



# TRAIN 3 - TRAIN 3: From Gare du MIDIH to Innovation and Collaboration Platform for regional Manufacturing DIHs (DIHIWARE)

# The DIHIWARE Collaboration Platform for mastering your Digital Transformation journey

-

Learn how online collaboration tools  
can open new opportunities for both  
DIHs and SMEs adopting CPS/IoT  
and other Industry4.0 technologies

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ENGINEERING





# AGENDA

- **DIHIWARE Platform** - Concept, Vision, and Capabilities
- **Key challenges for SMEs** - Collaboration, Awareness and Growth
- **DIHIWARE in a Nutshell**
- **Success Stories** - Confindustria / Confapi
- **DIHIWARE Roadmap** Next Steps and Achievements
- **DIH4Industry** - The revolutionary collaboration platform for DIHs

# DIHIWARE – Vision

*Knowledge-driven services next to a Catalogues Management System*

*harmonized with the **collaborative** and **innovation** side of the platform, where providers and consumers of digital technologies are not just matching assets and needs, but they are collaborating to boost innovations.*



Knowledge  
Platform 



Marketplace

Innovation   
Capabilities

Collaboration  
 Services



# DIHIWARE – Concept

## Knowledge Management



Easily publish, organize, and access community information in **one central location**

## Catalogue Management



A new way of managing information where the use of powerful metadata enable the cataloguing of resources and their **dynamic modelling** and visualization

## Collaboration and Innovation



Building consensus, increasing levels of motivation and participation, **pulling teams together** and providing a fertile ground for experimentation

## Open Data Space



Publishing and browsing services for open **high-value data sets**, with efficient mechanisms for managing and exploiting such data



# DIHIWARE – Capabilities

The KM is the main subsystem, offering tools for knowledge sharing, social activity, and collaborative tools. KM links Users, Processes, Resources and acts a powerful **knowledge and experience hub**.

## Background components and technologies

SSO and Identity Federation



Innovation & Collaboration



Content Management System



## Knowledge Management System



## Catalogues Management System

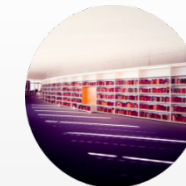
DYMER (DYnamic Information Modelling & Rendering) –  
A flexible Web Content Management based on micro-services



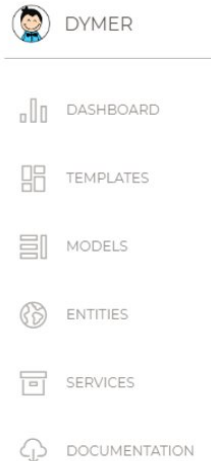
Catalogues Design  
and Management



Taxonomies and  
metadata indexing



Information dynamic  
modelling and visualization





# Key challenges for SMEs

## Collaboration

### **Connection and Networking**

Discover new opportunities and create meaningful connections

## Awareness

### **Gain Awareness**


Capture, curate, and grow your community's knowledge

## Growth

### **Discover New Growth Opportunities**


Nurture your community and catalyze its growth

# DIHIWARE in a Nutshell




### Knowledge Management

Easily publish, organize, and access community information in one central location




### Catalogues Management

A new way of managing information where the use of taxonomies and the power of metadata enable the cataloging of resources and their dynamic modelling and visualization.



### Open Data Space

A set of Services enabling the publishing and browsing of open data sets. Efficient mechanisms which enable easy publishing, management and consumption of such data.



### Collaboration And Innovation

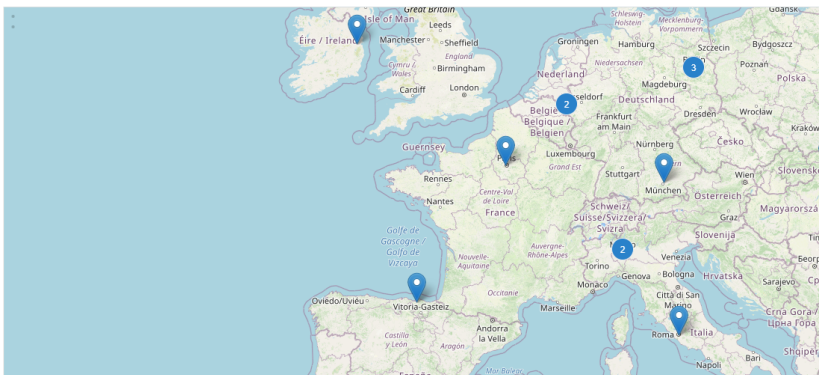
Building consensus, increasing levels of motivation and participation, pulling teams together and providing a fertile ground for experimentation.

