



*Unleashing the innovation potential of EU construction SMEs*

## 2nd GROW / HARVEST CALL Presentation (EN)

09/03/2022



METABUILDING Project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 873964. The sole responsibility for the content of this document lies entirely with the author's view. The European Commission and the European Innovation Council and SME Executive Agency (EISMEA) are not responsible for any use that may be made of the information it contains.



# ACTIVITIES OF THE METABUILDING PROJECT

# CALLS FOR PROPOSALS

3,75 M € to Finance and Support Innovation Projects of SMEs

Single SME

SEED



Assess feasibility of project ideas / innovation opportunities

60 Innovation Vouchers

Up to 5.000 € / SME

Payment of services to SMEs (short interventions)

Collaborative Projects (at least 2 SMEs)\*

GROW



Development of new technologies / solutions (TRL 3 - 5)

HARVEST



Technology transfer from other sectors / countries (TRL 6 - 9)

40 Collaborative Projects funded

Up to 60.000 € / project

Collaborative Projects of 6 months



\* + Large Enterprise or RTOs (not financed by the grant).

# 1st SEED CALL

## Results and impact on SMEs

- **159 proposals** received
- **30 awarded SMEs**
- **148,980 € in total** were distributed to awarded SMEs

# 1st GROW/HARVEST CALL

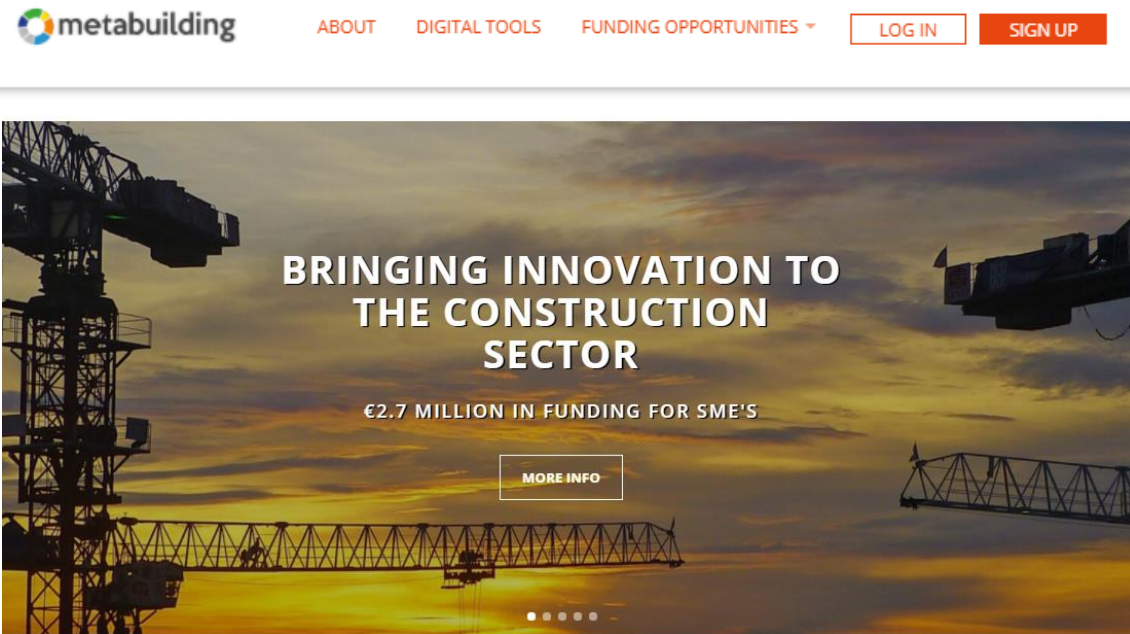


## Results and impact on SMEs

- **87** collaborative projects submitted, all European countries combined
- **201** European SMEs mobilized
- **16** winning projects eligible for funding

Application received per country for the 2nd SEED call that closed on January 26

- **From 50 submitted proposals, the final number of applications is 46**
  - **Austria: 7**
  - **France: 10**
  - **Hungary: 1**
  - **Italy: 3**
  - **Portugal: 10**
  - **Spain: 15**
  
- **The evaluation process started on February 7th and results will be communicated on March 25th to candidates.**



### METABUILDING Innovation Ecosystem

The **METABUILDING innovation ecosystem** brings together stakeholders from construction and 4 emerging industrial sectors: recycling & circularity, additive manufacturing, nature-based solutions and digital industry. The **METABUILDING Platform** aims to facilitate collaboration between new partners and experienced experts to further innovation.

