

DIH-WORLD

WIDENING DIGITAL INNOVATION HUBS

Real AI Application in Manufacturing

DIH-World Community Days

16th of April 2021

Dr. Ricardo Simon Carbajo
Head of Innovation & Development
CeADAR – Ireland's Centre (DIH) in Applied AI



#DIHWorld

Agenda



09:00	Opening - DIH-World Project	Dr. Ricardo Simon Carbajo Head of Innovation @ CeADAR (Ireland)
09:20	Keynote	Dr. Sooyoun Seo R&D Manager @ Dawn Farms (Ireland)
09:50	CeADAR - DIH in AI in Ireland	Dr. Edward McDonnell Center Director @ CeADAR (Ireland)
10:20	IoT & Analytics in Manufacturing	Brendan Sheppard CEO @ SmartFactory (Ireland)
10:50	EU DIH - Best Practices	Professor Pekka Toivanen DigiCenterNS DIH, UEF (Finland)
11:20	Q&A and Networking	
11:50	Closing	

CeADAR – Ireland's DIH in AI



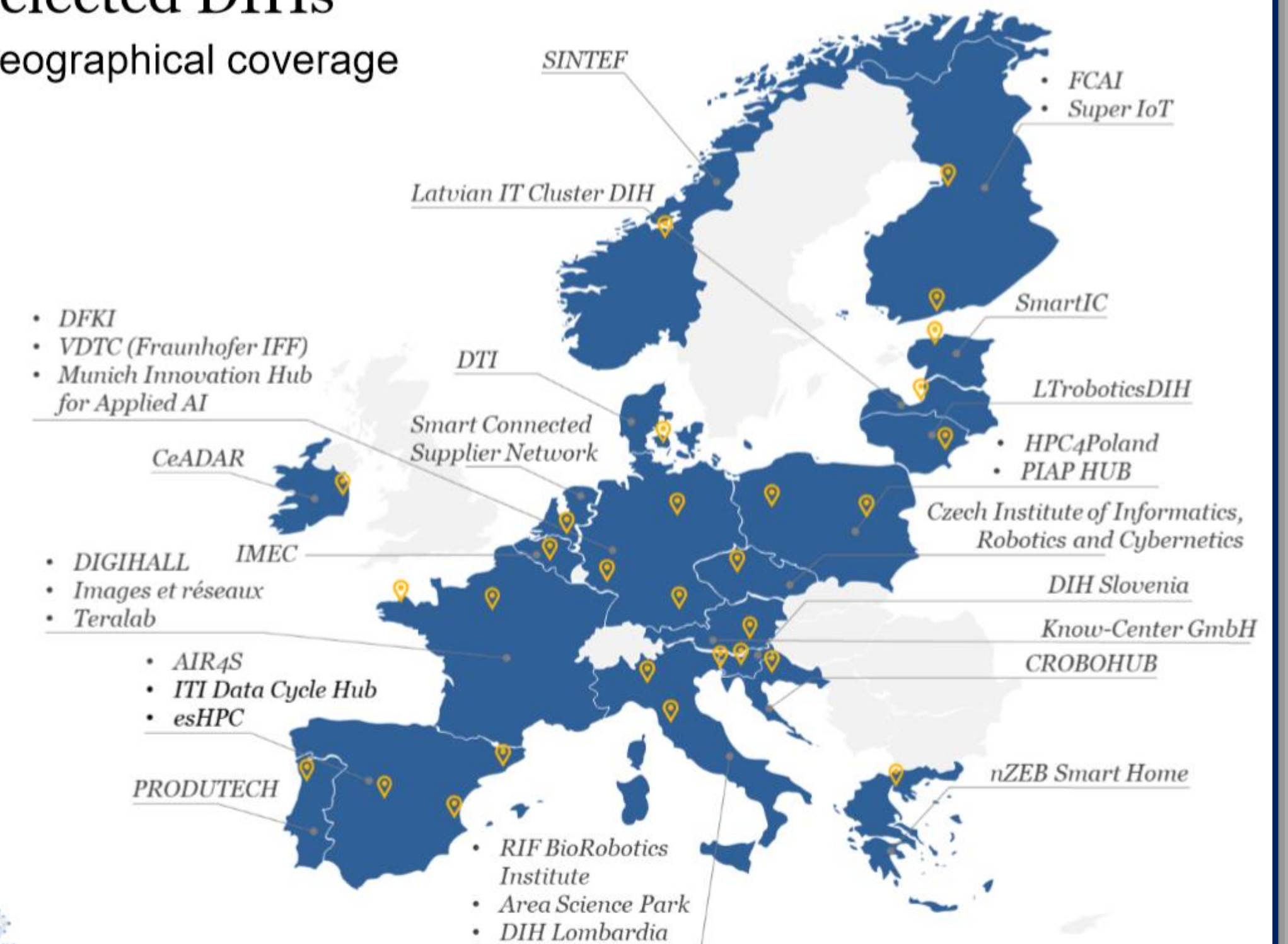
CeADAR – Ireland's DIH in AI

Digital Innovation Hub (DIH)

Provide Services to Industry
Access to Competence Centres
R&D and Technology Development
Access to Infrastructure (Test before Invest)
Development of Innovation Ecosystem
Brokerage
Access to Finance
Market Intelligence
Training & Education
Incubator Services

Selected DIHs

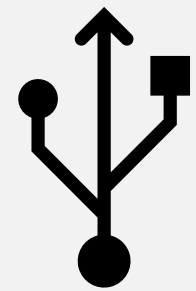
Geographical coverage



DIH-WORLD

01. DIH-World Project

DIH-World Project



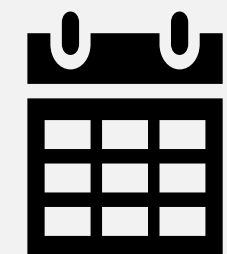
European Project within the Programme **HORIZON 2020**.

Call: H2020-DT-2018-2020.

Topic: DT-ICT-03-2020 → Digitising and transforming European industry and services: digital innovation hubs and platforms.



Co-funded by the Horizon 2020
Framework Programme of the European Union
Under grant agreement No. 952176



The Project started on the 1st of July 2020 and will last 36 months

Main objective

DIH-World aims to **accelerate the uptake of advanced digital technologies by European manufacturing SMEs in all sectors** by supporting them in building sustainable competitive advantages and reaching global markets.

The final aim is to **accelerate the matureness of DIHs and the development of their collaboration capabilities**, and avoid a DIH divide due to lack of access to technologies, skills, networks, investment and infrastructures with special emphasis in underrepresented regions; so DIHs can capitalise and leverage on the European DIHs Networks their resources and facilities for the benefit of their local SMEs.

