



# SUSTAINABLE PLACES **2025**

08-10 October | Milano, Italy

[www.sustainableplaces.eu](http://www.sustainableplaces.eu)

**AGENDA**

# Welcome from the **organisers**



On behalf of R2M Solution, the Comune di Milano, our patron, sponsor and partner organizations, welcome to Milan, a city where cutting-edge research, urban sustainability, and forward-thinking policies converge. Milan inspires us. Architecture, design, culture, fashion, Italian cuisine and **sustainability** with clear areas of excellence which include green buildings, sustainable urban mobility, circular economy leadership, green architecture, and resilient urban transformation making Milan a perfect backdrop for our discussions on shaping a sustainable future. We are delighted to host our event in Milan and to **welcome you to Sustainable Places 2025!**

This 13th edition again achieves continued progress on bringing research to the market coupling 300 scientific delegates to 300 invited stakeholders to bring scientific excellence from European and national R&D to decision makers across value chains to lead market uptake and implement climate policies. Much of the action will happen in auditorium sessions called Thematic Tracks and we look forward to those exchanges pairing key results to market actors. The core of the event remains EU project clustering workshops and paper sessions. This year, over 150 European Projects are assembled across 5 thematic tracks, 29 clustering workshops and 8 paper sessions to disseminate scientific results, exchange best practices and create new opportunities. The resulting technical program is rich with a remarkable lineup of speakers covering the latest advancements in sustainable technologies and the sustainable built environment. We invite you get the most out of the event.

Our exhibitors are waiting for you and your questions. New associations from EU research are present and waiting for your membership and collaboration. Please take project flyers and have a look to the displayed project posters. Each person attending Sustainable Places is here for engagement and to take steps forward. Apart from the work, we will also take some time for enjoyment and to enrich ourselves with a guided tour of Castle Sforzesco and social dinner at Ristorante La Tradizionale. Both will be excellent.

We are grateful to each of patrons, sponsors, partners and delegates, many of whom we look forward to seeing each year. We also acknowledge the tireless effort of workshop leaders, thematic track organizers and most of all the R2M organizational staff members who worked across the year to make this event possible. Please join us in thanking them.

With that, let's get to work. Let's be inspired and afterwards, let's continue to get things done with renewed commitment, energy and ideas.

**Sustainable Places Organizational Committee**

# Table of contents

|                                  |    |
|----------------------------------|----|
| Welcome from the organisers      | 1  |
| Table of Contents                | 2  |
| Supporters of Sustainable Places | 3  |
| Participating projects           | 5  |
| The map                          | 6  |
| Day 1                            | 9  |
| Day 2                            | 11 |
| Day 3                            | 17 |
| Company profiles                 | 22 |

# Supporters of Sustainable Places 2025



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# Supporters of **Sustainable Places 2025**

17

## Exhibitor



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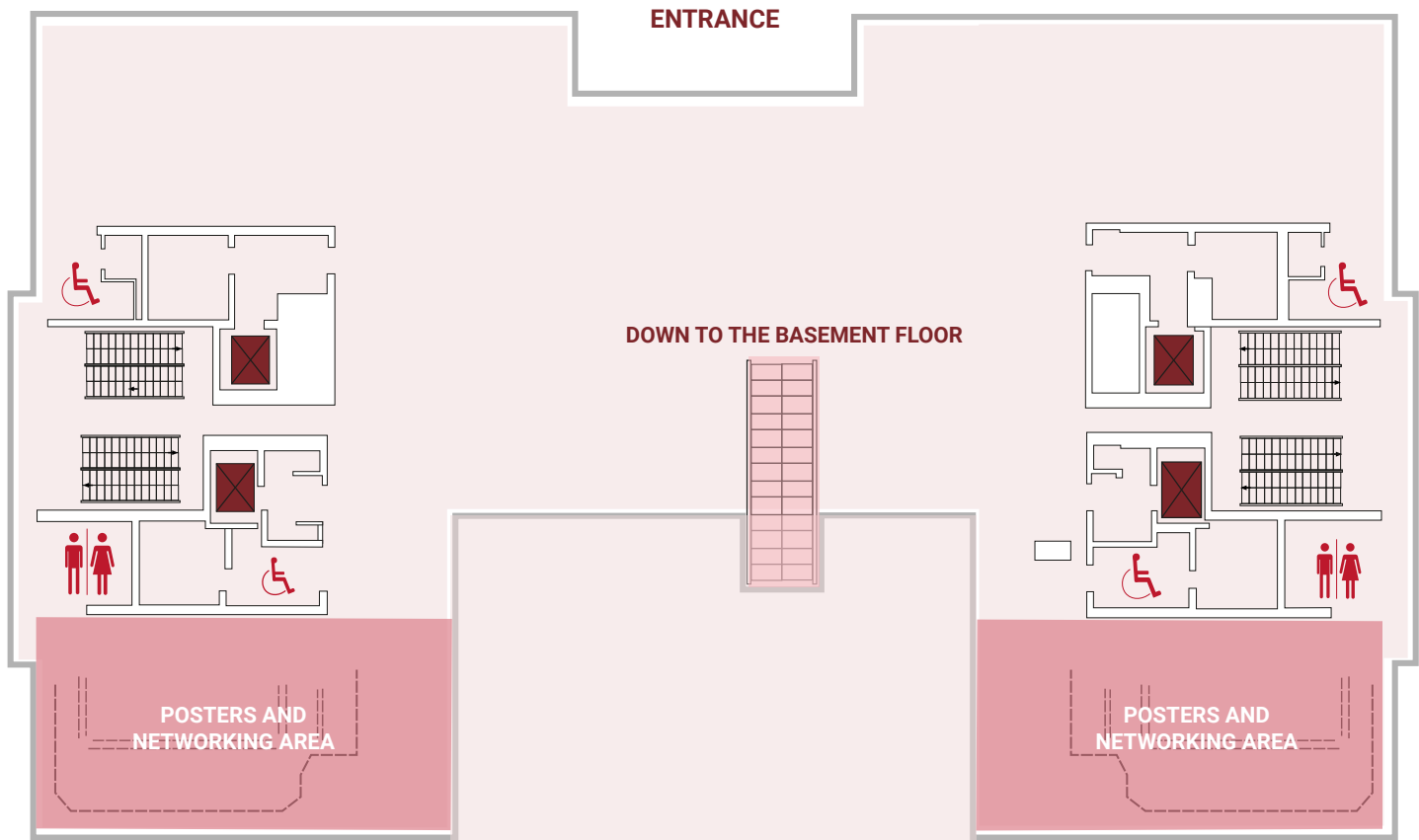