## ORGANIZATION MAP

Search for snippets, click on caret

Reload Map Total Page

Reload Map



Leaflet | © OpenStreetMap

## BLOGS

DA

DIHIWARE AD...  
09 SEP 2020 12.37

Discover MIDIH insights

Take a ride with MIDIH (Manufacturing Innovation Digital Hub)

Like

Follow

Share

Link

DIHIWARE

DIHIWARE

Home /

Home

Innovation ecosystem and networking


Skills and Training

Support to find investment

Test before invest

Open Data Space

Collaboration & Innovation Space



### Innovation Ecosystem and Networking

Benefit today! Research and join your value chain across Europe


Users

Organizations

Success Stories

Events

Events Matchmaking




### Skills and Training

Access recommended training or an internship to advanced your digital skills

Last updated 3 mins ago

Training Materials


Papers and Publications



### Support to find investments

Get impartial local advice on funding or financing for your digital transformation

Funding-Opportunities



### Innovation & Collaboration Space

Take action! Collaborate with research and innovation actors across Europe


Exchange your digital transformation journey to accelerate your learning


Blogs


Discussions

Challenges Dashboard

Ideas Management







## TRAINING MATERIALS

Search for snippets, click on caret

List

Training Services

### Business Implication of AI

he course provides an understanding of AI technologies and application opportunities in order to enable participants to evaluate the needs and demands of AI processes. It explains how to make a profitable start and understand what you as a business manager need to know to guide your organisation into new opportunities based on AI technologies. Both the online material and face-to-face masterclass will demonstrate how AI is changing the business landscape, giving you the tools to ask the right questions and find out how you can use AI to your advantage.

Website

professionalschool@eitdigital.eu

View More

### Business Implications of AI: Full course

In this course you will learn what Artificial Intelligence is, from a leaders point of view. How shall we, as leaders, understand it from a corporate strategy point of view? What is it and how can it be used? What are the crucial strategic decisions we have to make, and how to make them? What consequences can we expect if we decide on doing AI-projects and what kind of competences do we need? Where shall we start, and what could be a good second as well as third step? What implications for the organization can we expect? These are the questions...

Website

professionalschool@eitdigital.eu

View More

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In this course you will learn what Artificial Intelligence is, from a leaders point of view. How shall we, as leaders, understand it from a corporate strategy point of view? What is it and how can it be used? What are the crucial strategic decisions we have to make, and how to make them? What consequences can we expect if we decide on doing AI-projects and what kind of competences do we need? Where shall we start, and what could be a good second as well as third step? What implications for the organization can we expect? These are the questions...