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02.
Who we are

DIH-World partners

PARTNERS

CARSA (Coordinator) · PwC · IMP³ROVE · Innovalia · EURADA · CBT



IMP³ROVE ACADEMY



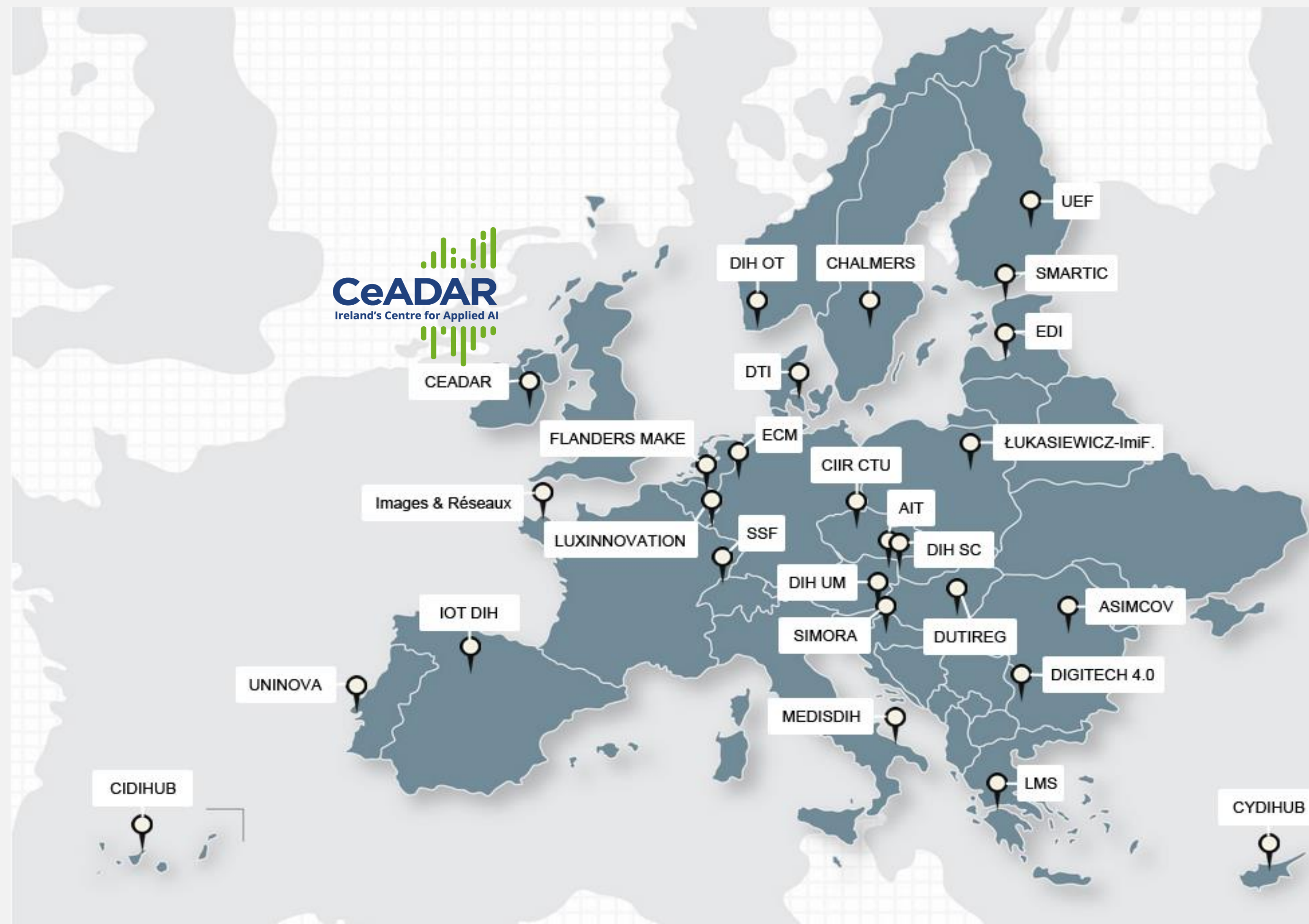
DIGITAL INNOVATION HUBS NETWORK

27 DIHs from 26 countries

SMEs

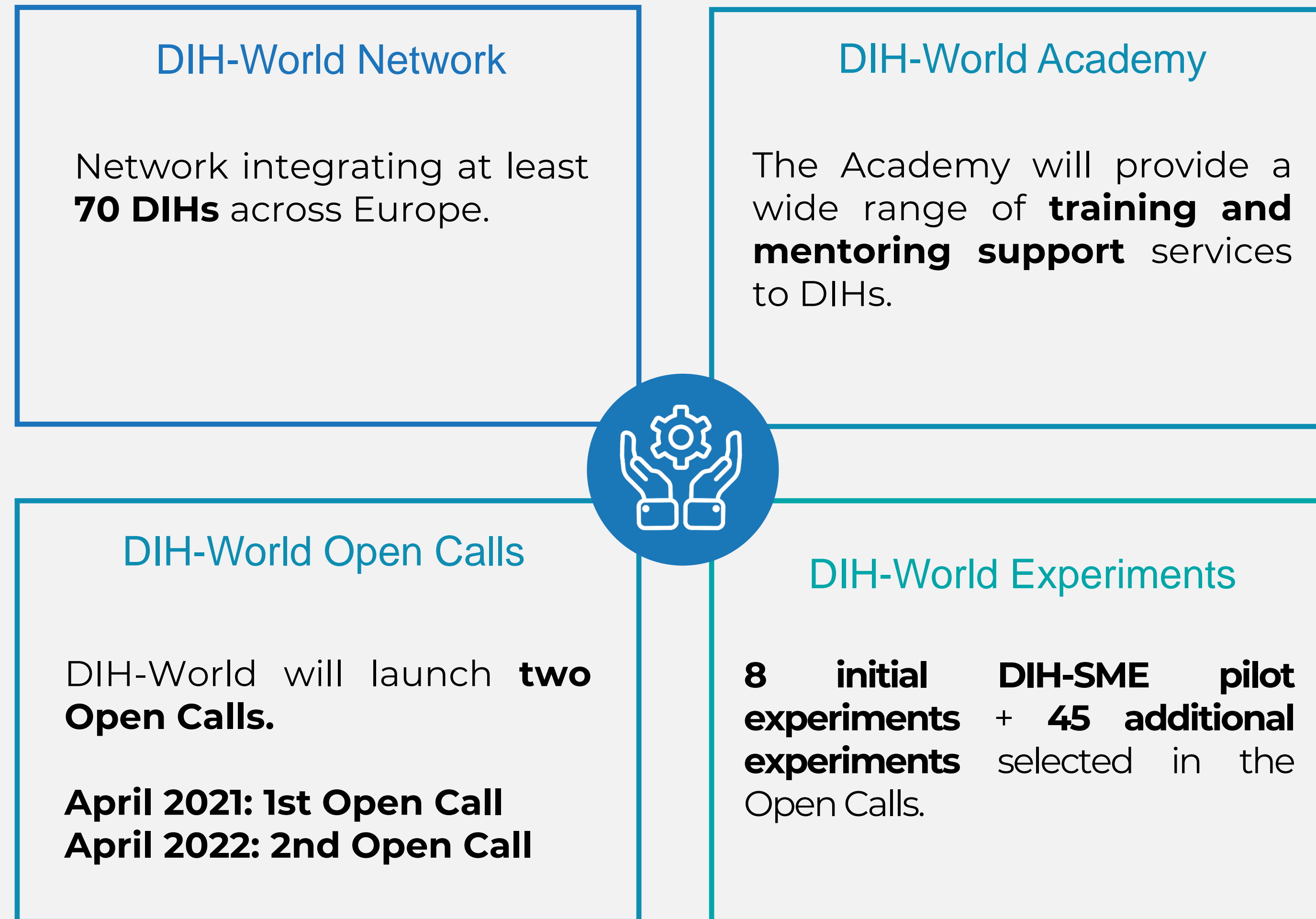
8 SMEs from 6 countries involved in 8 pilot experiments

DIH Network



Key Concepts

11



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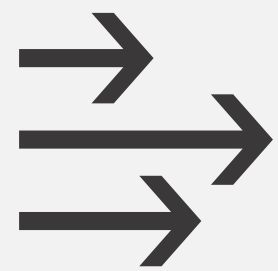
03.
DIH-Academy

Objectives

- **Matureness acceleration** of DIHs in preparation/ further development of fully functional DIHs towards a sustainable business model
- **Knowledge transfer** from experts of the consortium and of various DIHs
- **International collaboration** and further networking amongst the DIHs, to help creating a (more) sustainable network: the DIH-World

DIH Academy

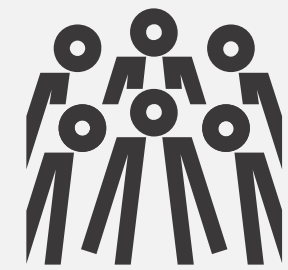
DIH Academy



Kick-off

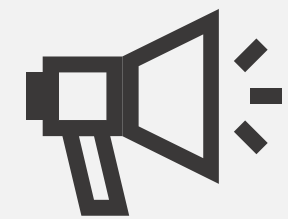
Interactive workshops to
**working on individual
DIHs Business Plans**

**International exchange
among DIHs** of varying
backgrounds



Training camps

On-site* and remote training in the form of centralized training camps, covering a set of topics for several hubs within a region