# Participating projects

**SUSTAINABLE  
PLACES 2025**

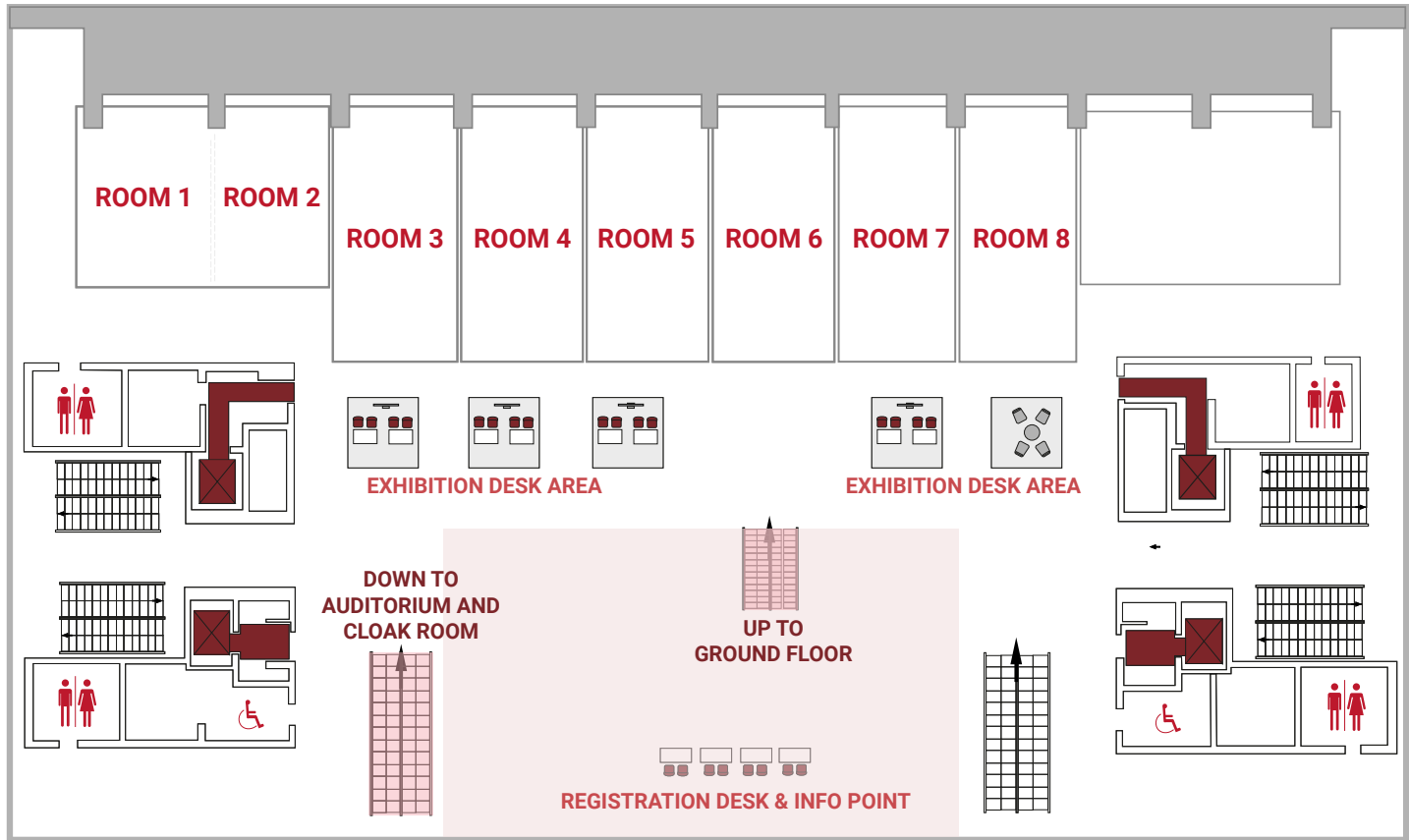


# The map

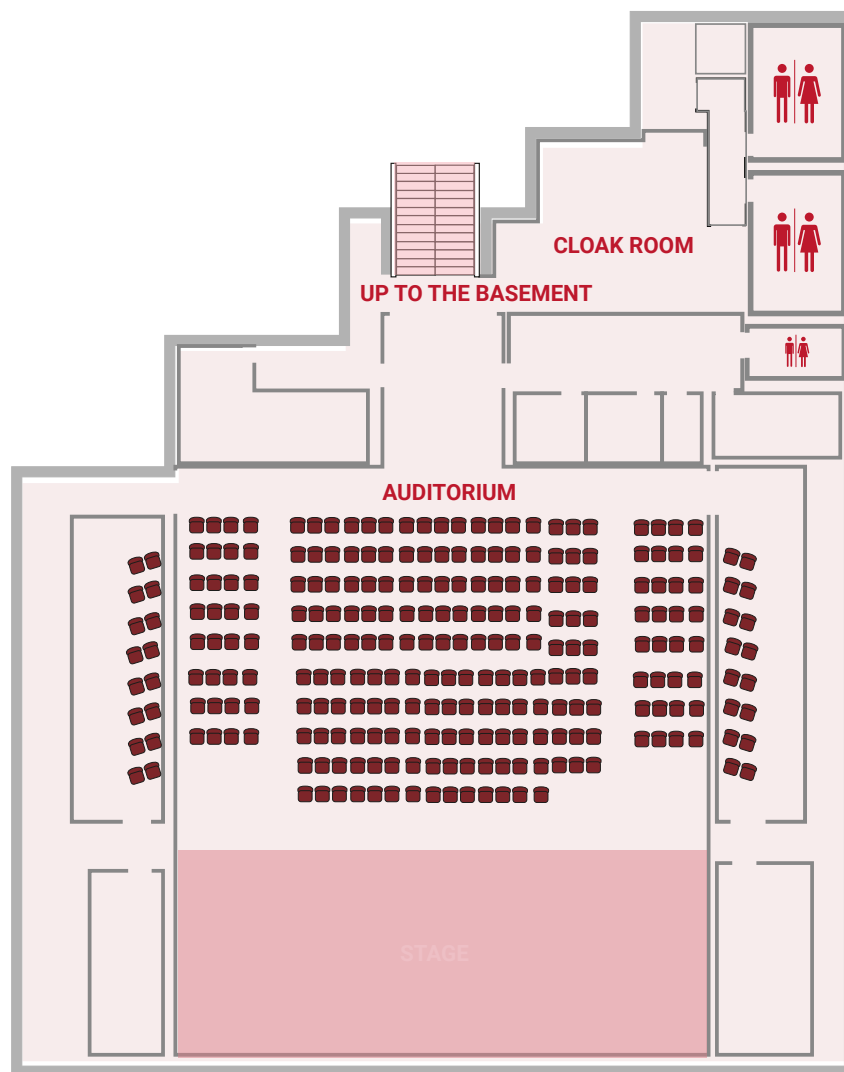


**GROUND FLOOR**

# The map



## GARDEN FLOOR



## AUDITORIUM

# Day 1

Wednesday, 8 October

## AUDITORIUM

### Thematic Track

Construction Innovation Clusters Open Day & Brokerage Event

10:00  
12:30

### Buffet lunch



12:30  
13:30

## OPENING CEREMONY

Explore the SP2025 Opening Ceremony, Thematic Tracks, Workshops and Paper Sessions

13:30  
15:00

### Coffee break



15:00  
15:30

### Thematic Track

Data-Driven Smart, Inclusive & Sustainable Cities

15:30  
17:30

### On-site aperitivo



17:30  
18:30

### Social program

Sforzesco Castle tour



19:30  
21:00

10:00 - 12:30

Thematic Track

## Construction Innovation Clusters Open Day & Brokerage Event

Organised by the Metabuilding Association, this Open Day introduces construction sector stakeholders to open innovation, clustering, and innovation ecosystems in Italy and Europe and how they can get involved and benefit today. The session will include a mini-brokerage event focused on the upcoming Horizon call topics under HORIZON-NEB-2025-01, offering practical guidance on building competitive proposals submissions. Participants will engage in open-format discussions and networking opportunities to explore collaboration to be continued in a networking lunch.