#### BE DIFFERENT

Perform through innovation.



##### Access Innovation Funding

Learn about available innovation funding opportunities and other financial support mechanisms.

[MORE INFO](#)



##### Find Innovative Technologies

Discover innovative technologies that are waiting to be deployed.

[MORE INFO](#)



##### Find a Partner

Team-up with new business partners, potential customers and other innovation stakeholders. Discover others ready to collaborate on a new projects and funding applications.

[MORE INFO](#)



##### Get Innovation Support

Find experts that can provide technical, business and intellectual property support for your innovation project. Including: feasibility and market studies, risk analysis, and many more.

[MORE INFO](#)



##### Test Your Innovation

Gain easy access to testing facilities, knowledgeable experts and living labs to test your innovation and accelerate its route to market.

[COMING SOON](#)

[www.metabuilding.com](http://www.metabuilding.com) linked to the European Construction Technology Platform: [www.ectp.org](http://www.ectp.org)





# METABUILDING LABS



# METABUILDING'S SISTER PROJECT




## METABUILDING LABS

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

**“Support SME innovation and accelerate market transfer of innovative products and solutions”**

**METABUILDING LABS main result:** a network of testing facilities (Open Innovation Test Bed – OITB) with a single-entry point and a support system helping SMEs test innovative technologies.

A graphic with a thick orange border. At the top center is a lightbulb icon. Below it is the text "Test Your Innovation" in orange. Underneath is a paragraph of text: "Gain easy access to testing facilities, knowledgeable experts and living labs to test your innovation and accelerate its route to market." At the bottom center, there is a white rectangular box with an orange border containing the text "COMING SOON" in orange.

  
**Test Your Innovation**

Gain easy access to testing facilities, knowledgeable experts and living labs to test your innovation and accelerate its route to market.

**COMING SOON**

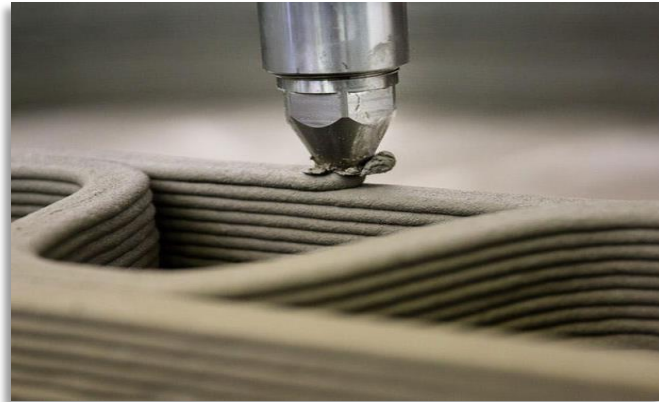
*Access to OITB on METABUILDING platform (under development)*



## 2nd GROW / HARVEST CALL

# MAIN TARGET GROUPS & COUNTRIES

## SMEs of the Enlarged Built Environment Sector



Bring innovation to the construction sector



6 target countries



Through cross-sectoral, cross-border collaboration



**Austria · France · Hungary · Italy · Portugal · Spain**

# FINANCIAL SUPPORT

Payments: 50% upfront payment + 50% final payment

Collaborative Projects (at least 2 SMEs)\*

GROW



Development of new technologies / solutions (TRL 3 - 5)

HARVEST



Technology transfer from other sectors / countries (TRL 6 - 9)

24 projects will be financed of up to 60.000 € / project  
Covering 100 % of the cost

Collaborative Projects of 6 months

\* + Large Enterprise and RTOs (not financed by the grant).

