments – Bridging the Building Renovation Finance Gap



Peter Sweatman

Chief Executive

Climate Strategy & Partners

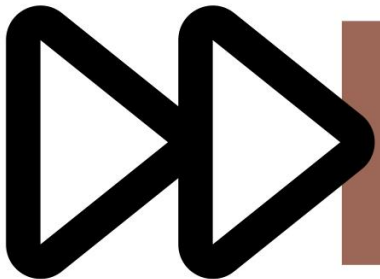
[European Renovation Loan](#)

Monday Nov 3rd 2025



The EU Renovation Loan: Building a Better Future for Europe

Unlokcing investments -
Bridging the Building
Renovation Finance Gap



Peter Sweatman, CEO

CLIMATE & STRATEGY
P A R T N E R S



Why the EU Renovation Loan (ERL) Is Needed?



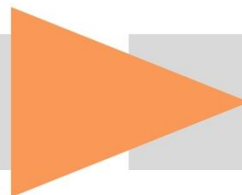
- 85% were built before 2000
- 75% have poor energy performance



- Renovation is unaffordable for many households



Policy Momentum



The Opportunity

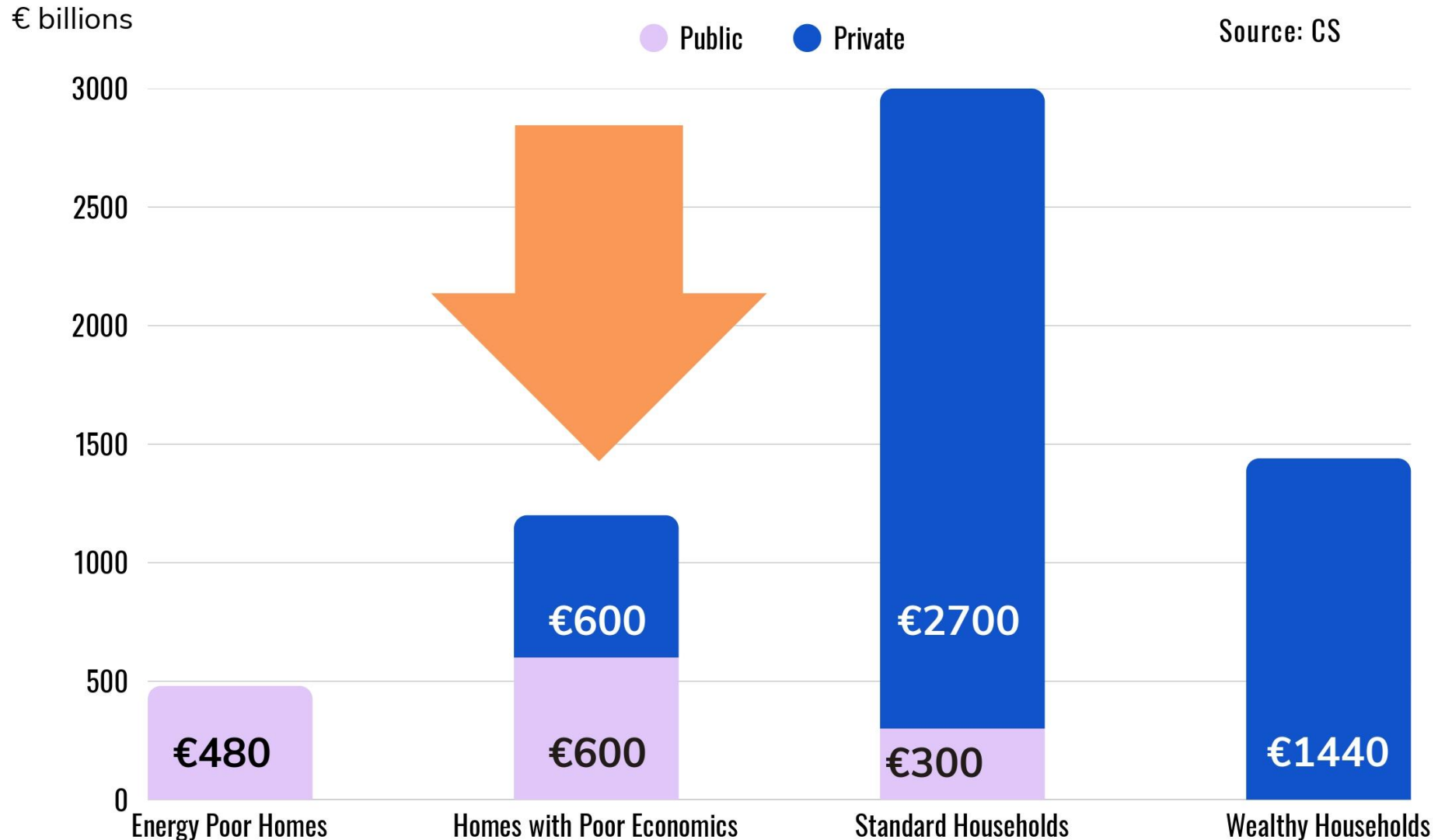
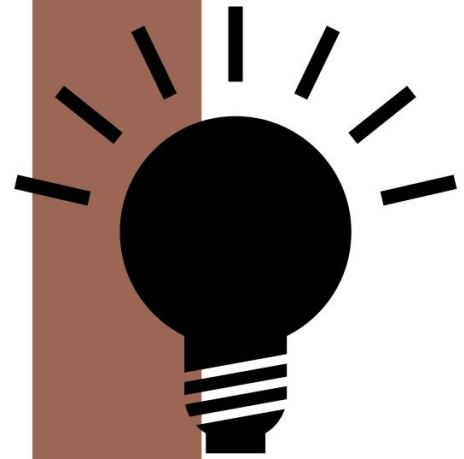


