



***FOSTERING DIHs FOR EMBEDDING INTEROPERABILITY
IN CYBER-PHYSICAL SYSTEMS OF EUROPEAN SMEs***



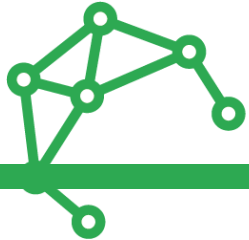


SAE CLUSTER KICK-OFF MEETING

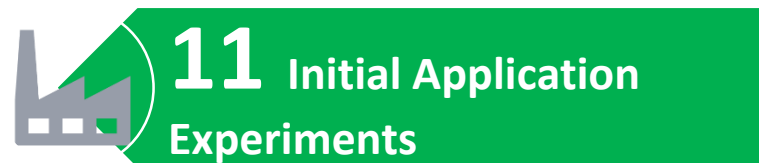
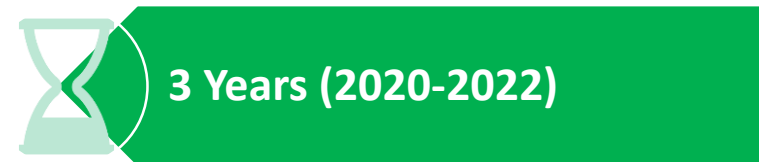
UNINOVA



DIH4CPS is funded by the European
Commission under contract 872548



PROJECT OVERVIEW

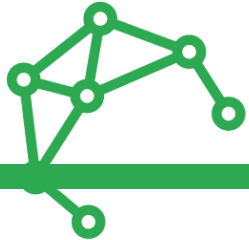




General Objective

*Supporting the Digitising European Industry Strategy that envisages that any business in Europe has access to a Digital Innovation Hub at ‘working distance’, the **DIH4CPS** vision is that every business in Europe, regardless of its industrial and geographical background, and no matter of what size can fully benefit from digital innovations*

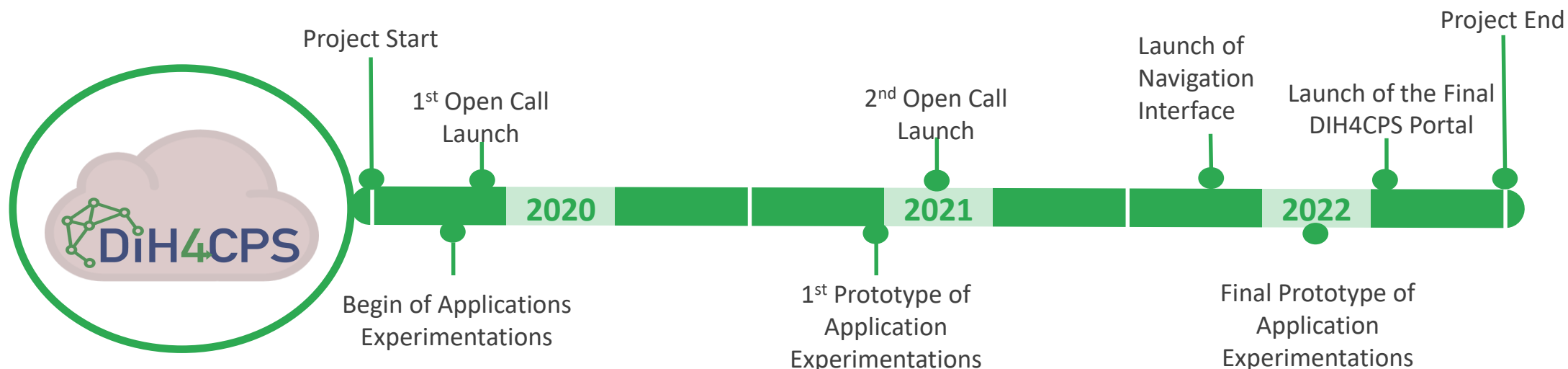


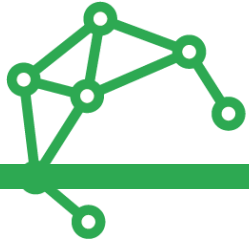


PROJECT OVERVIEW

Strategic Objectives

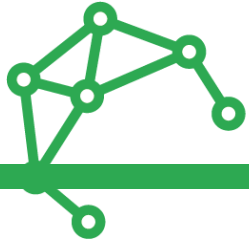
- Objective 1: *Enhance Capabilities of all European Start-ups, SMEs and Mid-Caps to Launch Innovative Products with Advanced Digital Technologies in the Field of Cyber-Physical and Embedded Systems (CPES)*
- Objective 2: *Widen and Unchain the European Ecosystem for Digital Industrial Innovations of DIHs in Cyber-Physical and Embedded Systems (CPES)*



