

Built4People Stakeholders Forum 2025

15 October 2025 | 14h00 – 17h30 CEST

Breydel Auditorium (in the European Commission building at Avenue d'Auderghem 45 in Brussels).



Co-funded by the European Union



Agenda



- Welcome and registration (13h15 14h00)
- Opening (14h00 14h30)
- B4P | Activating the New European Bauhaus (14h30 14h50)
- Technical session with NEB & B4P Projects (14h50 15h30)
- Coffee break (15h30 16h00)
- Affordable Housing state of play and panel discussion (16h00 16h50)
- The B4PIC Network: state-of-play and next steps (16h50 17h00)
- B4PIC Charter Signature Ceremony (17h00 17h25)
- Closing (17h25 17h30)









Co-funded by the European Union



Opening session

[14h00 - 14h30]

Opening and welcome





Mathieu DALOZE

DG ENER (ENER.B2.),
European Commission
Policy Officer



Anastasiya YURCHYSHYNA

ECTP

Project & Policy Officer



Alain ZARLI

ECTP

Secretary General





High-level Speech





Margareta DJORDJEVIC

Head of Unit - Energy Efficiency: Policy and Financing (ENER.B.2)

Directorate-General for Energy (DG ENER)

European Commission





High-level Speech





Edward WOODS

Head of R&D, Innovation and Venture Capital

Bouygues Construction

ECTP President





High-level Speech





Ilari AHO

Vice President, Sustainability & Regulatory Affairs

Uponor Group – Georg Fischer

Vice President of ENCORD

B4P Partnership Board Chair







Co-funded by the European Union



B4P | Activating the New European Bauhaus

[14h30 - 14h50]

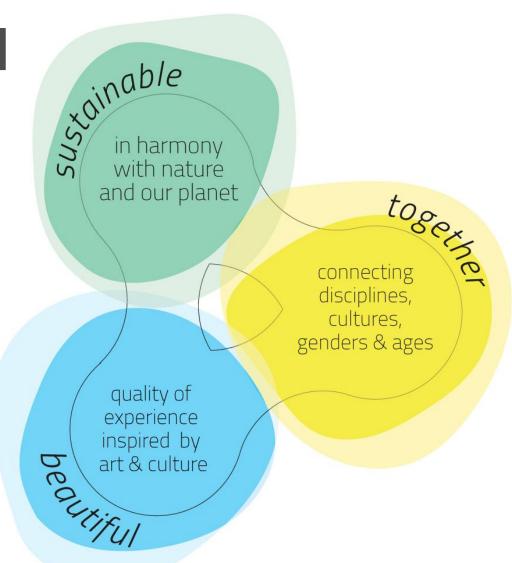
THE NEW EUROPEAN BAUHAUS AND THE NEB FACILITY

Policy Update

Built4People Stakeholders Forum 2025 15 October 2025

Emilie Vandam

Policy Officer JRC.B4 - New European Bauhaus Directorate-General Joint Research Centre, European Commission



What have we achieved since 2020?

- NEB Community across Europe
- Bottom-up initiatives and funding projects
- NEB objectives in EU programmes and policies, and within the European Commission
- Tools guidelines to support NEB projects
- Awareness, mobilisation, sharing of best practices



NEB in the current Commission

President Von der Leyen, July 2025 (Political Guidelines): Four years ago, I launched the New European Bauhaus, bringing sustainability together with inclusion and affordability, creativity with innovation. And we will now enlarge this community.



Towards a Commission Communication and proposal for Council Recommendation

COMMUNICATION

Overarching objective:

Capitalising on the NEB achievements of its first 5 years, support Europe's move towards a more inclusive and sustainable future by offering cocreation spaces where a range of professional actors, researchers, users and citizens meet and work together to improve daily life and shape their communities and neighbourhoods.

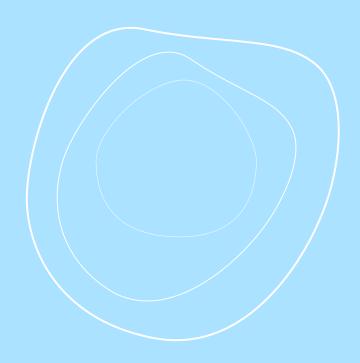
RECOMMENDATION

Overarching objective:

MS to operationalize NEB values and principles in their policies and across programmes, optimize use of funding to support transformative changes of neighbourhoods.







The NEB Facility



NEB Facility: Revitalise European Neighbourhoods with Design for Sustainability and Inclusion

Objective (

Objective 2

Objective (3)

Transforming Places with Communities

Supporting Innovation

Enabling Change

R&I Component:

Develops novel NEB solutions

Funding approximately EUR 120 Million/year

Roll-out component:

Implements and scales up NEB solutions

Funding mixed sources (EU, private and national funds), ambition: EUR **120 Million/year**







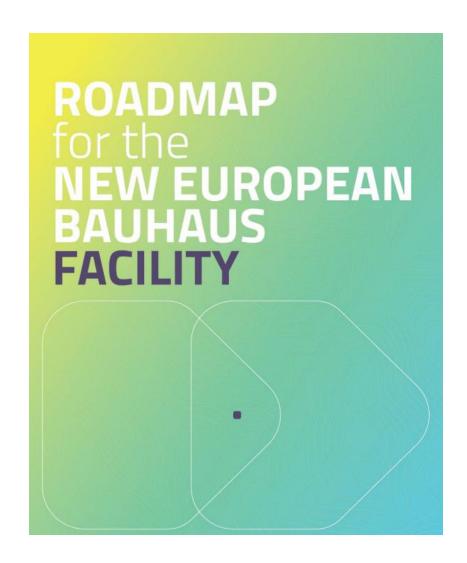
Engagement

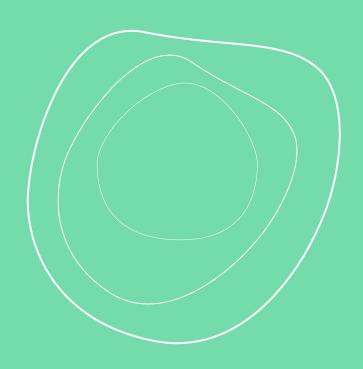
Communication

Tools

International Dimension

The NEB Facility Roadmap



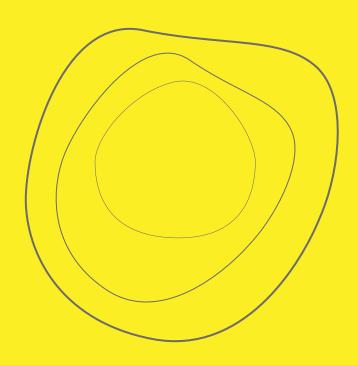


NEB Facility Funding opportunities in Horizon Europe



NEB Facility – R&I component: Overview of 2025 funding opportunities

Topic identifier	Topic title
HORIZON-NEB-2025-01-PARTICIPATION-01	The impact of common space on neighbourhood communities
HORIZON-NEB-2025-01-PARTICIPATION-02	Fostering and maintaining the social fabric for the green transition in neighbourhoods
HORIZON-NEB-2025-01-PARTICIPATION-03	Beautiful, sustainable and inclusive street furniture for the transformation of neighbourhoods
HORIZON-NEB-2025-01-PARTICIPATION-04	Network of neighbourhoods for innovative policies on gentrification
HORIZON-NEB-2025-01-REGEN-01	Applying regenerative design to the built environment in neighbourhoods
HORIZON-NEB-2025-01-REGEN-02	Bio-fabricated materials for sustainable and beautiful construction
HORIZON-NEB-2025-01-REGEN-03	Sufficiency measures in the built environment
HORIZON-NEB-2025-01-REGEN-04	Innovative approaches for sustainable, inclusive and beautiful social and affordable housing
HORIZON-NEB-2025-01-BUSINESS-01	Renovating the built environment through design for adaptability and disassembly
HORIZON-NEB-2025-01-BUSINESS-02	Bottom-up social entrepreneurship for the co-creation of neighbourhoods in line with the New European Bauhaus
HORIZON-NEB-2025-01-BUSINESS-03	Reverse local construction supply chains for the beautiful re-assembly of reclaimed construction products



NEB Festival 2026



Get involved and help shape the next Festival!





The New European Bauhaus invites you to imagine and build a beautiful, sustainable and inclusive future.

Celebrate the power of democratic engagement in shaping more inclusive and sustainable communities.

Submit your application to our calls:

Innovators, thinkers, game-changers

WHAT Beautiful, sustainable & inclusive projects, products & ideas

WHY Five days of networking with potential partners and collaborators

Before 15 October 2

WHO Artists, collectives, cultural organisations

WHAT Music, threatre, dance, performance, art exhibitions, and more

WHY Present your creative vision to a vibrant audience

Before 15 October 2025

ORGANISE AN EVENT

WHO Events in Brussels, Europe, and the world

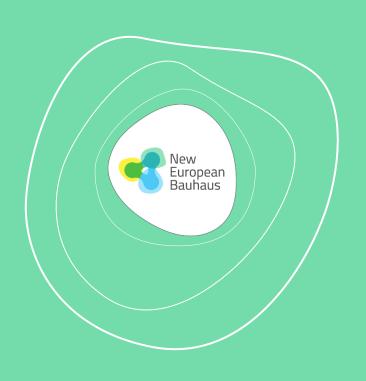
WHAT Promoting beautiful, sustainable & inclusive projects

Gain international visibility

Before **31 December 20**



Thank you!



