



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

Project Presentation

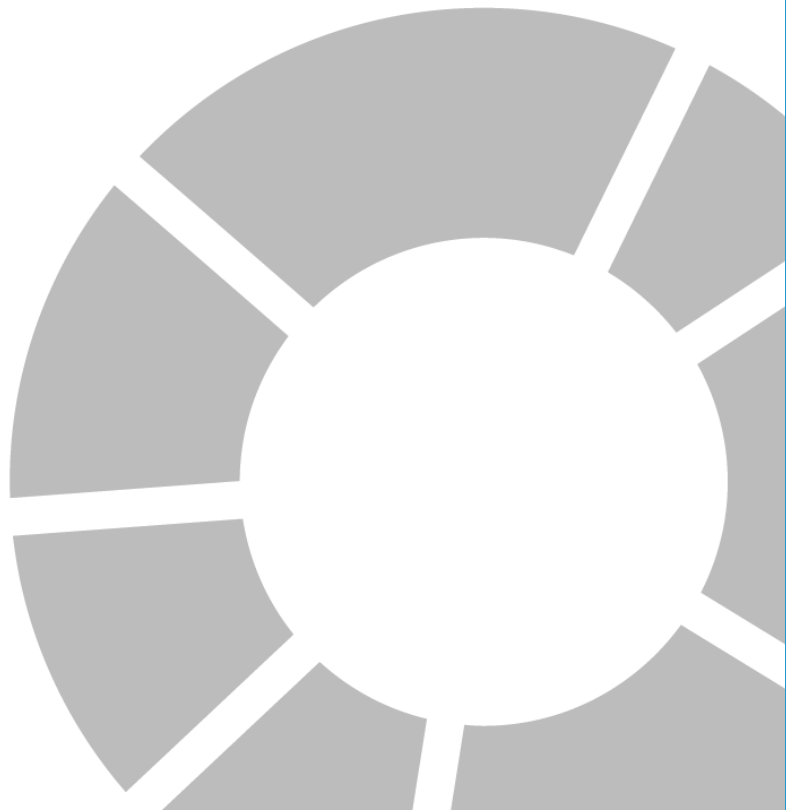


27/05/2022

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NOBATEK/INEF4 Deputy Director
Metabuilding & Metabuilding Labs coordinator



METABUILDING LABS Project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 953193. The sole responsibility for the content of this document lies entirely with the author's view. The European Commission is not responsible for any use that may be made of the information it contains.



METABUILDING LABS

The Project

THE PROJECT

“METABUILDING LABS, join a global network of testing facilities”

METAcustered, SME oriented European Open Innovation Test Bed for the BUILDING envelope materials industrial sector using a harmonised and upgraded technical framework and living LABS



Topic ID :

