



**Delivering on the European
Green Deal and Fit for 55**

Energy Performance of Buildings Directive (EPBD) recast

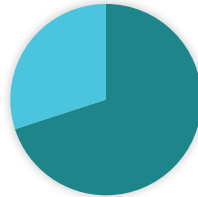
(2024/1275)

Stefan Moser – Head of Unit
Unit B3 - Buildings and Products
European Commission – DG ENERGY

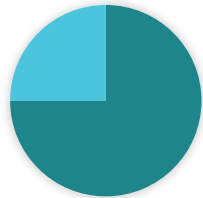
EU building stock

EU building sector is one of the **largest energy consumers** (aprox 42%) in Europe, responsible for **more than one third of the energy-related emissions**.

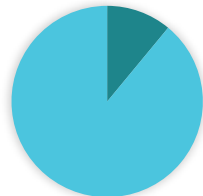
About **24 billion m2** permanently occupied floor area, more than **70 % residential**



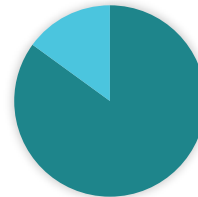
... **75 %** of the building stock **has poor energy performance** ...



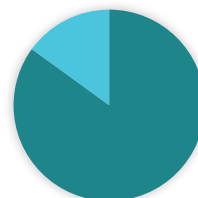
Aprox. **11%/yr** of existing buildings undergo some level of **renovation**, while only about **1%/yr** concerns **deeper energy renovation**



About **85 %** of existing EU dwellings were **built before 2000**, of which ...

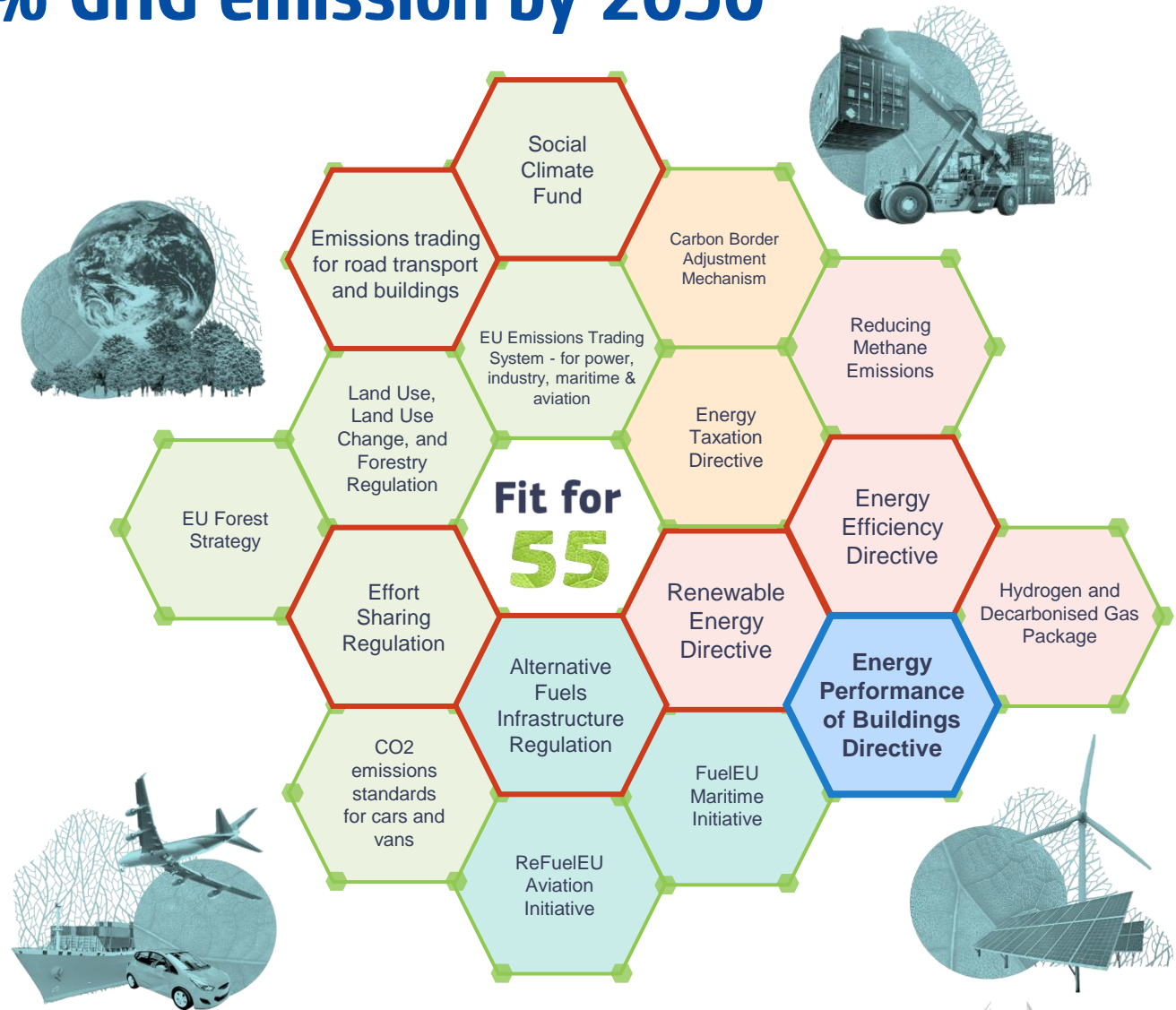


... **more than 85 %** of current stock will **still be in place in 2050**



“Fit for 55” package - 55% GHG emission by 2030

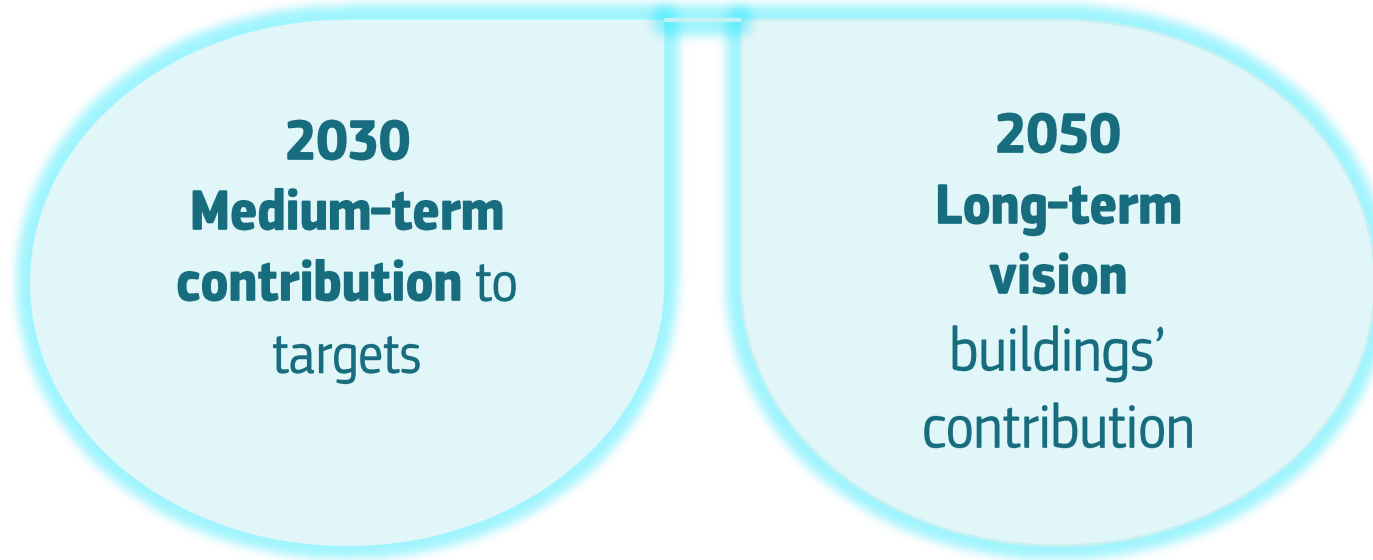
**EPBD recast =
effective delivery
mechanism for the
buildings sector**