- Affordable Housing Plan
- The recently announced Commission Work Programme 2026
- The Greens/EFA and S&D's Position Papers on Tackling Europe's Housing Crisis
- The recast EPBD (Article 17) encourages loan guarantee facilities via existing/new institutions
- InvestEU Member State compartment
- Cohesion Policy funds (2021–2027 MFF)

- Loan guarantees can expand access to credit for individual homeowners, ESCO portfolios, and on-bill schemes.
- Instruments should align with NECPs and national energy efficiency strategies.
- The ERL can standardise affordability, increase trust, and accelerate deployment for elderly and savings-poor homeowners.

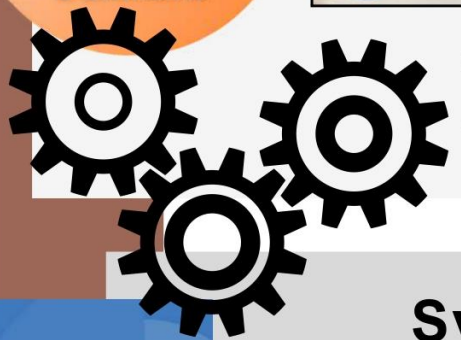


Offer EU Renovation Loans to “Homes with poor Economics” to make them Affordable



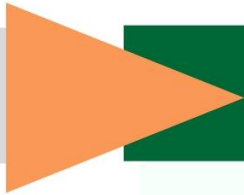
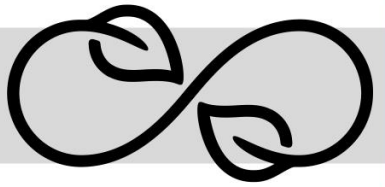


How the ERL Can Boost Renovations?

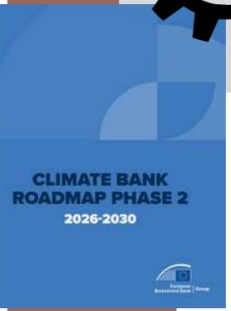


- EU Green Guarantee ✓
- Fair interest rate ✓
- Linked to ECB TLTRO facility ✓
- Focus on vulnerable households ✓
- 30-year maturity & zero/low coupon ✓

Synergies



Impact Potential



Aligns with the EIB Climate Bank Roadmap Phase 2 (2026–2030), sharing the goal of “scaling the market” by:

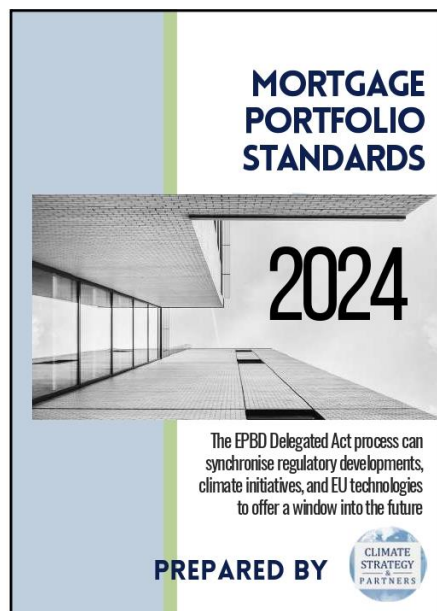
- Lowering cost of capital
- De-risking loans
- Protecting vulnerable groups

Supports the Affordable Housing Plan and EPBD NBRPs template (Item D) – addressing:

- Housing affordability
- Energy poverty
- Empowerment of vulnerable consumers

- Mobilises large-scale private investment through EU **guarantees** and **blending mechanisms**.
- Increases depth and reach of **renovation financing markets** across Member States.
- Delivers measurable progress toward:
 - **2030 climate targets**
 - **Energy poverty reduction**
 - **Boosting Europe’s green competitiveness**





Contact us

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Thanks!