DT-NMBP-05-2020 : Open Innovation Test Beds for materials for building envelopes



Coordinator :  **nobatek INEF4**
INSTITUT POUR LA TRANSITION ENERGETIQUE



Consortium : 40 partners from 13 EU countries



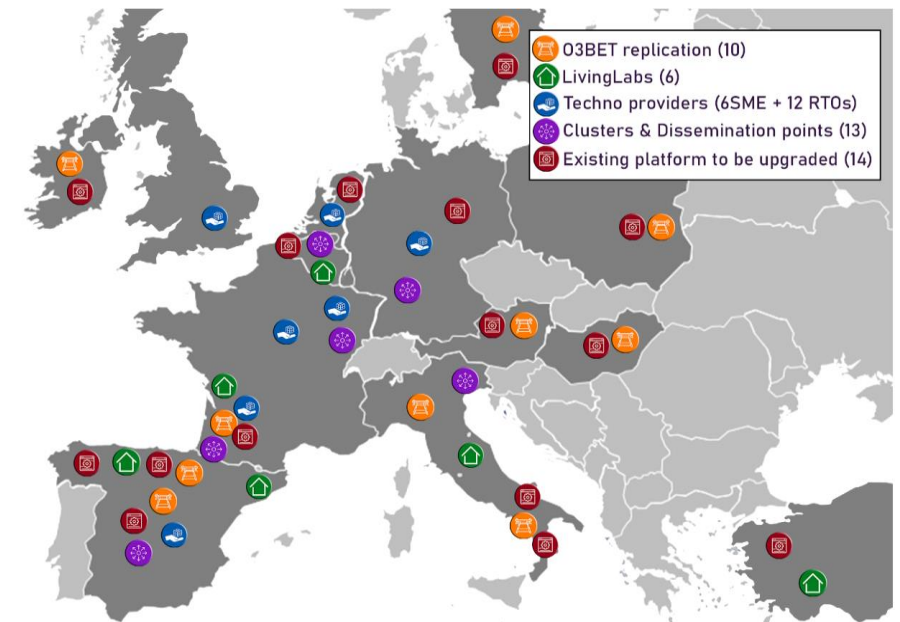
+ 20 ECTP members involved



Period : 5-years project (2021 - 2025)



Budget : 17M€ (funded 15.6M€)



The Open Innovation Test Bed main intent



WHAT ?

Technical support to develop and easy access to testing innovative systems and solutions for next generation buildings



WHY ?

