Support the deployment of lighthouse demonstrators for the New European Bauhaus initiative in the context of Horizon Europe missions

HORIZON-MISS-2021-NEB-01-01

Christof Marx
CINEA
• Deploy **mission-oriented pilot projects** that will act as ‘lighthouse demonstrators’ across the territory of the EU & AC.

• Embrace the key **principles of the NEB initiative** (sustainability, inclusion and aesthetics).

• Address one or more relevant **challenges** that represent the wide scope of the NEB initiative, such as:
  - Environmental and climate (adaptation) challenges, risks, prevention and resilience
  - Economic and territorial changes linked to the green transition
  - Social challenges (poverty, segregation, social exclusion, etc.)
  - Challenges linked to the use, preservation and reconversion of existing infrastructure and heritage
  - Demographic challenges (ageing, migration, depopulation, changes in property market due to tourism, etc.)
Proposals should include:

- The development of an ambitious, mission-oriented, quality co-design process, based on citizens’ and stakeholders' participation and multidisciplinary and multilevel collaboration.

- An ambitious and credible executive plan for a given territory (e.g. neighbourhood, district, ecosystem) addressing sustainability, inclusiveness and aesthetics.

- Details of innovative solutions to address emblematic environmental and societal challenges at the territorial level.

- Deployment of an initial set of solutions as demonstrators, accompanied by a rigorous impact evaluation methodology,

- A detailed roadmap for implementation, with a sustainable financial plan.
Proposals should also include:

- Evidence of developed **relationships and partnerships** with responsible authorities and/or representatives.
- Exchange and dissemination of **co-design methodology** at European Union and Associated Countries level.
- Contribution to the outreach, **dissemination and communication** strategy and plan of the NEB and of Horizon Europe missions.
- Potential applicants are invited to join the NEB community.
- Projects are expected to participate in European-level networking opportunities in the context of the NEB initiative.
Expected outcomes

• A **transformational impact** both on the built environment, and on how people live and interact in that environment.

• ‘Tangible’ and **replicable results**, leading to benefits in the long-term.

• Catalyse substantial **additional investments** to ensure the implementation of the full-scale project after the design phase.

• **Demonstrate** the operationalisation of the **triangle of sustainability, inclusion and aesthetics**, serving as reference for the broader implementation of the NEB initiative and enabling a rapid scale-up of the Horizon Europe missions’ activities.
Specific conditions

- General eligibility criteria apply
- Estimated EU contribution: EUR 3-5 million / project
- Total indicative budget: EUR 25 million
- Type of action: Coordination and Support Action
- Exceptions to eligibility conditions apply
- Exceptions to award criteria apply
Timing

• Opening: 28 Sep 2021
• Deadline: 25 Jan 2022
More info & contact details


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- Develop **business models** that ensure co-financing options to foster innovation for sustainability, style, accessibility and quality of the built environment;

- Support the creation and operation of whole value chain **Innovation Clusters** linked to the ‘Built4People’ partnership.

- **Link up** the Innovation Clusters with regional/national innovation hubs / clusters, and NEB pilot projects.

- **R&I support** to all actors of the European built environment ecosystem in particular for SMEs and mid-caps;

- Put in place a **network structure** to focus and nurture public investments that would serve several regions of Europe;

- Organise **dissemination** actions; develop an organisation and business model for an effective collaboration among the Clusters;

- **Cooperate** closely with other coordination actions for the NEB and with leading partners of the B4P partnership.
Expected outcomes

• **Increased** uptake of innovative solutions, peer-learning from front runners, and **awareness**;

• **Better integration** of quality architecture and design principles in line with NEB (including cultural heritage); circular economy principles; human-centric inclusivity; accessibility for persons with disabilities;

• Adoption and uptake of **innovative results**, strengthened **networking**, and scaled-up **co-financing**.
Specific conditions

- **General eligibility criteria apply**
- Estimated EU contribution: EUR 1 million / project
- Total indicative budget: EUR 1 million
- Type of action: Coordination and Support Actions
Timing

• Opening: 02 Sep 2021
• Deadline: 25 Jan 2022
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Cost-effective, sustainable multi-functional and/or prefabricated holistic renovation packages, integrating RES and including re-used and recycled materials (Built4People)

HORIZON-CL5-2021-D4-02-02
Scope

- Develop renovation **solutions**: applying predominantly re-used / recycled / bio-sourced construction materials / products; improve energy performance of buildings; requiring limited modifications to the building structure; passive and active functions; integration of RES; scalable; for different building types; demonstrating a high replication and industrial potential; using prefabricated components.

- Seek to integrate local sources of **reused components** and **secondary raw materials** (incl. urban mining).

- Develop testing methodologies; Model and test materials / components; Benchmark and monitor performance; Ensure compliance and cost-effectiveness; Contribute to standardisation and certification.
• Assess **risks** (major disruptive events). Consider aspects of aesthetics, historical value, architectural identity.

• Demonstrate **benefits** such as: reduced maintenance costs, improved indoor environment, user comfort, satisfaction, accessibility, sustainable use of resources, reuse at the end of service life.

• At least **3 large-scale demonstrations** of the solutions
Expected outcomes

- Increased **scale** and **productivity** in the renovation process: on-site construction / renovation work time (-30% to -50%).
- Improved building **performance**: insulation, air-tightness, indoor environment, user comfort and satisfaction, accessibility, embodied energy, emissions.
- Increased **attractiveness** of renovation for buildings owners and users. Improved **affordability** of sustainable renovation and RES systems.
- Increased deployment of built-in **renewable energy** solutions for heating, cooling, electricity generation.
- Increased share of **reused / recycled / biosourced** construction materials / products in building renovation.
- Faster uptake of EU-wide **standards** or **certification**.
• **General eligibility criteria apply**
• Estimated EU contribution: EUR 9-11 million / project
• Total indicative budget: EUR 22 million
• Type of action: Innovation Action
• Exception to admissibility condition: page limit of 70 pages
• Expected TRL: 7 (at the end of the project)
• Funding rate: 60% (100% for non-profit legal entities)
Timing

• Opening: 02 Sep 2021
• Deadline: 25 Jan 2022
More info & contact details


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