13:30 - 15:00

Opening ceremony

## Explore the SP2025 Opening Ceremony, Thematic Tracks, Workshops and Paper Sessions

Sustainable Places 2025 kicks off! We'll celebrate the opening with a welcome from the Vice-Mayor of Milano, remarks from the organisational committee, remarks from the European Commission, and a series of keynotes from invited speakers.

15:30 - 17:30

Thematic Track

## Data-Driven Smart, Inclusive & Sustainable Cities

Data holds immense potential for our cities yet converting it into actionable intelligence remains a primary challenge.

Organized by the Comune di Milano and the Open Geospatial Consortium, this session deconstructs this issue by first showcasing successful data-driven approaches from Milan, Medina and Ferrara and then by exploring foundational policies and tools, including international standards and the Digital Building Permit. A look into the FOCAL project will demonstrate how climate data can be made actionable for planners. The session culminates in a high-level panel where officials from Italy and Saudi Arabia articulate their pressing needs and vision for sustainable urban management.

The two-hour session will be organized into three parts: 1) Global Smart Cities showcase (Milan, Medina, Ferrara), 2) The Essential Frameworks: Digitalization and standardization in practice and 3) A panel discussion on Overcoming Barriers to Impact.

17:30 - 18:30

Social program

## Aperitivo

Time to network and to enjoy an Italian aperitivo!

19:30 - 21:00

Social program

## Sforzesco Castle tour

For those that sign up, Sustainable Places delegates can enjoy a guided tour of the beautiful Sforzesco Castle. The castle will be open off-hours especially for SP2025. Afterwards, groups would be encouraged to enjoy dinner (unorganised) in the Duomo Area, a short walk from the Castle.

# Day 2

Thursday, 9 October

|               | AUDITORIUM                                          | ROOM 1                                                                                       | ROOM 2                                                                                    | ROOM 3                                                                                                                | ROOM 4                                                                                                 | ROOM 7                                                                             | ONLINE                                                                                              |               |
|---------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------|
| 09:00 – 12:30 | <b>Thematic Track</b>                               | <b>Workshop</b>                                                                              | <b>Workshop</b>                                                                           | <b>Workshop</b>                                                                                                       | <b>Workshop</b>                                                                                        | <b>Workshop</b>                                                                    | <b>Online workshop</b>                                                                              | 09:00 – 10:30 |
|               | Smart Readiness Indicator: Market uptake            | Keep it cool: Clustering workshop on cooling solutions for data centers and other industries | From risk to resilience: Multi-hazard strategies for communities to the built environment | Towards sustainable 6G – part II: Progress and perspectives from R&I projects on greener network futures              | New European Bauhaus: from principles to reality - Lessons learnt on what works, what doesn't, and why | Real time simulation and monitoring of buildings: Hycool-IT Simbots in datacenters | Innovative renewable multi-generation solutions for a decarbonised Europe                           |               |
|               | Coffee break                                        |                                                                                              |                                                                                           |                                                                                                                       |                                                                                                        |                                                                                    |  10:30 – 11:00   |               |
| 11:00 – 12:30 |                                                     |                                                                                              | <b>Workshop</b>                                                                           | <b>Workshop</b>                                                                                                       | <b>Workshop</b>                                                                                        | <b>Workshop</b>                                                                    | <b>Paper session 1</b>                                                                              | 11:00 – 12:30 |
|               |                                                     |                                                                                              | Scaling impact: Collaborative pathways for sustainable building renovation in Europe      | From resilient factories to sustainable places                                                                        | Supporting circular construction through data-driven solutions                                         | Human-in-the-Loop: Next-Gen Approaches to Climate-Neutral Built Environments       | Energy systems, consumer engagement & industry transition                                           |               |
|               | Buffet lunch                                        |                                                                                              |                                                                                           |                                                                                                                       |                                                                                                        |                                                                                    |  12:30 – 14:00   |               |
| 14:00 – 17:30 | <b>Thematic Track</b>                               | <b>Workshop</b>                                                                              | <b>Workshop</b>                                                                           | <b>Workshop</b>                                                                                                       | <b>Workshop</b>                                                                                        | <b>Workshop</b>                                                                    | <b>Online workshop</b>                                                                              | 14:00 – 15:30 |
|               | Data centers, digital twins & AI for sustainability | Decarbonising DHC: Planning investments to decarbonise district heating and cooling networks | Green hydrogen innovation: Concrete steps toward Europe's energy transition               | Pushing on skills to address the current and future challenges: Learning solutions and trends across economic sectors | Neighbourhood regeneration 2.0: Crafting sustainable and inclusive communities                         | Smart readiness in action: Unlocking energy efficiency and comfort in buildings    | Battery ecosystem summit: FULL-MAP clustering event                                                 |               |
|               | Coffee break                                        |                                                                                              |                                                                                           |                                                                                                                       |                                                                                                        |                                                                                    |  15:30 – 16:00 |               |
| 16:00 – 17:30 |                                                     | <b>Workshop</b>                                                                              | <b>Paper session 1</b>                                                                    | <b>Workshop</b>                                                                                                       | <b>Workshop</b>                                                                                        | <b>Workshop</b>                                                                    | <b>Paper session 2</b>                                                                              | 16:00 – 17:30 |
|               |                                                     | Building flexible energy communities: Remuneration, aggregation & market interfaces          | Urban & regional planning                                                                 | Smart Readiness Indicator: Tools to support the uptake of the SRI                                                     | Energy Modelling and Data Analytics for Net-Zero Retrofit                                              | From demonstration to deployment: Bridging the gap to market uptake                | From demonstration to deployment: Bridging the gap to market uptake                                 |               |
|               | Social dinner                                       |                                                                                              |                                                                                           |                                                                                                                       |                                                                                                        |                                                                                    |  19:30 – 22:00 |               |

## AUDITORIUM

## Thematic Track

**Smart Readiness Indicator: Market uptake**

Organised by the Working Group #3 Stakeholders of the SRI Platform and the LIFE projects easySRI, SmartSquare, and SRI2MARKET, this thematic session will share practical insights to support the market uptake of the Smart Readiness Indicator. It will feature contributions and key results from EU-funded projects including EVELIXIA, iEPB, SmarterEPC, tunES, DataWise, WeForming and WILSON, alongside perspectives from industry and policymakers. Sponsored by eu.bac, BrainBox AI, and ARCADIS, this auditorium session will present test results, digitalisation drivers, and next steps for accelerating SRI adoption in smart buildings across Europe. The session will be opened by Pierre-Antoine Vernon of CINEA, who coordinates the oversight of events and projects dealing with the SRI in the LIFE Programme. ENEA will provide an update on the SRI national testing phase in Italy. Two blocks will then proceed from the R&D projects showcasing key results and conclusions of their work. Working Group #3 Stakeholders of the SRI Platform will then moderate a panel discussion with experts from industry who will react to the sessions and provide their insights.

Building professionals and asset managers working in smart buildings are warmly invited to this session.

## ROOM 1

## Workshop

**Keep it cool: Clustering workshop on cooling solutions for data centers and other industries**

Organised by the Hycool-IT, PARMENIDES, 2cool2waste cluster, Heatwise, HYSTORE, Push2Heat, Smart Energy Cluster, RE-WITCH, Senergy nets, Susheat, THUNDER, SEEDS, and MODERATOR projects, this workshop will showcase cutting-edge cooling solutions for data centres and industrial processes. It will focus on common challenges, lessons learned, and opportunities for cross-project collaboration to advance net-zero cooling technologies. Participants will co-develop actionable strategies and roadmaps to accelerate innovation and deployment across the sector.