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View More



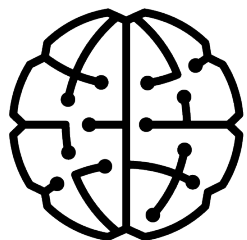
# DIHIWARE – Success Stories



# DIHIWARE – Adoption Programme



QUALITY



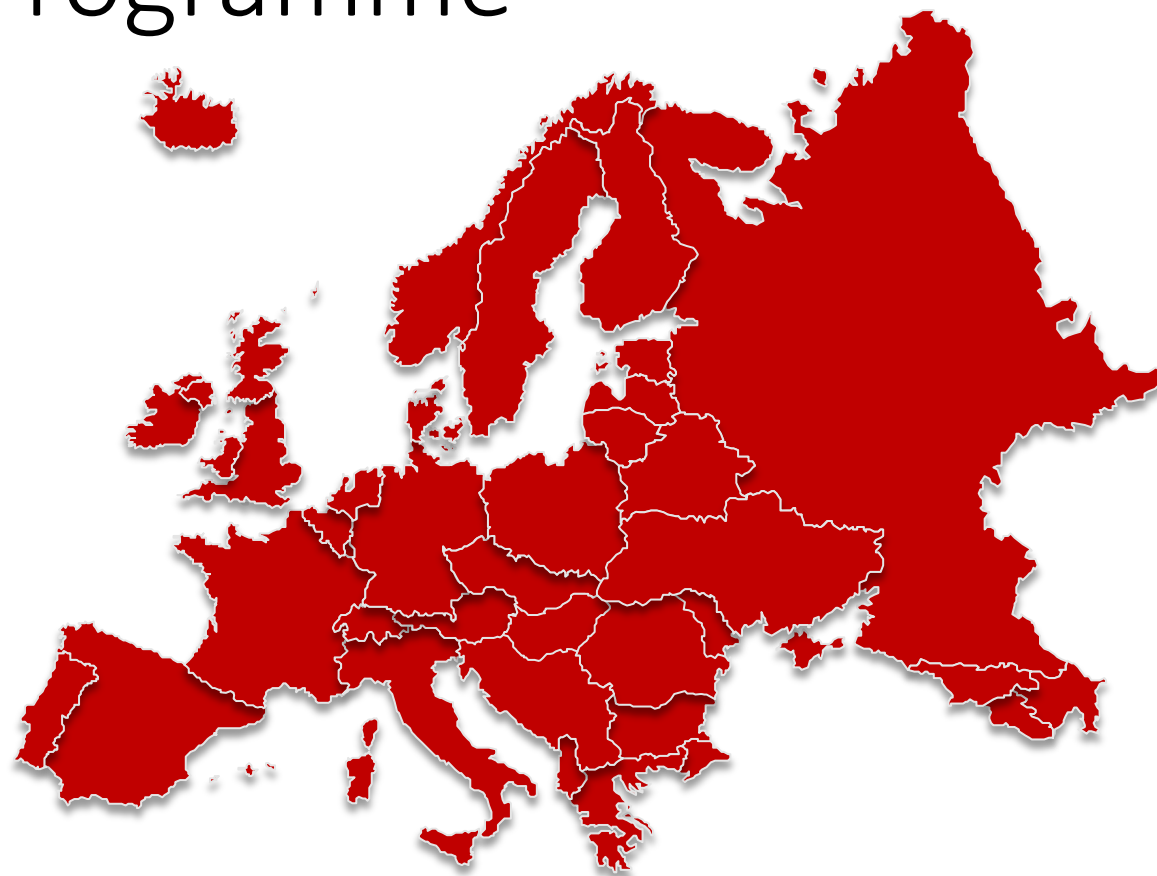
AI REGIO



**EOSC-hub**



HUBCAP



**DIHIWARE**  
DIGITAL COLLABORATION HUB



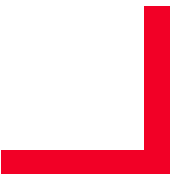
# DIHIWARE – Italian Success Stories



21 regional level workspaces interconnected with a National one able to create the [Confindustria Innovation Ecosystem](#)



As part of Industry 4.0 network DIGITAL INNOVATION HUB [CONFAPI](#) is using the DIHIWARE as the main virtual environment to create a sustaining network for all those who are part of the CONFAPI ecosystem



