



DIGITBRAIN

DIGITBrain Project

Introduction of the Open Call Opportunity

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Vezető tanácsadó

Innomine Group



DIGITbrain has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 952071



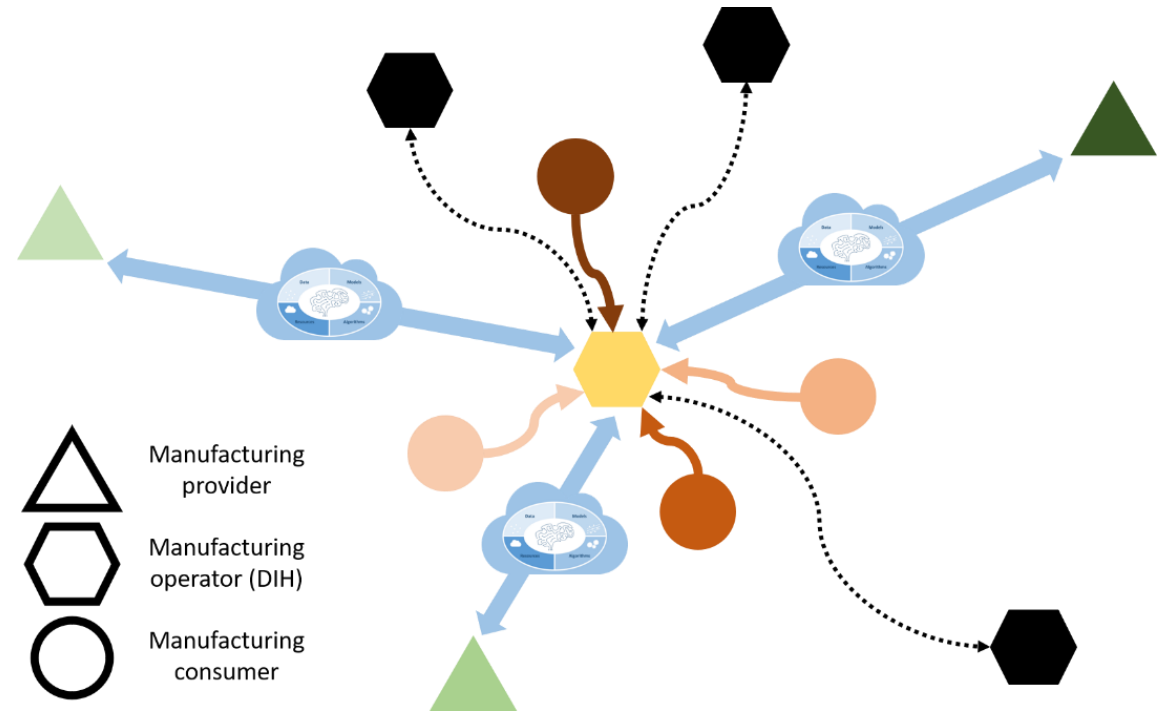
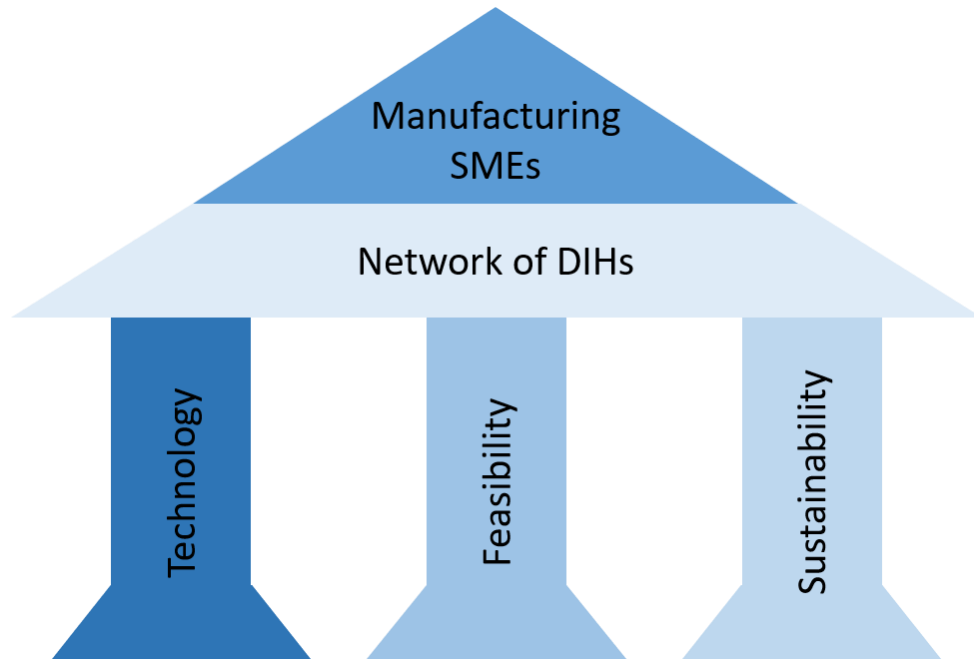
DIGITbrain – in brief