## ROOM 2

## Workshop

**From risk to resilience: Multi-hazard strategies for communities to the built environment**

Organised by the MULTICLIMACT, CLIMRES, MULTICARE, Minority Report, and RETIME projects, this workshop will showcase integrated strategies to enhance resilience in the built environment against multi-hazard risks. It will present cutting-edge tools such as digital twins, AI-driven modelling, and co-design frameworks, while fostering collaboration across technical and social innovation fronts. Through participatory activities, the session aims to map hazards, connect assets, and co-develop actionable pathways for safer and more adaptive communities.

## ROOM 3

## Workshop

**Towards sustainable 6G – part II: Progress and perspectives from R&I projects on greener network futures**

Organised by the 6G-TWIN, 6G4SOCIETY, CENTRIC, 6Green, Coalesce, and IN2CAM projects, this workshop will advance the discussion on sustainable 6G by showcasing recent innovations in energy-efficient architectures, renewable integration, and green hardware. It will feature new projects under the SNS JU exploring life cycle assessment and climate-aligned digital infrastructure. The session will promote cross-project collaboration to develop shared strategies for reducing the environmental impact of next-generation wireless networks.

## ROOM 4

## Workshop

**New European Bauhaus: from principles to reality – Lessons learnt on what works, what doesn't, and why**

Organised by the Star Track and NEB Junction projects, this workshop will explore how EU-funded initiatives are putting New European Bauhaus (NEB) values into practice through tools for co-creation, digital design, reuse, and community empowerment. Featuring approaches from projects such as REGEN, drOp, INGUMA, AEGIR, and GINNGER, the session will reflect on successes and challenges in translating NEB principles into real-world innovation. Participants will help shape a shared roadmap for embedding sustainability, beauty, and inclusion in the built environment.

## Workshop

**Real time simulation and monitoring of buildings: Hycool-IT Simbots in datacenters**

Organised by the Hycool-IT project and the Building Digital Twin Association (BDTA), this workshop will present the SIMBOT concept-standardised, simulation-ready components designed to support real-time building control and digital twin functionality. It will showcase pilot results from a data centre case study and compare methodologies across different simulation tools. The session invites discussion with software developers to refine SIMBOT standards and accelerate adoption of functional digital twins in real-world buildings.

## Workshop

**Innovative renewable multi-generation solutions for a decarbonised Europe**

Organised by the REGEN-BY-2 and nGEL projects, this workshop will explore next-generation renewable multi-generation technologies for decarbonising power, heating, and cooling. It will present innovations in two-phase fluid machines and flexible geothermal trigeneration systems, highlighting their potential for efficiency, grid stability, and sector coupling. The session will foster cross-sector dialogue on accelerating deployment through technical synergies, market uptake strategies, and supportive policy frameworks.

11:00 - 12:30

## Workshop

**Scaling impact: Collaborative pathways for sustainable building renovation in Europe**

Organised by the CLR, MULTICARE, AEGIR, IAQS, REHOUSE, and SUPERSHINE projects, this workshop will present diverse, cross-sectoral approaches to sustainable and inclusive renovation. It will highlight solutions ranging from plug-and-play façades and bio-based materials to air quality education, social housing financing, and citizen-led energy communities. Designed as an interactive session, it will foster dialogue and strategy co-creation to accelerate renovation impact across Europe.

## Workshop

**From resilient factories to sustainable places**

Organised by the RaRe2, RESTORE, MULTIMOLD, openZDM, and Platform-ZERO projects, this workshop will explore how Industry 5.0 is reshaping manufacturing through technology, circularity, and human-centred design. It will showcase practical innovations from zero-defect platforms to sustainable injection moulding. The session encourages collaboration between research and industry to align resilient production systems with societal and environmental goals.

## Workshop

**Supporting circular construction through data-driven solutions**

Organised by the DATAWISE, INBLANC, WILSON, DeCO2, and RECONMATIC projects, this workshop will showcase data-driven innovations for digitalised, circular, and decarbonised construction and renovation. It will present tools for lifecycle analytics, decentralised data management, smart renovation, and waste reduction, all designed for real-world interoperability. The session aims to foster cross-sector collaboration and identify pathways for scaling systemic solutions across Europe's built environment.

## Workshop

**Human-in-the-Loop: Next-Gen Approaches to Climate-Neutral Built Environments**

Organised by the Crete Valley, DEDALUS, EnerTEF, and ENPOWER projects under the Smart Energy Cluster, this workshop explores how human-in-the-loop digitalisation can align technical innovation with citizen empowerment. It will present real-world experiences with co-design, digital twins, AI-enabled flexibility, and participatory energy tools. The interactive session will engage participants in mapping barriers and enablers for scaling citizen-centred energy solutions across Europe.

Online paper session 1

### Energy systems, consumer engagement & industry transition

- "Is there a "European model" for agricultural anaerobic digestion?" *Philippe Hamman, University of Strasbourg, SAGE research unit*
- "Engaging consumers in flexibility services with perceived value" *Carmen Valor, Universidad Pontificia Comillas (BE FLEXIBLE)*
- "PESTLE analysis to determine energy efficiency levers of change of energy intensive industries in Ireland, Spain and Poland" *Luciano De Tommasi, International Energy Research Center, Tyndall National Institute (AUDIT-PLUS)*
- "Identifying Skill Gaps for Home Renovation One-Stop-Shops: Insights from European Stakeholder Engagement" *Ruchi Agrawal, International Energy Research Centre (BUSHROSSs)*

14:00 - 17:30

Thematic Track

### Data centers, digital twins & AI for sustainability

This thematic session brings together researchers, technology providers, and industry stakeholders to explore how data centers, digital twins, and artificial intelligence can accelerate sustainability in the built environment. From energy optimization to urban resilience and decarbonization, the event provides a unique platform for knowledge exchange, cross-sector collaboration, and the dissemination of digital solutions in support of the green and digital transition.

Co-organized with the Italian PropTech Network and with contributions from European research projects and market leaders, the session will examine how new technologies can enhance energy efficiency, resilience, and the environmental performance of digital infrastructures, a domain that is becoming increasingly strategic for Europe's competitiveness.

Online workshop

### Battery ecosystem summit: FULL-MAP clustering event

Organised by the FULL-MAP project in collaboration with BATT4EU and BATTERY 2030+ initiatives, this workshop will strengthen cross-project collaboration within Europe's battery research ecosystem. It will feature presentations and a roundtable discussion to identify synergies, avoid duplication, and define joint actions in areas such as data standards, advanced characterisation, and circular economy. The session aims to build a cohesive network and co-develop a roadmap for future cooperation and impact.

14:00 - 15:30

Workshop

### Decarbonising DHC: Planning investments to decarbonise district heating and cooling networks

Organised by the DHC-SwEEtch, ENABLEDHC, GREEN HEAT LIFE, Low2HighDH, and Support DHC projects, this workshop will explore strategies for decarbonising existing district heating and cooling networks in line with the Energy Efficiency Directive. It will feature case studies and investment approaches to meet both short- and long-term efficiency criteria. A roundtable will address disconnection trends, regulatory challenges, and practical lessons from DHC operators and consultants.

