DIGITBRAIN

1st Webinar on the 2nd DIGITbrain's Open Call (2022)

Introduction to the webinar, 2nd Open Call Details and Cascade Funding Mechanisms

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Purpose & Agenda

Give you an overview on the DIGITbrain's 2nd Open Call Process and prepare you for the application.
By learning what DIGITbrain is about, which are the expected use cases and what other SMEs like you are gaining through the project, you will better **hit the narrow target** of the Open Call.

- Welcome | 2° Open Call Details and Funding Mechanisms - Dr Giacomo P. Benedetti, Project Manager at START4.0, Leading DIGITbrain's DIHs Network - (5 Min.)

- DIGITbrain Project overview - Dr Antonio M. Ortiz, DIGITbrain Project Coordinator, PNO Consultants - (5 Min.)

- Which experiments/use cases are we looking for? - Prof Dr André Stork, Head of Competence Center for Interactive Engineering Technologies, Fraunhofer IGD and Scientific Coordinator of DIGITbrain Project - (10 Min.)

- Experiences from «Wave 2» Experiments End-users (SMEs selected in the 1st Open Call)

  - Mauro Viscardi, Project and Innovation Manager at Cosberg Spa - DIGITBREAK experiment (10 Min.)
  - Zsolt Pásztor, CEO at Premet Ltd - ProMED experiment (10 Min.)

- Q&A session (20 Min.)

Etiquette

1. Due to the large number of attendees, all participants will be muted;

2. Participants are free to ask questions through the chat;

3. Questions will be then addressed during the Q&A session following panelist's presentations, as scheduled;

4. Should you have new questions arising at the end of this webinar, drop us a line at any time at opencall@digitbrain.eu;

5. If you have any technical issues, please use the chat to seek advice from the host (Paul Krishnan).

PLEASE NOTE: THE WEBINAR IS BEING RECORDED

The recording will be made available via the FundingBox and the DIGITbrain websites

A word on cascade funding mechanism

- In simple terms, these are Open Calls run by individual EU projects funded under Horizon 2020. Money is hence 'cascaded' from the Commission to the Project and then to successful participants in the Open Calls

- Officially called **Financial Support to Third Parties (FSTP)**, being "Third Party" the legal definition of applicants

...that means YOU!

Why cascade?

- Application is much simpler and shorter (it is not a secret that Horizon 2020 is difficult to access for SMEs and Mid-caps);

- Much shorter time also to receive grants: ~2 months, being funding organized and provided through the intermediary role of an Innovation Action (such as DIGITbrain), which makes the evaluation process quicker and effective;

- Shorter term sub-projects (in our case 12 months) with immediate results;

- No need for 3 countries participation (although we strongly encourage cross border experiments);

- Ensuring typically €50k to €300k (in our case up to 97,800 EUR) equity-free funding.

Find opportunities

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Stay tuned on our website

I4MS

Dive into the portal that aggregates all the projects opportunities falling within the "Innovation 4 Manufacturing SMEs" Initiative of the EC

European Commission | Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

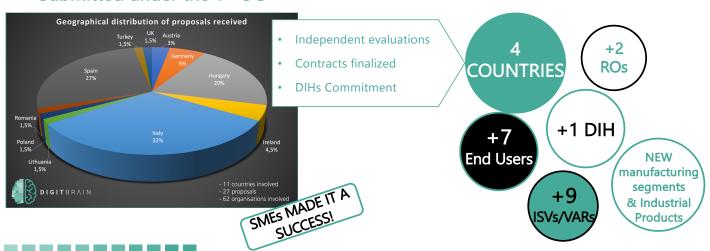Widen your search by visiting regularly the EC website on competitive calls

Now, let's get into DIGITbrain's ones!

Last year's Open Call was a success!
27 Proposals
Submitted under the 1st OC

Geographical distribution of proposals received

Turkey 1,5%
UK 1,5%
Austria 3%
Germany 6%
Spain 27%
Hungary 20%
Romania 1,5%
Poland 1,5%
Lithuania 1,5%
Italy 32%
Ireland 4,5%

DIGITBRAIN

- 11 countries involved
- 27 proposals
- 62 organisations involved

- Independent evaluations
- Contracts finalized
- DIHs Commitment

SMEs MADE IT A SUCCESS!

