HUBCAP
Digital Innovation HUBs and Collaborative Platform for Cyber-Physical Systems

Newsletter 2 April 2021

HUBCAP Newsletter

Call #3 INNOVATE Launch!

Our INNOVATE call launches 1st April 2021!

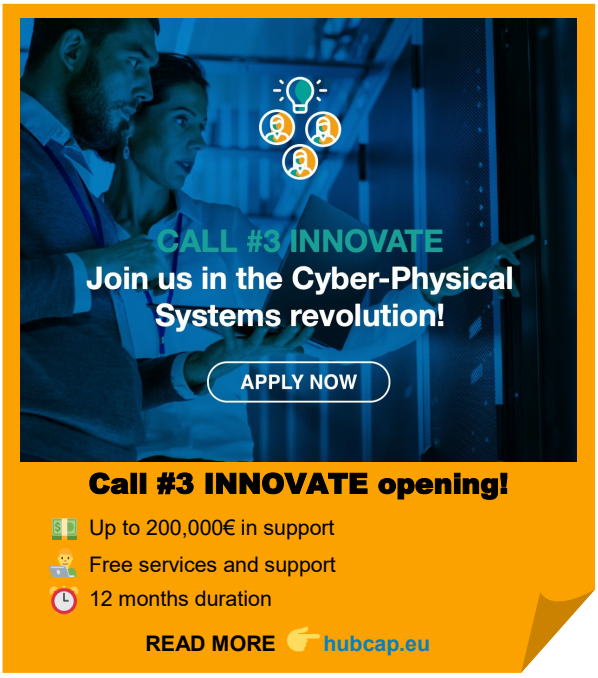
INNOVATE will support SMEs wanting to develop innovative Cyber-Physical Systems (CPSs) using Model-Based Design (MBD), by offering access to up to €200,000 towards projects proposed by consortia of 2-3 entities across Europe, using the HUBCAP Platform to support collaboration and to access novel tools.

HUBCAP offers a platform for SMEs to identify and work with technology providers and other stakeholders to raise their game in CPS design. We provide access to expertise, a network of potential collaborators, and to support funds through our open calls.

The main goal of HUBCAP Call #3 INNOVATE is to fund the development and implementation of highly innovative and challenging MBD CPS projects, which will become part of the HUBCAP flagship portfolio of success stories, enlarging the value and outreach of the HUBCAP ecosystem, models, and technologies... (Read more on page 2!)

INNOVATE will accept applications until **30th June 2021**.

In this issue:



Call #1.3 PULL

The third iteration of our Open Call #1.3 PULL will open 01/04/21! Are you a European SME working with MBD tools for CPSs? Do you have software tools or assets that could be integrated onto our cloud-based platform? Call #1.3 offers SMEs funding of €1,000 to support with the integration of HUBCAP assets. Call #1.3 will accept applications from Thursday **1st April** until Wednesday **2nd June 2021**. See our website for more details!

Contact
Prof. Peter Gorm Larsen
Aarhus University
pgl@eng.au.dk

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Call #3 INNOVATE

INNOVATE aims to fund the development and implementation of highly innovative and challenging MBD CPS Experiments, which will become the HUBCAP flagship portfolio of success stories, enlarging the value and outreach of the HUBCAP ecosystem, model and technologies. This call will finance around 10 experiments made of small consortia of 2–3 partners representing at least a tech provider/integrator and an end-user. The INNOVATE projects will have a total duration of 12-month divided in three stages: Design > Develop & Operate > Assess; along which HUBCAP will provide technology and business support to assure the highest impact. The expected result will be 10 innovative Application Experiments (AEs) by European SMEs, demonstrating the value and benefits of HUBCAP MBD CPS technologies in different industry environments.

The Open Call #3 INNOVATE will fund a consortium of two or three SMEs, namely at least one adopter SME and at least one provider SME, to innovate with MBD with the aim to create new CPS technologies solutions and/or products.

The consortium of two-three SMEs should consist of either:

A) At least one adopter SME partnering with at least one provider SME from the Call #1 PULL whose asset(s) is already on the HUBCAP platform,

B) At least one adopter SME partnering with at least one new provider SME whose asset(s) will be added to the platform as part of the project.

Call #3 INNOVATE (cont.)

The selected INNOVATE projects will have a duration of 12 months with an expected start toward the end of 2021, and are divided into three interactive phases, along which HUBCAP will provide technology and business support to assure the highest impact, namely:

Phase 1 Design: will have a duration of 2 months, During this phase projects are to be planned, detailed, and aligned with HUBCAP platform and assets. This information is included in the first deliverable. Associated with positive assessment of the deliverable, is a payment corresponding to 20% of the project budget.