# DIHIWARE – Continuous Development Roadmap

## Discovering

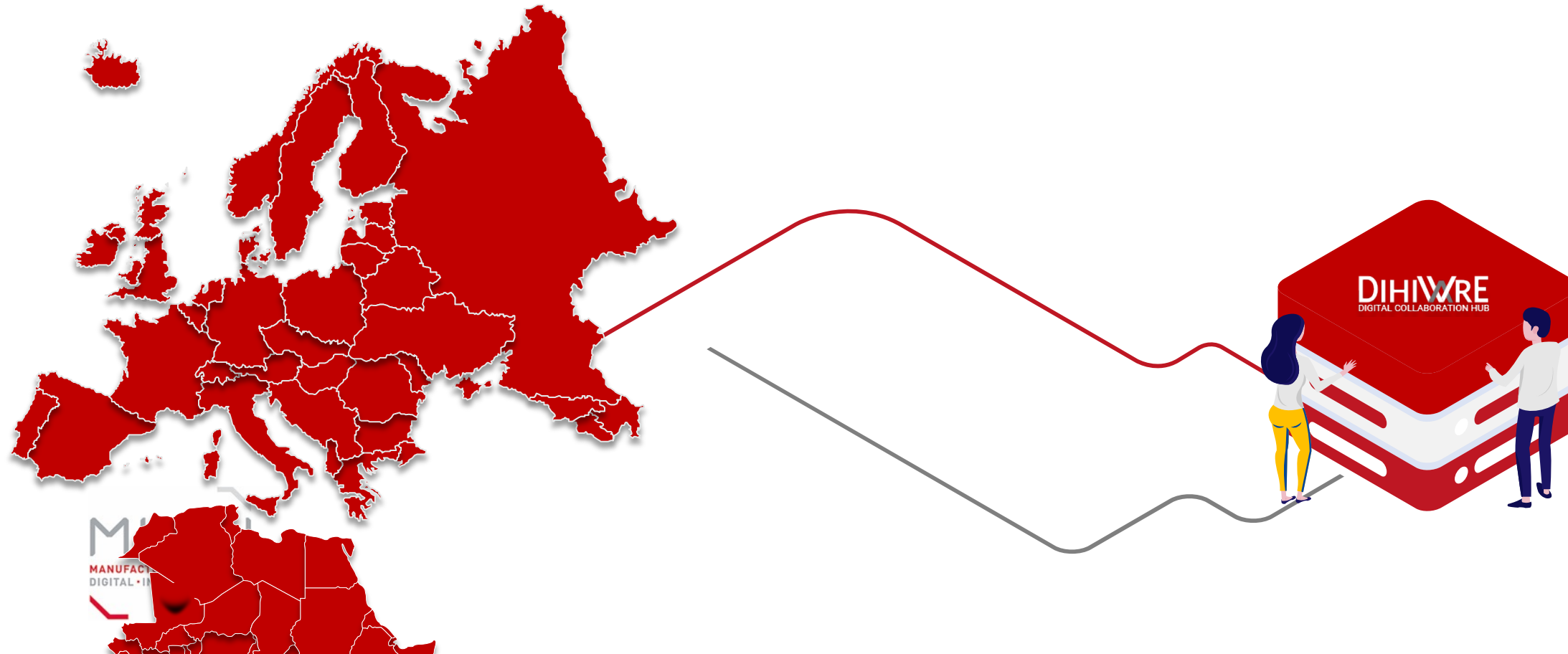
Discover and elicit requirements from all relevant sources (Early Adopters and further experimentations)