4 COUNTRIES

+2 ROs

+1 DIH

+7 End Users

+9 ISVs/VARs

NEW manufacturing segments & Industrial Products

Last year's Open Call was a success!

Wave 2 Experiments triggered and on track

DITAC	DIgital Twin for Agile Changes
COATWIN	Optimization of the energy consumption and operation of a coil coating industrial line
DT4DRYER	Digital Twin for Rotary Dryers
ProMED	Production optimization for additive manufacturing of medical devices
DRIVEN	Digital Brain for predictive maintenance in automotive sector
3D_BRAIN	Smart Digital Twin based 3D Printing Process Reliability Assurance Add-on enhanced with Cloud based iterative learning
DIGITBREAK	Digital Twin to optimize design of cars brake system assembly line

Last year's Open Call was a success!

Wave 2 Experiments triggered and on track

Experiment	DIH	End User	ISV	VAR/RTO/DIH
		Partners		
Experiment 1 - DITAC	START 4.0 🇮🇹	Restart 🇮🇹	IDM Systems 🇭🇺	CNR-IMATI 🇮🇹
Experiment 2 - COATWIN	DIGIT 🇩🇰	Replasa 🇪🇸	Teknopar 🇹🇷	
Experiment 3 – DT4DRYER	ITAINNOVA 🇪🇸	Prodesa 🇪🇸	Electro 🇪🇸	Memorandum Univ. Zaragoza 🇪🇸🇪🇸
Experiment 4 - ProMED	Innomine 🇭🇺	Premet 🇭🇺	Opendot 🇮🇹	CNR-IMATI 🇮🇹
Experiment 5 - DRIVEN	SMACC 🇫🇮	AUTOFREN 🇪🇸	LIS 🇪🇸	
Experiment 6 – 3D BRAIN	IMR 🇮🇪	SAVVY 🇪🇸	BCN3D 🇪🇸	IDEKO 🇪🇸
Experiment 7 - DIGITBREAK	START 4.0 🇮🇹	COSBERG 🇮🇹	EnginSoft 🇮🇹	MADE I4.0 🇮🇹

Let's get into DIGITbrain's 2nd Open Call
What's in it for you

o Budget available for this 2nd Open Call: ~ 684,600 EUR

o Number of experiments to be selected: 7 (meaning up to 97,800 EUR per experiment)

o Who can apply and become a "Third Party"?

Min. 1 main beneficiary

- End-users (manufacturing companies)

COMPULSORY

Min. 1 Technical Partner

- Independent Software Vendors (ISV)
- Engineering or Software Consultants (VARs)
- High-Performance Computing (HPCs)
- Other DIHs (only if constituted as **registered companies**)

WHAT WE STRONGLY ENCOURAGE?
- Women-led SMEs;
- n° of SMEs/mid-caps (the larger, the better);
- Cross-border links.

Only SMEs and mid-cap companies are entitled to became Third Parties in the 2nd Open Call

All shall be established in EU Member States, <u>Associated Countries</u> or the UK

CHECK DEFINITION <u>HERE</u>!

Let's get into DIGITbrain's 2nd Open Call
What's in it for you – other clues on the funding structure

- The **maximum amount for financial support** must not exceed **60,000 EUR per Third Party**, covering eligible costs generated during experiment's lifetime (e.g: direct personnel costs, indirect costs, sub-contracts)

- No Third Party is allowed to have received more than 100,000 EUR from Horizon 2020 I4MS and SAE Open Calls

- The maximum financial contribution from DIGITbrain project will be calculated applying these **reimbursement rates**:

  - 100% funding of eligible costs for non-profit legal entities;

  - **70% funding** of eligible costs, for anyone else.

- The contract for carrying out the work described in the proposal will be signed between the applying consortia and DIGITbrain's cascade funding manager together with the commitment of the DIHs

Let's get into DIGITbrain's Open Calls

o What application experiments we seek to support?

- Stemming from (and applicable to) any segments in the manufacturing sector at large, including (but not limited to) discrete manufacturing, continuous production, or construction;

- Modelled and simulated using Digital Twins and Artificial Intelligence-based mechanisms so that during the experiment's execution, data, models, and algorithms are incorporated and validated in the DIGITbrain testbed.