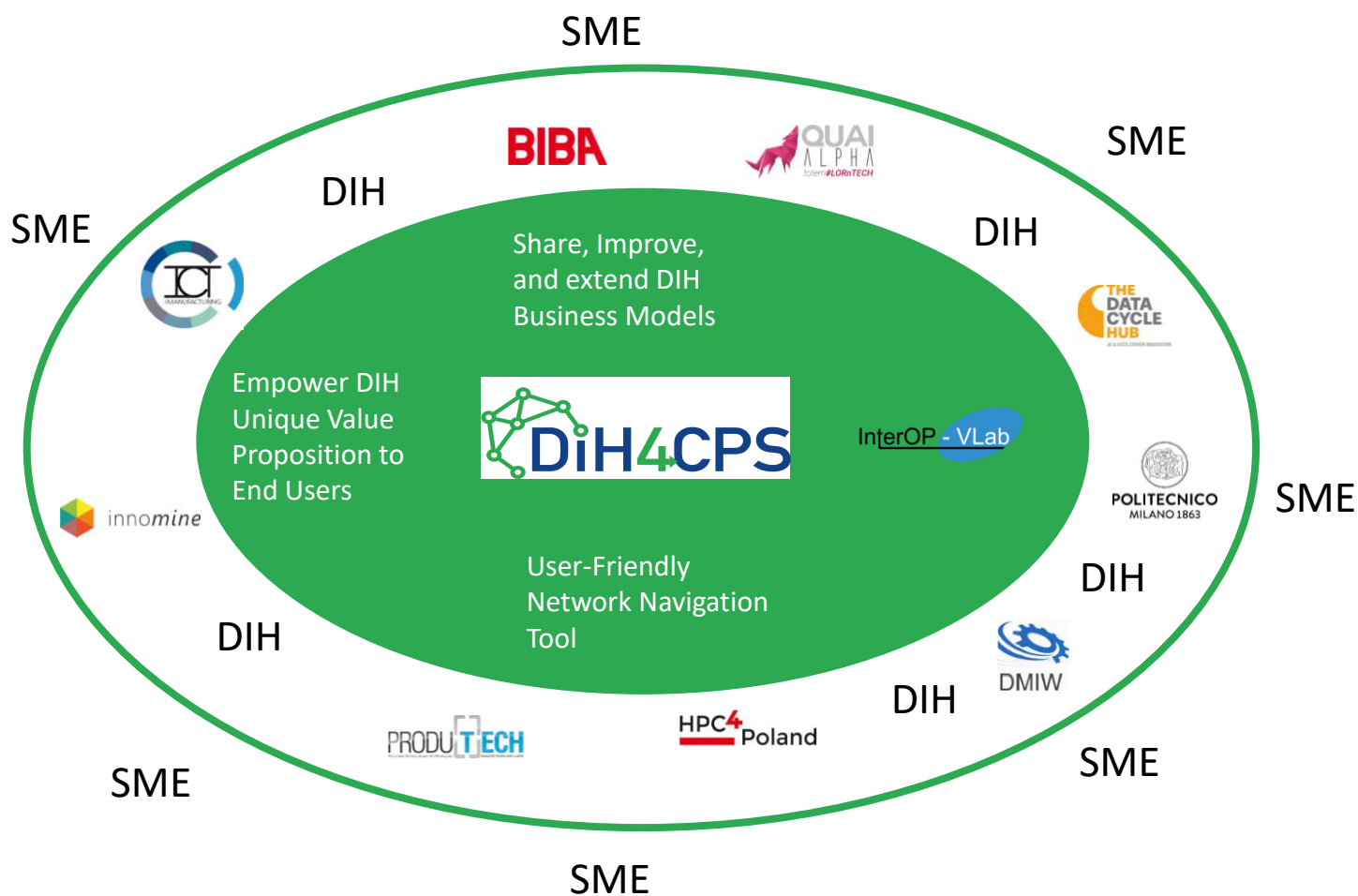


Operational Objectives

- Objective 1: *Establish and Empower a Network of Cyber-Physical and Embedded Systems focused DIHs*
- Objective 2: *Widen and Unchain the Network of Cyber-Physical and Embedded Systems focused DIHs*
- Objective 3: *Create a System for the Intelligent Navigation in the Network*
- Objective 4: *Use the DIH4CPS Network to Support Cyber-Physical and Embedded Systems Technology Uptake*
- Objective 5: *Sustain the Network and leverage Impact*