#NewEuropeanBauhaus

- Web: https://europa.eu/new-european-bauhaus
- Instagram: @neweuropeanbauhaus
- Newsletter:

https://europa.eu/new-european-bauhaus/stay-touch/e-zine_en

Activating the New European Bauhaus

Dr Selma Harrington
Chair ACE EU-funded Research and Innovation WG

Jacques Timmerman
Architect and consultant in urban regeneration. Chair of the ACE NEB WG

Larissa De Rosso ACE EU funding and projects manager





- A public-private partnership (PPP) under Horizon Europe.
- Goal: Make the European building sector people-centric, sustainable, and innovationdriven.
- Focus areas: R&I for energy efficiency, circularity, and smart buildings, Living labs and demonstration projects, Integration with NEB principles



- Initiative by the European Commission (launched in 2020)
- Bridges art, culture, inclusion, science, and technology toward the European Green Deal.
- Core values: Sustainability,
 Aesthetics, Inclusion
- Motto: "Beautiful, sustainable, together."
- Encourages co-creation and transdisciplinary innovation in the built environment.





Together

Translating NEB's values (beautiful, sustainable, inclusive) into R&I priorities and project frameworks

Mutual enrichment — B4P brings rigor and scaling, NEB brings creativity and inclusiveness

B4P can act as the structured "delivery arm" of NEB principles in the construction ecosystem

BUGA Wood Pavilion

Germany (2019) by ICD/ITKE & University of Stuttgart





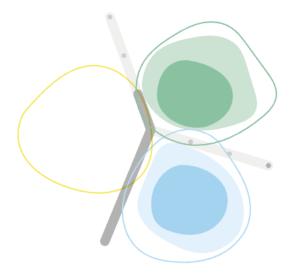


All photos: RLICA Mood Davilion® European Union 2022

Project description

od Pavilion celebrates a new approach er construction. The stunning wooden metres over a public event area, using a unt of material while also generating a ctural space. The pavilion was developed iplinary team of architects, engineers, it and public stakeholders. Due to its ding system it can be fully reassembled at and completely recycled at the end of the

Example





BUGA Wood Pavilion® European Union, 2022

Beautiful

AMBITION III: to integrate

The pavilion is conceived is conceived in a way that offers a positive sensory experience to the users, and gives special attention to light, acoustics, atmosphere and quality of spaces [I]. The structure is inspired by the shell of sea urchins. The flexibility of the venue makes it suitable for hosting large groups of people and offers a high-quality collective experience [II]. Furthermore, the architecture can be considered here as 'cultural vehicle', offering the chance to learn more about lifecycle thinking and re-use in design [III].

Sustainable

AMBITION III: to regenerate

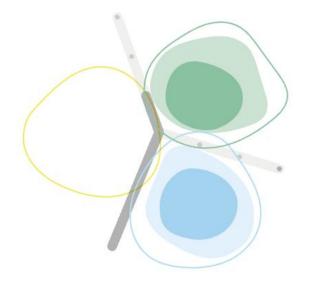
The design of the pavilion takes in consideration recyclability [I], but also the principles of re-use and circularity [II]: it can be either disassembled and erected at a new site, multiple times, or used to generate new energy through thermal reclamation. The elements that compose the structure are made of timber, and are responsibly produced to have a negative carbon footprint [III].

Together

AMBITION I: to include

The pavilion is inclusive by design: it presents no physical barriers and it can be publicly and openly accessed by everybody without distinction of any sort [I].

Example





BUGA Wood Pavilion® European Union, 2022

Participatory process

AMBITION I: to consult

The project team maintained a continuous dialogue with the public, actively communicating the progress of the line of research through presentations, publications and conversations [I]. The pavilion was developed from the start with public representatives, local carpenters and robotic integrators.

Multi-level engagement

NO CLEAR REFERENCE

The project description does not openly refer to dimensions of multi-level engagement in the terms defined by the Compass.

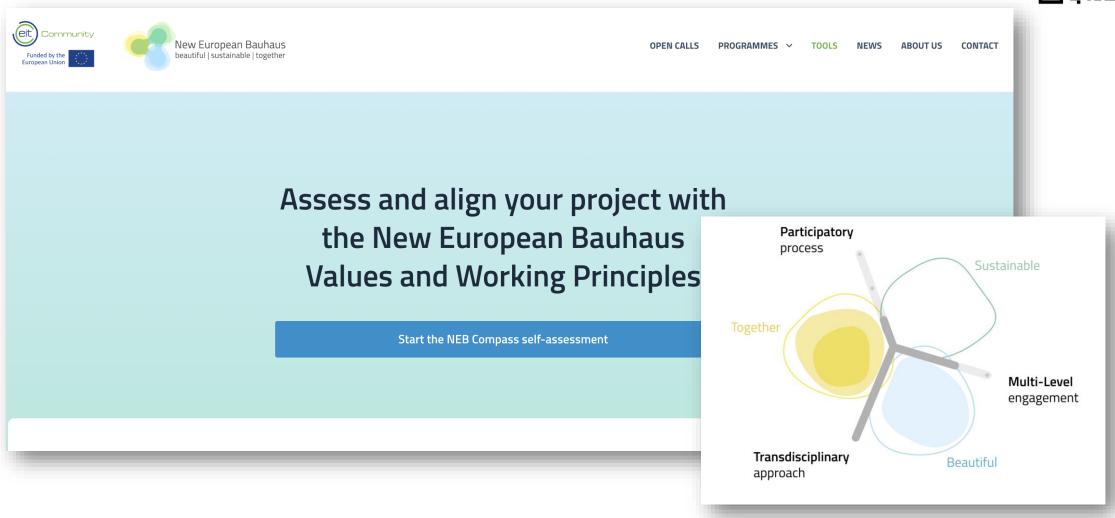
Transdisciplinary approach

AMBITION III: to be beyond-disciplinary

The project brings together academics, with industry and local crafts people through an innovative co-design approach, integrating digital production into the building culture of traditional craft [III]. The collaboration between robots and human brings novel possibilities in design, engineering and fabrication.

NEB Compass self-assessment





More Resources

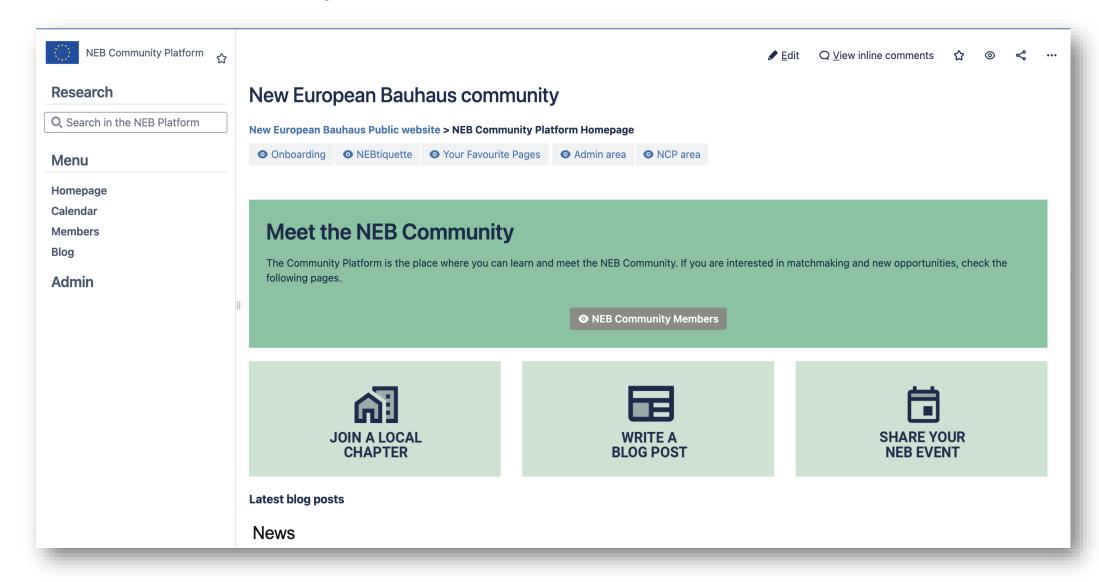


https://built4people.eu/wp-content/uploads/2023/10/New-European-Bauhaus-a-handbook.pdf



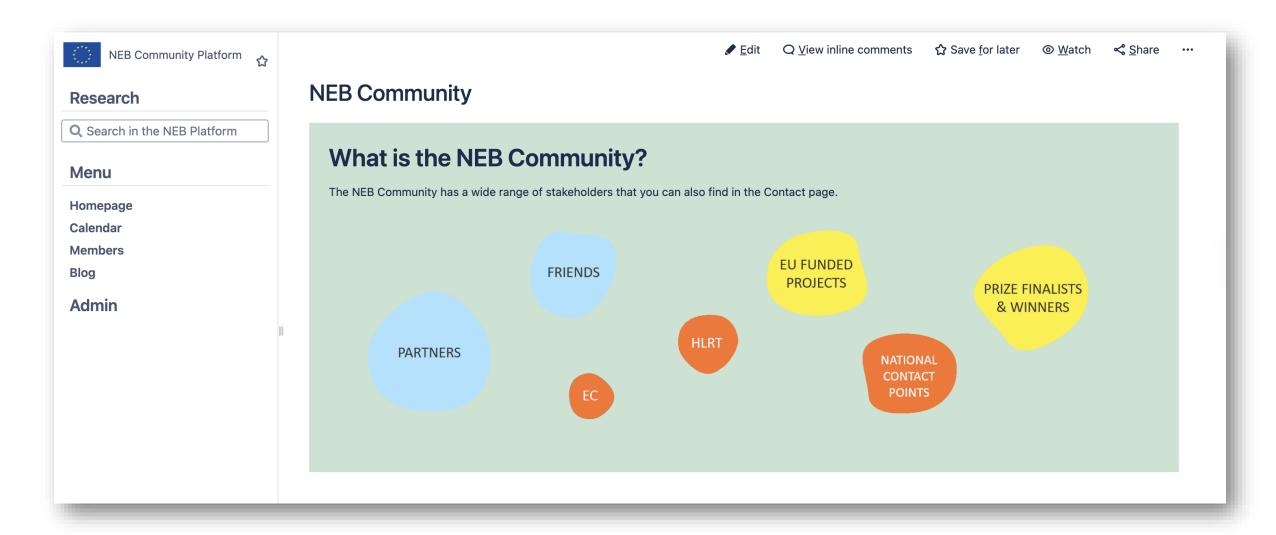
https://new-european-bauhaus.europa.eu/tools-and-resources_en

NEB Community

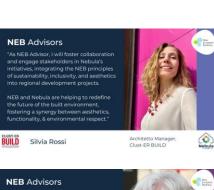


https://new-european-bauhaus.europa.eu/community-core-new-european-bauhaus_en

NEB Community



B4P – NEB advisor community













More than 20 NEB Advisors

Meeting on a regular basis

Networking and opportunities for collaboration between participants.