Service Providers

General Conditions

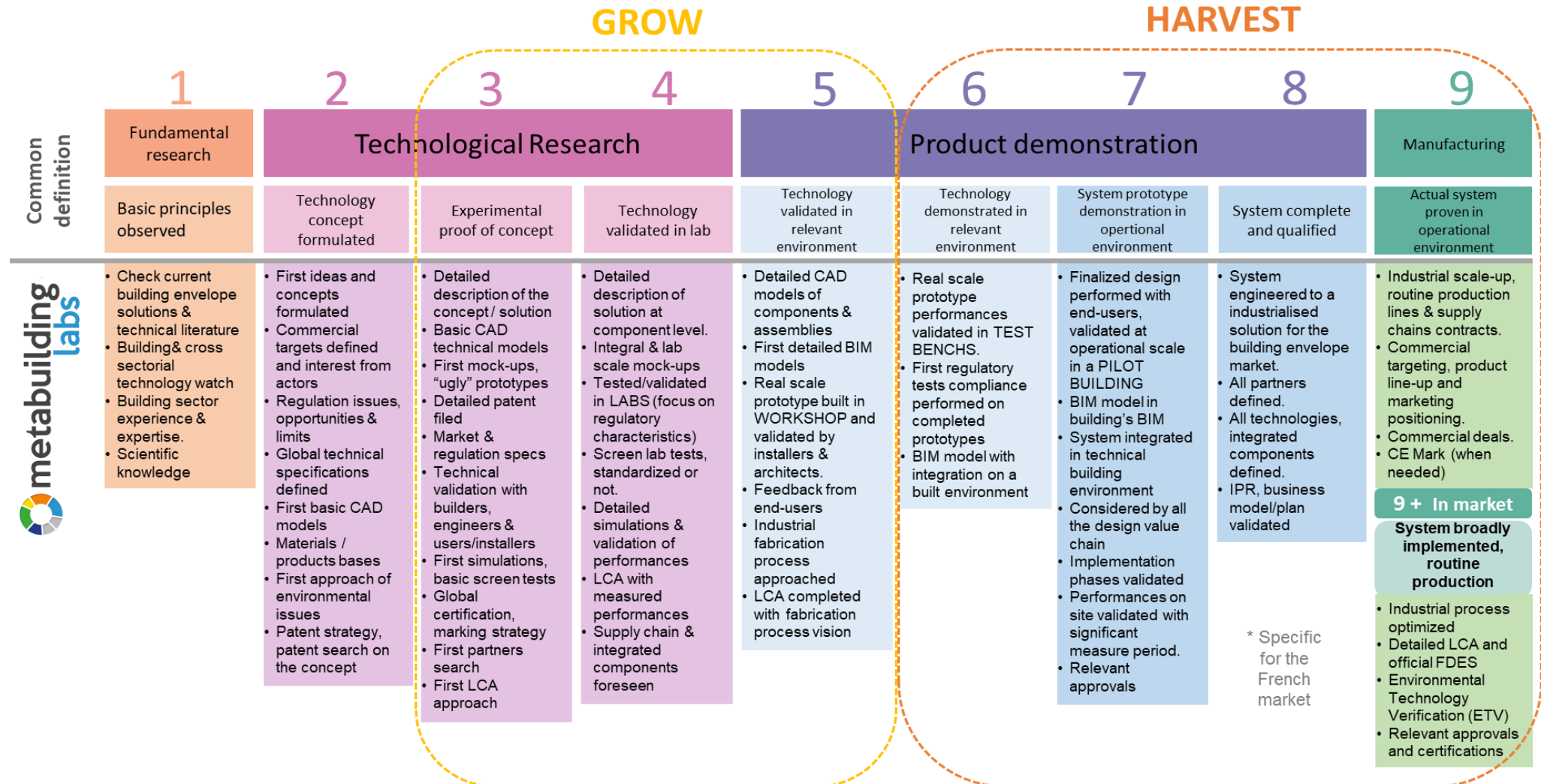
- Service providers must belong to the METABUILDING Innovation Stakeholder Group.
- Be a research and technology organisation, university.
- Located in an eligible country.
- Must be an independent entity without affiliation to the applicants.
- A maximum amount of 75% of the grant can be used to pay a service provider.