PROJECT OVERVIEW



- *The DIH4CPS Network will provide significant benefits for enrolled DIHs by shaping, improving and extending their business models and customising their offered service landscape by implementing an Ecosystem-Technology-Business service catalogue for the Embedded and Cyber-Physical System domain.*

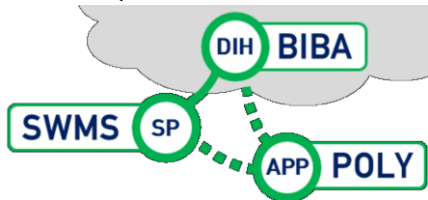




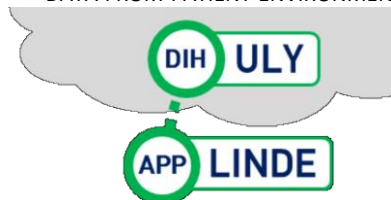
PROJECT OVERVIEW

DIH4CPS 11 initial Application Experiments (iAE)

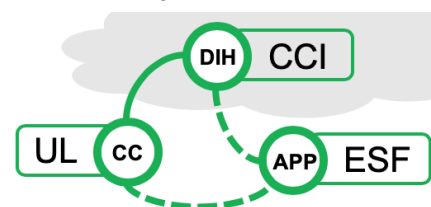
iAE 1 CPS FOR SAFE AND SUSTAINABLE AQUACULTURE FARMING



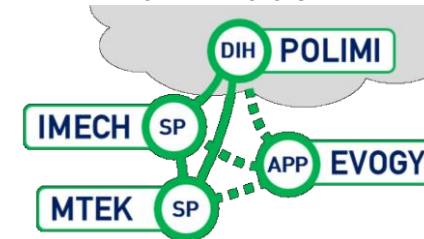
iAE 2 CPS COMPLETE CLINICAL DATA WITH DATA FROM PATIENT ENVIRONMENT



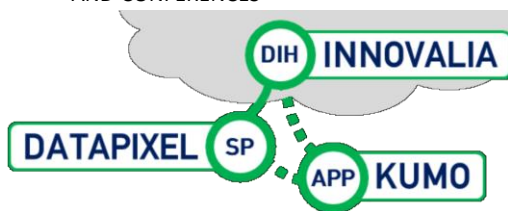
iAE 3 PERSONALISED INTERACTIVE TOURIST PLARFORM



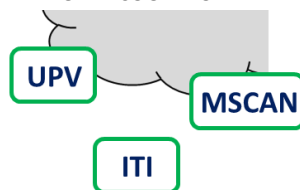
iAE 4 ENERGY MANAGEMENT IN BUILDINGS AND RESIDENTIAL SECTOR



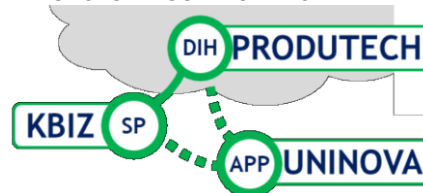
iAE 5 ADVANCED 3D AUDIO-VISUAL INSTALLATIONS FOR HOSPITALITY EVENTS, TRADING SHOWS AND CONFERENCES



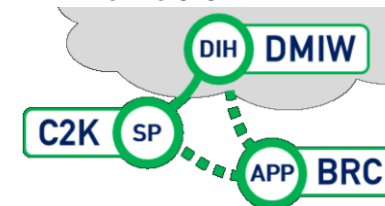
iAE 6 INCREASED PRODUCTIVITY IN OLIVE PROCESSING BY IMPLEMENTING CPS AND IMAGE RECOGNITION