Updated information on the NEB initiative and funding opportunities

adopt the New European Bauhaus principles by prioritising sustainability heritage while fostering partnerships to





Culture and Heritage at ICLEI























Aurélie Romper

"The New European Bauhaus merges



NEB Advisors

The New European Bauhaus principles

align with the values STRESS promotes,

partnerships supporting sustainable

These partnerships enhance the

stress Carmine Pascale

"The New European Bauhaus (NEB)

supporting the NEB's mission and advancing sustainable progress in

principles of innovation and sustainabilit align perfectly with the core values of the Association of Balkan Eco-Innovation We foster fair and targeted collaboration to drive innovation and improvement,

NEB Advisors

Zommunication & Dissemination Manager,
The Association of Balkan Eco-Innovation
Nebula

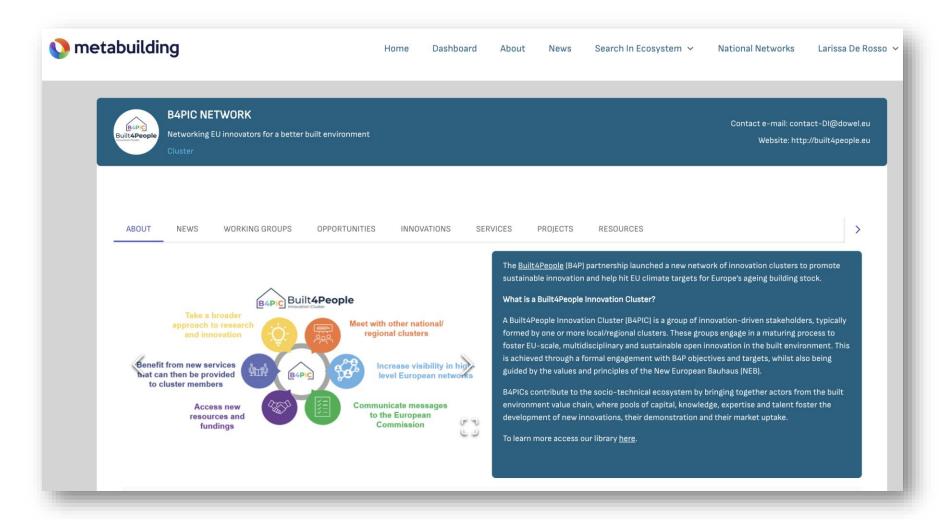


Dr Selma Harrington MRIAI Hon AIA

Heritage & Environment, ACE

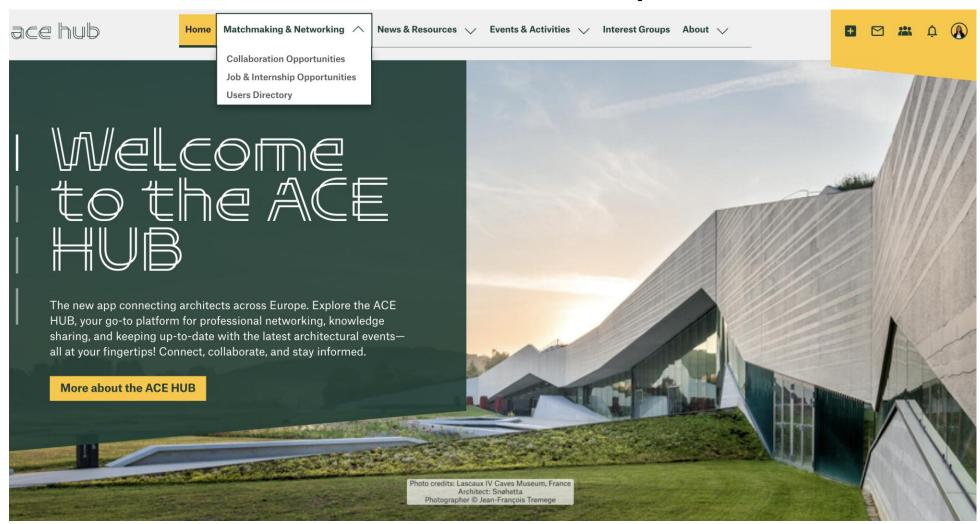


Network spaces



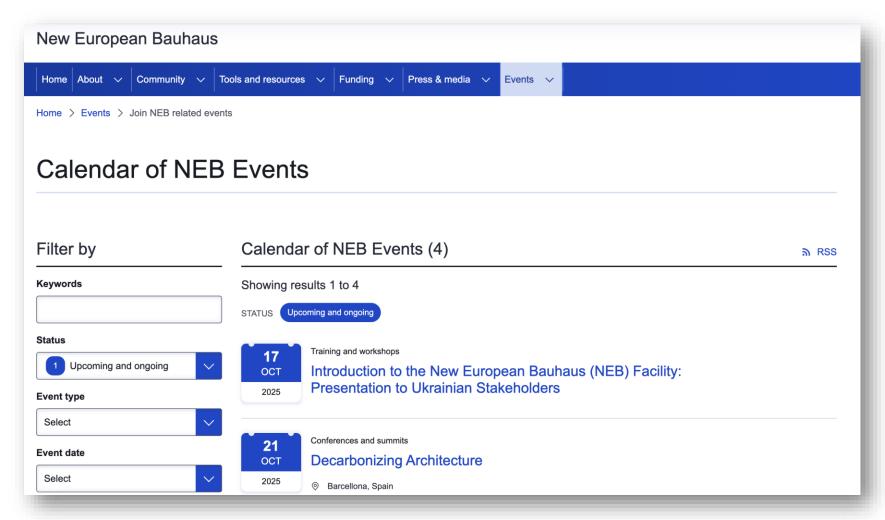


Network spaces





Events



https://new-european-bauhaus.europa.eu/events/calendar-neb-events en

NEBinars

Steering Committee

- **Dr Waclaw Szarejko** Faculty of Architecture, Wrocław University of Technology
- Dr Selma Harington Architects' Council of Europe
- Prof. Ferenc Makovenyi Szent Istvan University, Hungary
- **Dr Bartosz Macikowski** Faculty of Architecture, Gdansk University of Technology
- Arch. Borys Czarakcziew Architects' Council of Europe
- Julie Deutschmann Architects' Council of Europe



New European Bauhaus ACE Initiative for Young Architects

A Collaborative Journey by the Architects Council of Europe and Wrocław University of Science and Technology