# SCOPE OF THE 2<sup>nd</sup> GROW/HARVEST CALL



## TRL diagram



# SCOPE OF THE 2nd GROW/HARVEST CALL



## TRL diagram

The GROW/HARVEST call aims at supporting cross-sectoral/cross border collaboration of SMEs.

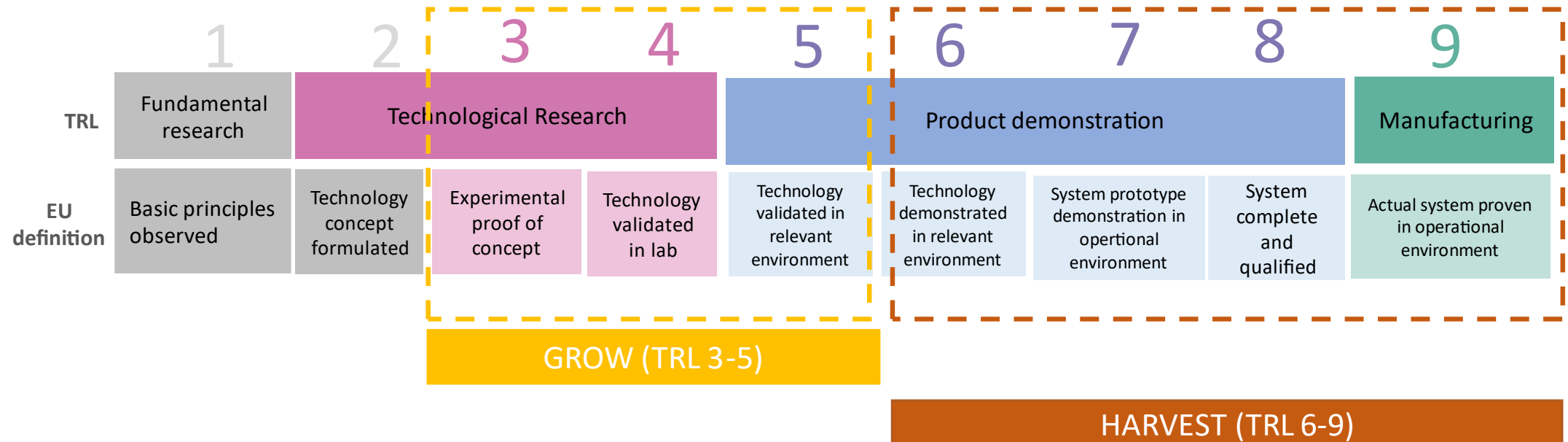
To qualify for funding, collaborative projects have to focus on activities belonging to technology readiness levels (TRLs) between 3 and 9 leading to one of the following outcomes:

### GROW (TRL3 – TRL5)

- TRL3: Concept proofed in experiment
- TRL4: Technology validated in lab
- TRL5: Technology validated in relevant environment

### HARVEST (TRL6 – TRL9)

- TRL6: Technology demonstrated in relevant environment
- TRL7: System prototype demonstrated in operational environment
- TRL8: System completed and qualified
- TRL9: System proofed in operational environment



# SUPPORTED ACTIVITIES

## Activities that can be paid with the grant



- Concept proofed in experiment.
- Technology validated in lab.
- Technology validated in relevant environment.

- System prototype demonstrated in operational environment.
- System completed and qualified.
- System proofed in operational environment.
- System and production routine implemented.

## METABUILDING Challenges for the Construction Sector

### THE CIRCULAR CHALLENGE

#### Construction + Recycling & Circular Economy Sector

##### Topics:

- New recycled building and/or urban infrastructure materials.
- Digital solutions for the Circularity approach in the construction sector.





## METABUILDING Challenges for the Construction Sector

### THE ICT CHALLENGE

#### Construction + ICT Sector

##### Topics:

- Monitoring and managing energy consumption / comfort / health performance in buildings.
- New BIM and digital tools for SMEs.



## METABUILDING Challenges for the Construction Sector

### THE NATURE-BASED SOLUTIONS CHALLENGE

#### Construction + Nature-Based Solutions Sector

##### Topics:

- NBS system solutions for renovation.
- Digitization of care / maintenance / monitoring for NBS.



