

Energy Efficient Buildings & NEB Matchmaking and Study Visit

11-13 MARCH 2026

BRUSSELS

Dr.-Ing. Marina Stipetic (USTUTT)

HORIZON
europe

NCBR
National Contact Point
for EU Research Programmes


Industry
Contact
Point
Low-emission
Technologies
and Clean Energy

NCBR
National Centre for Research
and Development

HORIZON
europe

Materials Testing Institute University of Stuttgart

Dr. Marina Stipetic (marina.stipetic@mpa.uni-stuttgart.de)

Institutional information and expertise:

Central university institute

270 employees, 75 % funding from industry

Notified body according to construction product regulation (CPR)

Contacts to SMEs in construction sector

EU-funded projects

INBUILT – Innovative bio/geo-sourced, re-used and recycled Products <https://www.inbuilt-project.eu/en/home>

SNUG – Innovative methodology based in circular economy and artificial intelligence <https://snugproject.eu/>

Exploit4InnoMat – An Open Innovation Ecosystem for materials for building envelopes
<https://exploit4innomat.eu/>

EASI ZERo – Envelope Material System with low Impact for Zero Energy buildings <https://www.easizero.eu/>

Research clusters:

Cluster of Excellence Integrative Computational Design and Construction for Architecture (IntCDC)
<https://www.intcdc.uni-stuttgart.de/>

Valorisation of Bioresources (ValBio) <https://www.valbio.uni-stuttgart.de/>

2 – Project Idea and Expression of Interest

Selected Topics: → Circular and regenerative approaches for the built environment

- ❑ HORIZON-NEB-2026-01-REGEN-01: Sustainable, inclusive, affordable and beautiful solutions for thermal comfort in buildings
- ❑ HORIZON-NEB-2026-01-REGEN-02: Advancing sustainable maintenance and repair measures for existing buildings

Experience with several bio-based materials

Mycelium panels (EU-Projects EASI ZERo, INBUILT, and a partner group in IntCDC)

Bio-concrete Smirnova et al. 2023, <https://doi.org/10.1038/s44296-023-00004-6>

Structural elements out of natural fibre based materials (see IntCDC)

Wood based materials (structural or insulation use)

Partner in the Cluster ValBio – Valorization of Bioresources <https://www.valbio.uni-stuttgart.de>

Durability assessment, material characterization and path to certification

2 – Project Idea and Expression of Interest

Selected Topics: → Highly energy-efficient and climate neutral European building stock

- ❑ HORIZON-CL5-2026-09-D4-02: Low disturbance prefabrication approaches for deep renovation of multi-storey buildings (Built4People Partnership)
- ❑ HORIZON-CL5-2027-05-D4-05 On-site robotic and automated techniques for building renovation and new construction
- ❑ HORIZON-CL5-2027-05-D4-07: Integrating circularity in LCA-based modelling frameworks for renovation of buildings (Built4People Partnership)
 - Increase re-cycling and use of materials with low CO₂ footprint (bio-based , etc.), Self healing materials
 - Durability assessment of re-cycled structural members, assessment and monitoring of Indoor Environment Quality (IEQ), large scale laboratory testing to guide solutions to certification
 - On-site robotic group at USTUTT <https://www.intcdc.uni-stuttgart.de/research/research-projects/rp-35-1>
 - Video: <https://youtu.be/BOhE5G9C3Jo>

Contact information

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