



Unleashing the innovation potential of EU construction SMEs

2nd GROW / HARVEST CALL Presentation

10/03/2022



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.



A PROJEKT

Az épített környezet ágazatban működő kkv-k innovációs finanszírozása és támogatása



- Az innováció beillesztése az építőipari ágazat „hagyományos” értékláncába.
- Kiterjesztés más iparágakra, hogy egy kibővített Épített Környezet ipari ágazatot hozzon létre.
- Annak lehetővé tétele, hogy a kkv-k nemzetközivé tegyék tevékenységeiket és elérjék az európai piacokat.
- A modern építőipari innovációs ökoszisztéma megszilárdítása és bővítése, amelyet egy közös digitális nyílt innovációs platform támogat.

A kibővített épített környezetvédelmi ágazat kkv-i



Több mint 6.000 kkv-nak a meta-klaszterek révén történő elérése



Ágazatközi, határokon átnyúló együttműködés támogatása



6 célország:

Ausztria · Franciaország · Magyarország
Olaszország · Portugália · Spanyolország

AZ INNOVÁCIÓ FINANSZÍROZÁSA

3,75 millió EUR a kkv-k innovációs támogatására, melyből 2,7 millió EUR pályázaton elnyerhető

Single SME

SEED



Projekt ötletek / innovációs lehetőség megvalósíthatóságának vizsgálata

60 Innovációs csekk

Legfeljebb 5.000 € / SME

Szolgáltatás kifizetése (rövid beavatkozás)

Collaborative Projects (min. 2 KKV)*

GROW



Új technológiák fejlesztése (TRL 3 - 5)

HARVEST



Technológiatranszfer más ágazatokból / országokból (TRL 6 - 9)

40 Együttműködési projekt

Legfeljebb 60.000 € / project

Együttműködési projektek - 6 hónap

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



Eddigi eredmények

Támogatott magyar KKV-k

1. SEED call (5.000 EUR)
159 uniós pályázó => 30 nyertes (19 %)
9 magyar pályázó => 3 nyertes (33 %)



1. GROW & HARVEST call (60.000 EUR)
87 uniós pályázat (201 KKV) => 16 nyertes (18 %)
4 magyar pályázat + 2 partneri (7 KKV részvétele) => 0 nyertes

2. SEED call (5.000 EUR)
46 uniós pályázó => 30 nyertes (65 %)
1 magyar pályázó => 1 nyertes

(eredményhirdetés 03.25)

2. GROW & HARVEST call (60.000 EUR)
=> 24 nyertes
most következnek ...



METABUILDING PLATFORM



ABOUT

DIGITAL TOOLS

FUNDING OPPORTUNITIES ▾

LOG IN

SIGN UP



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.

COMING SOON



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 linked to the European Construction Technology Platform: 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 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