Empowering Young Architects through the New European Bauhaus Initiative



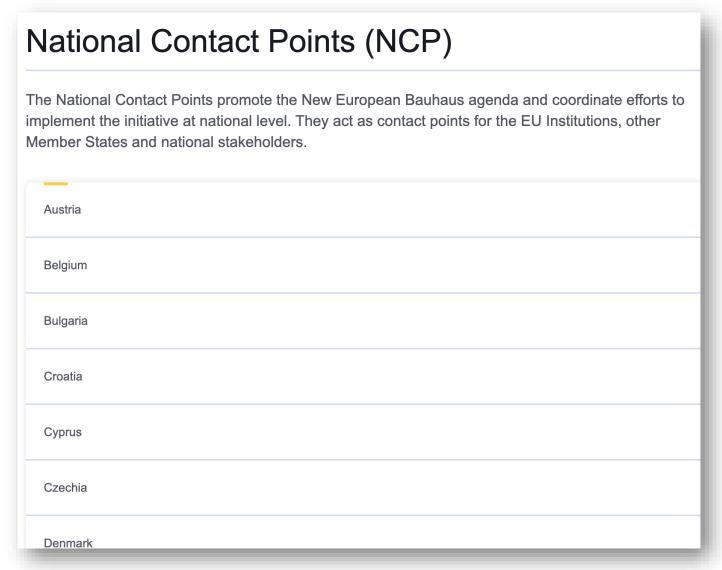


NEBINAR

IEW EUROPEAN AUHAUS ACE INITIATIVE FOR YOUNG ARCHITECTS

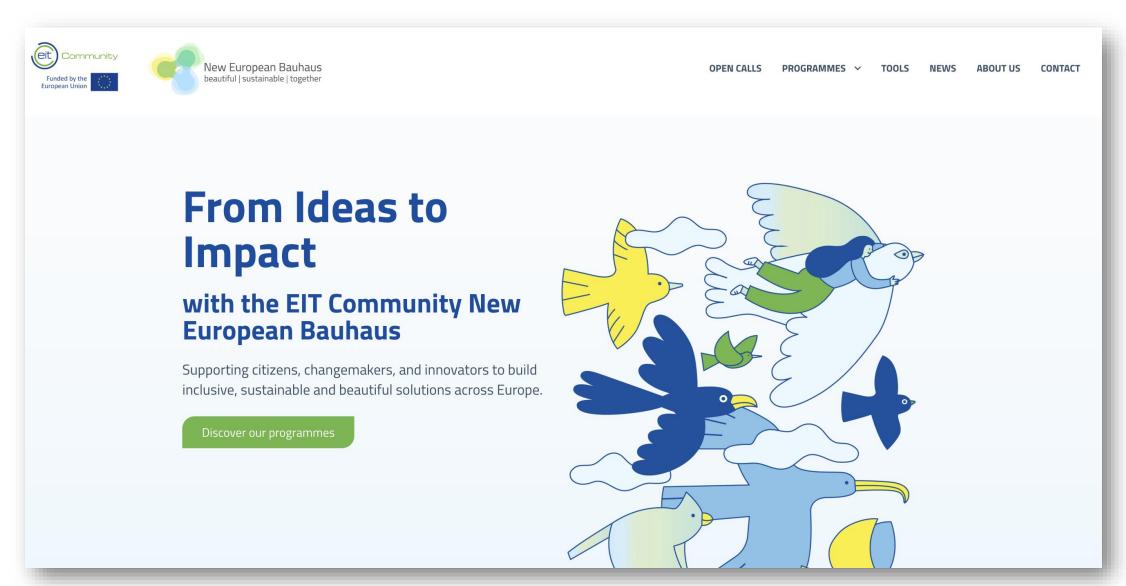
https://nebinar.eu/about-nebinar/

Funding Opportunities



https://new-european-bauhaus.europa.eu/about/national-contact-points_en

Funding opportunities: EIT NEB Community



Funding opportunities: NEB Academy

NEB Academy

As one flagship initiative of the European Year of Skills, the New European Bauhaus (NEB) initiative launches the NEB Academy on skills for sustainable construction.

The NEB Academy will accelerate **up-skilling and re-skilling in the construction ecosystem** to support the transition from an extractive, mineral-based and fossil hydrocarbon-fuelled construction economy to a regenerative bio-economy and circular system of material reuse.

In line with the integrated approach of the New European Bauhaus, the NEB Academy embraces a systemic **thinking around sustainable construction**, looking at all the phases and links in the sector's value chain. Identified knowledge gaps in the use of **bio-based materials**, **digital technologies**, **and increased circularity in construction** offer the first focus areas.

To promote inter-regional exchange of skills and best practices, the NEB Academy will:

Encourage the creation of NEB Academy Pioneer Hubs

NEB Academy NEWS – NEB Forum BiH



We have been selected! as a provider of a training course

"Navigating Sustainability, Conservation and Circularity in the Built Environment"

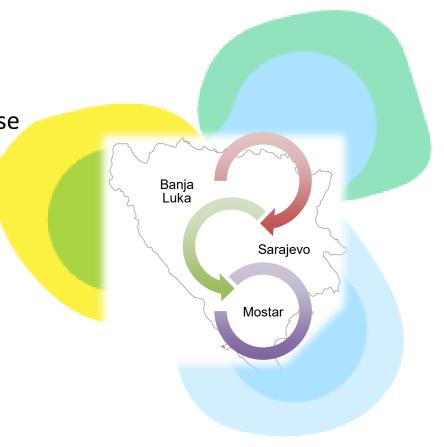
Prepared and delivered by the NEB4BIH team, the course will strengthen local, regional and international collaboration, contributing both to quality of built environment and processes of European integration.











NEB Forum BiH

FRESH&BOLD DAYS OF ARCHITECTURE SARAJEVO 2025



NEB Forum BiH | Foundation NEB4BiH | Events + Projects

Days of BHAAAS, Sarajevo
Mostar Green Design Biennale, Mostar
Nights of architecture, Banja Luka
NEB Festival '24 satellite event I Urban Design Stu

NEB Festival '24 satellite event I Urban Design Studio, Sarajevo

Public Vote Winner '24 for MAP4Water Project with Green

Building Council, Brussels

Built4People Innovation Cluster partner, Brussels

Days of Architecture Festival, Sarajevo





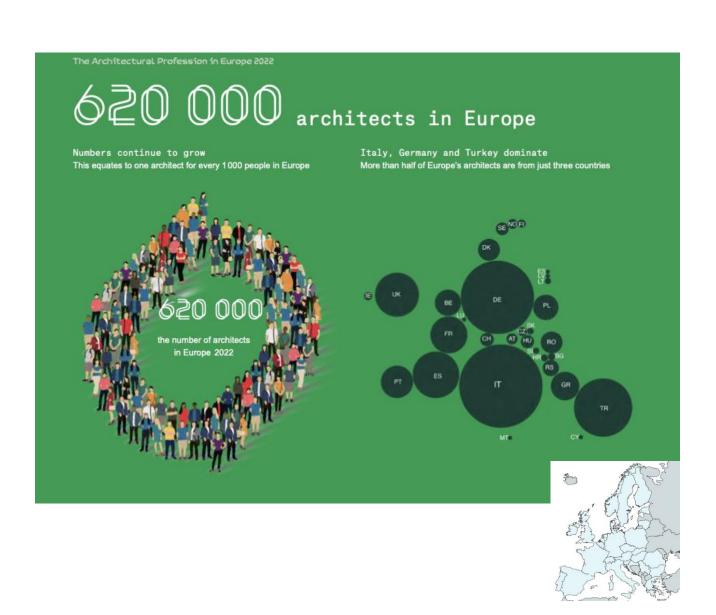






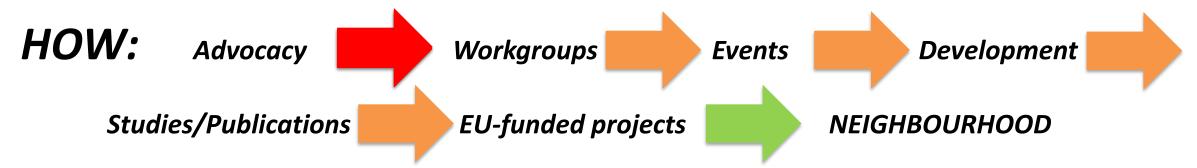
ARCHITECTS COUNCIL OF EUROPE (ACE-CAE)

- → The representative organisation of the architectural profession at EU level, founded in 1990
- → 51 Member Organisations, from 35 countries, representing 620 000 architects
- → Regulatory bodies and professional associations



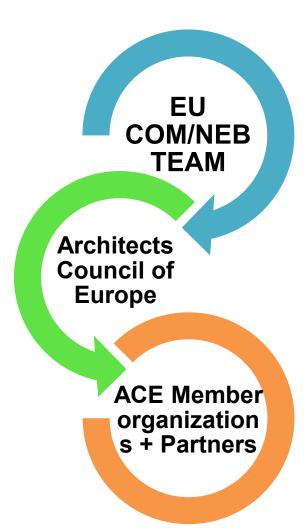
ARCHITECTS and **NEB**

Our mission is to demonstrate the role of architects in creating a truly competitive, enriching and sustainable Europe [2022 Annual Report and Outlook for 2023]





ARCHITECTS and **NEB**



- ACE in NEB Community Partnership
- Building Pan-European and regional NEB communities (NEBCollective, NEBINAR Poland, NEB Forum Bosnia and Herzegovina- NEB Awards 2024 Public Vote Winner)
- Peer Review, Evaluation, Expertise (SOAR Project, NET Zero Cities, EUI, NEB Labs)
- EU Projects Advisory Roles (digiNEB, NEBULA, NONA)
- ACE as B4P Member [Cultural Heritage & Environment]

Thank you for your attention!













Co-funded by the European Union



Technical session with NEB & B4P Projects

[14h50 - 15h30]

Welcome to





What is **NEB** Junction



NEB Junction is setting up the "NEB hub for results and impacts" to:

- collect, manage, monitor and exploit the knowledge produced by the NEB ecosystem,
- ensure cooperation and collaboration between the different stakeholders,
- identify the challenges faced and the research gaps yet to overcome,
- contribute to informing the implementation of the NEB Facility and help to increase its impact.