Timeline of the recast EPBD process

- 29 May 2026 ● Deadline for transposition: 24 months after EPBD entry into force
- 8 May 2024 ● **Publication in OJ : n° 2024/1275**. Entry into force 20 days after
- 12 April 2024 ● **Formal adoption by Council**
- 12 March 2024 ● **Adoption in the EU Parliament plenary**
https://www.europarl.europa.eu/doceo/document/TA-9-2024-0129_EN.pdf
- 7 December 2023 ● **4th political trilogue: provisional agreement reached**
<https://data.consilium.europa.eu/doc/document/ST-16655-2023-INIT/en/pdf>
- March 2023 ● European Parliament's position on the EPBD revision
- October 2022 ● Council General Approach on the EPBD revision
- 15 December 2021 ● **EPBD proposal adopted by COM**

Objectives of the recast EPBD



- Renovation Wave Strategy: aims at doubling renovations by 2030 and foster deep renovations
- Climate target plan 2030: reduce buildings' GHG emissions by 60%, their final energy consumption by 14% and energy for heating and cooling by 18%.
- RePowerEU Strategy and EU Save Energy Comm: asking co-legislators for more ambition on recast EPBD
- 2050 Long Term Strategy: climate neutral economy
- Climate Target Plan 2040: reduction of 90% of net GHG emissions

Focus areas of the recast EPBD

Renovation

- Minimum Energy Performance Standards
- National trajectories for the progressive renovation of the residential building stock
- National Building Renovation Plans

Enabling framework

- Strengthened Energy Performance Certificates
- Renovation passports
- Sustainable finance & energy poverty
- One-stop-shops
- Deep renovation standard
- National energy performance databases

Decarbonisation

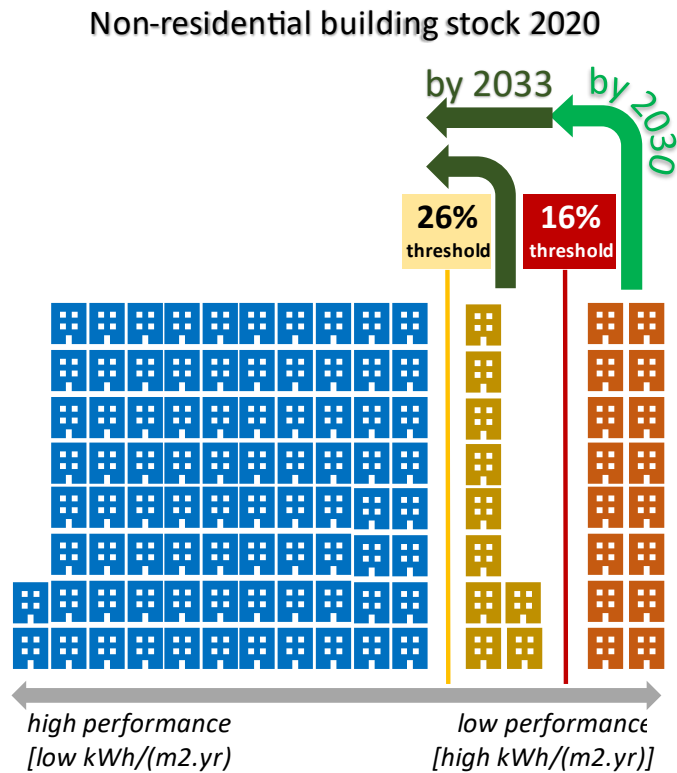
- Introduction of zero-emission buildings as standard for new buildings
- Solar deployment in buildings
- Calculation of whole life cycle carbon
- Phasing out incentives for fossil fuels and new legal basis for national bans

Modernisation & system integration

- Infrastructure for sustainable mobility
- Smart Readiness Indicator
- Indoor air quality: ventilation and other technical building systems
- Digitisation, data access and exchange

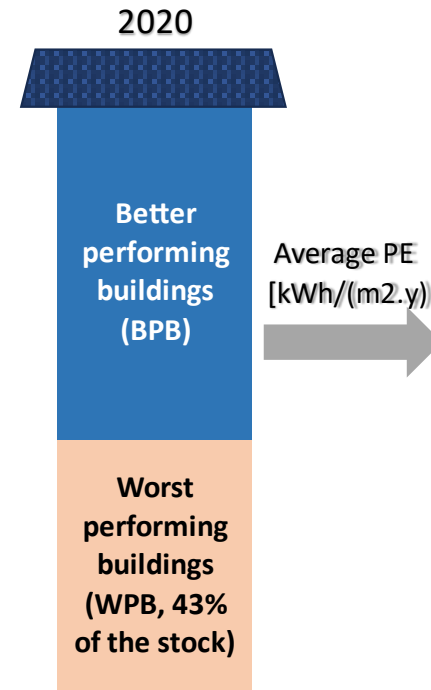
MEPS for non-residential buildings and primary energy use trajectory for the residential building stock (Article 9)

Non-residential: Minimum Energy Performance Standards (MEPS)

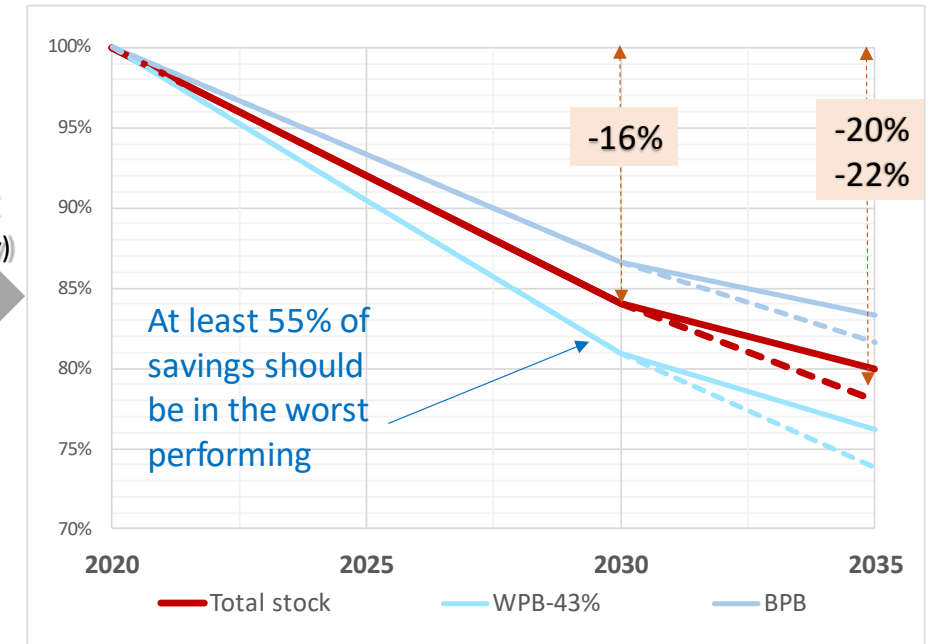


Residential: trajectory to reduce the average primary energy use

Residential building stock



National trajectory for the average primary energy use in kWh/(m2.y)



Exemptions allowed both for non-residential and residential
(for protected buildings, temporary use, places of worship, etc.)