## Development

Manage and prioritize new requirements

## Deployment

Deliver customized platform for new innovation communities





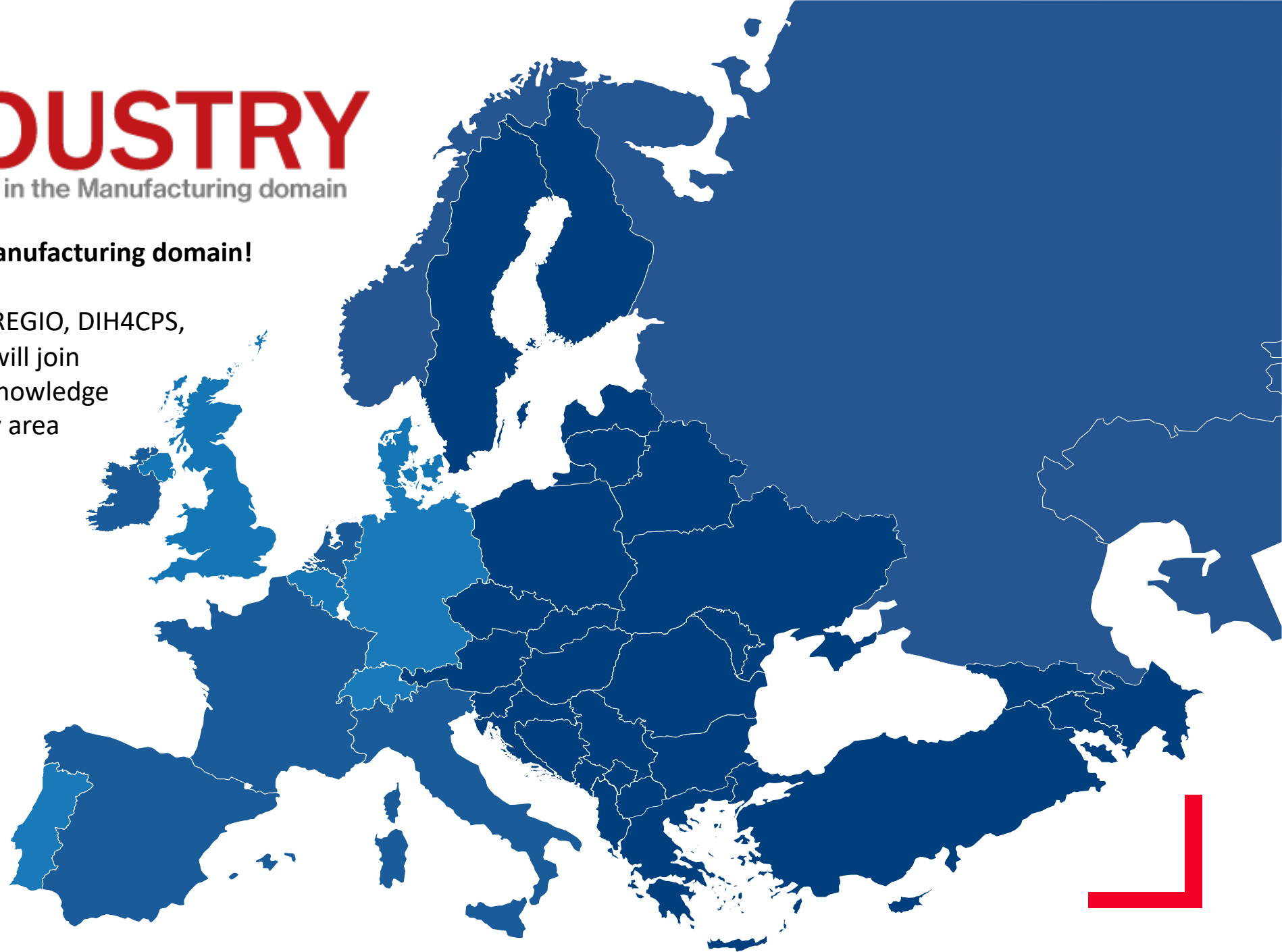
# DIH4Industry Platform

A Powered by DIHIWARE experience



## A vibrant Network of DIHs in the Manufacturing domain!

Many R&I initiatives (e.g. MIDIH, AI REGIO, DIH4CPS, DIH2, HUBCAP, I4MS CSA, SAE CSA) will join providing and sharing services and knowledge for DIHs acting in the Digital Industry area