To boost innovation in the EU Construction sector while improving competitiveness and market impact of the small and medium-sized enterprises (**SMEs**)



HOW ?

By providing an easy access to a wide network of high-value **testing facilities and innovation services**



ITB. Warsaw, POLAND



NOBATEK/INEF4. Anglet, FRANCE



AIT. Vienna, AUSTRIA



RISE. Borås, SWEDEN

METABUILDING LABS OITB

+ 100 Testing Facilities for Building Envelopes across 12 Countries

The METABUILDING LABS network of testing facilities include:

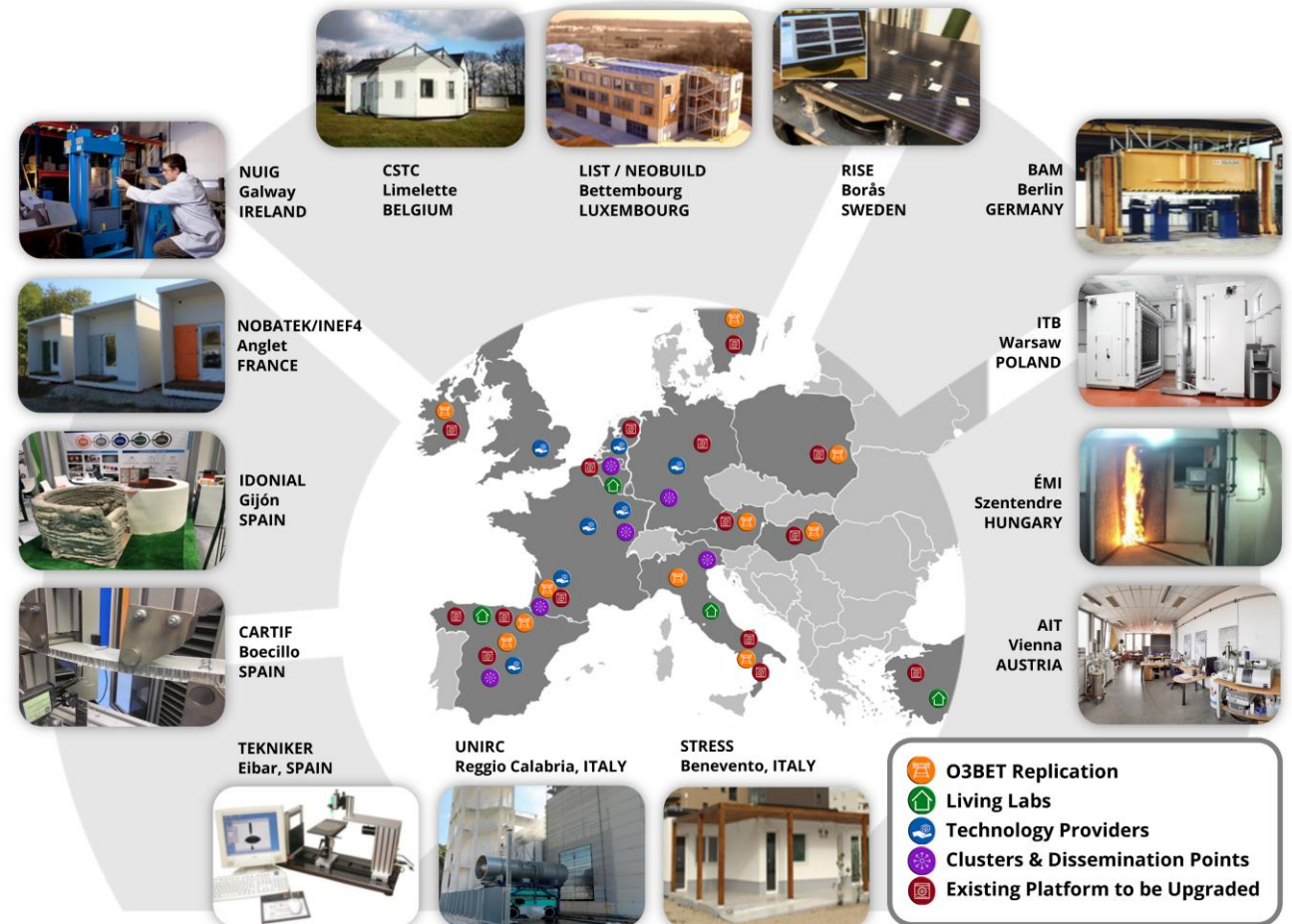
- laboratories
- test benches
- pilot buildings (via dynamic database)
- living labs