Gradual phase-in of solar energy in buildings (Article 10)

- **New** buildings are designed to **optimize their solar energy generation potential**
- **Deployment of suitable solar energy installations on new** buildings
 - By 31 Dec 2026 for new public and non-residential buildings >250m²
 - By 31 Dec 2029 new residential buildings and new roofed car-parks adjacent to buildings
- **Gradual phase-in** of requirement for **existing non-residential**, where feasible:
 - For existing public buildings gradually between 31 Dec 2027 – 31 Dec 2030 according to floor area
 - For existing non-residential buildings >500 m² by 2027, based on trigger points (major renovation or works requiring a permit)



Zero-emission buildings (Articles 7, 11, Annex III)

- **All new buildings to be zero-emission buildings (ZEBs):**
 - From 2028 public buildings owned by public bodies
 - From 2030 all new buildings
- **ZEB will require:**
 - **Zero on-site emissions from fossil fuels**
 - **A very low amount of energy with a view to cost-optimal level but at least (NZEB -10%)**
 - Supplied by:
 - **renewables from onsite, nearby, renewable energy communities**
 - **energy efficient DH&C**
 - **energy from carbon-free sources**
 - Life cycle GWP calculation (from 2028 for new bdgs >1000m² useful floor area, from 2030 for all new buildings) and disclosure through EPC



Fossil fuel use in buildings: gradual phase-out

- From **1 January 2025: no more financial incentives for stand-alone boilers** powered by fossil fuels (Article 17 (15))
- **Legal basis for Member States to set requirements** on GHG emissions, share of renewables, type of fuel for heat generators (Article 13)
- Plan policies and measures **with a view to a complete phase-out of boilers powered by fossil fuels by 2040** through the national Building Renovation Plans (Annex II)

Other key provisions & strengthened enabling framework (1)

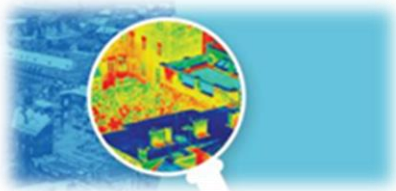
- **National Building Renovation Plans** (Article 3) to replace Long Term Renovation Strategies (LTRS)
 - **Common template**
 - **Aligned** with National Energy and Climate Plans (NECPs) cycles
- **Sustainable mobility** (Article 14): **Strengthened requirements on the number of recharging points for electric vehicles**
 - **For non-residential buildings** (new buildings and buildings undergoing major renovation):
 - **> 5 car parking spaces:** installation of at least 1 recharging point for every 5 car parking spaces (1 for 2 in office buildings) **and** pre-cabling for at least 50 % of car parking spaces and ducting
 - **> 20 car parking spaces: before 2027,** installation of at least 1 recharging point for every 10 car parking spaces **or** of ducting for at least 50 % of car parking spaces
 - **For residential buildings** (new buildings and buildings undergoing major renovation) **> 3 parking spaces:**
 - Installation of at least 1 recharging point (new buildings) **and** pre-cabling for at least 50 % of car parking spaces and ducting (new and renovated buildings)
 - Enable **smart charging** and, where appropriate, **bi-directional charging**
 - Sufficient number of **parking spaces for bicycles**, including cargo bikes

Other key provisions & strengthened enabling framework (2)

- **Energy Performance Certificates (EPC)** (Articles 19, 20, Annex V)
 - Energy performance **classes from A to G**
 - **Common template** with energy and GHG indicators
 - **More trigger points** (incl. major renovation) for issuing and accessing EPCs
- **Building Renovation Passports** (Article 12)
 - Scheme **in every Member State** to **guide building owners** in their **staged energy renovations**



- **National databases on energy performance of buildings & Data exchange**



- MS to set up **databases on energy performance of buildings** and report to Building Stock Observatory (Article 22)
- MS to ensure that building owners, tenants and managers can have direct and free-of-charge access to their building systems data (Article 16)

Other key provisions & strengthened enabling framework (3)

Financing, support measures and one-stop-shops (Article 17 and 18)



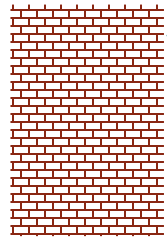
- Clear obligation for Member States to **provide appropriate financing and support** measures and **stimulate private investments**, in line with building renovation plans and 2050 goals
- Financial measures to offer **higher support** to **vulnerable households** and **deeper renovations**
- Member States to provide **safeguards for tenants** and to aim to **distribute the benefits for both owners and tenants** when providing financial incentives
- COM to adopt **delegated act** providing a comprehensive portfolio framework **for voluntary use by financial institutions, to increase financing volumes provided for energy performance renovations.**

- Member States to ensure that **EPCs and renovation passports are affordable**

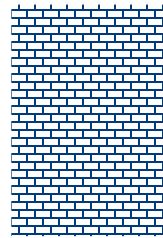


- Member States to establish dedicated **one-stop-shops for energy performance of buildings**

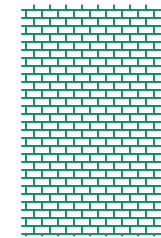
EPBD contributes to:



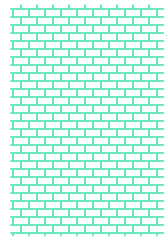
Reduced energy import dependency by reducing demand



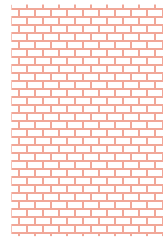
Jobs, added value and economic boost to the construction ecosystem



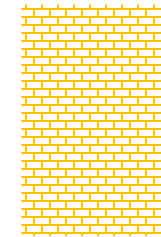
Sustainable buildings & a push to circular economy by addressing whole life-cycle emissions



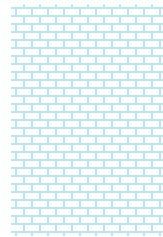
Better air quality and lower morbidity rate due to pollution



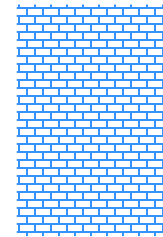
Lower energy bills and exposure to energy prices fluctuation



Alleviation of energy poverty



Better living and working conditions



Consumer empowerment through digital and more accessible tools

Next steps

Next steps – Guidance

- 17-18 April 2024 – Concerted Action
- 6 EPB Committees: **16 May**, June, July, September, October and November
- 1st draft guidance shared with MS by summer 2024
- Draft guidance completed by end of 2024
- Guidance publication in Q1-Q2 2025*

Guidance on financial incentives for standalone fossil fuel boilers by **Q4 2024 (earlier than others)*

Next steps – Delegated Acts

- 8 Delegated acts identified in the EPBD recast
- Deadlines between mid 2025 and 2027
- Start of technical work with MS in Q3 2024



Thank you!