## METABUILDING Challenges for the Construction Sector

### THE ADDITIVE MANUFACTURING CHALLENGE

#### Construction + Additive Manufacturing Sector

##### Topics:

- Waste reuse through integration into large 3D printing processes for the construction sector.
- Integration of new functionalities in construction components by means of 3D printing.





# EVALUATION CRITERIA

## What to have in mind when Submitting an Application

### GENERAL FOCUS

## BRING INNOVATION TO THE CONSTRUCTION SECTOR

### Collaborative projects should be:

- **cross-sectoral** (construction + other sector)
- **cross-border**

Criteria	Weight	Max. score	What we are looking for
Excellence	30%	5	<ul style="list-style-type: none"><li>• Alignment with METABUILDING objectives defined in the different topics of the challenges.</li><li>• Strong cross-border and cross-sector dimension.</li><li>• Significant innovation potential compared to the technologies and/or solutions available on the market.</li><li>• The description of the proposed development is realistic.</li></ul>
Impact	40%	5	<ul style="list-style-type: none"><li>• Significant impact on the construction sector at national and European level and potential for development of new industrial value chains.</li><li>• Impact on the SMEs participating in the consortium (turn-over, new markets, etc.).</li><li>• Added value provided to targeted users or customers.</li><li>• Steps and methods to bring the project results to the market are clearly described.</li></ul>
Implementation	30%	5	<ul style="list-style-type: none"><li>• Cross-sectoral and cross-border consortium and role of each partner sufficiently described.</li><li>• Comprehensive description of activities.</li><li>• Budget in line with described project activities.</li><li>• Realistic timeframe of implementation.</li></ul>



# POINTS OF VIGILANCE

# BUDGET

## Financial dispositions

- ✓ Equipment costs are not eligible.
- ✓ A **25%** at least of the budget must be **used by the SMEs** to cover their own implementation costs.
- ✓ Up to **75%** can be used to pay external services to **service providers** that belong to the Innovation Stakeholder's Pool.
- ✓ We encourage you to provide a **quotation without VAT included**, as the budget used for the innovation services is EU money.
- ✓ **Large Enterprises** can't receive any funding from the grant. They have to come with their **own financing**.
- ✓ Costs exceeding the amount of the grant can be covered by the SMEs or a non-SME partner with their own funds.



**“24 collaborative projects  
will be funded”**

## Consider the following points

### The application must be submitted:

- Only in English.
- With a **quotation of service provider** if applicable”.
- With the **service provider** imperatively being **part of the METABUILDING’s Innovation Stakeholder’s Pool**.
- Clearly identifying the **challenge and topic** the proposal is responding to.
- With the **Ethics Issues Declaration** signed and submitted with the application.



**If one of these requirements is not completed, the application will be rejected.**

Please note that a guide for applicants in which you will find more detailed information is available here:



<https://www.metabuilding.com/grow-harvest-call/>

***In case of doubt, please refer to this guide at first.***



# APPLICATION PROCESS & TIMELINE

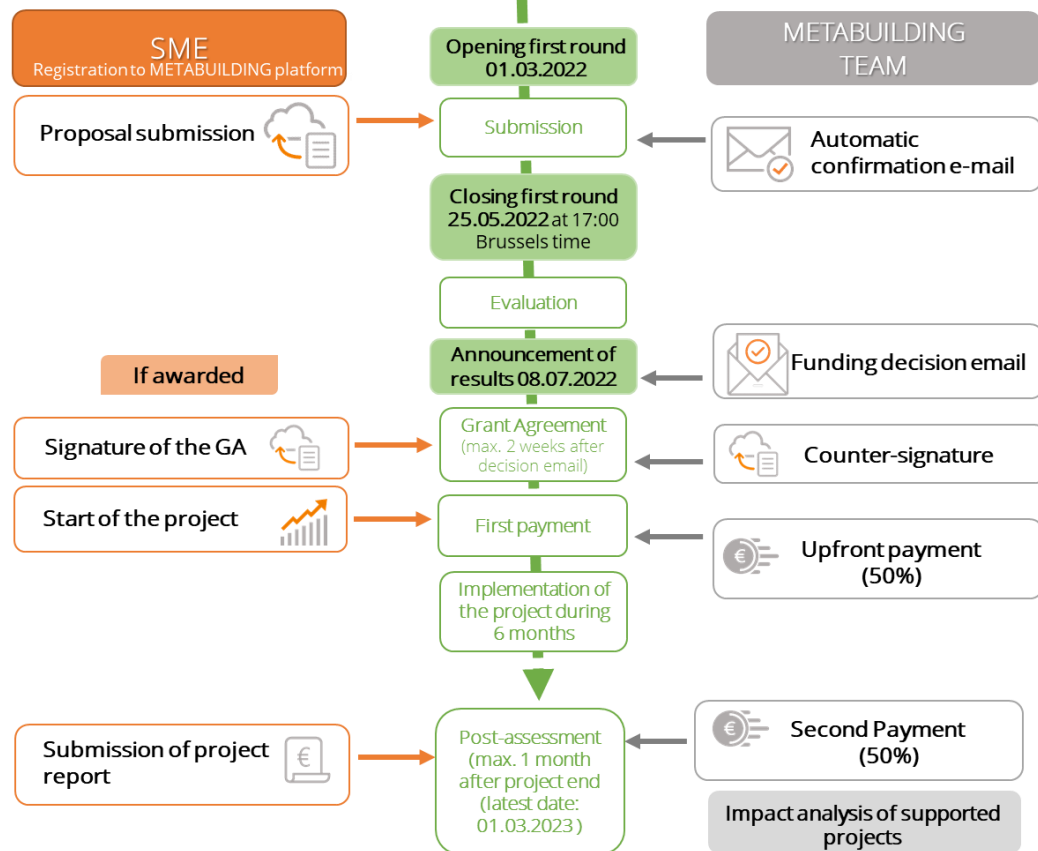


# APPLICATION

## Submit an application: How, when and where?



### GROW/HARVEST projects: Application and implementation steps and timeline



### TIMELINE SECOND ROUND

<b>Call publication date</b>	<b>15.02.2022</b>
<b>Call opening</b>	<b>01.03.2022</b>
<b>Call closing</b>	<b>25.05.2022 at 17:00 (Brussels time)</b>
<b>Information on results</b>	<b>08.07.2022</b>
<b>Reporting requirements</b>	<ul style="list-style-type: none"> <li>To receive the 2<sup>nd</sup> payment, submit the 1<sup>st</sup> Post Assessment report.</li> <li>12 month later submit the 2<sup>nd</sup> Post Assessment report.</li> </ul>

### ONLINE APPLICATION

<https://www.metabuilding.com/grow-harvest-call/>



# GROW / HARVEST CALL SUPPORT

# METABUILDING PLATFORM



Modules to help SMEs in writing-up a GROW/HARVEST proposal on

[www.metabuilding.com](http://www.metabuilding.com)



## Find a Partner

Team-up with new business partners, potential customers and other innovation stakeholders. Discover others ready to collaborate on a new projects and funding applications.

[MORE INFO](#)



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**GROW / HARVEST CALL FAQs** available here: [www.metabuilding.com](http://www.metabuilding.com)

# GROW/HARVEST Partner Search



How to find a partner SME from another country?

[www.metabuilding.com](http://www.metabuilding.com)

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## GROW/ HARVEST Find a Partner

If you have a project idea but are missing a partner, the following module can help you to find a partner with the requested expertise.

[More Info](#)

You have the possibility/opportunity to find a partner [here](#).

# SUPPORT TEAM

Contact us about your questions



**METABUILDING Grant Secretariat**  
*(communication only in English):*  
[grant-secretariat@metabuilding.com](mailto:grant-secretariat@metabuilding.com)

# PARTNERS IN THE 6 TARGET COUNTRIES



## National Helpdesks



Austria: [helpdesk-austria@metabuilding.com](mailto:helpdesk-austria@metabuilding.com)

France: [helpdesk-france@metabuilding.com](mailto:helpdesk-france@metabuilding.com)