Workshop

### Green hydrogen innovation: Concrete steps toward Europe's energy transition

Organised by the LuxHyVal, H2tALENT, CONVEY, TRIERES, and ECHO-WAVE projects, this workshop will explore real-world hydrogen valleys and their role in Europe's clean energy transition. It will highlight approaches to renewable hydrogen integration, workforce development, regional deployment, and industrial applications. The session invites diverse stakeholders to exchange best practices, address challenges, and identify collaboration opportunities to scale hydrogen-based solutions across Europe.

## Workshop

**Pushing on skills to address the current and future challenges: Learning solutions and trends across economic sectors**

Organised by a network of EU-funded projects and initiatives, this workshop will address Europe's urgent need for upskilling and reskilling in support of the green and digital transitions. It will present innovative training methodologies, including hybrid and VR-based environments, focused on the construction, renovation, and energy sectors. Through panel discussions and live demonstrations, the session will highlight practical solutions for skills assessment, training design, and labour market alignment, welcoming a broad audience from education, industry, and employment ecosystems.

## Workshop

**Neighbourhood regeneration 2.0: Crafting sustainable and inclusive communities**

Organised by the REGEN, INHERIT, SNUG, REHOUSE, GINNGER, SINCERE, RENplusHOMES, OPEN LAB and EVELIXIA projects, this workshop will advance the clustering efforts of Built4People initiatives by aligning innovation actions with neighbourhood-scale sustainability and regeneration goals. It will showcase how diverse projects contribute to EU policy targets and support the transition from building-level to community-level impact. The session will co-design a 2025–2026 collaboration roadmap to strengthen synergies and scale up inclusive, low-carbon solutions.

## Workshop

**Smart readiness in action: Unlocking energy efficiency and comfort in buildings**

Organised by the SMARTeESTORY, BuildON, CHRONICLE, REHOUSE, INBUILT, and MULTICARE projects, this workshop will explore how the Smart Readiness Indicator (SRI) is being applied in practice to advance smart, energy-efficient, and resilient buildings. It will present digital tools, real-world demonstrations, and strategies that link smart capabilities to occupant comfort, cost-effective upgrades, and adaptive building design. Through interactive discussion, the session will highlight how the SRI can serve as a driver for sustainable renovation and user-centred innovation.

16:00 – 17:30

## Workshop

**Building flexible energy communities: Remuneration, aggregation & market interfaces**

Organised by the STUNNED, MASTERPIECE, FEDECOM, NEON, E-BUSCO, InterPED, and INDEPENDENT projects, this workshop will showcase tested solutions for managing flexibility in energy communities. It will explore strategies to optimise distributed energy assets, design fair governance and contractual models, and deploy enabling digital and physical infrastructure. The session provides concrete insights into how flexibility can be effectively activated and managed across diverse community settings.

## Paper session 1

**Urban & regional planning**

- "Data-Driven Urban Design for Climate Transition: parametric design as urban decision support: tools for climate-responsive planning." Javier Alfonso Bono Cremades, *Universitat Politècnica de València (IN-PLAN)*
- "Innovation and Creative Districts as Sustainability Testbeds" Emils Rode, *Riga Technical University*
- "Social returns on investment and hidden costs of urban green areas" Claudio Petucco, *Luxembourg Institute of Science and Technology (NBenefit\$)*
- "Lifecycle-based infrastructure planning in Georgia: Modelling efficiency in road maintenance and rehabilitation" Davit Keshelava, *ISET – Tbilisi State University*
- "Conceptualisation of Neighbourhood Regeneration Office as an innovative model for stimulating participatory urban regeneration" Silvia Urra Uriarte, *Tecnalia*; Lidia Gryszykiewicz, *The Impact Lab*; Coralie Vella *R2M Solution France*; Sylvain Kubicki, *LIST (REGEN)*

## Workshop

**Smart Readiness Indicator: Tools to support the uptake of the SRI**

Organised by the SRI2MARKET, SmartSquare, EVELIXIA, iEPB, EasySRI, and SmarterEPC projects, this workshop will present a suite of tools designed to support the practical uptake and implementation of the Smart Readiness Indicator (SRI). It will showcase interactive platforms, assessment tools, training resources, and audit procedures that bridge policy, user engagement, and technical integration. Through live demos and participant feedback, the session will highlight how digital tools and learning solutions can accelerate SRI adoption across Europe's building sector.

## Workshop

**Energy Modelling and Data Analytics for Net-Zero Retrofit**

Organised by IES, this session will explore how energy modelling, dynamic design tools, and data analytics can support high-performance building retrofits. With 80% of the 2050 building stock already standing, Giulia Barbano (IES) will present real case studies to show how building owners and AEC professionals can make informed decisions across energy, carbon, comfort, and cost. Attendees will gain actionable insights into optimising retrofit strategies from design to post-implementation monitoring.

## Workshop

**From demonstration to deployment: Bridging the gap to market uptake**

Organised by the DEDALUS, SUPERSHINE, InEEXs, RENplusHOMES, and SIRCULAR projects, this workshop focuses on real-world replication challenges and enablers for integrated renovation solutions at building and neighbourhood scales. Through case studies from EU-funded projects, it examines how technical innovations (digital tools, circular construction, and efficiency upgrades) are translated from pilot demonstrations to market deployment.

## Online paper session 2

**Inclusive, low-carbon & digital built environment**

- "BIM for Digital Twin: the case study of Trento" *Silvia Ricciuti, FBK (INCUBE)*
- "INDICATE LIFE: Methodological development for Whole Life Carbon assessment of the Italian building stock" *Irene Mazzei, University of Bergamo (INDICATE LIFE)*
- "How Can We Build an Accessible and Inclusive Built Environment? Part 1: Introduction to the Universal Accessibility Suite Initiative – the AccesS Suite" *Panagiota Chatzipanagiotidou, CERTH – Centre for Research and Technology–Hellas (AccesS)*
- "How Can We Build an Accessible and Inclusive Built Environment? Part 2: The AccesS User-Centered Design Approach" *Mattia Forni, LAMA Impuresa Sociale (AccesS)*

19:30 - 22:00

**Social dinner***(Business casual)***La Tradizionale***V. Ambrogio Bergognone da Fossano, 16, 20144 Milano*

This restaurant has an outdoor terrace area and space for networking (pre-dinner drinks or discussion at own expense).