- DIGITbrain is an EU innovation program to give SMEs easy access to digital twins. **A Digital Twin is a computer-based application/simulation:**
 - Mimics the **real production line** of a company
 - **Runs in parallel** with the real manufacturing process
 - Using this Digital Twin, **companies can rationalize the manufacturing process**
 - **Makes predictions** regarding expected machine failures
 - Can **predict maintenance needs**
- Duration: July 2020 – December 2023 (42 months)
- Type of action: Innovation Action
- Offer **two opportunities (Open Calls) for another 35-40 companies to join** and receive funding from the European Commission.



DIGITbrain approach



The DIGITBrain consortium – 36 partners from Europe



Core technical and administrative partners



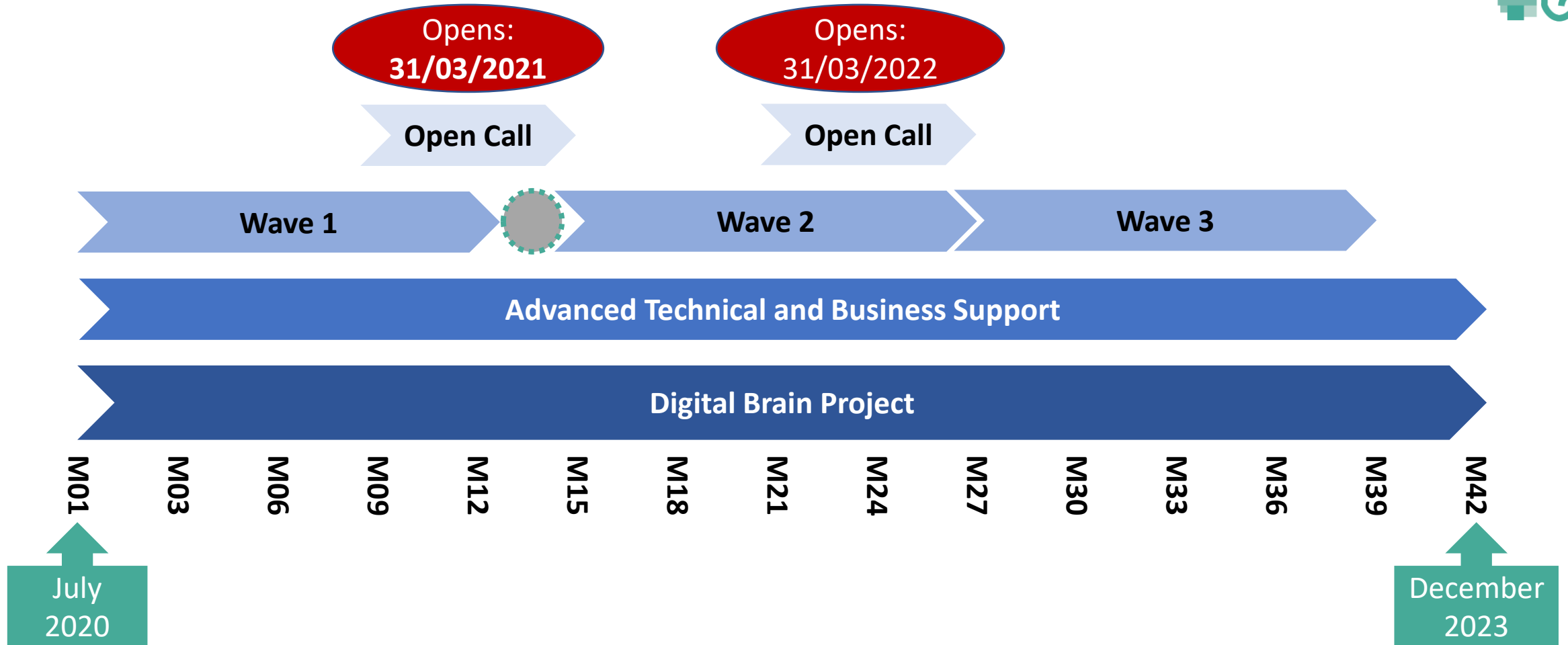
Experiment partners



Network of DIHs



DIGITbrain planning



03/03/21



Key Call Details



- Project full name:** Digital twins bringing agility and innovation to manufacturing SMEs, by empowering a network of DIHs with an integrated digital platform that enables Manufacturing as a Service (MaaS)
- Call opening:** 31th March 2021, 10:00h (CEST Time)
- Submission Deadline:** 30th June 2021, 17:00h (CEST Time)
- Expected duration of participation in experiments:** 12 months
- Total EC funding available for third parties in DIGITbrain-OC1:** up to 700.000 EUR financial support for Third Parties. DIGITbrain considers that proposals requesting a contribution up to 100,000 EUR per experiment would allow the specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.
- Maximum amount of financial support for each Third Party:** 60,000 EUR
- Language in which proposal should be submitted:** English
- Email address for further information:** opencall@digitbrain.eu