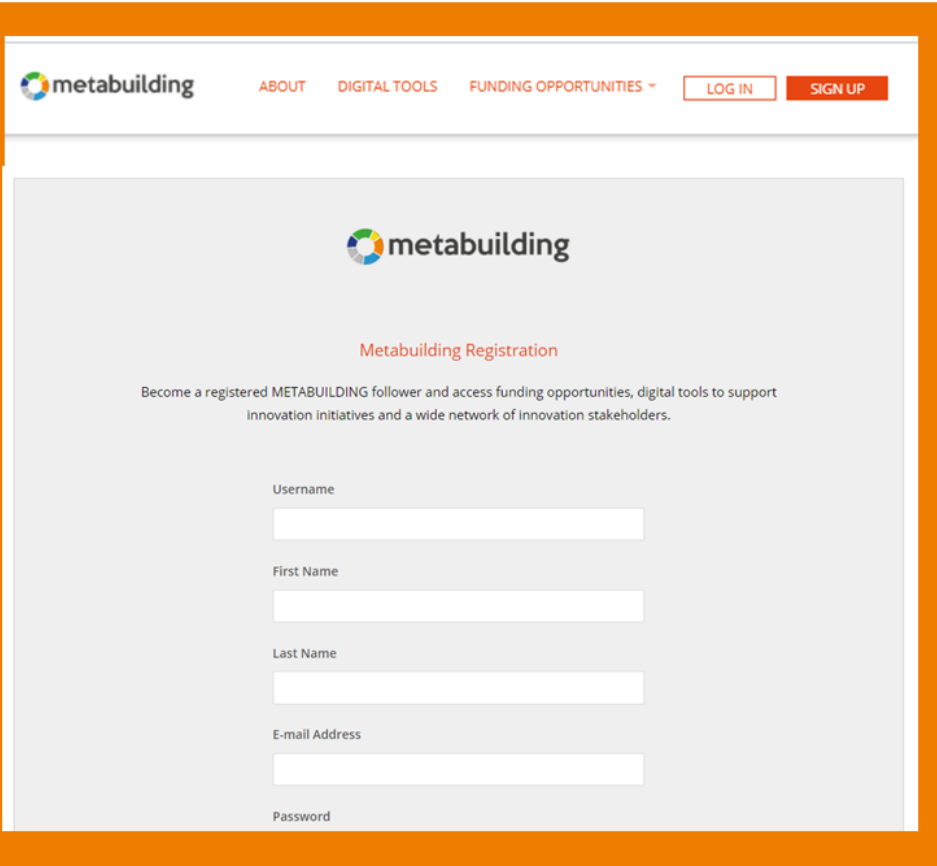
Hungary: [helpdesk-hungary@metabuilding.com](mailto:helpdesk-hungary@metabuilding.com)

Italy: [helpdesk-italy@metabuilding.com](mailto:helpdesk-italy@metabuilding.com)

Portugal: [helpdesk-portugal@metabuilding.com](mailto:helpdesk-portugal@metabuilding.com)

Spain: [helpdesk-spain@metabuilding.com](mailto:helpdesk-spain@metabuilding.com)

Sign-up and become part of the  
METABUILDING ecosystem !

A screenshot of the Metabuilding website's registration page. The page features the Metabuilding logo at the top left, followed by navigation links for 'ABOUT', 'DIGITAL TOOLS', and 'FUNDING OPPORTUNITIES'. There are 'LOG IN' and 'SIGN UP' buttons. The main content area is titled 'Metabuilding Registration' and includes a brief description: 'Become a registered METABUILDING follower and access funding opportunities, digital tools to support innovation initiatives and a wide network of innovation stakeholders.' Below this, there are five input fields for 'Username', 'First Name', 'Last Name', 'E-mail Address', and 'Password'.

metabuilding ABOUT DIGITAL TOOLS FUNDING OPPORTUNITIES LOG IN SIGN UP

metabuilding

Metabuilding Registration

Become a registered METABUILDING follower and access funding opportunities, digital tools to support innovation initiatives and a wide network of innovation stakeholders.

Username

First Name

Last Name

E-mail Address

Password

QUESTIONS & ANSWERS

[www.metabuilding.com/](http://www.metabuilding.com/)



Thank you for your kind attention

[www.metabuilding.com](http://www.metabuilding.com)



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