



EI2NETWORK NETWORK

Presenter: José Ferreira (Uninova)



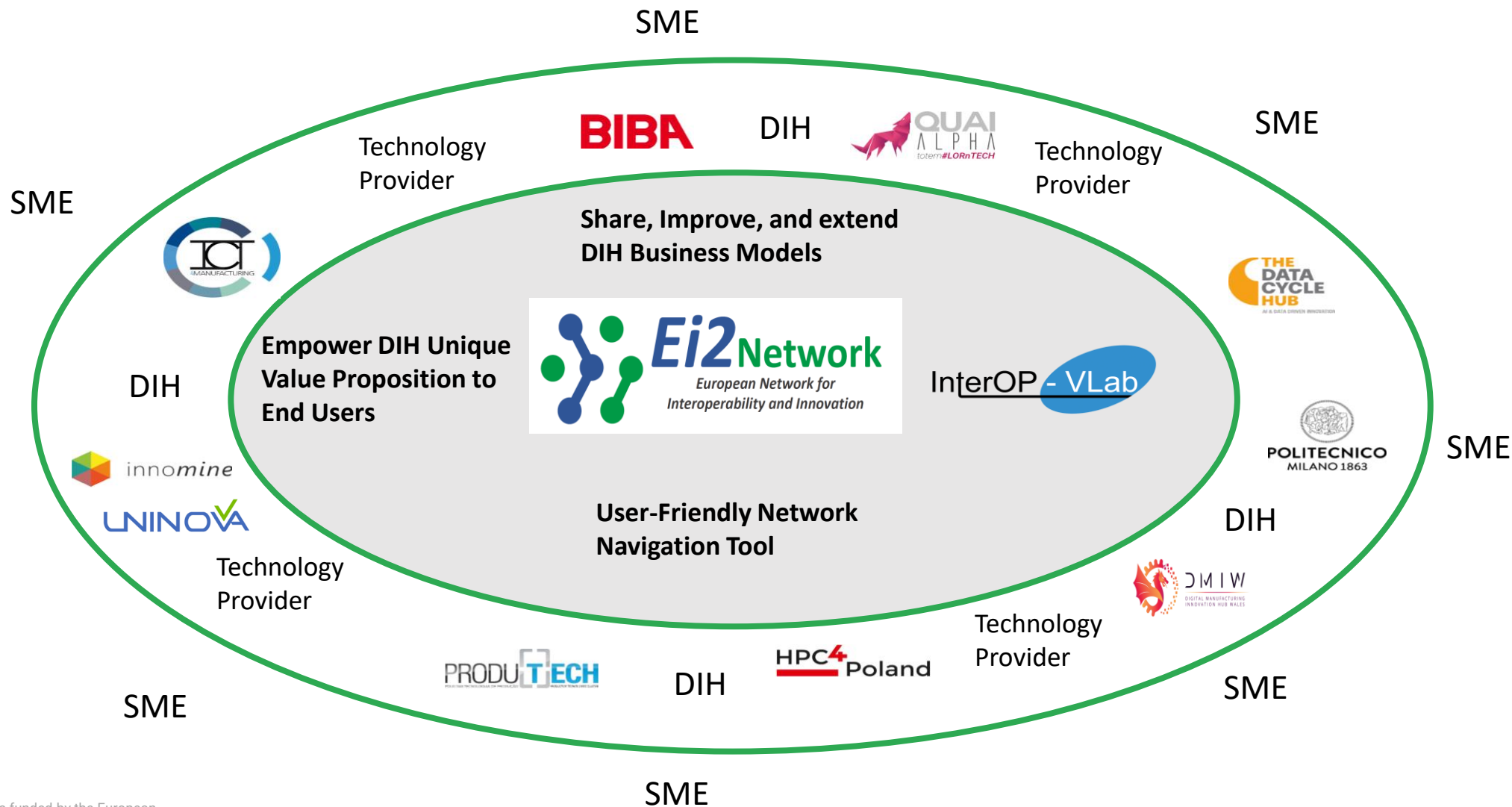
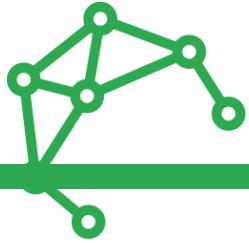
DIH4CPS is funded by the European
Commission under contract 872548