EE policy update and EU financing

Carlos SANCHEZ RIVERO

European Commission - DG ENER

Energy efficiency policy & financing

Buildings clustering meeting, 21 May 2024

Energy efficiency – A strong political momentum

- Launch of **the Global Pledge on Renewables and Energy Efficiency** at COP28:
 - double the global average annual rate of energy efficiency improvements until 2030
 - place energy efficiency as the "first fuel" at the core of policymaking, planning, and major investment decisions
- **Fit for 55 package** – Adoption of the revised **EED & RED**, publication of the **EPBD recast** in the JO on 08/05/2024
 - Energy Efficiency remains long-term response to the crisis and to the achievement of a climate-neutral economy
 - Buildings are pivotal to the success of the energy transition

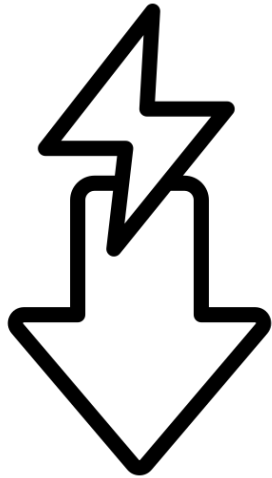
Energy Efficiency Directive (EU) 2023/1791

- Entered into force on **10 October 2023** – transposition period of **2 years**
- New binding EU energy efficiency target & indicative national contributions: 11.7% for 2030, reduction in PEC and FEC
- Energy Efficiency First' Principle, an integral part of policy and investment decisions
- Strengthened annual energy savings obligation in end-use to reach 1.9% by 2030 (average 1.49% for 2024-2030)
- Updated thresholds for energy audit & management system for enterprises
- Measures to alleviate energy poverty & boost consumer empowerment

Energy Efficiency Directive Articles 5, 6 & 7

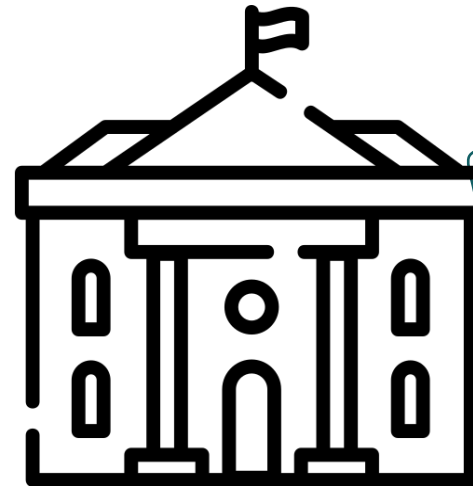
Exemplary role of public sector

Reduce total
final energy consumption
of all public bodies



1.9% each year

Renovate
heated / cooled buildings
owned by public bodies

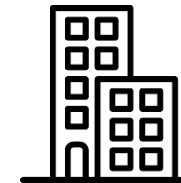


NZEB

Zero-emission

3% each year
> 250 m²

Purchase /
procurement



High energy efficiency
performance

Energy Efficiency Directive Articles 25 & 26

Heating and cooling

- Comprehensive heating and cooling assessment by EU Member States

Identify the most resource-efficient and cost-efficient solutions to meeting **heating** and **cooling** needs

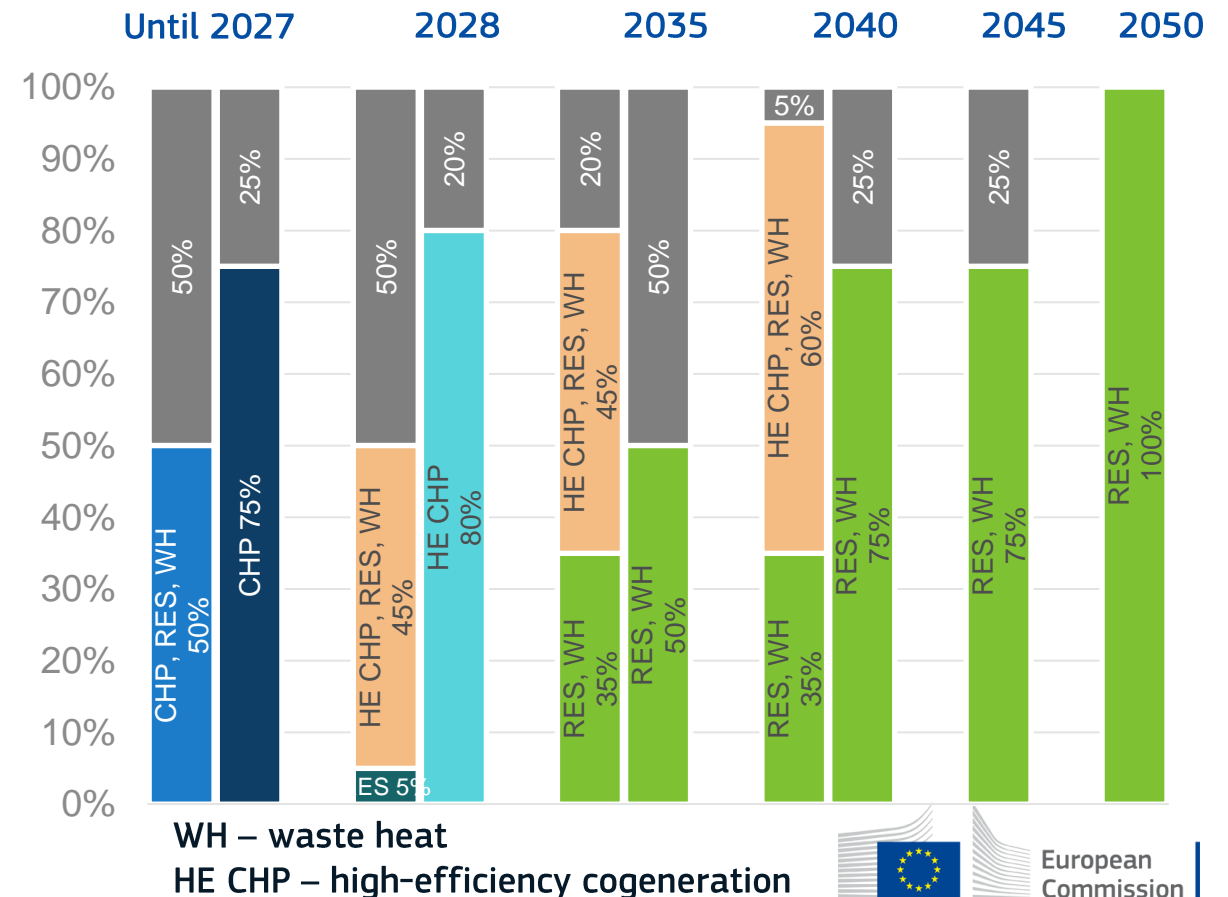


Encourage development of installations for waste heat, high-efficiency cogeneration and use of heating and cooling from waste heat and renewable energy sources

EU Member States to take adequate measures for such infrastructure to be developed

- Local authorities to prepare local heating and cooling plans in municipalities with a total population > 45.000

Also, updated definition of energy efficient district heating & cooling, introducing a trajectory towards 2050



Energy efficiency financing policy – Context

- Investment needs towards the EU 2030 energy efficiency targets and building renovation objectives are estimated at over **€ 300 billion per year**, with an annual investment gap of **at least € 165 billion**
- Although public financing for energy efficiency has grown significantly in recent years, most of the investments **must be mobilised from private capital** via **an efficient use of public financial support**
- It requires:
 - a strong **policy and legislative** framework
 - a strengthened **dialogue** between **public & private** actors
 - **public support actions** in a cost-effective way

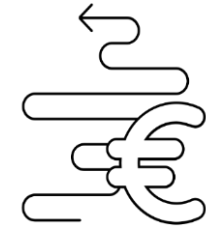
Energy efficiency - Financing policy & legislation

- **Legal basis/vehicles:**

- Energy legislation - EED (Art. 30, 21), EPBD recast (Art. 17)
- Sustainable Finance Framework – EU Taxonomy and disclosure requirements

- **Objectives:** Remove regulatory barriers, develop favorable conditions and predictability, support financing instruments to better match investment supply and demand

EED Art. 30 obligation for Member States to promote financing schemes leveraging private investments