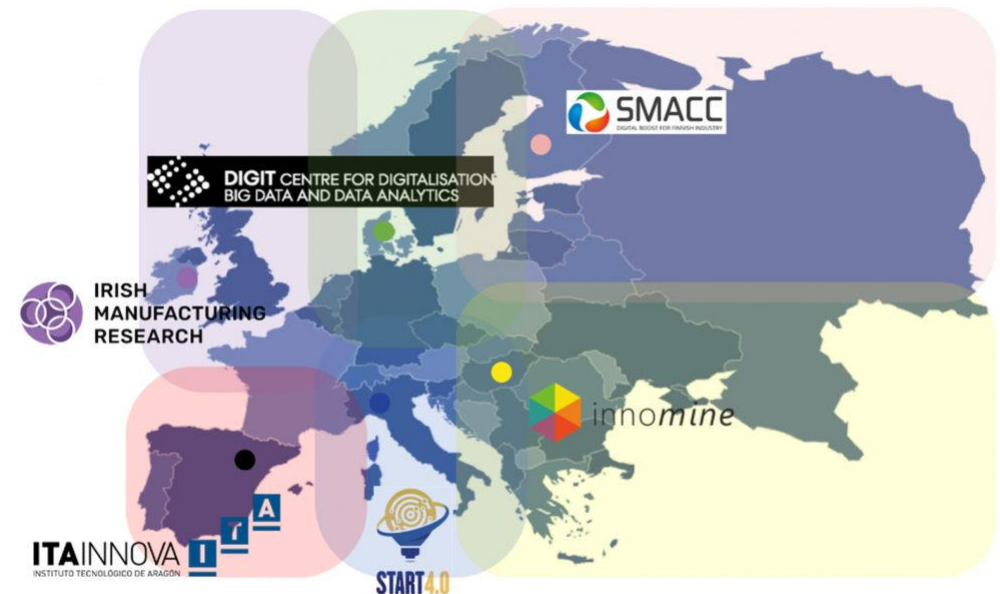
Experiment consortium



The minimum number of partners in an experiment consortium must include:

- ❑ One **End User** (SME and mid-cap manufacturing companies) and
- ❑ One **Technical partner** acting as ISV, engineering or software consultant, Research Organization, High-Performance Computing (HPC) providers.
- ❑ Digital Innovation Hub

In order to maximise the impact of the experiments, **each experiment is accompanied by a Digital Innovation Hub (DIH)** which will provide help from *proposal writing to the implementation* of the experiment.



Regional coverage of the Network of DIHs in Europe.



Expectations from experiments



Grounding on the Digital Twin concept:

- ❑ Creating customised industrial products
- ❑ Facilitating cost-effective distributed and localised production
- ❑ Leveraging cloud and HPC – based modelling, simulation, optimisation, analysis and machine learning tools
- ❑ Covering the development and uptake of digital technologies

Experiments will cover **any segments in the manufacturing sector** at large, including (but not limited to) discrete manufacturing, continuous production, or construction

The project collects 14 highly innovative cross-border experiments by two Open Calls, bringing together technology providers and manufacturing end-users to perform experimentation, in order to validate the DIGITbrain solution.



Evaluation and selection of proposals



Proposal selection process

- The board of **two independent experts** will be complemented by a representative of the **Core Coordinating Committee** to oversee all proposals and to ensure maximum complementarity and impact of the proposals best ranked by the external experts.
- **Evaluation board** for each proposal:
 - Two Independent Experts (**two votes**, one vote each). → External evaluator
 - **One representative** of the core Coordinating Committee (**one vote**). → Internal evaluator

More details about the selection and evaluation criteria:

19 March 2021 – please sign in to our next workshop!



Further information:



Digitbrain Open Call Official Announcement: <https://digitbrain.eu/open-calls/>

Digital Innovation Hubs: <https://digitbrain.eu/digital-innovation-hubs/>

Save the Date! - April 20th, 2021 - 11:00h AM (CEST): [Registration for the first Webinar](#)

STAY UP-TO-DATE

Are you interested in becoming a part of the project?
Register for our newsletter and stay up to date!



Register

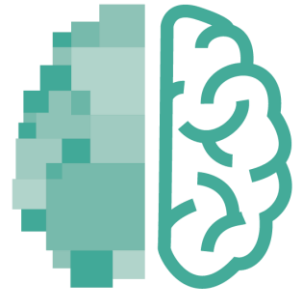
Or write us an e-mail, if you have any further questions!

We're happy to be there for you!



E-Mail





DIGITBRAIN

Thank you for your interest!

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