We are NEB Junction













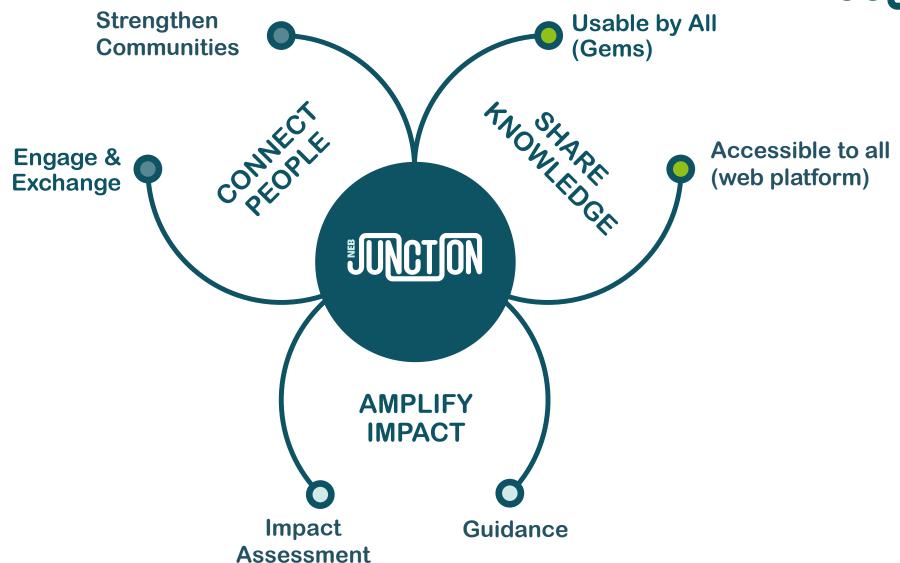


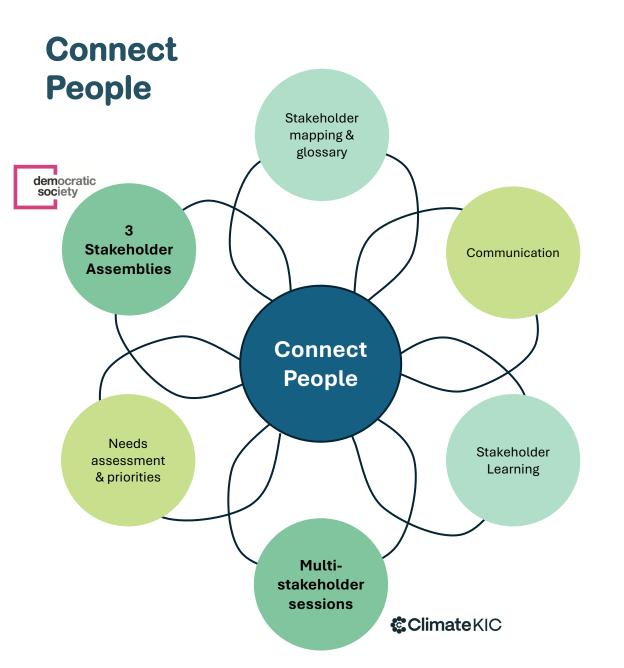




Our Mission









Visibility & networking opportunities

Create a space for **shared learning** through knowledge

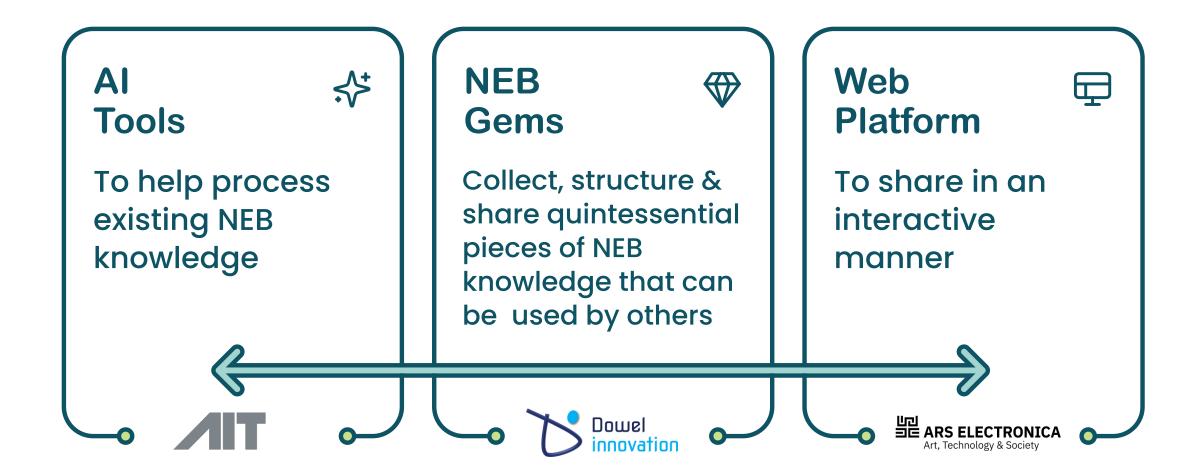
Ensure that the NEB Junction reflects your **needs** & supports the future of the NEB Facility

Foster a sense of belonging within the NEB

For direct outreach, you can contact: ellen.gale@climate-kic.org

Share Knowledge





Share Knowledge





What is a NEB Gem?

A key result of a project or initiative, from local to European scale, usable by others.

Based on one or several formal resources publicly available (i.e. reports)

Synthesised and packaged to be displayed on the NEB Junction portal.

2 types:

Case studies:

→ to give inspiration

Actionable resources:

→ to help implement

Share Knowledge





Do you have results that could become NEB Gems?

Get in touch with us, and we will provide you with guidelines to elaborate your Gem

Clementine.coujard@dowel.eu

Amplify Impact



NEB Impact Assessment

<u>%</u>

Monitoring system & knowledge analysis

Decision Support



Recommendations to decision-makers

Future of NEB



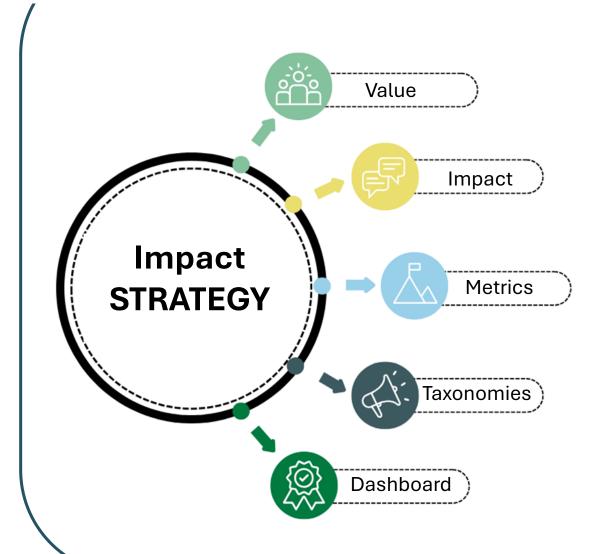
Support implementation of NEB Facility + what comes next







Amplify Impact



- Recognition of the values of every NEB Gem
- 2 Enhancement of the impacts of every NEB Gem
- Metrics track progress related to every gem
- Alignment with principles and values of the New European Bauhaus
- Interactive data-driven visualisation to explore the impact of NEB projects



Thank you for your attention!

Please get in touch:
karine.laffont@dowel.eu or cleantine.coujard@dowel.eu







MULTI-faceted CLIMate adaptation ACTions to improve resilience, preparedness and responsiveness of the built environment against multiple hazards at multiple scales

Fabrizio Tavaroli, Head of Building Engineering and Building Physics

Clemente Fuggini, Head of Infrastructure & Mobility Research & Innovation & Project Coordinator with

Celina Solari, Ing. Research & Innovation Project Manager

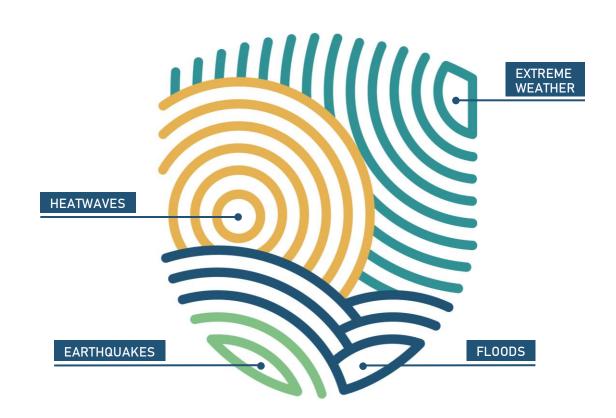


RINA Consulting S.p.A, 15th October 2025, B4P Stakeholders Forum

WHAT ARE THE PROJECT OBJECTIVES?



- Safeguard Europe's built environment against the rising threats of natural & climatic hazards
- Adress multiple hazard types: heatwaves, extreme weather, earthquakes and floods
- Develop 18 tools that are reliable, easy-to-implent & cost-efficient
- Test on 4 demo sites



MULTICLIMACT logo



WHY DO WE NEED IT?



Sources are the CDP report "Protecting People and the Planet" (2022) and World Bank Group publication "Lifelines: The Resilient Infrastructure Opportunity"



30%

of cities worldwide reported natural & climatic hazards in 2022 & number is increasing — it is important to act on it



are returned in the future for every 1\$ invested in the past for resilient solutions — it is worth the investment



1 3%

of extra investments are needed to build resilience into the built environment it is needed in big scale



WHAT DO WE WANT TO DO?





18

innovative tools which are reliable, easy-to-implement & cost-efficient

- 5 digital solutions
- 6 design practices
- 7 materials & technologies



4

demo sites with diverse climatic conditions and potential hazards will be used to test the effectiveness of the strategies

- Netherlands
 - Latvia

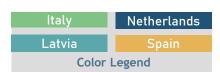
Spain

Italy



WHAT ARE THE KEY INNOVATIONS?





ENVIRONMENTAL & STRUCTURAL MONITORING OF BUILDINGS

EXTREME WEATHER PREVENTION & DAMAGE ESTIMATION

ENERGY & HEAT EVALUATION

ENERGY SOLUTION PLANNING

EARLY-WARNING OF FLOODS

5 DIGITAL SOLUTIONS

6 DESIGN PRACTICES

7 MATERIALS & TECHNOLOGIES

CULTURAL HERITAGE PROTECTION

GUIDELINE TO SUPPLY CHAINS

LIFE CYCLE APPROACH

GUIDELINE TO POLITICAL POLICIES

GUIDELINE TO ENERGY & WATER

HUMAN-CENTEREDNESS

WEARABLE VITAL SIGNS SENSORS

ECO-FRIENDLY MORTAR

SELF-SENSING FLEXIBLE CONCRETE

FIBER OPTICS FLOOD MONITORING

PASSIVE SYSTEM FOR HOUSING

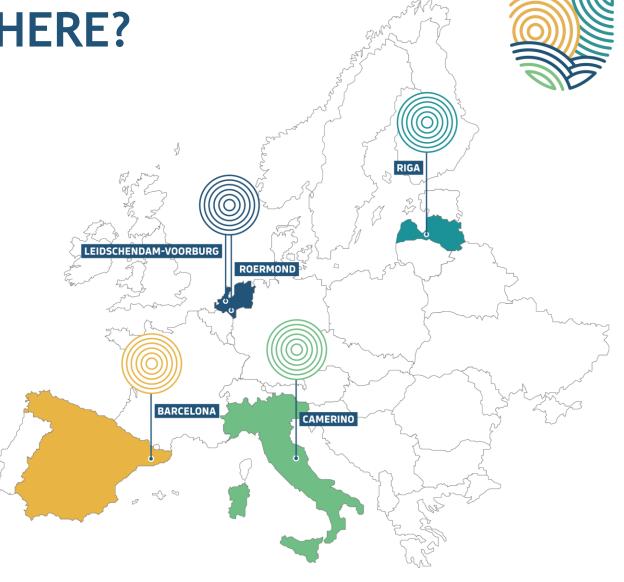
RECYCLED COOL PAVEMENTS



NBS TO REDUCE URBAN FLOODS

WHAT DO WE TEST WHERE?