EXPECTED IMPACTS

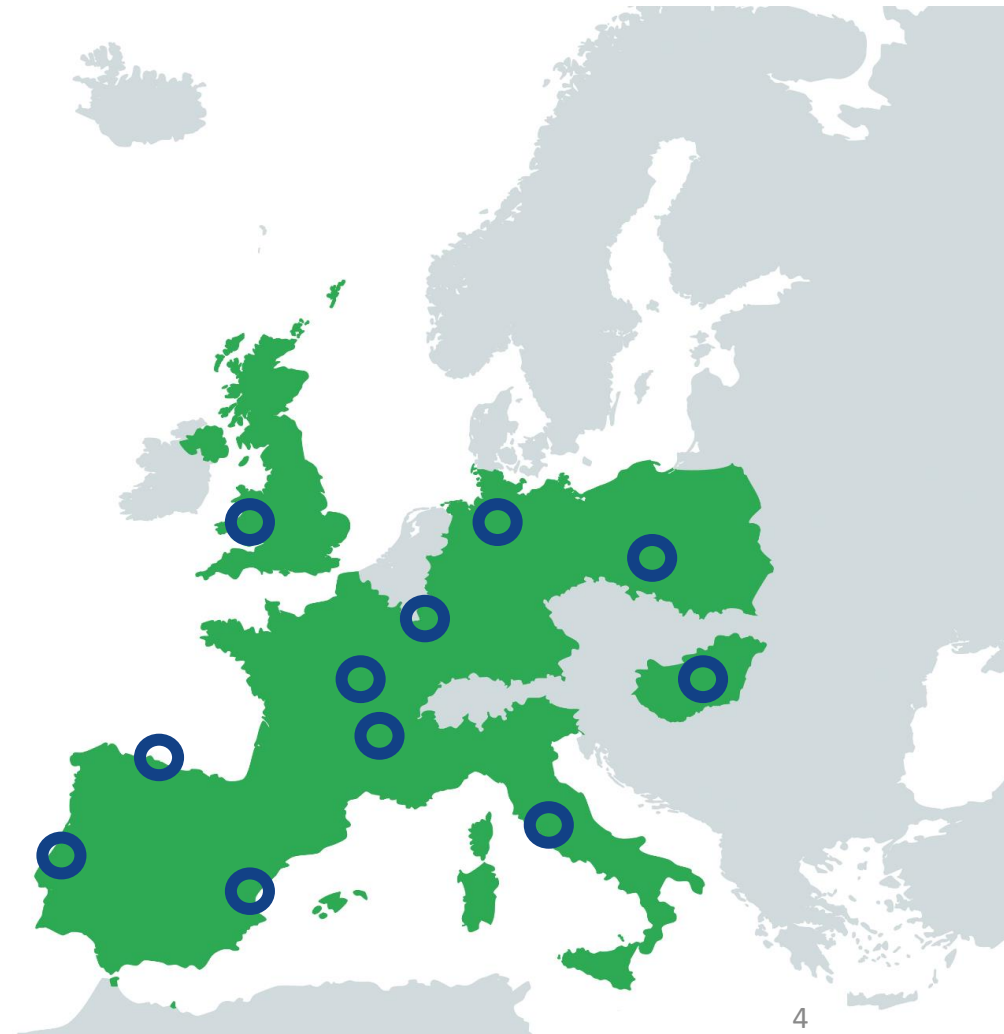
- Creation of a sustainable network of Digital Innovation Hubs, providing European added value to collaborations done at national and regional level in Digital Innovation Hubs
 - **Network maintained by Interop-VLab**
- Attract a significant number of new users of advanced and more innovative technologies, in particular SMEs and mid-caps
 - **23 innovative applications experiment during the project**
- Availability of Digital Innovation Hub services across Europe and its regions with strong industrial capacities
 - **34 within the project**