WHERE ?

Starting across the following countries:

AUSTRIA · BELGIUM · FRANCE
GERMANY · HUNGARY · IRELAND
ITALY · LUXEMBOURG · POLAND
SPAIN · SWEDEN · TURKEY



THE CONSORTIUM

Composition of the Consortium

Project Coordinator (RTO)



Building Envelope Technology Developers



Residential Building Owners



Clusters / Industrial Associations



ICT & Construction Industry



Living Labs



Universities



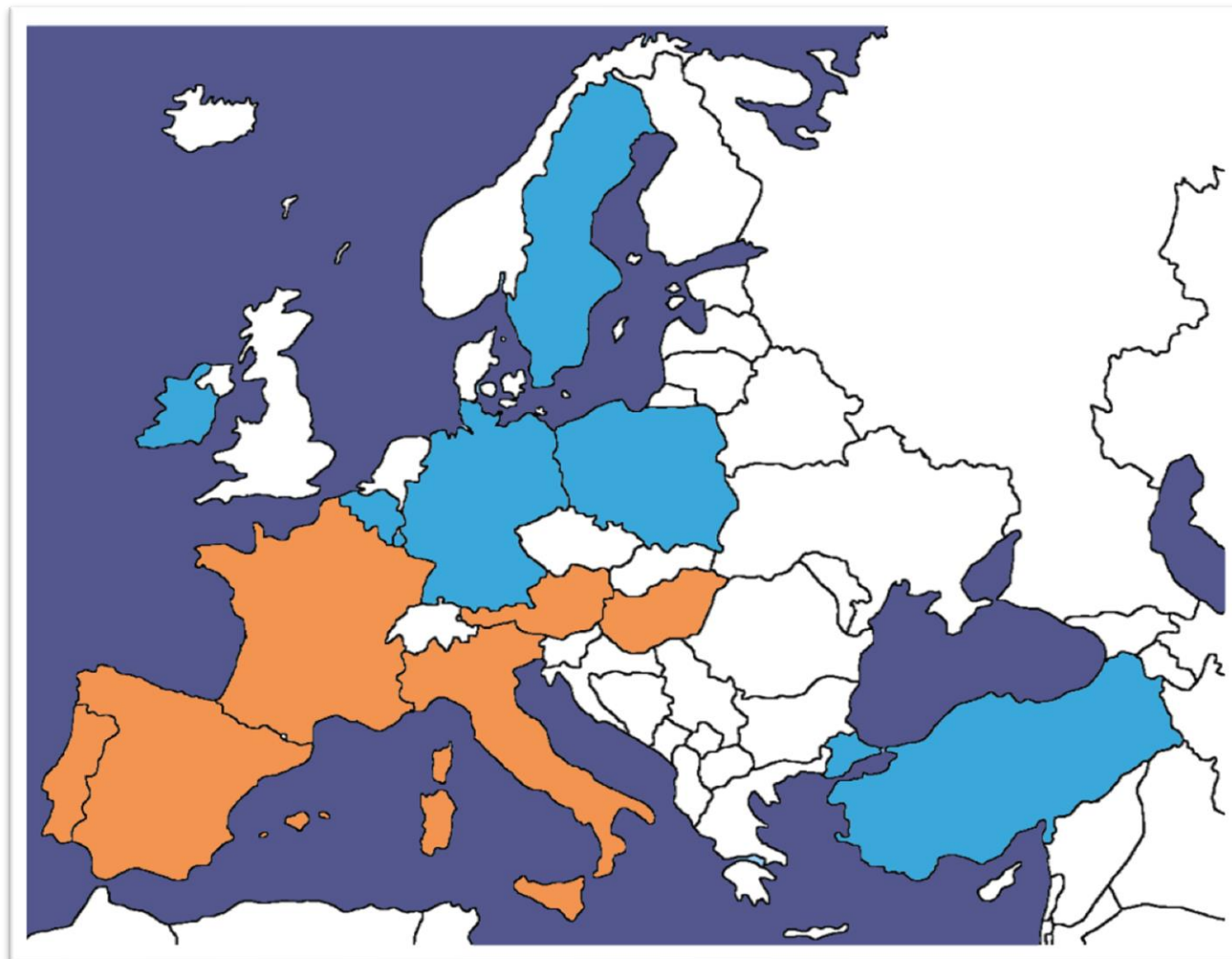
RTOs / Test Bed Providers

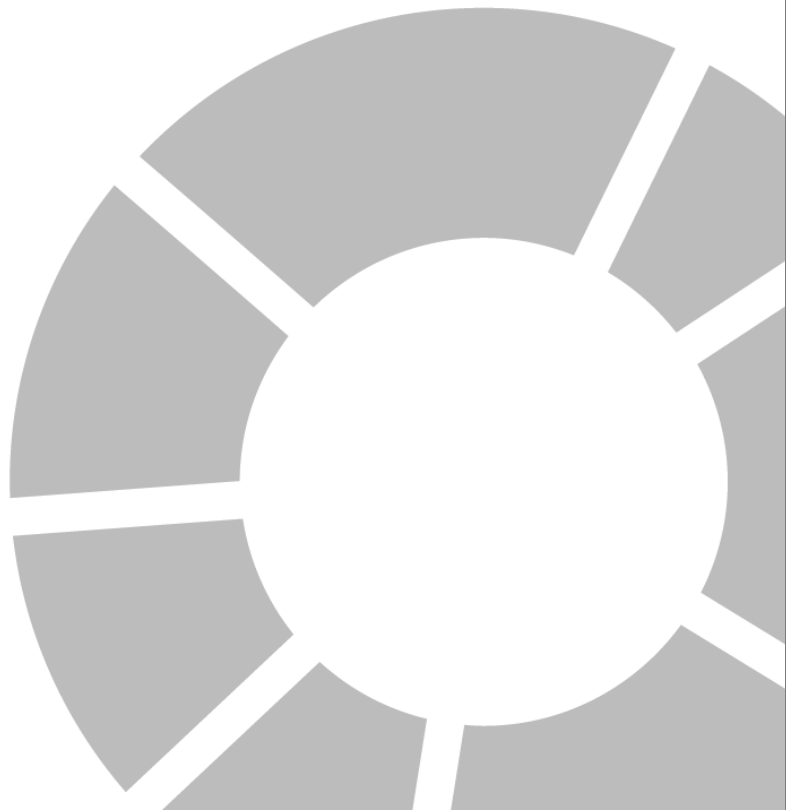


Exploitation / Communication



**METABUILDING + METABUILDING LABS: 13
countries towards a connected ecosystem**





METABUILDING & METABUILDING LABS

One Ecosystem,
One Platform,
One Open Innovation Test Bed

METABUILDING ECOSYSTEM



2 independent but complementary H2020 projects



INNOSUP 2019
Started June 2020



DT-NMBP 2020
started January 2021



**The Single-Entry Point
to manage the OITB**

metabuilding.com

The Digital Open Innovation Platform

- Created in METABUILDING
- Handled to METABUILDING LABS
- The virtual SEP to the OITB