Phase 2 Develop & Operate: will have a duration of 8 months. During this phase, projects will perform their technical developments. The second deliverable is a demonstration of the projects development results and its operation. Associated with positive assessment of the deliverable, is a payment corresponding to 60% of the project budget.

Phase 3 Assess: will have a duration of 2 months, During this phase, projects are to focus on assessment and exploitation of results and achievements. The third deliverable is a report on projects assessment and exploitation activities. Associated with positive assessment of the deliverable, is a payment corresponding to 20% of the project budget.

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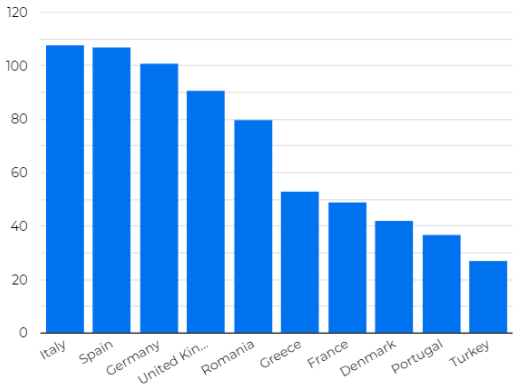
Call #1.3

Alongside HUBCAP's biggest open call INNOVATE, we are also preparing to open the third call from the PULL series as well!

The PULL open calls are targeted at SMEs who are already working with model-based design and cyber-physical systems. The goal of the PULL open calls is to enrich the catalogue of tools and models available on the HUBCAP platform. The PULL call offers SMEs funding of €1,000 to support with the integration of HUBCAP assets, as well as support services and workshops provided by our network of Digital Innovation Hubs. This offers more networking opportunities for the SMEs that have supplied us with their assets by exposing them to a new customer base. Participants in the subsequent EXPERIMENT and INNOVATE calls have the opportunity to try out and integrate a wider variety of technologies into their projects.

Applications to the PULL call series are frequently submitted from the majority of European countries (as seen below). Some of the most popular domains include IoT, safety-critical systems, transport, energy, and manufacturing.



Website traffic during Call #1.2 PULL in Europe

Call #1.2 SME Highlights

With a catalogue of 30+ assets, the HUBCAP platform includes tools, models and assets covering a variety of domains such as automotive, aviation, space, smart cities, robotics and many more! (See highlights below!)

Conductiv.ai

conductiv.ai

Conductiv.ai Process Control uses AutoML and Hybrid Modelling to create Self-Perfecting Digital Twins for hardware equipment, chemical processes and even entire production lines, enabling effortless cost & material optimization and reduction in product time-to-market.

D-RisQ

D-RisQ SOFTWARE SYSTEMS

With a focus on the software requirements and design phases of cyber-physical systems, D-RisQ's products Kapture and Modelworks, have the entire workflow covered.

With Kapture, engineers charged with writing software requirements for embedded systems are bound to have an easier and less error-prone experience. This in turn cuts down the time needed for creating correct designs, coding as well as developing all the valid test cases.

Modelworks on the other hand is likely to be very beneficial to design engineers using Simulink/Stateflow for embedded control systems by automating the process of exploring a design to ensure that it correctly represents the intent of the requirements.

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Call #1 PULL

Attracts and engages individual SMEs to join and to integrate existing CPS and MBD tools in the HUBCAP platform. To enlarge the HUBCAP ecosystem

Call #2 EXPERIMENT

Stimulates SMEs towards the adoption or improvement of CPS products & services by applying assets from the HUBCAP platform in a two-SME consortium.

Call #3 INNOVATE

Funds the deployment of new products and demonstrations of highly-innovative collaborations using the HUBCAP platform.

Upcoming Events

Call #3 INNOVATE 01.04.2021

The first INNOVATE Call opens!

Call #1.3 PULL 01.04.2021

The third in our series of PULL calls opens! Welcoming more assets onto the HUBCAP platform.

Webinars & Matchmaking

Keep up to date with webinars and matchmaking events by following us on social media!

Upcoming Open Calls

Call #3 INNOVATE

April 2021 – June 2021

Call #2.2 EXPERIMENT

November 2021 – January 2022

Call #1.3 PULL

April 2021 – May 2021

Call #1.4 PULL

September 2021 – October 2021

http://hubcap.eu/