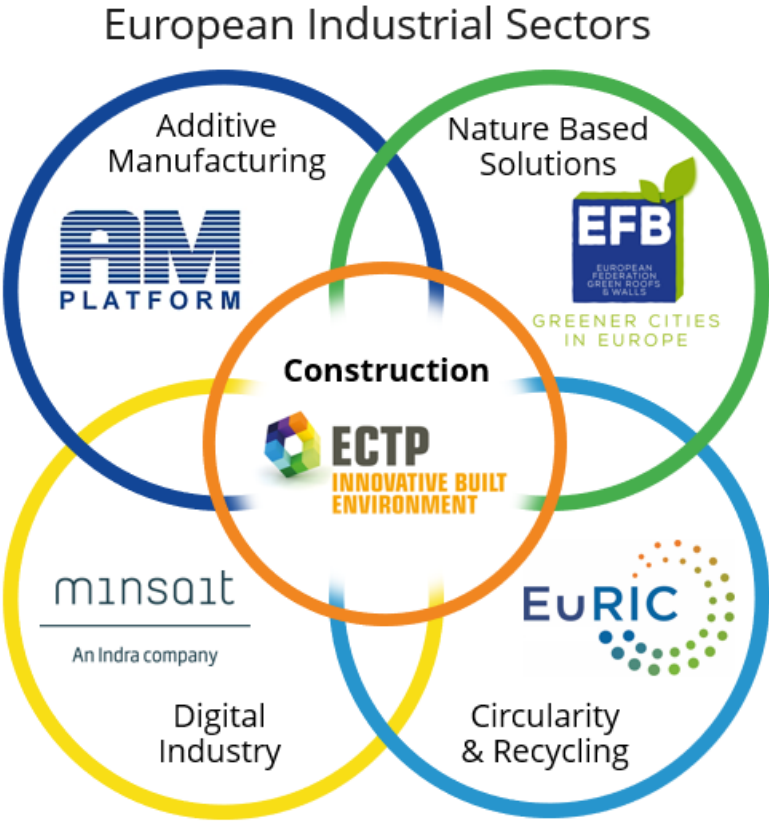
MAIN TARGET GROUPS & COUNTRIES



SMEs of the Enlarged Built Environment Sector



Bring innovation to the construction sector



Through cross-sectoral, cross-border collaboration



6 target countries

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)

At least 16 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.

Innovation Stakeholder Group



metabuilding ABOUT **DIGITAL TOOLS** FUNDING OPPORTUNITIES LOGIN SIGN UP

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COMING SOON



Innovation Stakeholder Directory

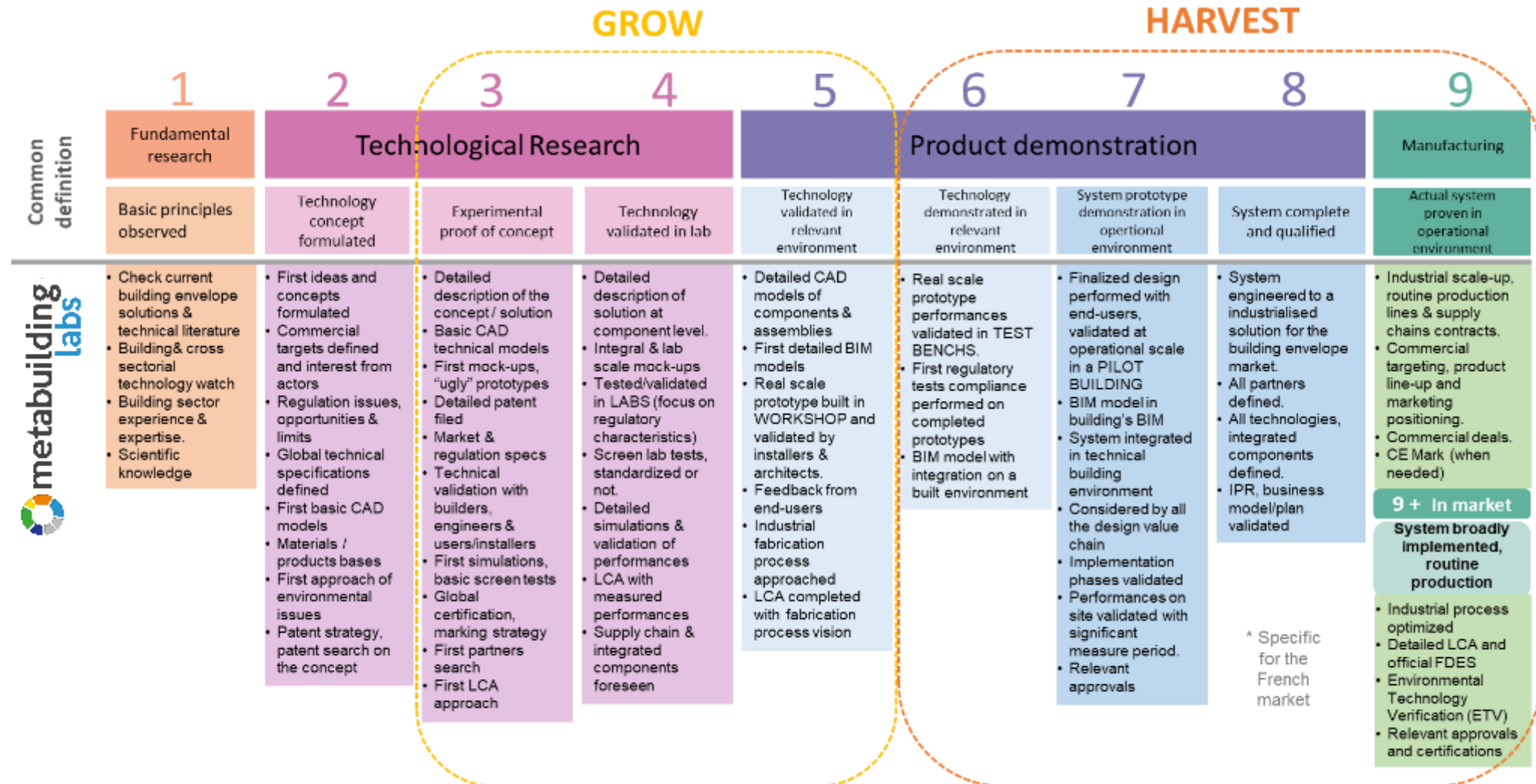
Search:

Logo	Company	Website
	Adivet	www.adivet.net
	AIDIMME-Metal processing, Furniture, Wood, Packaging an Related Technological Institute	en.aidimme.es

Showing 1 to 124 of 124 entries

SCOPE OF THE 2nd 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.

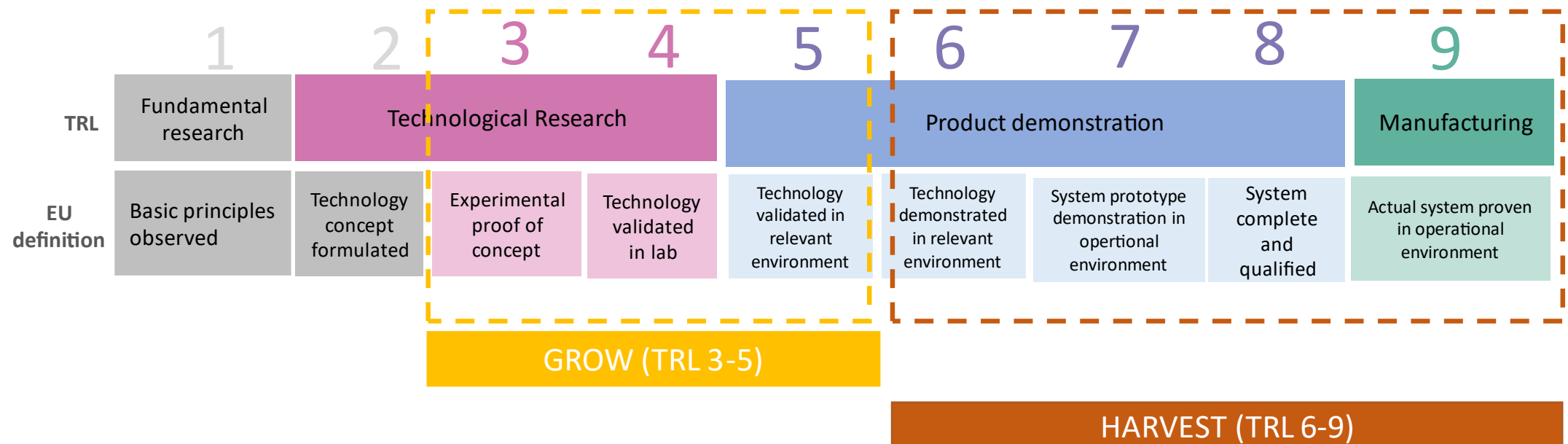
To qualify for funding, collaborative projects have to focus on activities belonging to technology readiness levels (TRLs) between 3 and 9 leading to one of the following outcomes:

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.