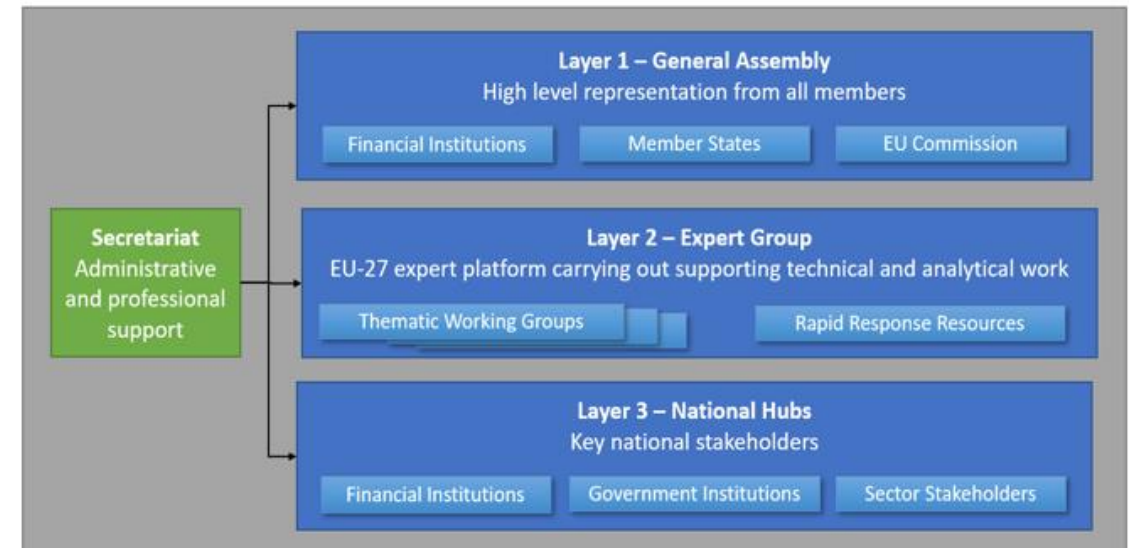
- Ensures **wide and non-discriminatory offer** by financial institutions
- Introduces **reporting requirements** on EE financing (volume, lending products, leverage)
- Strengthens **cooperation** between **public and private financial institutions**

Next steps: report to co-legislators on EE financing; guidelines to Member States & market actors on unlocking private investments; 1st Plenary of the European Energy Efficiency Financing Coalition

European Energy Efficiency Financing Coalition

- **Aligned to EED Art. 30:**

- Brings the European Commission, Member States and financial institutions together
- Three-level structure providing (i) political mandate, (ii) technical expertise and (iii) national dialogue
- Launched on 22 April 2024



- **Objective:** Mobilise private financing for energy efficiency at scale
- **Focus on implementation:** importance of National Hubs to get closer to the national and local reality (integrating existing initiatives e.g. SEIF)

Energy efficiency – Overview of EU support & funding

- For 2021-2027, the EU committed EUR 120-150 billion to energy efficiency, largest share from the Recovery & Resilience Facility (RRF)
- Most EU funding is implemented by national authorities, notably through RRF, Cohesion policy instruments - [National single portals - European Commission \(europa.eu\)](https://european-council.europa.eu/media/en/press-communications/infographic/infographic-national-single-portals-2021-2027-1000x500.pdf).
- Additional EU support to develop **energy efficiency** projects and activate investments, is available through centralised initiatives... including:
 - Horizon Europe
 - LIFE - Clean Energy Transition (LIFE-CET)
 - Invest EU, including the European Local ENergy Assistance (ELENA)
 - European Energy Efficiency Fund (EEEF)

Invest EU advisory services - European Local ENergy Assistance (1/2)



- Part of **Invest EU Advisory Hub**
- **ELENA** is a successful EU technical facility:
 - preparation of investment programmes/project
 - energy efficiency, sustainable residential and urban mobility projects – contribute to the renovation wave
 - 15 years of experience (started in 2009)
 - 144 projects financed in 24 EU Member States
 - around €300 million of technical support for 9.5 billion of investments (leverage factor of 32)

Example of recent projects

PL - EE in Multi-Family Residential Buildings (1,9M€ contribution)

Renovation of 185 buildings, 40% EE and 60% GHG saved on average

NL - Healthy homes (2,8 M€ contribution)

Renovation of 1,200 apartments to reach NZEB standards (78% savings)

FR - Bordeaux energy positive (2,5M€ contribution)

Renewable DH networks and renovation of non-residential buildings (public & private)

Invest EU advisory services - European Local ENergy Assistance (2/2)



- When applying to ELENA, some **general rules** to consider :



Minimum investment of **€30m** - Grant covers up to **90% of costs** related to **project development support**



Level of maturity - preparatory studies carried out and main decisions taken (demonstrate high probability that project will be implemented)



Leverage factor - **20 for sustainable energy, 10 for residential buildings**



3-year implementation period for EE projects

Final beneficiary (applicant) doesn't have to be the one who is implementing the investment

European Energy Efficiency Fund (EEEF)



- **Investment fund** with EC as co-investor – also provides TA services
- Supports the transition to resilient, energy efficient and green infrastructure:
 - energy efficiency, small-scale renewable and clean urban transport projects
 - currently 5 investors
 - 53 public and municipal authorities involved
 - 16 active investments in 9 EU Member States – investment range €5 – 25 million
 - €197 million committed

Exemplary projects

IT - University Hospital S. Orsola Malpighi in Bologna
SPV to improve energy efficiency and heat distribution

PT - Vila do Conde
LED-based street lighting - 77% energy gains resulting in 3,2M€ economy for the municipality over the 12 yrs concession

LT – VIPA
Partnership with National Investment Development Agency to support projects with min.30% energy savings

Thank you



LIFE Clean Energy Transition

Supporting the delivery of EU policies in the field of buildings

CINEA Cross-Programme Buildings Clustering Meeting
21-22 May 2024, Brussels



Ana Sin Bagüés & LIFE CET team
Project Adviser, LIFE Energy & Climate
CINEA – Climate Infrastructure and Environment Executive Agency

CINEA

European Climate, Infrastructure and Environment Executive Agency



CONNECTING
EUROPE
FACILITY 2
Transport and
Energy

INNOVATION
FUND

HORIZON
EUROPE
Climate, Energy
and Mobility

LIFE
PROGRAMME

JUST
TRANSITION
MECHANISM
*Public Sector
Loan
Facility pillar*

RENEWABLE
ENERGY
FINANCING
MECHANISM

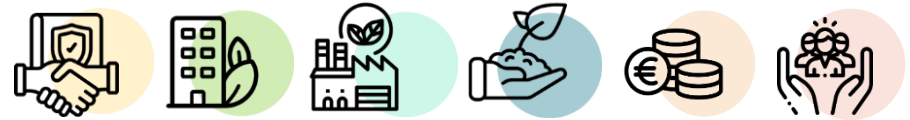
EUROPEAN
MARITIME
FISHERIES
AND
AQUACULTURE
FUND

LIFE
Clean Energy
Transition



LIFE Clean Energy Transition (CET)

- Direct support for the implementation of EU energy policies and legislation...
 - Create market and regulatory enabling conditions for the clean energy transition
 - Improve governance and capacities/skills at all levels
 - Mobilise investments and improve access to finance
 - Develop and replicate best practices
- Defined main intervention areas...
 - Annual calls for proposals: **Deadline 19th September 2024**
 - 95% co-funding for most topics
 - Projects indicative budget ≈ 1.5 - 2 € million
 - Consortia: Most topics minimum 3 eligible countries, some topics national/regional focus



https://cinea.ec.europa.eu/life/clean-energy-transition_en

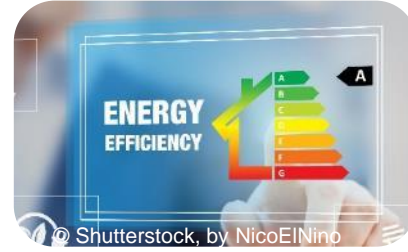


LIFE CET

Buildings – Funding areas for policy priorities



Deep renovation
(NZEB, ZEB)