# Day 3

Friday, 10 October 2025

|                                                                                                                          | AUDITORIUM                                                                                                                 | ROOM 1                                                                                                   | ROOM 2                                                                                                                                                                   | ROOM 3                                                                                           | ROOM 4                                                                                                                        | ROOM 5                                                                                                                                                   |               |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 09:00 – 12:30                                                                                                            | <b>Thematic Track</b><br><br>Sustainable Urban Design: Positive Energy Districts and Flexible Energy Communities           | <b>Workshop</b><br><br>From waste to worth: Circular pathways for decarbonising the built environment    | <b>Workshop</b><br><br>Data and tools for decarbonisation of the European building stock                                                                                 | <b>Workshop</b><br><br>Building renovation in practice: Challenges, solutions, and collaboration | <b>Paper session 2</b><br><br>Indoor environmental quality & renovation impact                                                | <b>Workshop</b><br><br>Envelop material portfolio for zero energy buildings and renovation: Example of the EASI ZERO project                             | 09:00 – 10:30 |
|                                                                                                                          | <b>Coffee break</b><br> 10:30 – 11:00   |                                                                                                          |                                                                                                                                                                          |                                                                                                  |                                                                                                                               |                                                                                                                                                          |               |
|                                                                                                                          |                                                                                                                            | <b>Workshop</b><br><br>Re-valuing resources: Cross-sectoral circular solutions for a sustainable future  | <b>Paper session 3</b><br><br>Climate & policy strategies                                                                                                                | <b>Paper session 4</b><br><br>Sustainable materials & circular innovation                        | <b>Paper session 5</b><br><br>Building digitalisation & smart readiness                                                       | <b>Workshop</b><br><br>Step-WISE training                                                                                                                | 11:00 – 12:30 |
| <b>Buffet lunch</b><br> 12:30 – 14:00 |                                                                                                                            |                                                                                                          |                                                                                                                                                                          |                                                                                                  |                                                                                                                               |                                                                                                                                                          |               |
| 14:00 – 17:30                                                                                                            | <b>Thematic Track</b><br><br>Clean Energy Transition: Capacity Building & Innovative Finance                               | <b>Workshop</b><br><br>Energy islands for a sustainable future: Insights from European research projects | <b>Workshop</b><br><br>Smart Readiness Indicator for energy flexibility and climate resilience in action: Insights and lessons from the COLLECTiEF project across Europe | <b>Paper session 6</b><br><br>Lifecycle, performance & flexibility tools                         | <b>Workshop</b><br><br>Strategic citizen engagement and impact in positive energy districts: Insights from EU-funded projects | <b>Workshop</b><br><br>Data-driven energy transition: Digital twins, system resilience, and decision support for planning the energy systems of tomorrow | 14:00 – 15:30 |
|                                                                                                                          | <b>Coffee break</b><br> 15:30 – 16:00 |                                                                                                          |                                                                                                                                                                          |                                                                                                  |                                                                                                                               |                                                                                                                                                          |               |
|                                                                                                                          | <b>Closing Remarks</b>                                                                                                     |                                                                                                          |                                                                                                                                                                          |                                                                                                  |                                                                                                                               |                                                                                                                                                          |               |

09:00 - 12:30

Day 3  
Friday, 10 October

AUDITORIUM

*Thematic Track*

### **Sustainable Urban Design: Positive Energy Districts and Flexible Energy Communities**

Organized by stakeholders active in urban energy transition and community-led innovation, this 4-hour session will explore how PEDs and flexible energy communities can become the cornerstone of sustainable urban design, driving decarbonization, resilience, and citizen empowerment. The session also includes thought leaders and case studies on deep renovation, nature-based solutions and accessibility which collectively respond to the principles of the New European Bauhaus and bring the conversation from energy to living.

The session is organized by R2M, PENTA-C and CERES with contributions from the LIFE-BECKON, Masterpiece, FEDECOM, STUNNED, Giga Regio Factory and Reno Tides EU projects. The session will be opened with an inspirational keynote from Arch. Anna Gagliardi and include contributions from track sponsors IES, Greenpass and Access4you.

Municipalities, Local Regional Authorities and Urban Planners are warmly invited to this session.

09:00 - 10:30

ROOM 1

*Workshop*

### **From waste to worth: Circular pathways for decarbonising the built environment**

Organised by the SIRCULAR, DeCO2, INBUILT, and RECONSTRUCT projects, this workshop will explore how circular construction, urban mining, and sustainable deconstruction contribute to building decarbonisation. It will showcase real-world pilots, recyclable materials, and digital tools that support cradle-to-cradle design and stakeholder engagement. Participants will engage in breakout discussions to co-develop strategies for accelerating a just and circular transition in the built environment.

ROOM 2

*Workshop*

### **Data and tools for decarbonisation of the European building stock**

Organised by the Demo-BLog, OBSERVE, openBEP4EU, BRP, and LEGOFIT projects, this workshop will focus on digital building logbooks and data frameworks that enable smarter renovation decisions and next-generation EPC schemes. It will present project experiences in developing national EPB databases, calculation engines, and renovation passports. The session aims to identify common challenges and foster collaboration to support data-driven implementation of the EPBD.

ROOM 3

*Workshop*

### **Building renovation in practice: Challenges, solutions, and collaboration**

Organised by the OneClickRENO, iEPB, FACILITA, BUILD UP Speed, and BARRIO projects, this workshop will explore practical solutions for implementing the EPBD 2024 and overcoming key barriers to building renovation. It will present tools such as Building Renovation Passports, harmonised EPC/SRI models, One-Stop-Shops, and industrialised renovation methods. The session will highlight scalable strategies to support property owners, public authorities, and renovation professionals in delivering a just and efficient renovation wave.

ROOM 4

*Paper session 2*

### **Indoor environmental quality & renovation impact**

- "Indoor Environmental Quality as a Performance Indicator of Sustainable Construction: Case Study of a LEED Standard Office Building in Nigeria" Sonter John Chen, Sonjonchen Nigeria Ltd
- "How Social Dimensions can inform Energy Tool Development - A qualitative Analysis of Tools for Energy Communities" Julia Blanke, University College Cork; Adam Hearn, University of Basel (ENPOWER)
- "From Rural Success to Urban Challenges: Critically Evaluating the Legal Framework for Energy Prosumption in Austria from a socio-spatial perspective" Katrin Burgstaller, Energieinstitut an der JKU Linz (UrbEnPro)
- "Enhancing citizen energy resilience in Finland" Leena Eerolainen, Mia Ala-Juusela, VTT (REPower-CEST)
- "Citizen-led renovation – Niche market or the solution for the massification of building renovation." Juliana Nadalutti, FEDARENE

## Workshop

**Envelop material portfolio for zero energy buildings and renovation: Example of the EASI ZERO project**

Organised by the EASI ZERO project, this workshop will present a holistic approach to deep renovation through an advanced portfolio of easy-to-install, low-carbon envelope components. It will showcase bio-sourced insulation, lightweight frames, and integrated renewable energy solutions designed to drastically cut energy use and emissions. Drawing from lab and wall-scale testing, modelling, and certification challenges, the session will highlight how these innovations can accelerate building retrofits and help meet the EU's 2030 and 2050 climate targets.

11:00 - 12:30

## Workshop

**Re-valuing resources: Cross-sectoral circular solutions for a sustainable future**

Organised by the ReBoat, THESEUS, DeremCo, Wood2Wood, YouRban, SUM4Re, ICONIC, and STORCITO projects, this workshop will explore how circular economy solutions can accelerate Europe's transition toward decarbonisation and climate resilience. It will present real-world demonstrations from islands, cities, and regions focused on material reuse, upcycling, digital tools, and citizen engagement. The session aims to share replicable approaches, identify common enablers, and advance investment-ready models for scaling circular impact.