- Netherlands: Tools for floods in territorial scale
- Latvia: Tools for extreme weather in urban & building scale
- Spain: Tools for heatwaves in urban scale
- Italy: Tools for earthquakes in building scale





OUR DEMO SITES







Potential hazards: Earthquakes, Heatwaves



BARCELONA - SPAIN

Potential hazards: Heatwaves, Floods, Rain Water Management



RIGA - LATVIA

Potential hazards: Extreme Temperatures, Heatwaves, Floods, Drought



LEIDSCHENDAM-VOORBURG & ROERMOND - THE NETHERLANDS

Potential hazards: Floods, Drought



WHAT DO WE TEST IN THE NETHERLANDS?

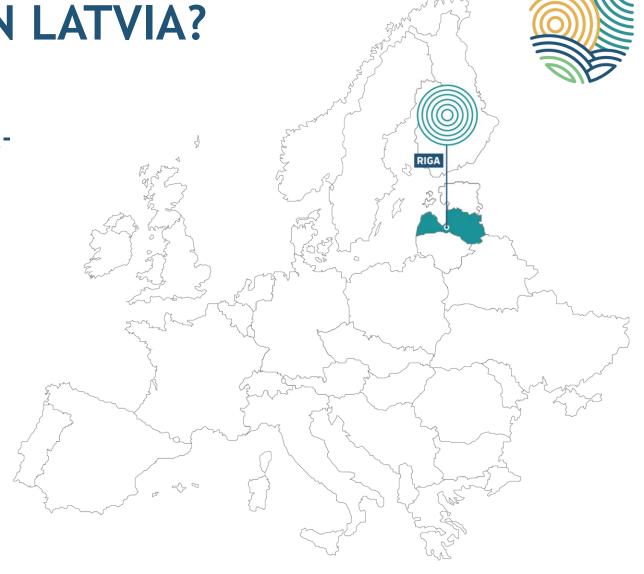
- Focus on tools for floods in territorial scale
- Fiber optics flood monitoring
- Early-warning of floods





WHAT DO WE TEST IN LATVIA?

- Focus on tools for extreme weather in urban & building scale
- Guideline to supply chains
- Life cycle approach
- Cultural heritage protection
- Passive system for housing
- Energy solution planning





WHAT DO WE TEST IN SPAIN?

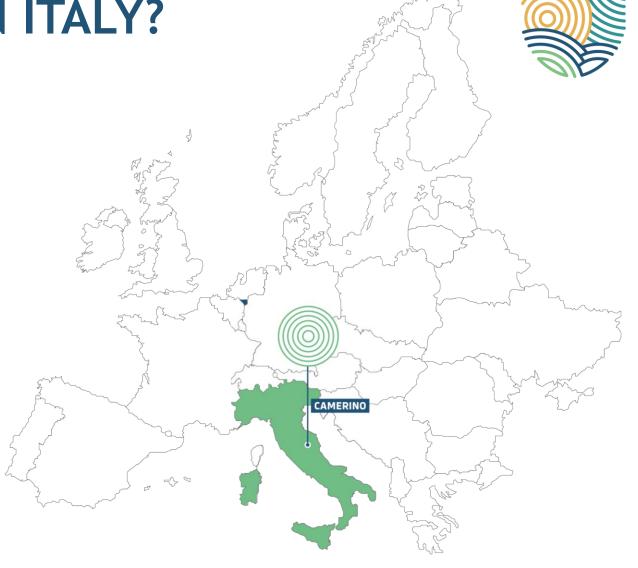
- Focus on tools for heatwaves in urban scale
- Guideline to political policies
- Recycled cool pavements
- NBS to reduce urban floods
- Energy solution planning
- Energy & heat evaluation





WHAT DO WE TEST IN ITALY?

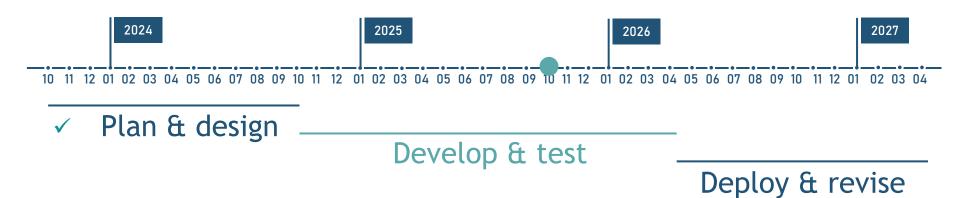
- Focus on tools for earthquakes in building scale
- Guideline to energy & water
- Human-centeredness
- Self-sensing flexible concrete
- Natural-based thermal insulation panel & Eco-friendly mortar
- Wearable vital signs sensors
- Extreme weather prevention & damage estimation
- Environmental & structural monitoring of buildings





WHERE ARE WE NOW?





- ✓ 1st Year Project Phase completed
- ✓ Develop & Test phase ongoing (M25)
- 42 submitted Deliverables
- √ 5 achieved Milestones

- 5 General Assemblies
- √ 18 attended events
- √ 5 clustering activities
- √ 6 scientific publications



CREMA: A Strategic Tool for Enhancing Climate Resilience in the Built Environment



MULTICLIMACT Resilience framework



Multi-hazard

Multi-scale







CREMA TOOL

Tool to assess the AS-IS and TO-BE resilience of buildings, urban areas and territories

Context Analysis Hazard

Identification

- Scale definition
- Asset characterization
- Hazard characterization



Risk

Assessment

- Hazard x Vulnerability x Impact
- Expected Annual Loss (EAL)



AS IS

Assessment

- Direct and indirect damages
- Level of Service (LoS)
- Residual lifetime estimation
- Recovery time and costs
- Demand increase

TO BE

Assessment

- Simulate adaptation/mitigation strategies
- Level of criticality
- EAL saved



CREMA TOOL Official Landing Page









Privacy policy

CREMA Tool platform for MULTICLIMACT

MULTICLIMACT is dedicated to safeguarding Europe's built environment against the increasing threats of natural and climatic hazards. Through innovative strategies tested across four pilot sites with diverse climatic conditions, MULTICLIMACT targets the urgent need for adaptive measures against floods, earthquakes, extreme weather conditions and heatwaves.

Login



Developed by

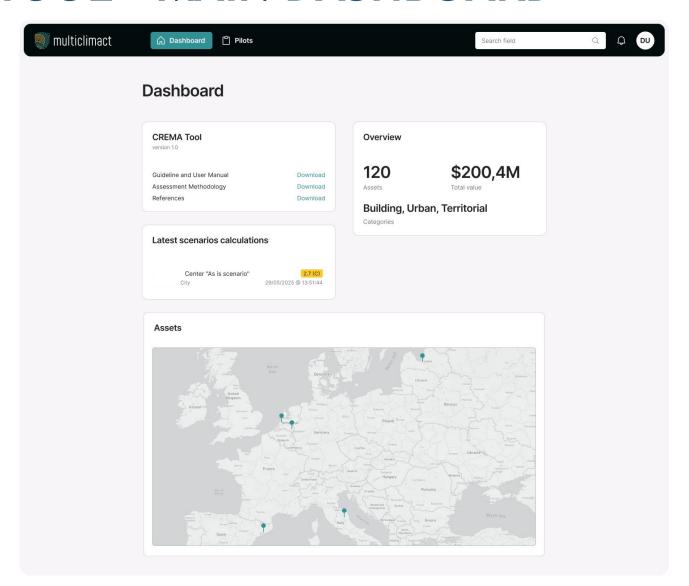


CREMA Tool is a software developed by RINA to assess and compare the resilience of buildings and structures to adverse weather events. The tool originates from a concept conceived by RINA, and its code is RINA's intellectual property.



CREMA TOOL - MAIN DASHBOARD"