Data and tools



Smart buildings
and services



Build Up Skills



Policy
implementation



Project development
assistance



One Stop Shops
for renovation



Consumers

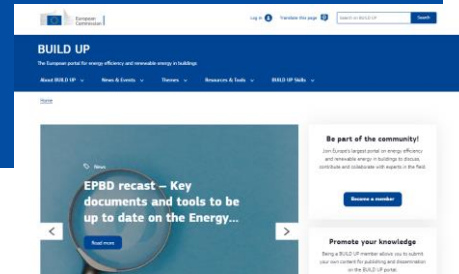


LIFE CET Buildings – Strategic initiatives

BUILD UP

- The European portal for energy efficiency and renewable energy in buildings
- A repository of tools, and a source of updates and news. Disseminate results!

<https://build-up.ec.europa.eu/en/home>



EU Building Stock Observatory

- The European repository for data and information on the EU building stock
- Key data and indicators, factsheets, and more

https://energy.ec.europa.eu/topics/energy-efficiency/energy-efficient-buildings/eu-building-stock-observatory_en



Concerted Action EPBD

- Enabling the implementation of the EPBD
- Exchange of knowledge among Member States (national ministries or affiliated institutions).

<https://epbd-ca.eu/about-us>



Citizen-led renovation

- Technical assistance to Energy Communities for energy-saving renovation projects
- Open call until 31 May 2024!

https://citizen-led-renovation.ec.europa.eu/index_en

Empower
your **ENERGY**
COMMUNITY!



LIFE 2024 CET Call



Topic: LIFE-2024-CET-BETTERRENO

Energy Performance of Buildings: Making renovation faster, deeper, smarter, service- and data-driven.

A - Large scale deep renovation.

- Market barriers, business models, supply + demand
- Renovation passports
- Coordination of supply market actors

B - Buildings energy data and services.

- Data collection, structuring, integration, access
- EPCs reliability and uptake
- BSO community
- Services, flexibility, SRI, etc.



Topic: LIFE-2024-CET-BUILDSKILLS

BUILD UP Skills:

Upskilling and reskilling interventions for building decarbonisation

A – Upskilling and reskilling interventions enabling a decarbonised building stock and energy system integration.

- Skills for implementation of core provisions in the EPBD
- Skills for deep renovation, including modular and industrialised solutions
- Innovative on-site training methods
- Skills for renovation support services (OSS)
- Skills for solar energy or heat pumps

B – BUILD UP Skills community of practice.

- EU community of practitioners, fostering collaboration and best practices, bridging BUILD UP skills projects and other initiatives

For more information...

LIFE Programme and calls:

- CINEA's website: https://cinea.ec.europa.eu/programmes/life/life-calls-proposals-2024_en
- LIFE 2024 CET Call document: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/life/wp-call/2021-2024/call-fiche_life-2024-cet_en.pdf
- Advice in your country: LIFE National Contact Points: https://cinea.ec.europa.eu/programmes/life/history-life/life-contacts/european-national-contact-points_en
- Advice at CINEA: CINEA-LIFE-CET@ec.europa.eu
- CINEA Clean Energy Newsletter: <https://ec.europa.eu/newsroom/cinea/user-subscriptions/2180/create>



[LIFE Programme](#)



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LIFE 2021-2027



30 years of bringing green ideas to LIFE



**Nature and
Biodiversity**



**Circular Economy
and Quality of Life**



**Climate Change
Mitigation and
Adaptation**



**Clean Energy
Transition**

Thank you



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CINEA Cross-Programme Buildings Clustering Meeting

Horizon Europe – innovation for buildings in energy transition

Christof Marx, Programme Coordination Manager
European Climate, Environment and Infrastructure
Executive Agency

Content

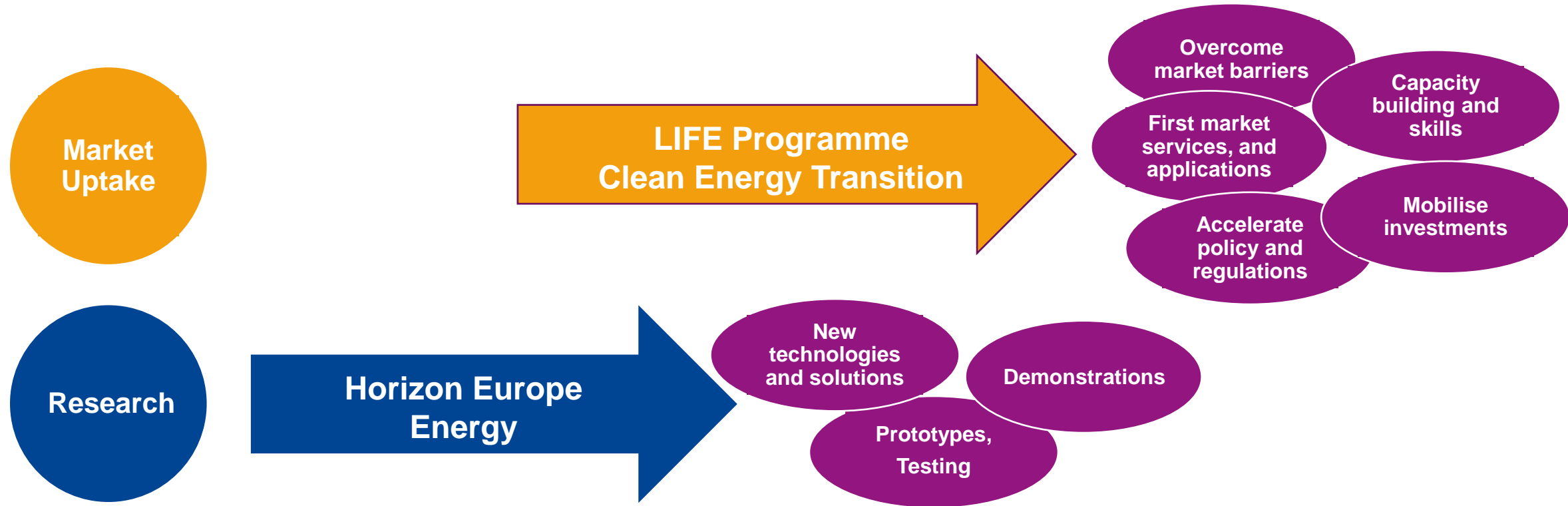
- Overview – R&I portfolio of buildings projects
- Horizon Funding in 2024 – Section 8. Climate, Energy and Mobility
- Horizon Funding in 2024 – Section 12. Missions & Cross-cutting Activities
- Horizon Europe – Cities Mission
- Other useful information



Overview

R&I portfolio of buildings projects

Distance to market of projects



RIA – Research and Innovation Action (usually TRL 3-5)

IA – Innovation Action (usually TRL 6-9)

