

Project title: „METAclustered, SME – oriented European Open Innovation Test Bed for the BUILDING envelope materials industrial sector using a harmonised and upgraded technical framework and living LABS"

EU wide network of testing facilities & Innovation services for new building envelope technologies & products

Total value of the project:	EUR 16 352 620,00
Max. EC financing:	EUR 14 944 528,75
ITB's estimated budget:	EUR 552 625,00
Realisation:	01.01.2021 - 31.01.2026 (61 months)

METABUILDING LABS (G.A. N° 953193) is a five-year Horizon 2020 EU-funded Innovation project whose main intention is to contribute to reach the Paris Climate Agreement (COP21) goal of “**nearly-zero energy, zero emission buildings**”.

A large consortium of **40 partners from 13 European countries** have joined forces to provide European small and medium-sized enterprises (SMEs) from the construction sector with easy access to a wide network of high value testing facilities allowing them to **develop and test innovative envelope solutions** for next generation buildings.

These testing facilities will be provided by:

- **Research & Technology Organisations (RTOs)**
- **Living Labs**
- **Social Housing buildings**

The **METABUILDING LABS network of testing facilities** will extend across the following countries:

Austria · Belgium · FRANCE · Germany · Hungary · Ireland

ITALY · Luxembourg · Poland · SPAIN · Sweden · Turkey



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METABUILDING LABS CONSORTIUM

Project Coordinator:

1. **NOBATEK INEF 4, France**

Partners:

2. **EUROPEAN CONSTRUCTION, BUILT ENVIRONMENT AND ENERGY EFFICIENT BUILDINGS TECHNOLOGY PLATFORM, Belgium**
3. **EUROPEAN ALUMINIUM, Belgium**
4. **EUROPEAN NETWORK OF LIVING LABS IVZW, Belgium**
5. **COMITE EUROPEEN DE COORDINATION DE L'HABITAT SOCIAL AISBL , Belgium**
6. **HORMIPRESA NEC SL, Spain**
7. **RISE RESEARCH INSTITUTES OF SWEDEN AB, Sweden**
8. **BUNDESANSTALT FUER MATERIALFORSCHUNG und PRUEFUNG, Germany**
9. **AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GmbH, Austria**
10. **ÉMI ÉPÍTÉSÜGYI MINŐSÉGELLENŐRZŐ INNOVÁCIÓS NONPROFIT KFT, Hungary**
11. **INSTYTUT TECHNIKI BUDOWLANEJ (ITB), Poland**
12. **NATIONAL UNIVERSITY OF IRELAND, GALWAY, Ireland**
13. **STEINBEIS INNOVATION GGMBH, Germany**
14. **CENTRE SCIENTIFIQUE ET TECHNIQUE DE LA CONSTRUCTION, Belgium**
15. **ECOWISE EKODENGE LIMITED, United Kingdom**
16. **LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY, Luxembourg**
17. **COVERIS, France**
18. **TERRELL , France**
19. **EDILIANS, France**
20. **POLY-OUVRAGES, France**
21. **MATERIALIA, France**
22. **ARAMIS, France**
23. **OCTOPUSSY AGENCE POUR LA CREATION ET LA DIFFUSION D'ACTIVITES CULTURELLES ARTISTIQUES TECHNOLOGIQUES SCIENTIFIQUES, France**
24. **SVILUPPO TECNOLOGIE E RICERCA PER L'EDILIZIA SISMICAMENTE SICURA ED ECOSOSTENIBILE SCARL, Italy**
25. **R2M SOLUTION SRL, Italy**
26. **FEDERAZIONE DELLE COSTRUZIONI, Italy**
27. **CASA S.P.A, Italy**
28. **UNIVERSITA DEGLI STUDI MEDITERRANEA DI REGGIO CALABRIA, Italy**