APPLICATION FORM

Sectors, challenges and outcomes

Related Industry sectors

Related Industry sectors

- Digital Industry
- Additive Manufacturing
- Nature-based Solutions
- Circularity and Recycling

Cross-sectoral challenges covered

(Please select **ONLY** one challenge and one topic)

- 1. **Construction-ICT** (optional)
- 2. **Construction-Nature-based solution** (optional)
- 3. **Construction-Recycling and circular economy** (optional)
- 4. **Construction-Additive Manufacturing** (optional)

Outcomes of collaborative projects

Please indicate the type of outcome of your collaborative project (**GROW or HARVEST**)

TRL= Technology Readiness Level

GROW: TRL 3 to 5 (optional)

TRL3 – TRL5:

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

HARVEST: TRL 6 to 9 (optional)

TRL6 – TRL9:

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

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

APPLICATION FORM

Start here	Applicant Information GH	Sectors, challenges and outcomes GH	Project proposal GH	Service provider GH	Declarations GH	Check
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3	Increase yearly productivity				
4	Reduction of expenses				

PROJECT IMPLEMENTATION


a. Quality of the project team and organisation 0 / 500 words

- Please provide a short description of the participants (including service providers and eventual other participant not receiving funding)
- Please explain the role that each participant will have in the project and its importance

b. Quality of the overall implementation approach and work plan

Please outline in short the overall implementation approach and the structure of the work plan using the template

Please upload here the completed implementation table (Work plan and budget) as pdf file


Drag your file here
or
Select file

The template available to download in: <https://www.metabuilding.com/grow-harvest-call>
Please as pdf file only



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.

Statistics from the 1st GH call



Challenge	not eligible	low score	waiting list	awarded	TOTAL	
Additive Manufacturing	3	6	1	2	12	17%
ICT	1	27	4	7	39	18%
Nature Based Solution	2	10	2	3	17	18%
Recycling	1	12	2	4	19	21%
TOTAL	7	55	9	16	87	

TRL		
GROW	TRL 3-5	33
HARVEST	TRL 6-9	54
		87



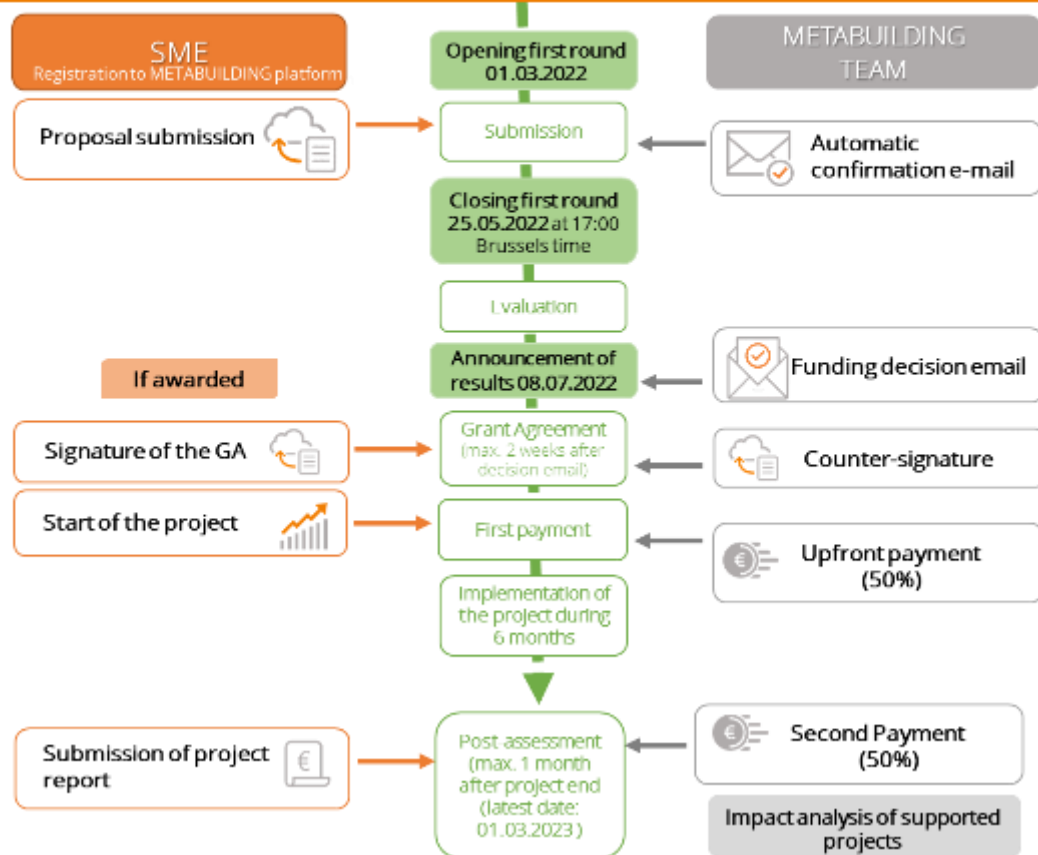
APPLICATION PROCESS & TIMELINE

APPLICATION

Submit an application: How, when and where?