Comprehensive Innovation Support for SMEs

METABUILDING and METABUILDING LABS share the same innovation ecosystem and the same objective:

**“Push and help SMEs to deliver New and Innovative solutions
for the Construction market”**



An H2020 project **funded by the EC** (GA # 873964) and **managed by EISMEA**

- **Coordinator** : NOBATEK/INEF4
- **Consortium** : 15 European partners involved
- **Period** : 3-years project (2020 – 2023)
- **Budget** : 5 M€ grant

PROJECT OBJECTIVE

To provide financial support (3.75M €) to 140 European SMEs, launching collaborative innovation projects among the construction sector and 4 other industrial sectors.

<https://metabuilding-project.eu/>

An Open Innovation Digital Platform

metabuilding.com

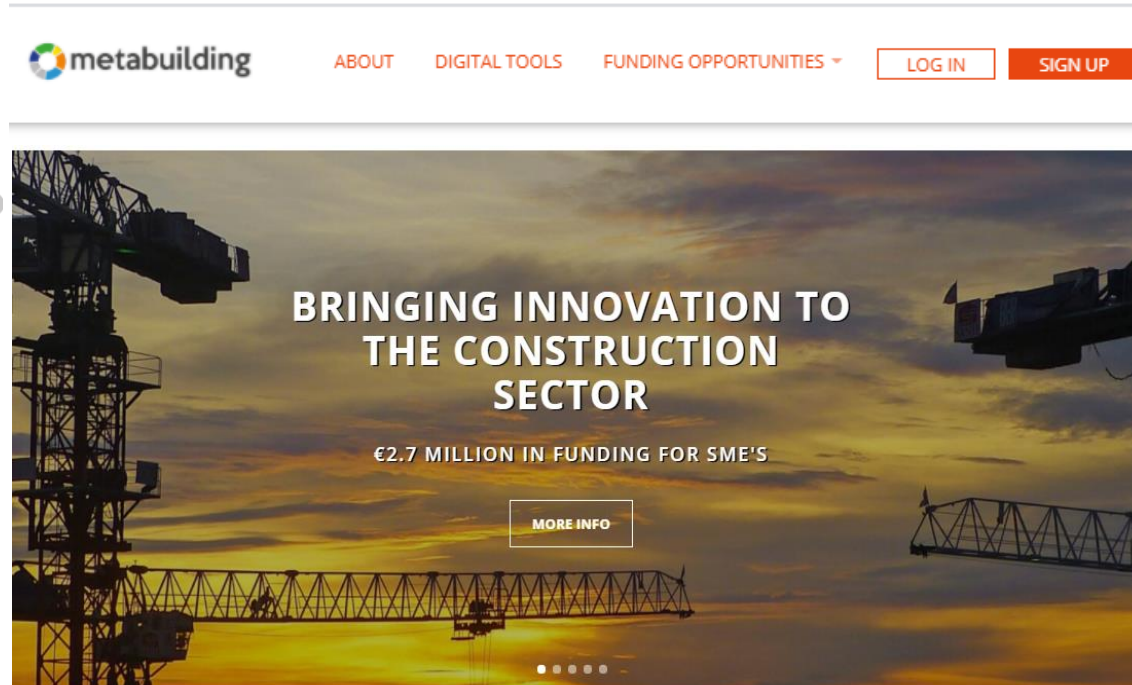


- **Created** in METABUILDING
- **Handled** to METABUILDING LABS
- **Serving** as a virtual Single-Entry Point to manage the OITB
- **Giving** easy access to a powerful innovation ecosystem
- **Enabling** stakeholders to develop and test innovative systems and solutions