- Expecting to model behaviour of an Industrial Product (manufacturing machine, line or mechatronic system) with the means of a Digital Twin, while demonstrating benefits in different phases of the life cycle of this Industrial Product, its adaption and/or evolution to next generations one.
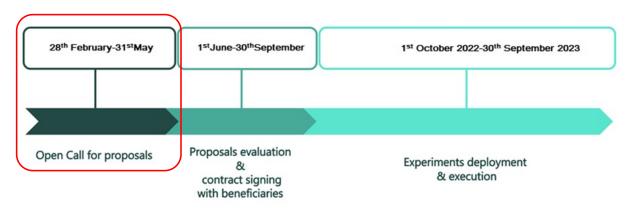
Innovative use cases are sought!

NOT EXHAUSTIVE

- ✓ Distributed cross-site workload based on dynamic capacity planning;
- ✓ Self-preserved predictive maintenance;
- ✓ Remote steering and optimisation of industrial products;
- ✓ LCA-driven optimization of industrial product and/or processes in terms of energy efficiency and/or circularity

Let's get into DIGITbrain's Open Calls
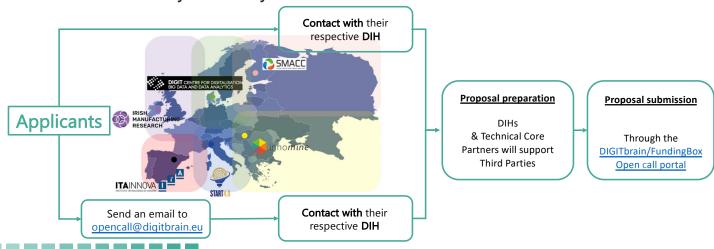## 2nd Open Call Timeline (2022)

28th February-31st May	1st June-30th September	1st October 2022-30th September 2023
Open Call for proposals	Proposals evaluation & contract signing with beneficiaries	Experiments deployment & execution

Keep in mind these dates!

Let's get into DIGITbrain's Open Calls
2nd Open Call Process

○ From **28th February** to **31th May 2022**

Applicants

Contact with their respective **DIH**

Send an email to opencall@digitbrain.eu

Contact with their respective **DIH**

Proposal preparation

DIHs & Technical Core Partners will support Third Parties

Proposal submission

Through the DIGITbrain/FundingBox Open call portal

Let's get into DIGITbrain's Open Calls
Prepare your application: "must read" documents

Covering from requirements to be met by proposed application experiments up to funding and budgeting rules, including details on proposal evaluation and selection process, as well as DIHs contacts

Project's overview and insight to technical staff of the consortium proposing an application experiment, in compliance with the implementation stages of the DIGITbrain solutions themselves

Guide for Applicants (PDF)	Proposal Template (PDF)	Short Tech Document (PDF)	Other Documents (Zip folder)

Mainly addressing compliance with EC rules and recommendations regarding FSTP

GET YOUR DOCUMENTS HERE!

Let's get into DIGITbrain's Open Calls
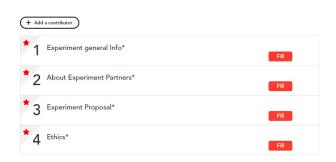## Prepare your application: join the portal & submit

https://digitbrain-2nd-open-call.fundingbox.com/apply

Your applications to DIGITbrain 2nd Open Call

Here you will find the applications you have started or submitted.
Make sure you submit your applications before the deadline in 3 months.

Start a new application

+ Add a contributor

1 Experiment general Info*   Fill

2 About Experiment Partners*   Fill

3 Experiment Proposal*   Fill

4 Ethics*   Fill

31st May 2022, at 17:00h (Brussels local time)

Let's get into DIGITbrain's Open Calls
What's in it for you – some perks beyond funding

o Support is not just about money...

- Several DIGITbrain's experiments saw the light thanks to a DIHs-led active exercise to match end-users looking for a technical partner to solve their problem statements with an ISV from another Member State: that means triggering cross-border cooperation with new potential markets openings on both sides;

- Piloting opportunities to enhance end-users competitiveness and customers satisfaction, while helping developers exploring new value streams for close-to-market solutions;

- Gaining new local-national-EU wide visibility along Project's dissemination activities;

- Accessing free business coaching and mentorship to exploit your experiment results;

- Networking with industry leaders and joining a wide community, while showcasing digital assets in the DIGITbrain's emGORA Workspace.

Thank you for your interest!

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