CSA – Coordination and Support Action

Horizon Europe – Buildings portfolio

Built4People
PPP

**Horizon Europe
Energy Efficiency Research**

64 projects on buildings,
smart cities, and New
European Bauhaus

EUR 373 million of EU
funding

12 RIAs, 50 IAs, 2 CSAs

Scalable
Cities
Service
Contract

Building
renovation -
envelope and
technical
systems

Energy
performance
certification /
data

Smart
buildings

Energy positive
neighbourhoods
and districts

Climate
responsive and
resilient
buildings &
neighbour-
hoods

Zero-emission
buildings –
products,
materials,
whole life cycle
carbon

Built4People Partnership



- **European Partnership for People-centric Sustainable Built Environment**
- **Vision:** High-quality, low-carbon, energy and resource-efficient built environments, like buildings, infrastructure, and more, which drive the transition towards sustainability.
- Running for 7 years from 2021 – 2027
- EU funding budget of circa €380 million
- EC, ECTP, WGBC, actors in built environment



Built4People - Stakeholder involvement

Why participate

- Follow-up of **EU research and innovation** in the B4P domain/area
- Taking part in **setting thematic priorities**, helping to **channel almost €400m of EU innovation funding** for the built environment.
- **Networking** for consortium building, entering value chains, and **risk-sharing**

How to participate

- **Participate in calls** - *B4P calls are fully open to all and anyone can participate!*
- **Follow info-sessions and open consultancies**, e.g. *entities can send inputs & receive information through the Stakeholders Forum*
- **Become a Partner in the associations** - *entities can be more proactive by joining the associations in the background (WGBC or ECTP)*



Horizon Funding in 2024

8. Climate, Energy and Mobility

Destination 4: Efficient, sustainable and inclusive energy use

Highly energy-efficient and climate neutral European building stock:

- **Work Programme 2024**
- Horizon-CL5-2024-D4-02: 5 topics
- **Indicative budget: EUR 50.00 million**
- **Opening: 17 September 2024**
- **Deadline: 21 January 2025**

Highly energy-efficient and climate neutral European building stock

Topics (all Build4People Partnership)	Type of Action	Budgets 2024
HORIZON-CL5-2024-D4-02-01 Industrialisation of sustainable and circular deep renovation workflows	IA	EUR 16.00 million 2 expected project
HORIZON-CL5-2024-D4-02-02 Robotics and other automated solutions for construction, renovation and maintenance in a sustainable built environment	RIA	EUR 8.00 million 2 expected project
HORIZON-CL5-2024-D4-02-03 BIM-based processes and digital twins for facilitating and optimising circular energy renovation	IA	EUR 8.00 million 2 expected project
HORIZON-CL5-2024-D4-02-04 Design for adaptability, re-use and deconstruction of buildings, in line with the principles of circular economy	RIA	EUR 8.00 million 2 expected project
HORIZON-CL5-2024-D4-02-05 Digital solutions to foster participative design, planning and management of buildings, neighbourhoods and urban districts (B4P)	IA	EUR 10.00 million 2 expected project



Horizon Funding in 2024

12. Missions and Cross-cutting Activities

Cities Mission: 100 Climate-Neutral and Smart Cities by 2030

Call - Support for national, regional and local authorities:

- Opening: 18 April 2024
- **Deadline: 05 September 2024**

Topics	Type of Action	Budgets 2024
HORIZON-MISS-2024-CIT-02-01 Supporting national, regional and local authorities across Europe to prepare for the transition towards climate neutrality within cities	CSA	EUR 3.00 million 1 expected project

Destination: New European Bauhaus

Call - Transforming neighbourhoods, making them beautiful, sustainable and inclusive:

- **Opening: 7 May 2024**
- **Deadline: 19 September 2024**

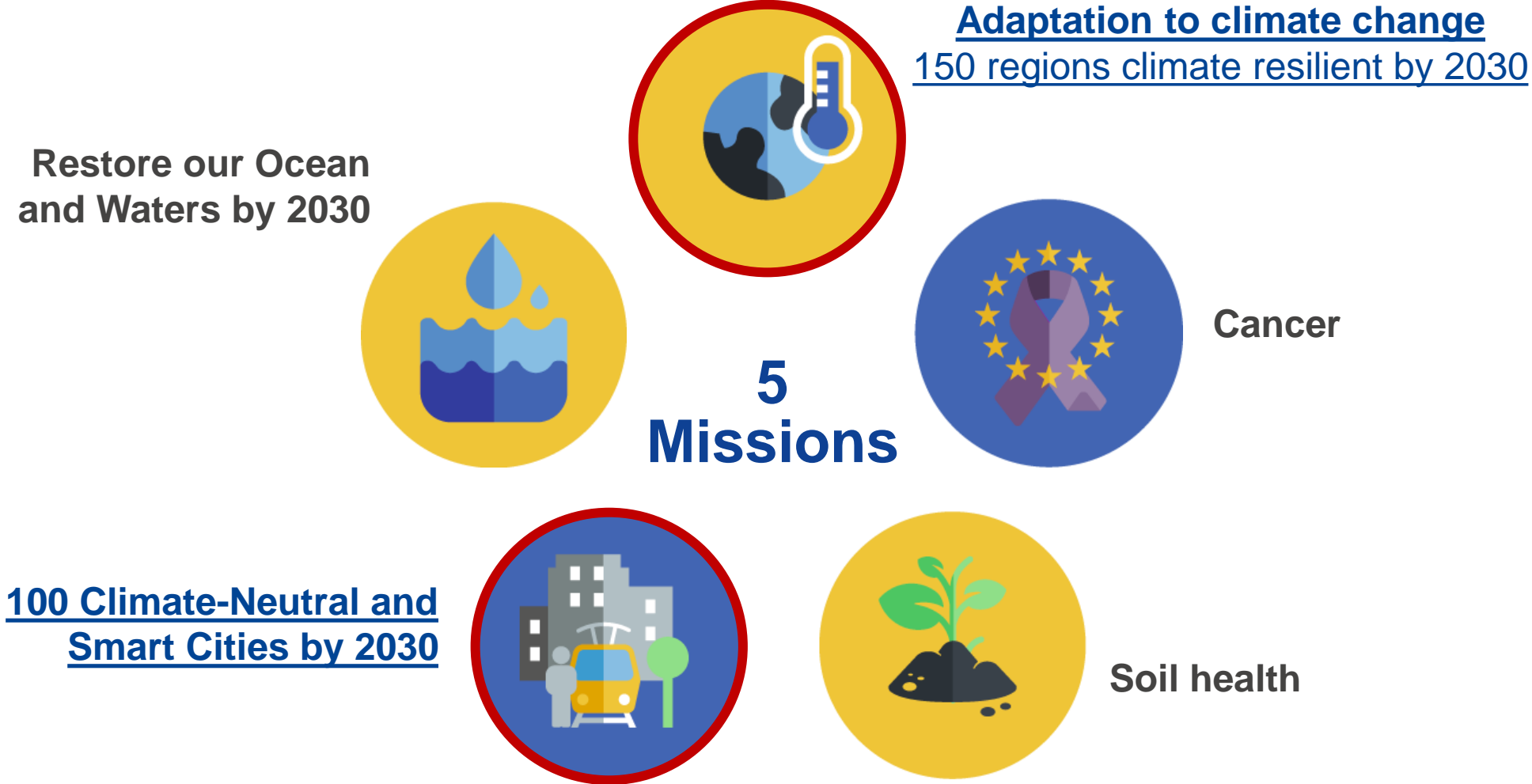
Topics	Type of Action	Budgets 2024
HORIZON-MISS-2024-NEB-01-01 Exploiting the potential of secondary bio-based products	RIA	EUR 8.00 million 2 expected projects
HORIZON-MISS-2024-NEB-01-02 New governance models for the co-design and co-construction of public spaces in neighbourhoods by communities	IA	EUR 8.00 million 2 expected projects
HORIZON-MISS-2024-NEB-01-03 Setting up a New European Bauhaus hub for results and impact	CSA	EUR 1.80 million 1 expected project



Horizon Europe Missions

Cities Mission

Horizon Europe – Missions – Overview



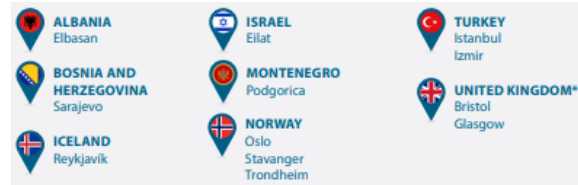


OBJECTIVES

Deliver at least 100 climate-neutral and smart European cities by 2030

Ensure that these cities act as experimentation and innovation hubs to put all European cities in a position to become climate-neutral by 2050

Associated countries



Cities Mission - How does it work?