**E**cosystem Assets and Services

**S**kills Assets and Services

**T**echnology Assets and Services

**B**usiness Assets and Services

**D**ata Value Chain Assets and Services



# DIH4Industry top space



The EU Network of DIHs in the Manufacturing domain

 DIH4INDUSTRY



 Teams









DA

DIHIWARE Admin





 Home

 DIH Maps

 Experiments Map

 Projects/Initiatives





The EU Network of DIHs in the Manufacturing domain

*European Market*

*A whole new world of possibilities.*





**DIHs Map**  
Discover the  
DIH4Industry DIHs  
and their  
organizations



**Projects/Initiatives  
List**  
List of  
Projects/Initiatives  
part of  
DIH4Industry



**Experiments  
Map**  
Discover  
Experiments  
done within our  
DIHs



# DIHs Map

DIH4INDUSTRY

DIH4INDUSTRY

Home

DIH Maps

Experiments Map

Projects/Initiatives

Search

Teams

Calendar

Notifications

DA

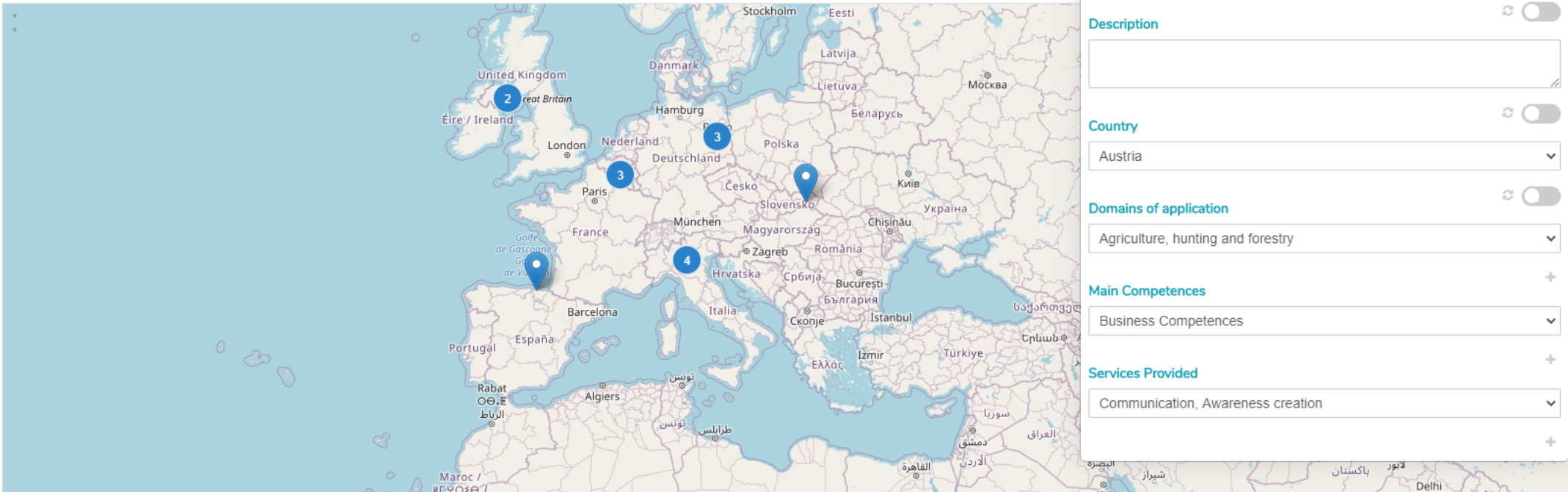
DIHIWARE Admin

DIH MAPS

Search for snippets, click on caret

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Organization Name

Description

Country

Domains of application


Main Competences

Services Provided

Show 10 entries

Filter:

# Experiments Map



Home

DIH Maps

Experiments Map

Projects/Initiatives

DIH4INDUSTRY

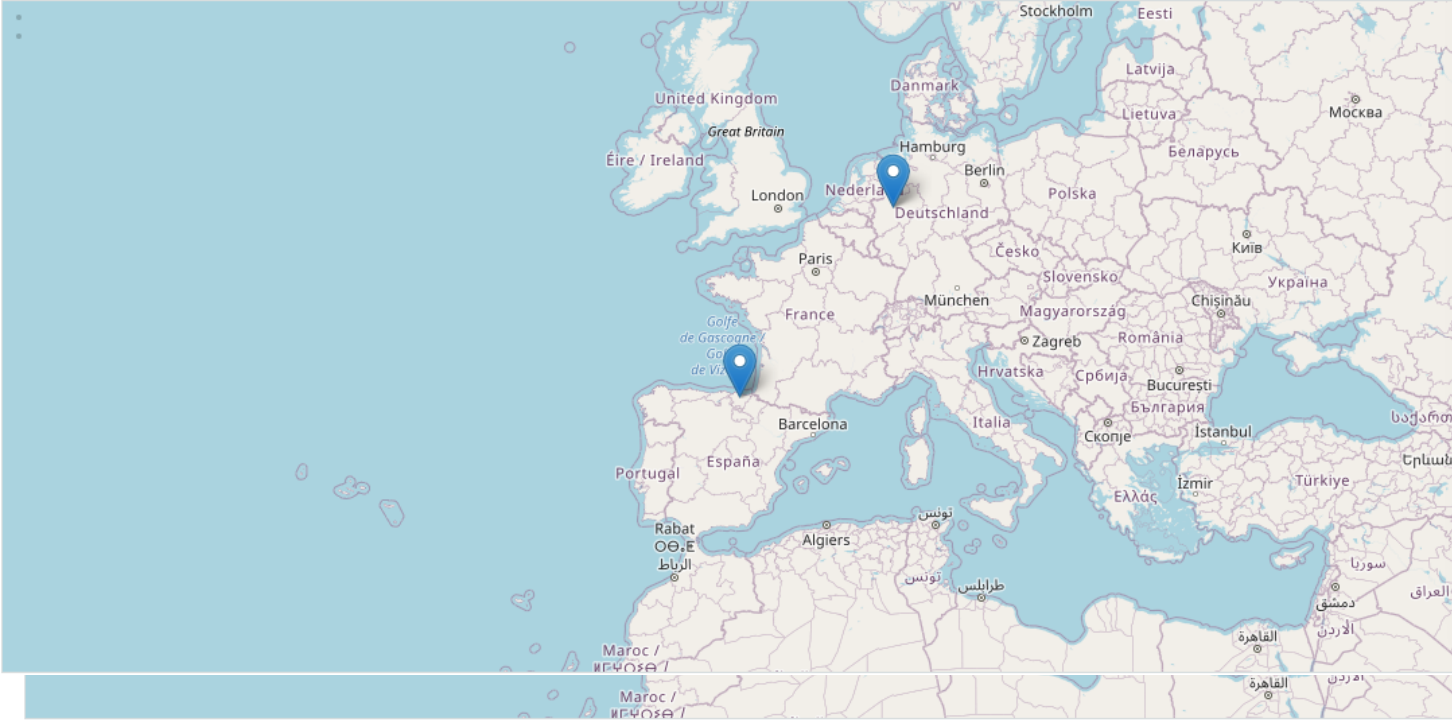
Search

EXPERIMENTS MAP

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Title

Company name

Project

Partner Name

Metrics

Trial Technology

Platforms


Rough investment


0-10K


Country


Austria


# DIH4Industry Projects/Initiatives List

 DIH4INDUSTRY


 Home


 DIH Maps


 Experiments Map

 Projects/Initiatives

PROJECTS/INITIATIVES

 List


 Project



## MIDIH

The MIDIH "Manufacturing Industry Digital Innovation Hubs" project aims at realizing services to support the ICT Innovation for Manufacturing SMEs.

[Details >](#)