“The digital home of the METABUILDING LABS Single-Entry Point”

METABUILDING PLATFORM

“The Backbone of an EU Scale Innovation Ecosystem”



METABUILDING Innovation Ecosystem

BE DIFFERENT

Perform through innovation.



**Access
Innovation
Funding**



**Find
Innovative
Technologies**



**Find a
Partner**



**Get
Innovation
Support**



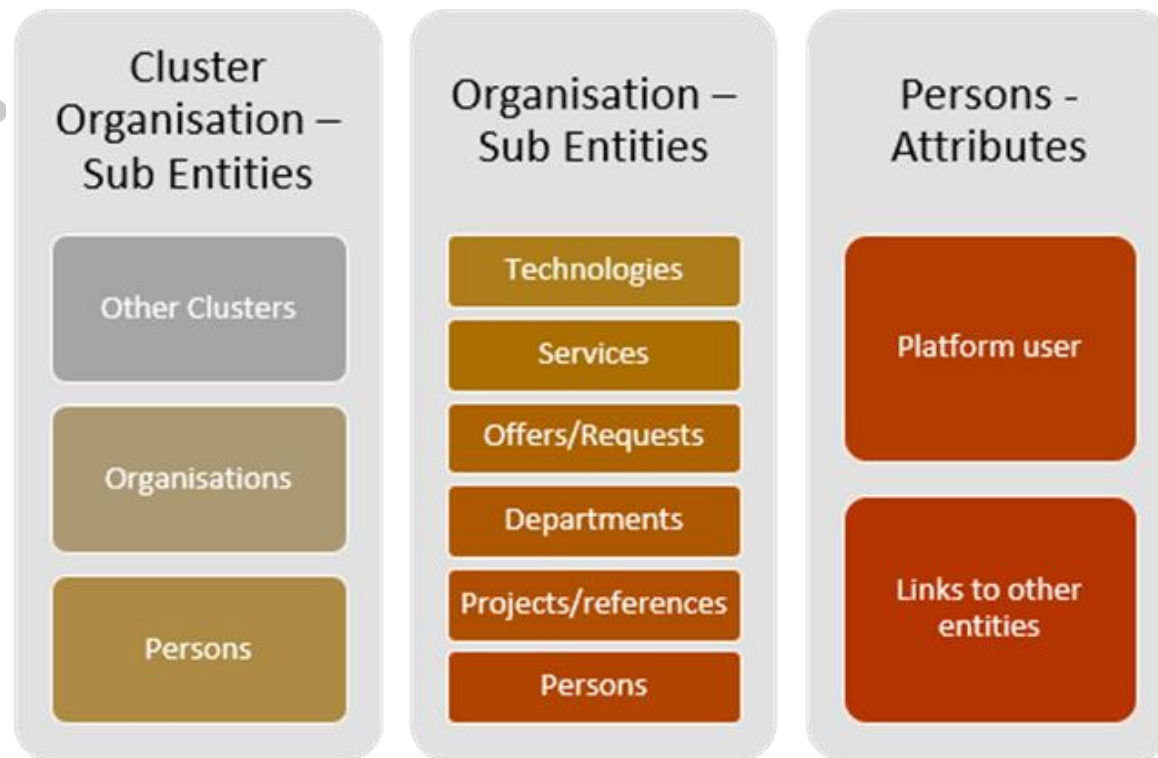
Test Your Innovation

“METABUILDING Platform aims to facilitate collaboration between new partners and experienced experts to boost innovation”