## Paper session 3

**Climate & policy strategies**

- "Strategies for climate adaptation and mitigation: Results and lessons from the Horizon Europe DISTENDER project" Roberto San Jose, UPM (DISTENDER)
- "Bridging Gaps in Energy Efficiency Policy: Aligning Stakeholder Needs with Practical Resources" Eirini Vasilakou, TEESLab – University of Piraeus (ENSMOV Plus)
- "The Innovative Platform for Validation and Exchange of Biodiversity Credits" Caterina Massa, 3Bee Srl (CONSCIENCE)
- "Empowering Communities for Resilient Futures: Bottom-Up Approaches to Sustainable Development in Croatia" Alice Borsari, Eurac Research

## Paper session 4

**Sustainable materials & circular innovation**

- "Advancing Sustainable and Energy-Efficient Buildings Through Circular Material Innovation at Optimal Cost" Miriam Hernández Pérez, Carlos Rodriguez, CTCON (SNUG)
- "Circular Building Passport to Support Sustainable and Positive Energy Homes" Giulia De Aloysio, Certimac (LEGOFIT)
- "INPERSO. INdustrialised and PErsonalised Renovation for Sustainable sOcieties" José Luis Alapont Ramón, Universitat Politècnica de València (INPERSO)
- "Mapping Sustainability in Construction Material Supply Chains" Constantina-Dia Andreouli, MIRTEC (INPERSO)
- "3D Printing System for Façade Restoration" Juan Gabriel Secondo Maglia, Universitat Politècnica de València (INPERSO)

## Paper session 5

**Building digitalisation & smart readiness**

- "AI-Driven Biophilic Design: Enhancing Wellbeing and Inspiration in Intelligent Buildings" Yangang Xing, Nottingham Trent University
- "Bridging the Gap Between the Smart Readiness Indicator and Its Impact: Simulation-Based Insights for Buildings' Smart Electricity Management" Dimitris Fotopoulos, University of Piraeus (SRI2MARKET)
- "Physics-Based Digital Twin Comfort Insights for Airport Terminal Operations" Giulia Barbano, Integrated Environmental Solutions (STARGATE)
- "TwinAIR: Improving Indoor Air Quality in the Built Environment" Marina Melero, Integrated Environmental Solutions (TwinAIR)

## Workshop

**Step-WISE training**

In this training session, Alessandro Piccinini, Technical Manager of R2M's Energy Division, will present the technical use of advanced digital tools, specifically designed to support municipalities and their consultants in the energy analysis of a SECAP. Through the presentation of best practices applied to municipal decarbonisation plans and practical examples, participants will learn how to collect and structure local energy data, develop a baseline model by importing available urban data, and simulate future decarbonisation scenarios using the iES Suite tools, currently exploited in the European Step-WISE Project to support municipalities.

14:00 - 17:30

## Thematic Track

**Clean Energy Transition: Capacity Building & Innovative Finance**

This closing session of the Sustainable Places conference, "Clean Energy Transition: Capacity Building & Innovative Finance", brings together leading experts and initiatives to highlight the pivotal role of finance, capacity building, and innovative tools in accelerating Europe's energy transition by bringing value chains together to get projects done.

The session is organized by R2M Solution and the European Mortgage Foundation – European Covered Bond Council (EMF-ECBC) with contributions from projects co-financed within the LIFE Clean Energy Transition Programme which supports the delivery of EU policies in the field of sustainable energy (Green Deal, Energy Union, Decarbonization Strategy 2050). These projects are Step-WISE, Scaling Super-Heero, DeliverEEM, Plan4CET and OwnYourSecap. The session will be opened by an inspirational keynote by Cristiana Fragola, Head of ESG & Sustainability Solutions at CBRE and feature three blocks: 1) Clean Energy Transition Planning, 2) Innovative Finance Top Down: Energy Efficiency Mortgages Initiative and 3) Innovative Financing Bottom Up: Crowdfunding via Super-Heero. The session is sponsored by IES and Harley Dickinson.

Regional authorities, municipal planners, and asset managers for both tertiary and residential buildings are warmly invited to this session.

14:00 - 15:30

## Workshop

**Energy islands for a sustainable future: Insights from European research projects**

Organised by the NESOI, NESOI+, Masterpiece, Sinnogenes, and ISLET projects, this workshop will highlight the role of islands as pioneers in Europe's energy transition. It will showcase practical solutions for clean energy deployment, citizen-led initiatives, and resilient systems tailored to insular challenges. With contributions from the BRIDGE initiative, the session will foster dialogue on replication, policy alignment, and community empowerment, positioning islands as scalable models for a sustainable future.

## Workshop

**Smart Readiness Indicator for energy flexibility and climate resilience in action: Insights and lessons from the COLLECTiEF project across Europe**

Organised by the COLLECTiEF project, this workshop will explore how the Smart Readiness Indicator (SRI) and performance metrics for flexibility, comfort, and resilience can drive building upgrades across Europe. Drawing on pilot sites in Italy, Cyprus, and Norway, it will present tested tools, live demos, and business models that raise building smartness and energy efficiency. The session invites interactive participation and aims to deliver actionable methodologies, replication strategies, and cross-project collaboration for smarter, climate-resilient buildings.

## Paper session 6

**Lifecycle, performance & flexibility tool**

- "Bridging Physical and Virtual Testing: A Semi-Virtual Bench for Assessing Dynamic Façade Performance" Antoine Dugué, NOBATEK; Calin Boje, LIST (METABUILDING LABS)
- "Advancing Building Lifecycle Management: The Data-Centric Digital Building Logbook of the BuildON Project" Davide Madeddu, One Team S.p.A. (BuildON)
- "Value proposition for enabling collaborative energy flexibility with smart energy management agents" Mia Ala-Juusela, VTT (CIASEM)

## Workshop

**Strategic citizen engagement and impact in positive energy districts: Insights from EU-funded projects**

Organised by the InterPED, TIPS4PED, ARV, COMMUNITAS, PEDvolution, Citizen-led Renovation, NEUTRALPATH, ASCEND, and LEGOFIT projects, this workshop will explore how citizen engagement drives the success of Positive Energy Districts (PEDs). It will showcase co-creation methods, digital tools, and participatory strategies that empower communities to shape inclusive, resilient, and energy-positive neighbourhoods. The session highlights that Europe's energy transition is as much a societal transformation as a technological one.

## Workshop

**Data-driven energy transition: Digital twins, system resilience, and decision support for planning the energy systems of tomorrow**

Organised by the MELIXIA and D2ET projects, this workshop will explore how digital twins and data-driven platforms can enhance energy system planning, resilience, and coordination across carriers. It will present tools that integrate real-time data with predictive modelling to support infrastructure decisions, optimise flexibility, and improve situational awareness. The session aims to build a shared understanding of how digitalisation is reshaping planning processes and guiding Europe's energy transition.

17:35 - 17:45

Closing Remarks



## INTEGRATED ENVIRONMENTAL SOLUTIONS

IES is a global climate tech company delivering innovative software solutions and consultancy services to decarbonise the built environment. Over the last 30 years, we have built a solid reputation as the leading global innovator in integrated performance-based building analysis through our flagship Virtual Environment (VE) software and expanded range of digital twin tools. We are also home to the largest building physics analytics team in the world.

Supporting energy-efficient, healthy and cost-effective built environments, IES technology provides those involved in the design, retrofit and operation of buildings with the information needed to make smarter, more sustainable decisions with confidence.

Discover more about them: <https://www.iesve.com>

## BRAINBOX AI

### BRAINBOX AI

Transform your building management with BrainBox AI's cutting-edge technology. Utilizing deep learning, cloud computing, and custom algorithms, our solution connects to your existing HVAC system to autonomously reduce emissions and energy costs. By analyzing weather forecasts, utility data, and grid emissions, our AI optimizes HVAC operations based on sophisticated thermal predictions. Turn your data into actionable insights, ensuring your HVAC runs only when needed. Reduce costs, cut emissions, and enhance comfort with BrainBox AI.