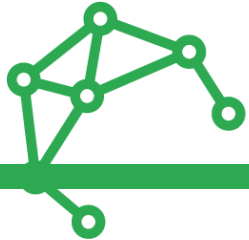






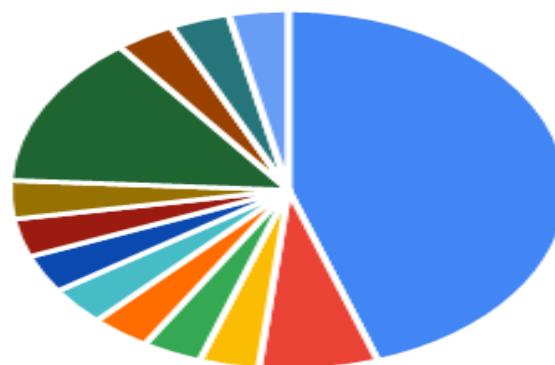
- Groups domain-specific areas
- Identify business opportunities
 - End-user feedback
 - Collaborative projects



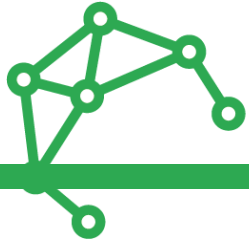


DOMAIN-SPECIFIC AREAS

What working group/task force your organisation will be interested in?



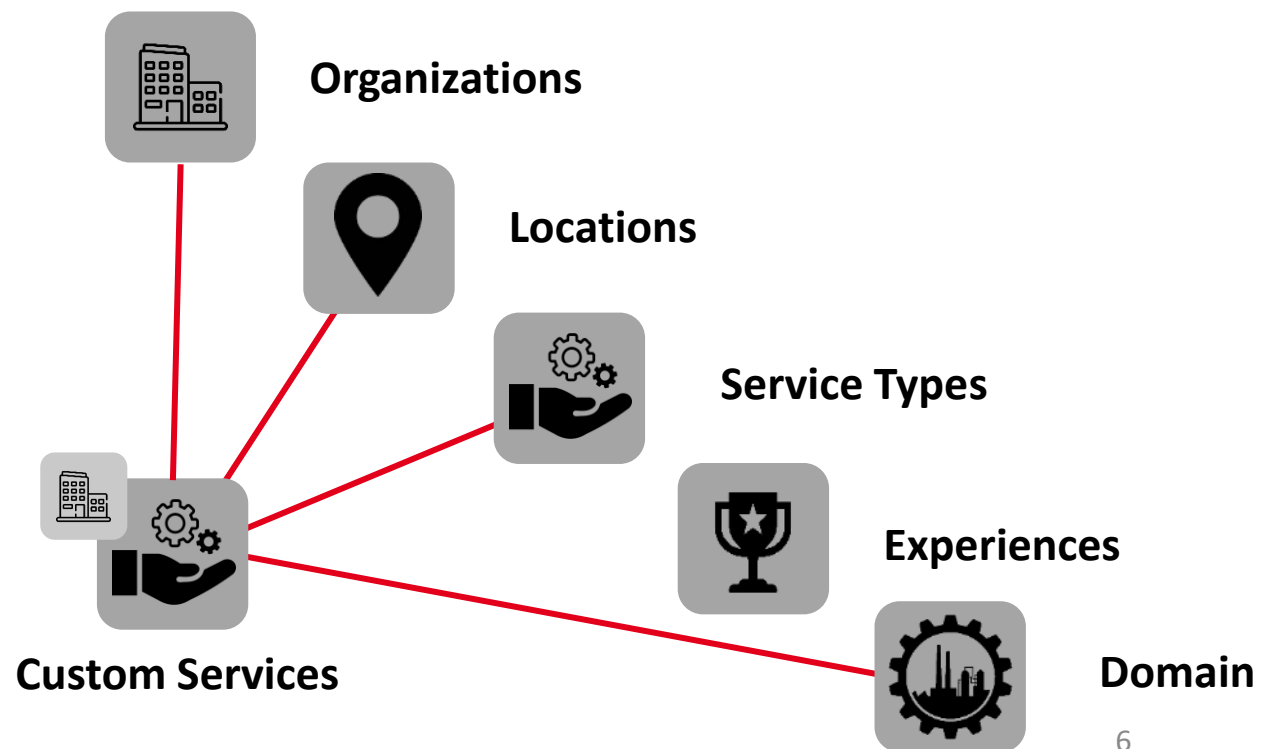
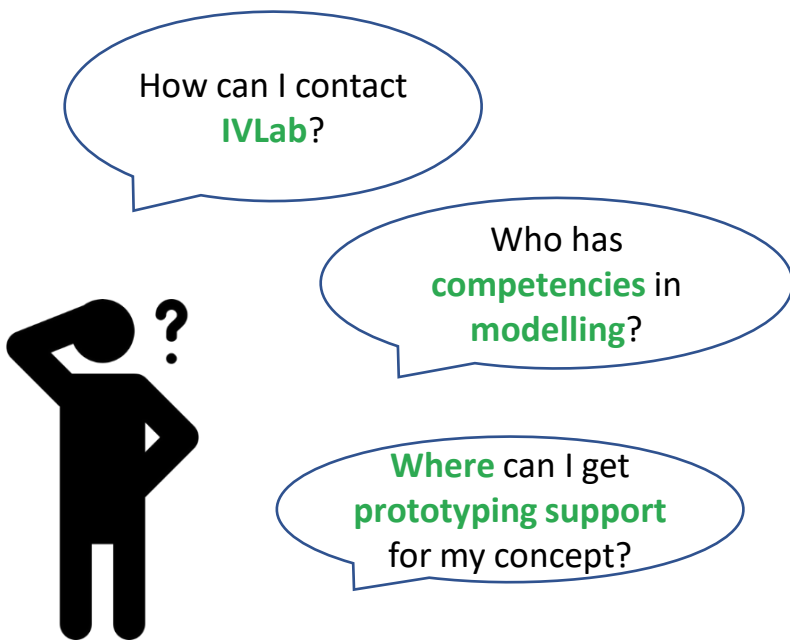
- Manufacturing
- Agrifood
- Forestry
- Environmental engineering
- Cyber-Physical-Social Systems
- Water technologies
- Digital Twin
- AI for the Enterprise
- eHealth
- Mobility
- Digitisation
- Digital energy
- Industry 4.0