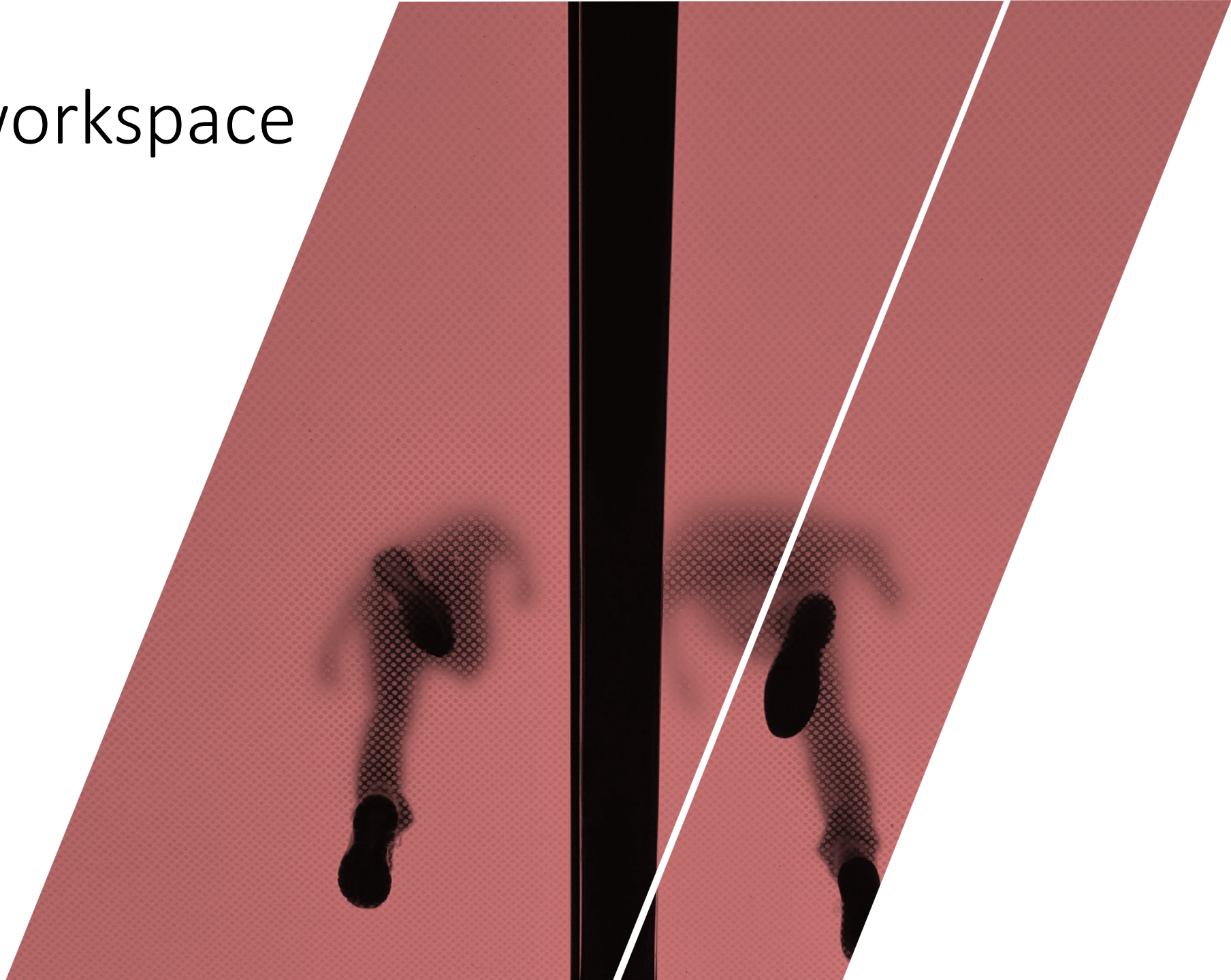
## QU4LITY

Qu4lity will realise a radical shift from state of the art production quality methods to the disruptive Autonomous Quality (AQ) concept, through enabling manufacturers and solution providers (including SMEs) to develop, validate, deploy and adopt innovative Cognitive Manufacturing solutions for ZDM.

[Details >](#)



# DIH Project workspace



# DIH4Industry workspace: MIDIH



## Ecosystem Assets and Services

- Users Directory
- DIHs catalogue (in map)
- Events and Workshops
- News
- Experiments Catalogue (in map)
- [Ecosystem Services](#)

ECOSYSTEM BUILDING



## Skills Assets and Services

- CVs and Skills Repository
- Training Courses Repository
- Papers and Publications
- [Digital Maturity Services](#)
- [Skills Development Services](#)

MATURITY ASSESSMENT & SKILLS



## Business Assets and Services

- Funding Opportunities Catalogue
- DIH Sustainability & Revenue Models
- Digital Transformation methods & tools
- [Acceleration and Incubation Services](#)
- [Business Services](#)

BUSINESS DEVELOPMENT



## Technology Assets and Services

- Experimental Facilities Catalogue
- Open Source Tools Catalogue
- DIHIWARE Platform
- [CPS/IOT Platform Services](#)
- [DIH Services](#)
- [Technology Services](#)



## Collaboration Space

- Blog
- Discussions



## Innovation Space

- Challenges
- Ideas

## Data Assets and Services

- Open Data Catalogue
- Data Models and Ontologies
- Data Sharing Spaces Models
- [Data Marketplace](#)

DATA AND AI VALUE CHAIN

## MIDIH Services Portfolio Classes

ECOSYSTEM BUILDING

MATURITY ASSESSMENT & SKILLS

BUSINESS DEVELOPMENT

TECHNOLOGY PROVISION

DATA AND AI VALUE CHAIN

## WELCOME

Assets and  
>ss Assets and  
ices >echnology Assets and  
Services >Skills Assets and  
Services >Collaboration  
Innovation Space >Data Assets and  
Services >**Ecosystem Assets and Services**

Benefit today! Research and join your value chain across Europe

[Ecosystem services](#)[Ecosystem assets](#)[Events and workshops](#)[News](#)**Technology Assets and Services**

With support access digital transformation testing and experimentation facilities

[Technology services](#)[Technologies assets](#)**Open Data Spaces**

A set of Services enabling the publishing and browsing of open data sets. Efficient mechanisms which enable easy publishing, management and consumption of such data.

[Data value chain](#)**Skills Assets and Services**

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[Skills development services](#)[Skills assets](#)**Business Assets and Services**

Get impartial local advice on funding or financing for your digital transformation

[Business services](#)[Business assets](#)**Collaboration Innovation Space**

Take action! Collaborate with research and actors across Europe

Exchange your digital transformation accelerate your learning



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THANK  
YOU!

MIDIH

MANUFACTURING • INDUSTRY  
DIGITAL • INNOVATION • HUBS