GROW/HARVEST projects: Application and implementation steps and timeline



TIMELINE SECOND ROUND

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

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



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COMING SOON

GROW / HARVEST CALL FAQs available here: www.metabuilding.com

GROW/HARVEST Partner Search



How to find a partner SME from another country?

www.metabuilding.com

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 IN HUNGARY



We are here to support you

Hungary

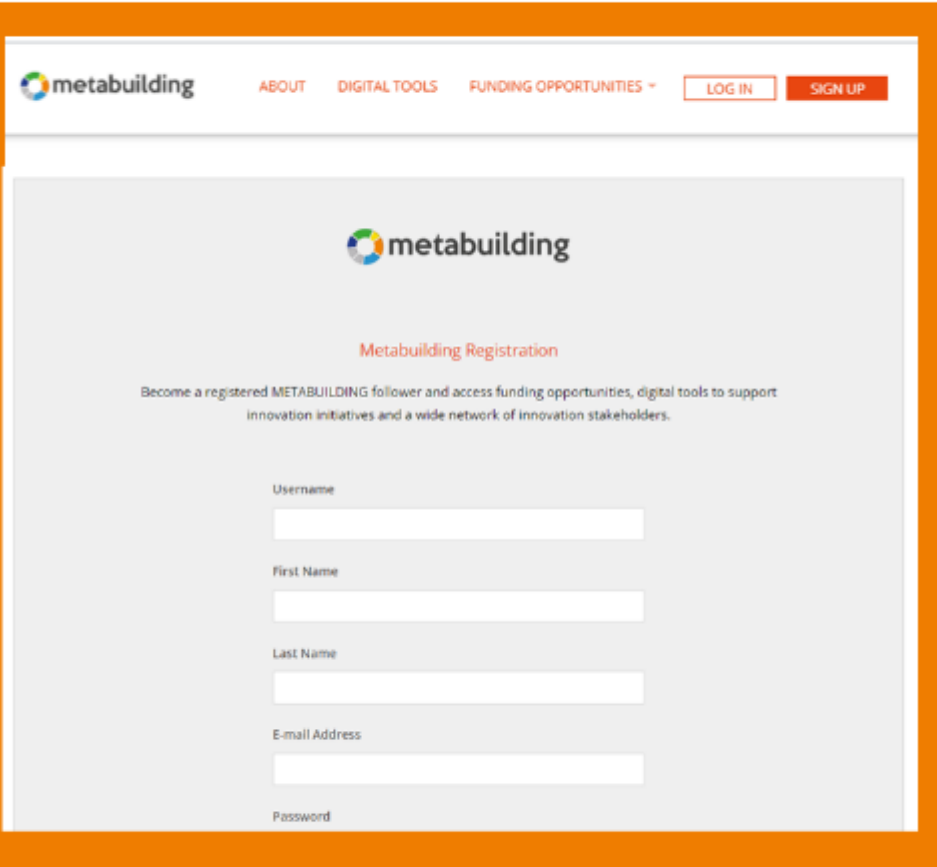
Contact : Robert Nemeth

E-mail : helpdesk-hungary@metabuilding.com



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

Sign-up and become part of the
METABUILDING ecosystem !

A screenshot of the Metabuilding website's registration page. The page features a navigation bar at the top with the Metabuilding logo, links for 'ABOUT', 'DIGITAL TOOLS', and 'FUNDING OPPORTUNITIES', and buttons for 'LOG IN' and 'SIGN UP'. The main content area is titled 'Metabuilding Registration' and includes a brief description of the benefits of registration. Below this, there are five input fields for registration: '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/



Thank you for your kind attention

www.metabuilding.com



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