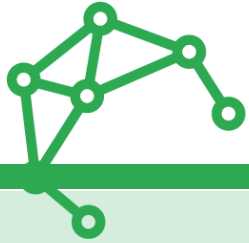


REQUIREMENTS AND APPROACH

Information model of DIHs and their capabilities that is
Browsable, Accurate, Manageable, Extendable, Interoperable

- Search for relevant concepts **and their combinations**

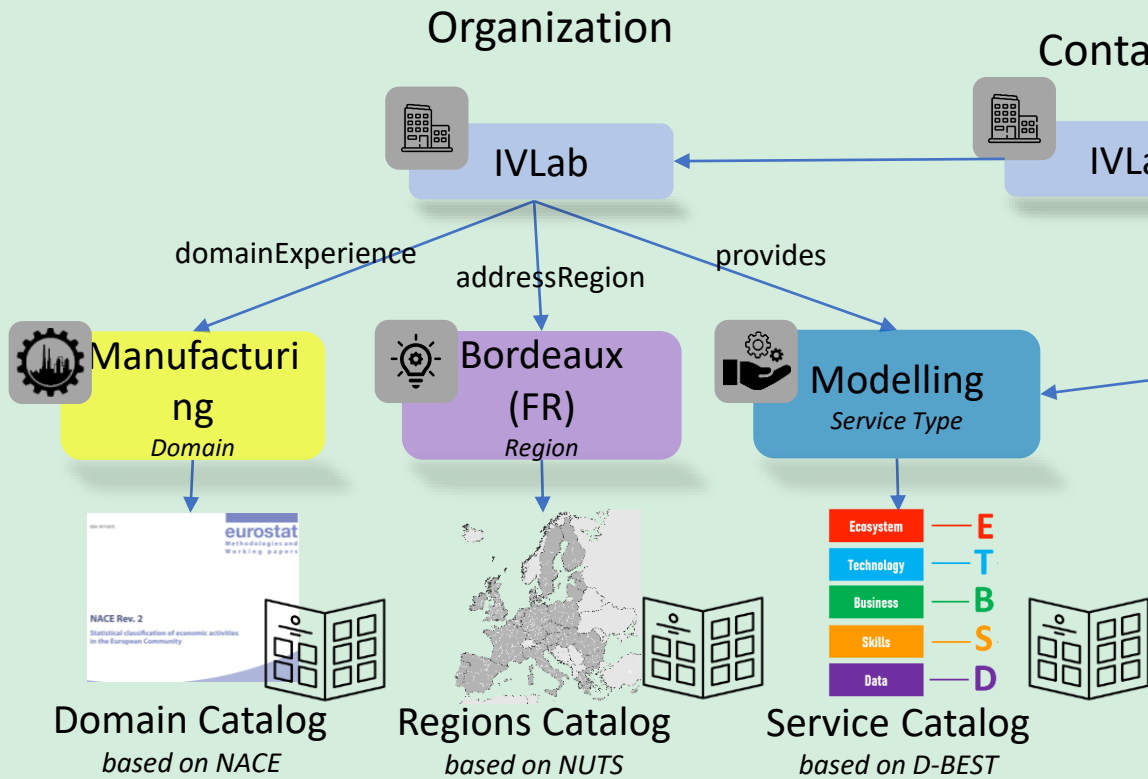




LINK BETWEEN THE MODEL AND THE PLATFORM

BASIC

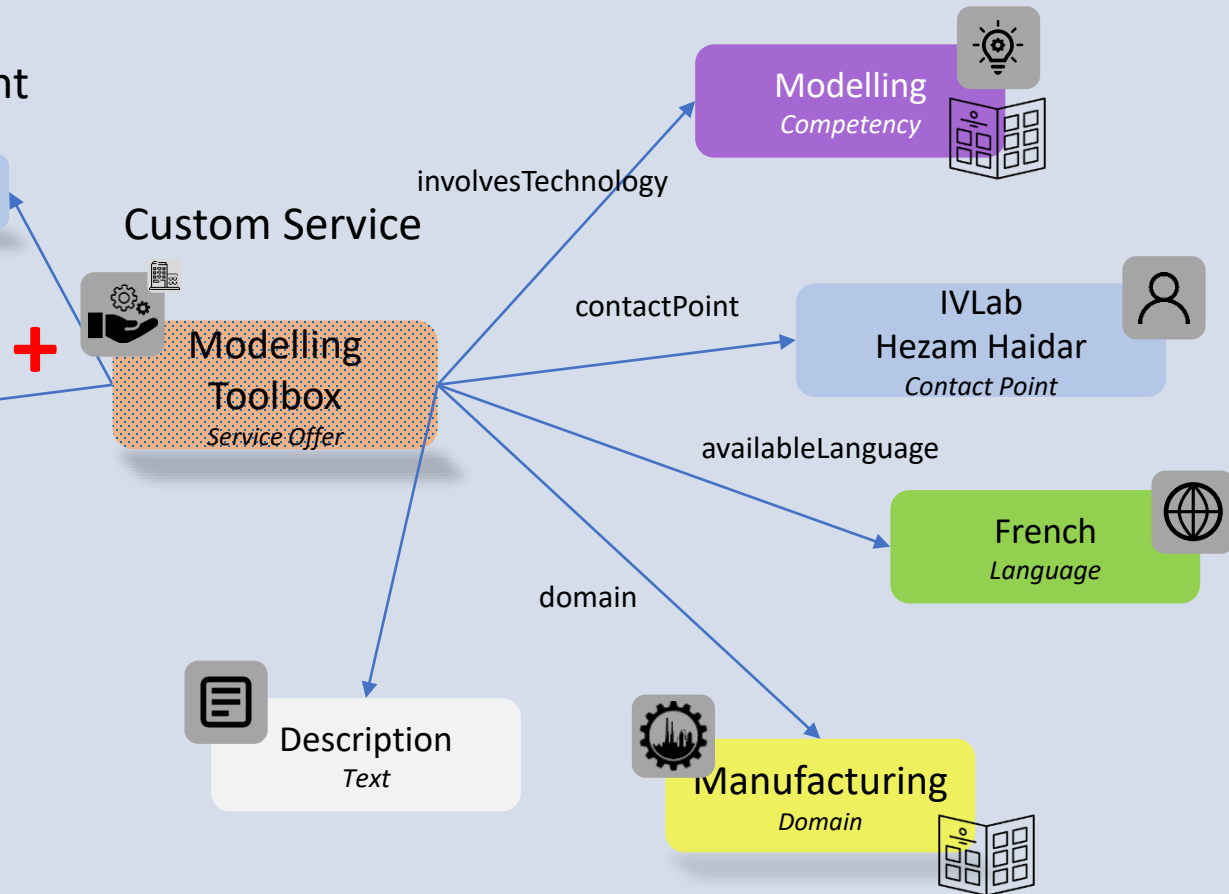
High level description of each organization in DIH4CPS platform, based on DIH4CPS catalogues.