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29. **ONYX SOLAR ENERGY SL, Spain**
30. **INDRA SOLUCIONES TECNOLOGIAS DE LA INFORMACION SL, Spain**
31. **FUNDACION CARTIF, Spain**
32. **FUNDACION IDONIAL, Spain**
33. **FUNDACION TEKNIKER, Spain**
34. **VIVIENDAS DEL PRINCIPADO DE ASTURIAS SA, Spain**
35. **UNIVERSIDAD DEL PAIS VASCO / EUSKAL HERRIKO UNIBERTSITATEA, Spain**
36. **FUNDACION PLATAFORMA TECNOLOGICA ESPANOLA DE LA CONSTRUCCION, Spain**
37. **EKODENGE MUHENDISLIK MIMARLIK DANISMANLIK TICARET ANONIM SIRKETI, Turkey**
38. **TC BASAKSEHIR BELEDIYESI – BASAKSEHIR MUNICIPALITY, Turkey**
39. **ARCELORMITTAL INNOVACION INVESTIGACION E INVERSION SL, Spain**
40. **IMPULSE PARTNERS, France**



METABUILDING LABS project reaches out to SMEs and provides them with access to **Open Innovation Testbeds (OITB)** as part of a wider **innovation support ecosystem**, which will be of high value and tailored to their needs. Some SMEs, representing the main targeted stakeholder group, form part of the project consortium to collaborate in the specification and development of the OITB and its services, and to “test drive” their innovations. The OITB will help to **accelerate SME innovation** and allow SMEs to **become competitive** against big industry players.

In order to engage an ever-growing number of SMEs in innovation on a European scale, an OITB not only needs to create, organise and put to work technical and regulatory testing facilities and services, but should also deploy a sound and effective strategy to **bring European SMEs into its ecosystem by means of metaclustering**. The main idea behind the metaclustering concept is to maximize the outreach to up to **30.000 SMEs** from all European regions through **12 Metaclusters** that interconnect **180 existing European Clusters** that will reach SMEs through a cascade communication methodology:

METACLUSTERS > EUROPEAN CLUSTERS > NATIONAL PLATFORMS > REGIONAL CLUSTERS > SMEs

The **METABUILDING LABS** project is closely related to the **H2020 project METABUILDING** (G.A. № 873964), (www.metabuilding-project.eu), which started in June 2020. The METABUILDING project has put in place the first layer of this ecosystem by involving 6 target countries (which will now be extended to 13 European countries) and has created an **Open Innovation Digital Platform** for the innovation ecosystem of the construction sector. This platform will be consolidated and enlarged through METABUILDING LABS.

The metabuilding.com platform will serve as a virtual and ubiquitous Single-Entry Point to innovation support and services to the European construction ecosystem in general, and particularly to the Innovation testbed services, which are being developed within the METABUILDING LABS project.

This represents an ambitious twofold intent, which is strategically underpinned by the **European Construction Technology Platform’s (ECTP)** roadmap. Moreover, 21 of the ECTP’s members, including the ECTP itself, are partners in the METABUILDING LABS project themselves.



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SECTORAL, REPLICATION AND EXPLOITATION OBJECTIVES

- **Build** up a future-proof, upgradable, competitive, sustainable, and inclusive European Innovation Ecosystem and OITB network.
- **Stimulate** investments in building-envelope innovations and new technologies by providing testbed evidence on material performance for companies and investors.
- **Contribute** to enhance the technical and environmental quality of EU building envelope products, through the harmonisation and streamlining of testing requirements.

SOCIO-ECONOMIC AND ENVIRONMENTAL OBJECTIVES

- **Unlock** the potential of SMEs by getting access to prototyping, testing facilities, certification services and infrastructures to improve the quality of their products/solutions.
- **Test** user acceptance and environmental requirements of products and solutions in Living Labs.

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Read more: <https://metabuilding-labs.eu/>

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🔗 Facebook: <https://www.facebook.com/MetabuildingLABS/>

🔗 YouTube: https://www.youtube.com/channel/UC-dv_euagQ35JctIRrM8KVQ/about



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