#MissionCities

EU
MISSIONS

Horizon Europe

Mission Platform

- Run by [NetZeroCities](#) consortium
- Tailor-made advice on technical, regulatory, governance, financial and social innovation issues
- Pilot Cities Programme
- Twinning Programme

Portfolio of R&I projects



Climate City Contracts (CCC)

Have three interlinked components:

- Commitments
- Action Plan
- Investment Plan



MISSION LABEL



- Acknowledges a city's plan to achieve climate neutrality
- Help access funding & financing
- 33 European cities by 24 March 2024

Portfolio of R&I projects

Seven project clusters funded so far, more to come

Urban planning and design

- Project [UP2030](#): Urban Planning and design ready for 2030
- Project [Re-Value](#): Re-Valuing Urban Quality & Climate Neutrality in European Waterfront Cities
- Project [CLIMABOROUGH](#): Building Green and Climate Neutral City-Hubs

Urban greening and re-naturing

- Project [GreenInCities](#): Green in cities
- Project [URBREATH](#): Systemic Integration of Transformative Technical and Nature-based Solutions to Improve climate neutrality in Cities and Regions and tackle Climate Change:
- Project [ReGreeneration](#): The next generation of green, resilient and socially inclusive smart cities

Public transport as backbone of urban mobility

- Project [UPPER](#): Unleashing the potential of public transport in Europe
- Project [SPINE](#): Smart public transport initiatives for climate-neutral cities in Europe

Inclusive, safe and sustainable urban mobility

- Project [REALLOCATE](#): Rethinking the dEsign of streets And public spaces to Leverage the mOdal shift to Climate-friendly Active Transport Everywhere
- Project [ELABORATOR](#): THE EUROPEAN LIVING LAB ON DESIGNING SUSTAINABLE URBAN MOBILITY TOWARDS CLIMATE NEUTRAL CITIES
- Project [AMIGOS](#): Active Mobility Innovations for Green and safe city sOLutionS
- Project [JUST STREETS](#): Framing safer, healthier and happier streets

User-centred smart, shared and zero-emission mobility

- Project [metaCCAZE](#): MetaInnovations, use cases, collaborative business and governance models for smart and shared Zero Emission mobility for passengers and freight
- Project [MOBILITIES FOR EU](#): New MOBility solutions for climate neutrality in EU cities

Positive Clean Energy Districts - planning and governance

- Project [NEUTRALPATH](#): Pathway towards Climate-Neutrality through low risky and fully replicable Positive Clean Energy Districts
- Project [ASCEND](#): Accelerate positive Clean ENergy Districts

Positive Clean Energy Districts - digital twins

- Project [TIPS4PED](#): Turning cities Planning actionS for Positive Energy Districts into success
- Project [EXPEDITE](#): Enabling Positive Energy Districts through a Planning and Management Digital Twin
- Project [BIPED](#): Building Intelligent Positive Energy Districts





Other useful information

New Publication – Deep Renovation



- **COOL DH** – LTDH for low energy neighbourhoods
- **DRIVE 0** – Renovation processes
- **HEART** – Retrofit packages
- **HIROSS4all** – Renovations (SP)
- **HouEEnvest** – One-stop-shop renovations / Guarantee fund (SP)
- **mySMARTLife** – Building renovations
- **outPHit** – ‘Energiesprong’ / One-stop-shop renovations
- **POWERSKIN PLUS** – Integrated façade retrofit solutions
- **SHEERenov** – One-stop-shop renovations (BG)
- **SmartEnCity** – Residential renovations
- **StepUP** – Deep renovations / processes & technologies
- **Superhomes2030** – Deep renovations (IRL)
- **Surefit** – Fast track renovations / prefabricated technologies

<https://cordis.europa.eu/article/id/450491>

Important Websites – Horizon Europe

Work Programme 2023-2025 (8. Climate, Energy and Mobility):

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-8-climate-energy-and-mobility_horizon-2023-2024_en.pdf

Work Programme 2023-2025 (12. Missions & Cross-cutting Activities):

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-12-missions_horizon-2023-2024_en.pdf

Built4People Partnership

<https://built4people.eu/>

Annotated Grant Agreement – Horizon Europe (V1.0 of 1 May 2024):

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf

Funding & Tender Portal – Support (IT helpdesk, enquiries, NCPs)

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/helpdesks?callType=1&programmePeriod=2021-2027&frameworkProgramme=43108390>

Funding & Tender Portal – Online Manuals

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/manuals>

Funding & Tender Portal – IT How to Guide

<https://webgate.ec.europa.eu/funding-tenders-opportunities/display/IT/IT+How+to>



Thank you

Christof Marx, Programme Coordination Manager
European Climate, Environment and Infrastructure
Executive Agency



Buildings Clustering Meeting, 21/ 22 May 2024

Breakout session: Buildings Rating Instruments

Ulrike Nuscheler & Olav Luyckx

LIFE-Clean Energy Transition + Horizon Europe,
CINEA, Units D1 and C2



Objectives of the Session

- to discuss new approaches to meet policy and market needs and to make EPCs more valuable for policy makers and market stakeholders;
- to explore synergies across instruments;
- to explore common ground across projects
- To identify elements and aspects of common interest and for future research need.

Ongoing EPC-projects

HORIZON

LIFE-CET

H2020

CrossCert
TIMEPAC
iBRoad2EPC
EUB Super Hub
EPC Recast

Smarter EPC
IEPB
TunES
EPBD-wise

Call 2022

EPC-projects

Horizon Europe

SmartLivingEPC
CHRONICLE

Call 2023

NN - Software kernel for EPB/ SRI
NN - National buildings databases



Session I-A: Energy Performance Certificates – the EPC of the future

Programme	Acronym	Project start date	Speaker
HE	Chronicle	7/2022	Christos Malavazos
HE	Smart LivingEPC	7/2022	Aggeliki Veliskaki
Horizon + LIFE-CET	EPC-Cluster		Andrei Litiu



Session I–B: Energy Performance Certificates + Renovation Passports: Synergies and Ways forward

Programme	Acronym	Project start date	Speaker
H2020	IBroad2EPC	9/2021	Alexander Deliyannis
LIFE-CET	EPBD-Wise	10/2023	Rui Fragoso
LIFE-CET	OneClick Reno	11/ 2023	Blanca Larraz



Session II: EPCs – Policy needs, Implementation challenges + synergies with other instruments

Programme	Acronym	Project start date	Speaker
H2020	TimePac	7/2021	Leandro Madrazo
H2020	CrossCERT	7/2022	Norberto Fueyo
H2020	EUB SuperHub	6/2021	Peter Gyuris
LIFE-CET	Smarter EPC	10/2023	Cecile Barrere
LIFE-CET	TunES	9/ 2023	Georg Vogt
LIFE-CET	IEPB	10/ 2023	Leticia Ortega
LIFE-CET	SRI-Cluster		Sylvain Robert