Who can offer a specific service type **or** has a certain competency?

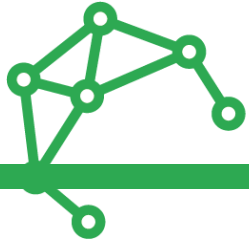
ADVANCED

Detailed description of specific services in DIH4CPS platform, based on DIH4CPS catalogues and custom descriptions.



Who can offer a specific service **with** a specific technology type?





CONTENT MODELLING IN THE WEB PORTAL

BASIC

Selecting Offers from Standard Catalogues
fast & simple

DIH4CPS

Search Start Search Administration Moritz von Stietencron

Manage Company Assets
On this view you can select the assets, which your company offers. Your selection is automatically updated in the portal.
Company: BIBA - Bremer Institut für Produktion und Logistik GmbH

Services
Please select from the following catalogue which services your organisation offers.

Business Services
The Business macro-class intervenes in more advanced scenarios (with higher TRL solutions), identifying, modelling and sustaining viable business models, including also fund raising services (e.g. private matchmaking or access to public funding opportunities). It can be declined in four types of services detailed in several classes of services.

Access to Finance
Connection to funding sources.
These services want to facilitate access to different funding sources (EU, national, regional, and private) aiming at achieving an effective mix of funds.
 Facilitation of access to an effective mix of funds (conversation, lobbying, projects)
 Facilitation of access to different funding sources (EU, national, regional, and private)

Financial engineering
These are services aimed at providing support in addressing financial issues and/or advise on innovative financial products.

Incubation acceleration support

Business training and education

Project Development

Ecosystem Services
The Ecosystem macro-class, is aimed at creating, nurturing, expanding and connecting the local SME constituency, involving in the SME digital transformation process different stakeholders as technology providers, technology users, competence centres, education and training hubs, market development experts, regional development associations. Its three main types of services are Community building, DI Innovation Development and Ecosystem Governance.

Technology Services

Submit Bug Report

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Posting Custom Services with Links to Catalogues
more detailed & bespoke

DIH4CPS

Search Start Search Administration Moritz von Stietencron

Custom Services
Company: BIBA - Bremer Institut für Produktion und Logistik GmbH

Service Name	Contact Point	Action
Predictive Maintenance Proof of Concept		Edit Delete
IoT Production Line - Training		Edit Delete
Technical Concept Feasibility Support		Edit Delete
Access to IoT Design and Production		Edit Delete
Concept Validation		Edit Delete
Predictive Maintenance Proof of Concept		Edit Delete
40 Jahre BIBA		Edit Delete
Test Service		Edit Delete

Create Custom Service

Custom Service

General Information

Please enter some general information for this custom service.