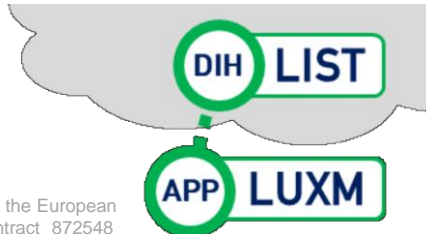
iAE 7 CPS FOR SECURITY AND WELLBEING OF SHOP FLOOR WORKERS



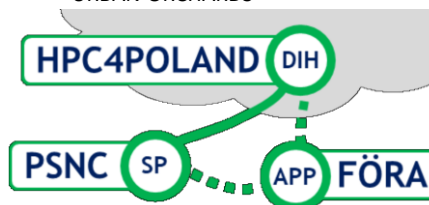
iAE 8 TRACK AND TRACE SCHEDULED PRODUCT IN AN OPEN AND HOSTILE ENVIRONMENT BY DEPLOYING CPS



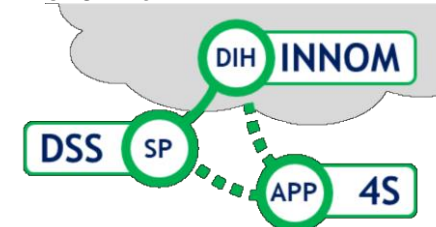
iAE 9 SMART MOBILITY USING CYBER-PHYSICAL EMBEBBED SYSTEMS



iAE 10 SENSORISED PLANTER BOXES FOR URBAN ORCHARDS



iAE 11 CAPACITY PLANNING AND PRODUCTION OPTIMIZATION FOR CUSTOM MACHINE ORDERS FOR SME'S

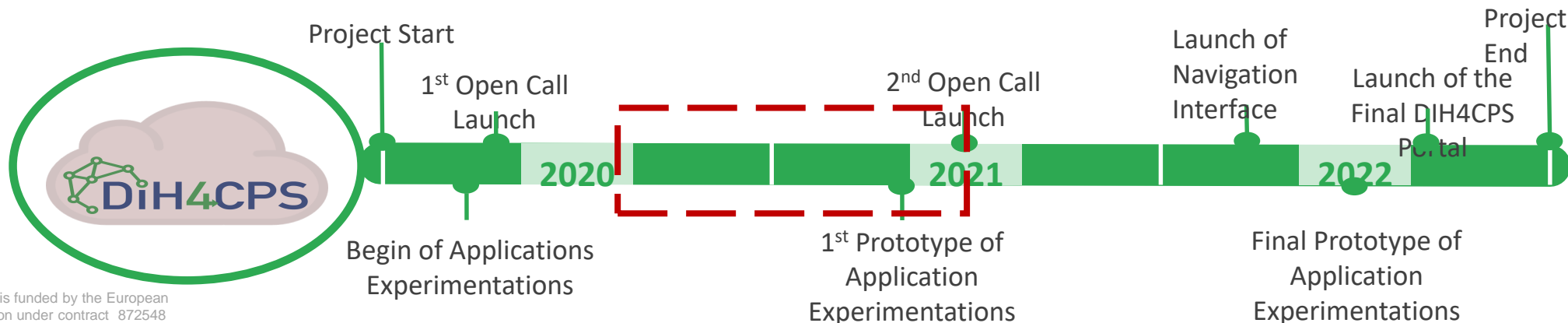




DIH4CPS IN TIMES OF COVID-19 – OPEN CALLS

- DIH4CPS Open Calls: Contribute to enhance the European economic situation from the impact of the (pos)pandemic COVID-19
- Approach for the DIH4CPS Open Call:
 - Focus on the economic enhancement pos pandemic COVID-19
 - Roadmap for recovery from pos-pandemic
 - Clear identification factors
 - Analyses of requirements (AS-IS -> TO-BE)
 - Develop CPS based solutions, with the support of the DIH4CPS digital services/tools
 - Metrics to assess and evaluate the impact
 - Synergies with other relevant projects

Description	1 st Open Call	2 nd Open Call
Call Open for proposals	April 2020	September 2021
Call Close for proposals	August 2020	January 2022
Expected funding	Up to € 185 000	€ 20 000
Total Funding	€ 1 800 000	€ 200 000
Duration of subprojects	10 Months	10 Months



The logo for DIH4CPS features a green network of nodes and lines on the left, followed by the text 'DIH4CPS' in a bold, blue, sans-serif font. The number '4' is green and has a small green arrow pointing to the right.

DIH4CPS

DIH4CPS is coordinated by



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