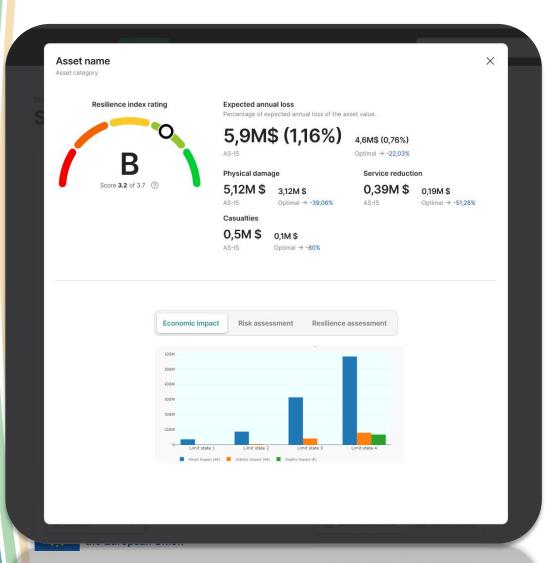


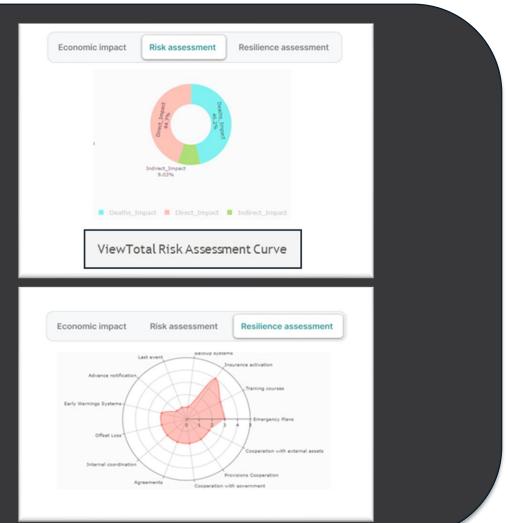




CREMA TOOL - Pilot Output



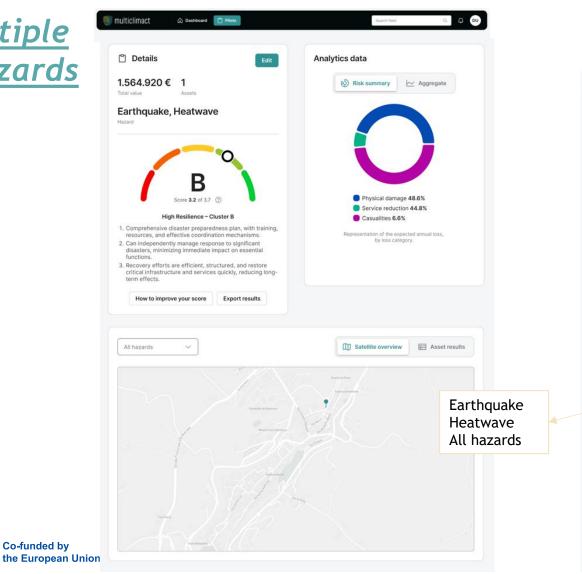




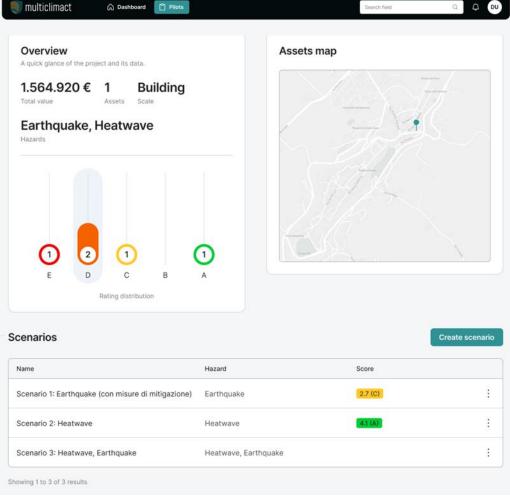
CREMA TOOL - Pilot Output

Multiple Hazards

Co-funded by







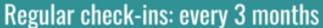
CREMA Tool - Value and Benefits

- ✓ Risk-informed planning identify interventions based on climate projections (i.e., IPCC scenarios) and outcome assessment (e.g., Resilience Index, Probability of damage, EAL)
- ✓ Optimize investment decisions ranking resilience-enhancing interventions, supporting efficient resource allocation, by quantifying the cost of inaction and comparing mitigation options
- ✓ Infrastructure reliability improvement long-term planning, by safeguarding services continuity
- ✓ **Data-driven decision-making and strategic resilience planning** enhancing preparedness and adaptive capacity under uncertainty
- ✓ **Adaptability and flexibility** for different contexts, sectors and geographies





























Visit our website www.multiclimact.eu



Subscribe to our <u>newsletter</u> on our website



Stay up to date on LinkedIn & X





THANK YOU VERY MUCH!

Fabrizio Tavaroli RINA Consulting S.p.A



https://www.rina.org/it



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Transforming the buildings of tomorrow

SNUG is a European project that aspires to contribute to a world where buildings seamlessly integrate with the environment by reshaping the construction industry and fostering the transition to Zero-Energy Buildings (ZEBs).

17/10/2025

Why now?



1. Housing Shortage	9
2. Outdating Building Stock	92
3. Climate Crisis	9

Consortium Composition and Collaboration



A. AIDIMME Coordination

- Strategic Leadership
 - > Effective Governance
 - Milestone Delivery
 - > WP Integration

B. Interdisciplinary Team

- 20 partners from 9 countries...universities, SMEs, large industries, municipalities and civil society organizations.
- From prefabrication and digital design tools to urban planning, social innovation and policy advisory.

Our Contribution to the B4P Partnership



- A. Develop holistic solutions in a systemic approach
- B. Demonstrate overall performance in the life-cycle perspective
- C. Demonstrate clean energy transition potential

D. Demonstrate sector decarbonisation pathways



E. Demonstrate sustainable, circular business and value chain



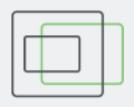
F. Demonstrate affordability and cost-effectiveness



G. Demonstrate no trade-offs on economy, comfort, health, functions, cultural heritage

Our Goals





SUSTAINABLE MATERIALS

Develop sustainable and cost-effective building materials for optimised thermal insulation based on circular economy



ARTIFICIAL INTELLIGENCE

Empower architects and builders to make eco-friendly choices by leveraging the power of artificial intelligence



ENERGY EFFICIENCY

Alleviate energy poverty through enhanced building energy efficiency



DECARBONISATION

Reduce emissions from the construction industry while advancing the decarbonisation of EU's building stock

Our Contribution to the B4P Partnership



B4P KPIs

		KPIs on general objectives	KPIs on specific objectives
GO1	Generate holistic innovation in the built environment towards sustainability	 R&I investment in the sustainable built environment area catalysed by the partnership # innovative products/services/processes linked to sustainability that are catalysed by the partnership and number of jobs created Contribution to the successful deployment of relevant EU instruments and frameworks # training programmes developed for the sustainable built environment 	13. # demonstrated innovative solutions and packages for sustainable construction and renovation 14. # demonstrated innovative solutions for the sustainability of the built environment value chain 15. # innovative services developed and demonstrated 16. # living labs established and involved in the
GO2	Revitalise the sector through decarbonisation and sustainability transition	 Energy savings (MWh) GHG emission reduction (tCO2e) / Pollution reduction Share of reused/recycled materials used in construction (%) Share of buildings designed and constructed based on a life cycle approach. # buildings with on-site RES production # of workers trained on working methods and tools in the fields covering the B4P objectives 	soa 17. Total floor area and # buildings (residential or non-residential) directly involved in the partnership's projects demonstration activities 18. # and type of heritage buildings involved in/enhanced by the partnership's projects, in line with the safeguarding of the historical environment and architectural values of the building stock 19. # building occupants and users involved in the
GO3	Induce lasting behavioural change towards sustainable living	11. Share of the EU population living and working in green neighbourhoods12. # of private and public building owners with sustainable behaviour in their building stock	partnership's projects demonstration activities 20. # people trained across the whole value chain in the deployment of innovative sustainable technologies, systems and methods

Our Outcomes





DIGITAL TOOL ASSISTANT

Offer tailor-made options of thermal insulation materials and layouts, taking into account technical, environmental, and economic inputs



SUSTAINABLE-BY-DESIGN THERMAL INSULATION MATERIALS

Made of locally sourced renewable materials and bio-based components, with a focus on cost-effectiveness



THERMAL INSULATION MATERIALS DATABASE

Catalog both existing and new solutions, providing life cycle assessment details through an open data tool



DIGITAL BUILDING LOGBOOK

Facilitate decision-making and information sharing, connecting building owners, occupants, financial institutions and public authorities

Solutions in Development: a Sneak-Peek





Aerated concrete blocks © CTCON



Renders and plasters with aerogels
© Keey Aerogel



Pureflex wastes as blow-in material © AGITEC



Sustainable self-levelling mortars with PCMs
© Østfold University



Biomass based boards
© AIDIMME/CHIMAR



Al-driven Digital
Tool Assistant
© LURTIS

Our Demos



SNUG's approach will be validated in three real-life buildings, targeting both renovation and new construction, across different climates:



Scandinavian climate
New construction residential building









Continental climate
Renovation residential
heritage building











Mediterranean climate Renovation office building







Tool Assistant Methodology



Compiling digitalised building information

Feeding digital tool assistant

Running digital tool assistant

Analysis of the several options proposed by the digital tool assistant

Selection of one option according to the end-user criteria/priorities

SNUG methodology in five steps

Our Challenges





Use of local biowaste wastes;



Find reliable and reusable open data base to feed our SNUG database (specially some environmental parameters);



Install new solutions (not certified) on housing buildings



Obtain products with a very low environmental impact at a similar cost to current commercial products. Competing with traditional solutions that have been optimised for years is not easy. Investments are required.

Our Potential Synergies





Develop SNUG solutions with other wastes/species;



Include thermal insulations materials from other projects in our database;



Validate our methodology in other kind of demo sites/climatology;



Joint dissemination activities to increase stakeholders' engagement.



Follow us









Thank you!

Juan Carlos Guerrero

Material Technician & Technical Manager AIDIMME



jcguerrero@aidimme.es info@snugproject.eu





Co-funded by the European Union



Coffee break

[15h30 - 16h00]







Co-funded by the European Union



Affordable Housing – state of play and panel discussion

[16h00 - 16h50]

Panel discussion on Affordable Housing

Built**4People**

moderated by:



Isabel PINTO SEPPÄ
VTT Technical Research
Centre of Finland



Anastasiya YURCHYSHYNAECTP



Edit LAKATOSTask Force Housing,
DG ENER, EC



Roman HORVATH
Construction Unit,
DG Grow, EC



Joao GONÇALVES
Housing Europe



Edward WOODS

Bouygues

Construction









Did you know that innovations in housing can decrease prices, keep you safe and warm?

Did you know that innovations in construction can mitigate climate change and decrease European dependency on materials?





Aalborg East.dk







Innovation City Ruhr.de





Project management

Location-specific public relations

Concept development

Work packages

Initial press conference

Technical discussions

Resident survey

Creative Workshop

Personal meetigs with relevant actors in the

Project round tables

Optional work packages

Citizen conference

District concept

Holistic Analysis of the urban quarter

Energy concept



Measures for activation

Technical measures

Initialise implementation

Press conference

Target agreement

Support for application for additional funding (Energetic restoration management)

Presentation of the concept in local communal bodies





Nettelbeckplatz.de

- ☐ Co-development with residents.
- ☐ Architects, engineering contractors involved residents and social and healthcare NGOs.
- >>>> common facilities like workshops, community hall, common urban gardens.