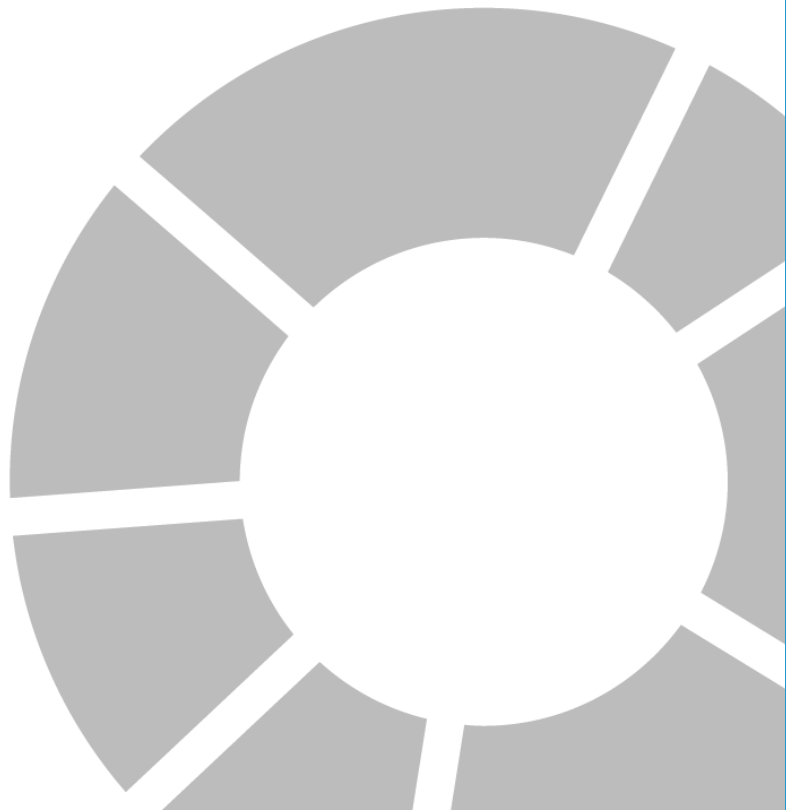
Cluster Management

Metabuilding.com facilitates a tool to collaborate within and across predefined groups



Metabuilding.com is a customised social network for the construction technology and supportive industries

- **Common collaborative environment** between clusters representing countries/regions and/or sectors
- **Rapid access to references/project** outcomes of cluster members
- **Share opportunities** with a specific cluster only
- **Local language support** at regional national level clusters
- Facilitate **technology and market watch** across countries and sectors