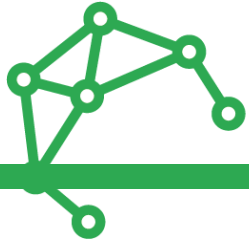
Service Name
Predictive Maintenance Proof of Concept

Service Description
This service allows companies to make a easy first step into predictive maintenance and data analytics. The service will start with a workshop at the SME to give a hands-on introduction to predictive maintenance and explore suitable cases at the SME for developing a predictive maintenance proof of concept. BIBA's predictive maintenance platform, which was created in the H2020 action "UPTIME", will then be used to collect data - either from existing sources or newly placed sensors - and build a predictive maintenance workflow. As part of this service BIBA offers a wide variety of common sensors (e.g. vibration, orientation, temperature), which can be easily attached to the system under consideration, should there be not readily available data. The BIBA predictive maintenance platform has already implemented major data analysis modules, which can be easily configured to data flows. No per service coding will be required. Once a suitable amount of data has been processed the proof of concept will be documented and presented to the SME with some recommendations on how to further develop the case for productive use. The proof of concept system (sensors, data pipeline and analysis flows) can be kept operational for further demonstration and analysis upon separate agreement with the SME.

Service Category

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Ei2NETWORK PORTAL (DIH4CPS)

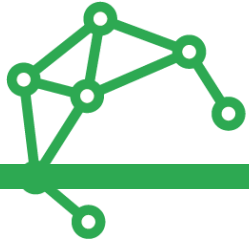


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Digital Innovation Hubs for Cyber-Physical Systems Innovate with our network of European partners



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safety and wellbeing



Start

Search

Administration

Jose Ferreira



Result Details

safety

Safety and wellbeing of shop floor workers

by UNINOVA

CUSTOM SERVICE

The present application establishes a platform that collects data from workers and provides advice to the worker and to the enterprise's human resources about the best strategies to keep the worker safe and fit at work and at home. With the objective of improving life and workplace balance, prevention Occupational Service Health schemes are permanently being developed in multi-businesses industry parks in Portugal covering the multiple aspects of the Citizen wellbeing @home and @workplace, physiotherapist, GP on demand including the adoption of Wearables, smart textiles, training and fitness data, home training.



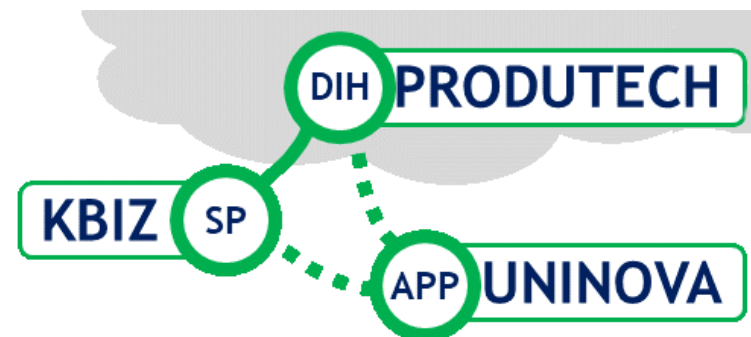
Service Category:
Prototyping

Contact Point:
José Ferreira @ UNINOVA

Contact

Related Domains:
Other human health activities
Other residential care activities

Submit Bug Report

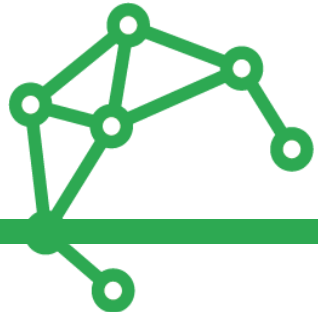


Thank you for your attention

Questions

For further details

Contact: ei2network@interop-vlab.eu



The logo for DIH4CPS features a green network diagram of interconnected nodes and lines on the left. To its right, the text "DIH4CPS" is displayed in a bold, blue, sans-serif font. The number "4" is highlighted in green and includes a small green arrow pointing to the right.

DIH4CPS



ei2network@interop-vlab.eu

DIH4CPS is coordinated by



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