Discover more about them: <https://brainboxai.com/en>



### SYXIS

Headquartered in Vilnius, Lithuania, Syxis is a European Innovation Hub driving systemic transformation through digital, circular and collaborative innovation. With a network of 4000+ contacts and long-term partnerships, we co-create concepts, incubate market-relevant

contacts and long-term partnerships, we co-create concepts, incubate market-relevant solutions and bring innovation to reality. We operate in cross-sectorial contexts, facilitating EU funding applications, writing proposals and providing digital tools, platforms and methodologies (DPP, Data Spaces, Digital Twins, IoT) that support data sharing, worker and citizen engagement, upskilling and knowledge exchange. Active in ECTP and ETP, B4PIC perspective partner and host of the AI4manufacturing community, Syxis positions itself as an enabler of cooperation and innovation connecting SMEs, organizations and research centers across Europe.

Discover more about them: <https://syxis.eu>



## OPEN GEOSPATIAL CONSORTIUM

OGC is the world's leading non-profit membership community dedicated to advancing mapping data and technology interoperability. For over 30 years, OGC has united governments, businesses, and academia to solve critical challenges through collaboration and open standards. By fostering innovation and cooperation, OGC helps address security and societal issues while unlocking economic value.

Discover more about them: <https://www.ogc.org>



## THE EUROPEAN BUILDING AUTOMATION AND CONTROLS ASSOCIATION

Eu.bac works towards a future where everyone lives and works in buildings that are smart, decarbonised, and efficient. Representing Europe's leading manufacturers of building automation and controls, we provide expertise to support EU and national stakeholders in decarbonising the building stock, accelerating digital transformation, empowering occupants and owners, and tackling energy poverty.

Aligned with Sustainable Places' focus on sustainable construction, renovation, renewable technologies, and data-driven urban transitions, we contribute to policy, standardisation, and large-scale deployment of proven solutions. Our mission is to drive Europe's green and digital transition and make smart, efficient buildings the norm.

Discover more about them: <https://eubac.org>



## EDERA

EDERA is an innovative social enterprise that is rethinking construction in Italy to respond more effectively to climate change. It was founded with a unique mission: to decarbonize the built environment by testing solutions that shorten construction times, reduce costs, and lower the environmental impact of buildings, while investing in people's well-being. Through off-site methods and advanced technologies, EDERA works to scale up the volume, performance, and safety of construction projects, creating innovative technical and economic models for building retrofits. In Italy, EDERA coordinates the open Energiesprong program, a model for industrialized, efficient, and affordable building renovation. Because regenerating homes means regenerating communities.

Discover more about them: <https://edera.city/en>



## ARCADIS

Arcadis is a leading global design and consultancy firm for natural and built assets, founded in 1888. Its purpose is to improve quality of life, a mission increasingly vital in today's world. With 36,000 professionals active in 30 countries and over 40,000 projects delivered annually, the company offers design, engineering, project and management services, generating €5bn in 2023. Arcadis creates sustainable outcomes across the asset lifecycle, enhances urban mobility, and safeguards natural resources for future generations. By fostering collaboration and diversity, it works as one organization to deliver livable, resilient cities and lasting solutions to global challenges.

Discover more about them: <https://www.arcadis.com/en>



## ACCESS4YOU

Access4you is a global social impact company recognized by the WELL Building Standard. It is a data-driven system that assesses, certifies, and qualifies the accessibility of the built environment in 16 real estate segments for 8+1 groups with accessibility needs. The company provides the on-site collected – detailed and verified data – to the building owners, investors, tenants, and end-users living with disabilities, as well as a detailed development proposal to become more accessible. It has now assessed 1500 buildings in 33 countries and operates in the CEE, SEE, LATAM and India with the help of an accredited partner network.

Discover more about them: <https://access4you.io>



## METABUILDING ASBL

Metabuilding is a Brussels-based non-profit association active in the EU R&D ecosystem, promoting innovation for a sustainable and competitive Built Environment. We provide stakeholders with facilitated access to: a) sector-specific, curated knowledge, b) professional innovation and testing services from idea to market via Metabuilding Labs, our Open Innovation Test Bed, and c) metabuilding.com, our collaborative digital platform. This platform is the meeting place for the AEC innovation ecosystem, allowing all innovation actors to stay updated on the latest innovations, find collaboration partners for development or business activities, showcase innovative products and solutions, and obtain support in innovation, testing, and certification for their R&D projects results and assets.

Discover more about them: <https://metabuilding.com>



## THE BUILDING DIGITAL TWIN ASSOCIATION

The Building Digital Twin Association (BDTA) is a private, non-profit organization founded in 2020 in Antwerp by partners of the Horizon 2020 EU-project SPHERE. Our mission is "Defining Building Digital Twins" by uniting AECOO stakeholders to co-create open standards, foster interoperability, and drive innovation. Through Working Groups, Horizon Europe projects, and alliances with major networks, we build an open, ethical, and sustainable ecosystem. As part of CEN and UNE standardization bodies, BDTA ensures members' voices shape the European framework for smart, connected built environments.

Discover more about them: <https://www.buildingdigitaltwin.org/membership>



## ICOPOWER

Founded in 2013 in Bresso (Milan), Icopower designs and manufactures patented energy efficiency systems for industrial, commercial, and service sectors. Led by President Nicolas Tringali and CEOs Enrico Rossetti and Filippo Borea, the company has over 3,100 installations in 24 countries, saving 232 GWh of energy and avoiding 164,000 tons of CO<sub>2</sub>. Its solutions (voltage optimizers, power quality devices, compressed air and HVAC optimization systems) reduce energy waste, stabilize supply, and cut costs, achieving average savings of 6–8%, up to 15%. Owned equally by its founders and a 2020 Club Deal, Icopower grew from €200K in 2013 to €8.4M in 2024. CEO Borea will speak in the "Technology Block" on "Voltage

Regulation, Microinterruptions, and Power Quality," explaining how brief interruptions can halt production and why innovation is key.

Discover more about them: <https://www.icopower.com>



## HARLEY DIKKINSON

Harley&Dickinson is an Italian fintech company led by Alessandro Ponti, specializing for over 20 years in enhancing buildings to improve the quality of urban life, with people's well-being at its core. Organized into specialized subsidiaries, Harley&Dickinson provides the real estate redevelopment supply chain with cutting-edge services and innovative ESG-oriented solutions through a system of vertical technological platforms. For Harley&Dickinson, true enhancement occurs only when regenerating living spaces also revitalizes the social fabric, fostering inclusion and social integration.

Discover more about them: <https://harleydickinson.com>



## IN QUATTRO

IN QUATTRO: Revolutionizing Thermal Management for Data Center Demands with Two-Phase Cooling Technology. IN QUATTRO is a global leader in innovative Two-Phase Pumped Flow Cooling Solutions, designed to address the thermal management challenges of next-generation data centers. The innovative technology ensures reliable temperature control for high thermal power densities, delivering high efficiency with reduced energy consumption. By leveraging sustainable components, IN QUATTRO's two-phase cooling systems improve performance across advanced applications, including high-end servers, HPC servers, data centers, electric vehicles, and aerospace systems. With a focus on sustainability and efficiency, IN QUATTRO is building a cooler, more energy-efficient future for cutting-edge industries.

Discover more about them: <https://www.in-quattro.com>



# SUSTAINABLE PLACES 2026



Sustainable Places is coming  
to **Luxembourg** in 2026 !

*We look forward to welcoming  
you there next year.*