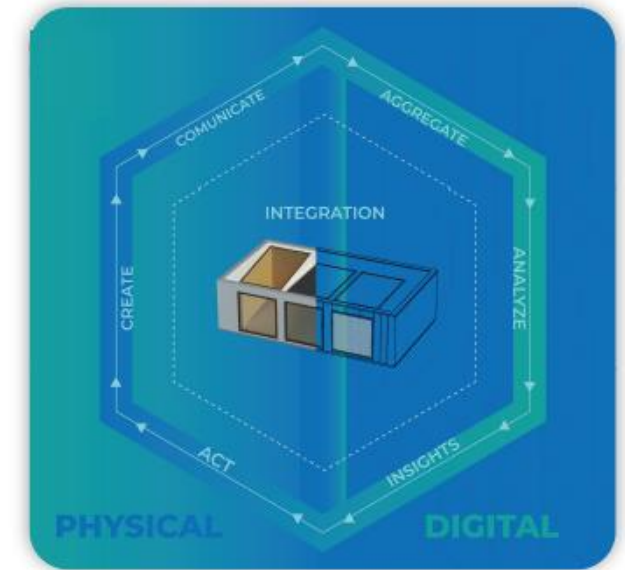
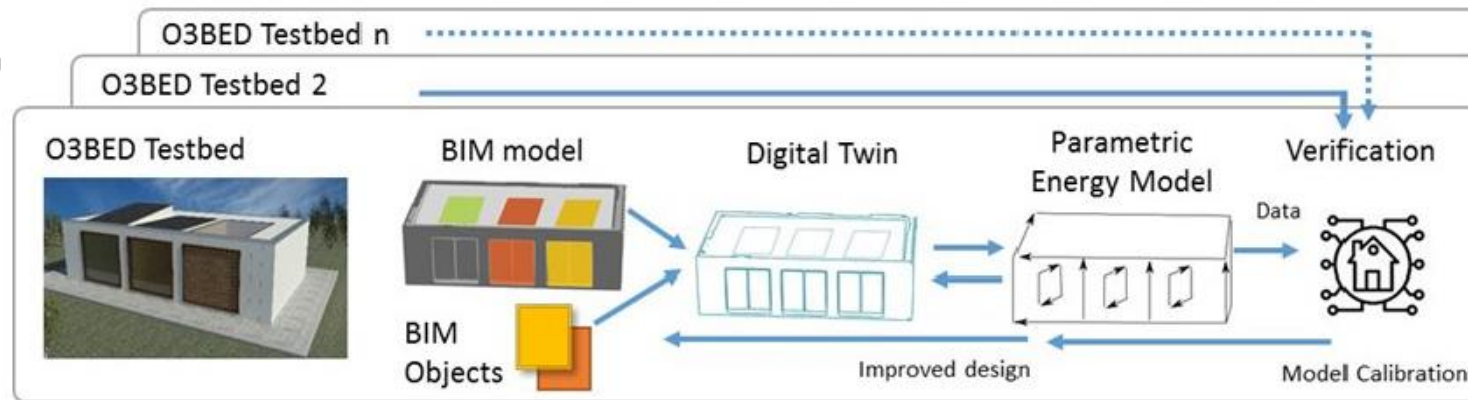
METABUILDING LABS

O3BET

THE O3BET

9 New Innovative Test Benches

O3BET | Open Source Open Data Open Access | Building Envelope Testbench



O3BET creation / purpose

Development testing in real conditions of envelope technologies, and complementary to the existing test beds at partners facilities, the project aims to **design, develop and provide 9 innovative installations**:

O3BET benefits

- A 1:1 scale
- Standardised and fully replicable
- Cost-effective
- Timber based and industrialised
- Mountable/dismountable low environmental impact kit
- **Digital twin enabled**
- Including all necessary sensors/hardware for virtual testing

**METABUILDING + METABUILDING LABS: 13 countries
towards a connected ecosystem**



ECOSYSTEM EXPANSION
We want to add more countries
We can help you apply for specific funding

FROM THE SHELL

Enable stimulating collaborations and opportunities

267 Matches

Search your matches by

[Clear filters](#)

Search

Please choose one of the options below

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 - ☐ In Marketplace
 - ☐ Under Development
 - ☐ Industrial Commons
- ☐ Services
 - ☐ Innovation Services

Apply

Products & Services

+ Add a New Product or Service

in marketplace

Seeking collaborators for smart remanufacturing and recycling system proposals

Xyz Company London

The proposed project will develop and implement a universal and reconfigurable platform for smart remanufacturing and recycling (REMANCY).

The REMANCY platform will integrate smart sensors, computer vision and collaborative robots with digital technologies such as modelling, simulation, optimisation, big data analytics, cloud computing and digital twins.

[See More](#)

under development

industrial common

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[See More](#)

service

Seeking collaborators for smart remanufacturing and recycling system proposals

Xyz Company London R&D Department

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Locate New Markets

Locate new markets for your products and services across Europe. Identify your existing market and find new ways to access opportunities.

COMING SOON



Technology Marketplace

Find out what technologies and services are on the market and directly contact providers. Or why not showcase your market ready products and services?

COMING SOON

Launching sign-up campaign for
 METABUILDING PLATFORM very soon
 please sign-up, use it and ...
 Have your say!



Thank you for your kind attention

Project : www.metabuilding-labs.eu

Platform : www.metabuilding.com



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