Sociale Energie Sprong.be







Other available tech...







Reuse of construction materials Promoter: IBAVI (Mallorca)



models
Promoter: Fondo
Immobiliare di
Lombardia / FHS

Cooperative housing



Repurposing vacant buildings
Promoter: City of Barcelona



Nature-based solutions Promoter: Régie immobilière de la ville de Paris (RIVP)

Orebro.se

"Homebuilders" initiative: Individuals
 offered work experience with
 contractor Skanska for the renovation
 works.

 Adequate procurement content to enable specific clauses.

Trainees mentored by experienced
 Skanska workers.







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The B4PIC Network: state-of-play and next steps

[16h50 - 17h00]

B4PIC network: why's at a glance









B4PIC framework: aligning with your own strategy



Maturation process

Diversification of innovation actors

Alignment with B4P & NEB values & objectives

Cross-sectoral collaboration

National & European integration

Cross-border collaboration

Facilitation of testing & demonstration



Innovation cluster / hub / platform





18 Emerging B4P Innovation Clusters Built**4People** The B4PIC network is growing Find out where the Emerging B4PICs are located: H Innovation 4 Society (Brussels) Green NET Finland (Helsinki) Archenerg International (Szeged) novabui BUILT CoLAB (Porto) • Novabuild (Nantes) Odéys (Bordeaux) NEB Forum BiH (Sarajevo) E-CODOMH (Schimatari) BUILD:INN (Bilbao) • iCONS (Pamplona) • Galicia Construction Cluster (Santiago de Compostela) • Galician Wood and Design Cluster (Santiago de Compostela) AEICE Cluster Habitat Eficiente (Valladolid) • Association of Balkan Eco-Innovation (Novi Sad) Clust-ER BUILD (Bologna) Habitech (Rovereto) STRESS (Naples)

Venetian Green Building Cluster (Venice)

Get to know all Prospective B4PICs at www.built4people.eu





18 Emerging B4P Innovation Clusters

https://buildinn.eu/

https://www.odeys.fr/

https://www.clustermadeira.com

https://www.archenerg.eu/

https://builtcolab.pt/



Built**4People**





Cluster construction et aménagement durables







https://galiciaconstrue.org/



https://www.novabuild.fr/



https://habitech.it/en/

habitech



Cluster da Madeira e o Deseño de Galicia

http://www.stress-scarl.com/it/

https://acecae.eu/activities/new-europeanbauhaus-forum-bih/



https://gnf.fi/en/



https://balkanecoinnovations.or



https://www.vegbc.org/



https://www.iconscluster.co m/



INNOVATION

https://innovation-4-

society.com/

https://www.aeice.org



www.e-codomh.gr









Prospective B4P Innovation Clusters



Asociación Riojana para la Innovación Constructiva (ARIC) - Spain

<u>Centre de Deploiement de l'Ecotransition dans les Entreprises et les Territoires (CD2E)</u> - France

<u>CivicLabs</u> - Israel

Clúster de la Edificación - Spain

<u>Construction City Cluster</u> - Norway

<u>Digital Innovation Cluster for the Built Environment (DICE)</u> - Germany

<u>Green Synergy Cluster</u> - Bulgaria

Intelligent Solutions for Zero and Positive Energy Buildings – Digital Innovation Hub (IsZEB DIH) - Greece

Keilekwartier – The Netherlands

PropTech Sweden - Sweden

Sustainable Environments Ukraine (SE-UA) - Ukraine

SRIP (Strategic Development and Innovation Partnership) PSiDL (Smart

Buildings and Home with Wood Chain) - Slovenia

<u>Sustainable Infrastructure Cluster</u> - Poland

<u>SYXIS Innovative together</u> - Lithuania

We Build Denmark - Denmark

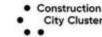
<u>Xylofutur</u> – France





































16 Prospective B4P Innovation Clusters





Find out where the Prospective B4PICs are located:



Green Synergy Cluster (Plovdiv)



• We Build Denmark (Albertslund)



 Centre De Deploiementde L'ecotransition Dans Les Entreprises Et Les Territoires (Loos-En-Gohelle)

• Xylofutur (Bordeaux)



 Digital Innovation Cluster for the Built Environment (Hamburg)



 Intelligent Solutions for Zero and Positive Energy Buildings – Digital Innovation Hub (Thessaloniki)



· CivicLabs (Yokneam)



Syxis vsi (Vilnius)



Keilekwartier (Rotterdam)



Construction City Cluster (Oslo)



Sustainable Infrastructure Cluster (Kraków)



 Strategic Development and Innovation Partnership / Smart Buildings and Home with Wood Chain (Ljubljana)



 Asociación Riojana para la Innovación Constructiva (Logroño)

• Cluster Edificación (Madrid)



PropTech Sweden (Stockholm)



• Sustainable Environments Ukraine (Kyiv)







B4PIC network is growing

21 countries in EU27 and beyond

34 B4PICs

- 18 Emerging B4PICs
- 16 Prospective B4PICs

as of 14 September 2025

<u>Learn about the B4PIC</u> Network here!

Co-funded by the European Union



B4PIC network welcomes new Emerging B4PICs today



- Centre de Deploiement de l'Ecotransition dans les Entreprises et les Territoires (CD2E) -France
- Intelligent Solutions for Zero and Positive Energy Buildings Digital Innovation Hub (IsZEB DIH) Greece

 PropTech
- PropTech Sweden Sweden
- Sustainable Environments Ukraine (SE-UA) Ukraine
- SRIP (Strategic Development and Innovation Partnership) PSiDL (Smart Buildings and Home with Wood Chain) - Slovenia









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B4PIC Charter Signature Ceremony

[17h00 - 17h25]

B4PIC Charter Signature Ceremony



Moderated by



Nerea GÓMEZ

ECTP

Project & Policy Officer



Anastasiya YURCHYSHYNA

ECTP

Project & Policy Officer







CD2E

Center for the deployment of ecotransition in businesses and regions



Loos-en-Gohelle

Dorize REMY

Eco-businesses department manager

Based in Loos-en-Gohelle, Lille and Amiens in the Hauts-de-France region, CD2E is an association that supports companies (SMEs and major groups), local authorities, landlords and project developers in transforming their business models to support the ecological transition.



BâtiCité, 500m² showroom

- Focus: Sustainable building practices.
- Features: An immersive, interactive, and evolving space dedicated to showcasing innovative building techniques and materials.
- Purpose: To educate and train professionals in sustainable construction methods



LumiWatt

- Focus: Renewable energy, particularly solar power.
- Features: A real-world laboratory for testing and demonstrating photovoltaic technologies.
- Purpose: To promote the adoption of solar energy through practical demonstrations and data collection.



Réhafutur

- Focus: Building renovation and energy efficiency.
- Features: A demonstration site for innovative renovation techniques aimed at improving energy performance.
- Purpose: To provide insights and training on energy-efficient renovation practices.













Yogev Katzir- CEO
Rosie Shapiro- VP of Partnerships
Shani Eisenman- VP of Innovation

CivicLabs

CivicLabs is a leading Israeli innovation hub driving cross-border, multi-disciplinary collaboration to accelerate the transition to a climate-neutral, circular, and people-centric built environment. We unite startups, industry leaders, academia, local authorities, and government agencies to co-develop scalable solutions across construction, infrastructure, real estate, and urban systems. **CivicLabs**











Afroditi Zamanidou – EU Research Project Manager

IsZEB-Intelligent Solutions for Zero & Positive Energy Buildings

IsZEB's vision is to support & upgrade the Digital Construction in Europe, while strengthening every company related to the construction industry.

https://iszeb.gr/













PropTech Sweden

PropTech Sweden is a cluster organisation accelerating the digital transformation of the real estate and construction sectors.

Founded in 2019, we bring together the entire built environment ecosystem—connecting ConTech and PropTech companies with property owners, investors, experts, and innovators. As a collaborative arena, we exist to foster meaningful engagement and drive innovation across the industry.

Each year, we host 30–50 events and lead international delegation trips to position Sweden innovation on the global stage. We work closely with investment regions tied to Sweden's three largest cities—Stockholm, Gothenburg, and Malmö—to support export, attract capital, and strengthen strategic partnerships.



SWEDEN

https://proptechsweden.org/









Dmytro Tereshchenko Architect

Sustainable Environments Ukraine (SE-UA)

A cross-sector innovation cluster bridging science, civil society, architecture, and energy systems to transform Ukraine's built environment — from homes to cities — into a climate- positive, inclusive, and human-centered system.















Strategic Development and Innovation Partnership "Smart Buildings and Home with a Wood Chain", SRIP PSiDL

SRIP PSiDL brings together members working in the field of smart and sustainable buildings, building products and components, including wood and wood-based materials, and solutions for smart building management.









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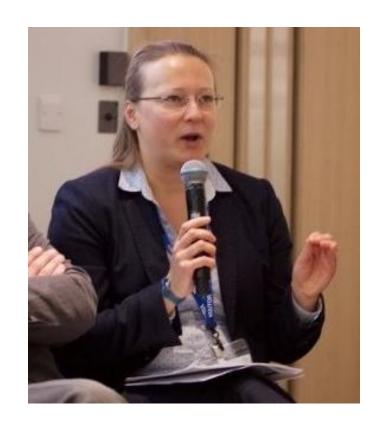


Closing

[17h25 - 17h30]

Closing





Veronika Schröpfer

Project Officer

CINEA

European Commission





Built4People

info@built4people.eu https://built4people.eu





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