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Renovate Europe Day 2025

QUESTIONS FROM AUDIENCE



Renovate Europe Day 2025

BREAKOUT DISCUSSIONS



Renovate Europe Day 2025

Buffet Lunch. At 13:45 High-Level Plenary



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Session 3: Realising the Potential – Driving Energy Renovation in Commercial Buildings



Moderator

Adrian Joyce

Director

Renovate Europe
Campaign



Joe Durkan

**Head of Technical
Department/Office of National
Retrofit**

Sustainable Energy Authority of
Ireland (SEAI)



Rada Rodriguez

**SVP Professional Europe North
& East
Signify**

Session 3: Realising the Potential – Driving Energy Renovation in Commercial Buildings



Joe Durkan

**Head of Technical Department/Office of National Retrofit
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Session 3: Realising the Potential – Driving Energy Renovation in Commercial Buildings



Rada Rodriguez

SVP Professional Europe North & East
Signify



Driving energy
renovation in
commercial building
with **advanced
lighting solutions**



Signify is the world leader in lighting

We provide high-quality energy efficient lighting products, systems and services

No.1

connected, LED,
conventional

Luminaires



29,500

people in over
70 countries

Light sources



€6.1bn

sales
in 2024

Systems and
services



Signify by numbers

4.2%

sales reinvested
in R&D in 2023

85%

LED sales in
2023

20,200

patents

29%

women in leadership

139M

connected light
points in Q3 2024

33%

circular revenues
in 2023

31%

brighter lives
revenues in 2023

22%

greenhouse gas emission
reduction in 2023

LED lighting is still a widely underestimated potential

- In the EU27, **305 million** conventional light points remain in buildings, of these **10% are in public buildings**: it's a major opportunity for immediate energy savings
- Many LED systems installed 10+ years ago are reaching end-of-life: **new ultra-efficient connected LEDs save 60%** energy than standard LEDs



Additional extra efficiency through connectivity

- Connected lighting systems and LED upgrades can save **128 TWh/year**, cutting **€29 billion** in electricity costs.
- These low-cost, high-return solutions enable peak demand management, operational savings, and digital integration, boosting SME **competitiveness**, support renovation financing, and enhance **well-being and real estate value**.



Light-as-a-Service to renovate lighting without upfront costs

Why LaaS?

- Own the light, not the product!
- Save APEX, increase free cashflow, reduce running cost, improve safety and light quality and apply circular economy

Case stories

- Arcelor Mittal (34 facilities)
- Nexans (15 facilities)
- Pilkington (5 facilities)
- and many more...

Our Managed Services



Standard



Light as a Service

Audit, Design and Consulting	✓	✓
System Execution*	✓	✓
Operations	✓	✓
Maintenance, Training and Documentation	✓	✓
Performance (energy, light level and uptime/other)	✓	✓
Financing		✓
Circular designed products		✓
End of Contract management		✓

Supporting the implementation of MEPS with connected LED lighting



Signify + Trade + Installation partnership

offer long term partnerships to Municipalities to renovate the building stock

Copenhagen Schools

- Multi year program (2018 – 2021) to renovate lighting in public buildings, from schools to administrative buildings and offices
- **180 buildings** renewed with connected LED lighting
- Installed power dropped **from 54 kW to 27 kW**
- **50% extra saving** through daylight harvesting
- Annual energy saving of **3,800 MWh**
- Building on the success, program continued in 2024

Free-up electricity

Switching all the light points in **EU27 countries** to efficient connected LED, could make **electricity available to power** other devices and support the electrification process.

By switching to LED, electricity could power:



Heat pumps operation
46 million units



Air-conditioners operation
231 million units



Water heating
82 million units



Electric vehicle charging
54 million units



Electric bus charging
1,9 million units

Data presented here is a simulation within the framework of the Green Switch light point conversion model, which is a program run by Signify to help its customers accelerate the switch to energy-efficient lighting products, systems and services. All figures and data presented here are illustrative and based on forecasts and assumptions. The diagram represents a selection of electric device consumption. Data refers to EU27 countries. Thousands separator is . – Decimal separator is ,

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High-Level Plenary Panel Debate with Business Leaders and MEPs



Moderator

Katrine Bjerre M. Eriksen

**Director
SYNERGI**

Renovate Europe Day 2025

High-Level Plenary Panel Debate with Business Leaders and MEPs



Niels Fuglsang

MEP, S&D
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Katie McGinty

Vice President and Chief Sustainability and
External Relations Officer
Johnson Controls



Niels Flemming Hansen

MEP, EPP
Denmark



Terry McGivern

Managing Director
Kingspan Insulation Continental Europe



David Ducarme

Group Chief Operating Officer and Deputy
CEO
Knauf Insulation

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Site Visits:

Paustians Hus

Paustians Hus, a protected Jørn Utzon building, was renovated in 2022 into a modern, energy-efficient office that balances heritage preservation with improved comfort and performance.



AKB Bellahøj social housing

Bellahøj has been revitalised through a decade-long renovation that preserves its modernist heritage while delivering major energy, comfort, and affordability improvements for residents.



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Departure of buses for Site Visits at 15:15

Reception at 17:30-19:30



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