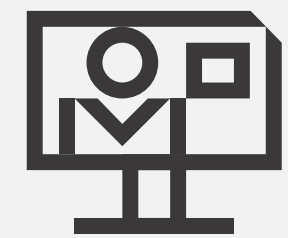
Dissemination workshops

1-day dissemination workshop to engage and include local ecosystem stakeholders, increase awareness and collect input for future services



Individualised remote (and virtual on-demand) coaching

DIH-specific coaching to transfer learnings and insights into customer needs, topics of interest and future value propositions



Webinars & online learning portal

Trainings and advanced knowledge sharing to blend offline and online learning, offer benefit of full support set and peer-learning

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04. Experiments and upcoming calls

DIH-World pilot experiments

8 experiments involving 8 SMEs and 7 **DIHS**

6 countries



- Cyprus
- Finland
- Hungary
- Ireland
- Norway
- Spain

4 sectors



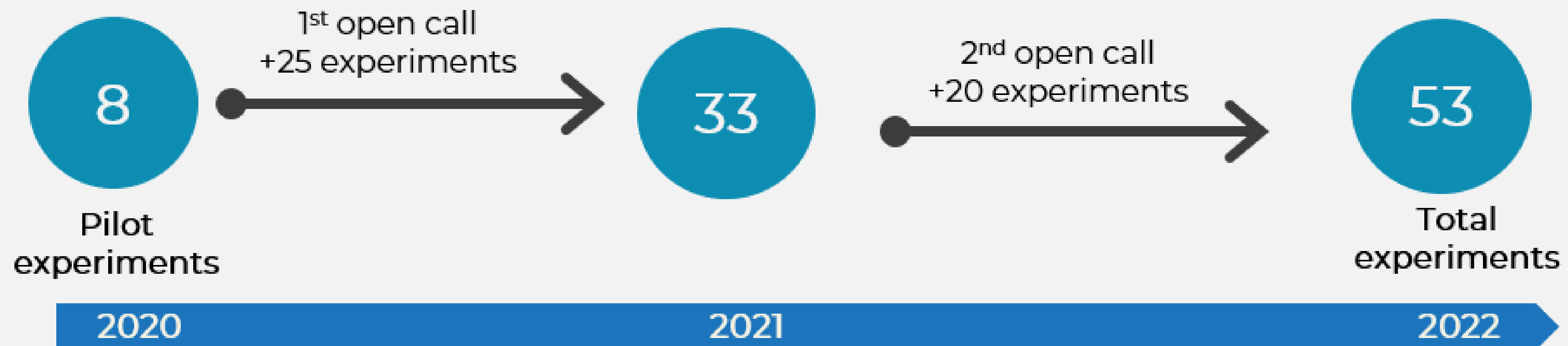
- Wood
- Food product
- Construction
- Maritime

+10 technologies



- Laser
- Artificial Intelligence
- Z-Wave
- Big Data Collection Platform
- Deep Reinforcement Learning
- Advanced Manufacturing
- Additive manufacturing
- HPC...

DIH-World experiments



DIH-World 1st Open Call

What kind of experiments?

Innovative experiments across Europe that integrates **digital technologies in the processes, products or services of manufacturing SMEs**. Implemented by a consortium made of **one SME and one Digital Innovation Hub**.

Sectors

Wood



Food products



Construction



Maritime



DIH-World 1st Open Call

Technologies

Smart modelling; Robotics; Internet of Things; Cyber Physical Systems; 3D Printing; Data analytics; Artificial Intelligence; Cloud technologies; High Performance Computing; Laser technologies; Cognitive Autonomous Systems; Human-robot interaction; Cybersecurity; Sensors.

Key dates

Activity	Dates
Launch of the call	03/05/2021
Deadline to submit proposals	15/07/2021 at 13h00 (CET)
Evaluation and selection	16/07/2021 – 15/09/2021
Contract's signature	16/09/2021 – 15/10/2021
Experiment starting month	October 2021

Launch event 03/05/2021 at 10:00 – subscribe to our newsletter on DIH-World website to stay informed!

What's in DIH-World for the consortium?

DIH-World aims to **accelerate the uptake of advanced digital technologies by European manufacturing SMEs.**

Funding of up to EUR 95.000 available to finance your innovative experiment!

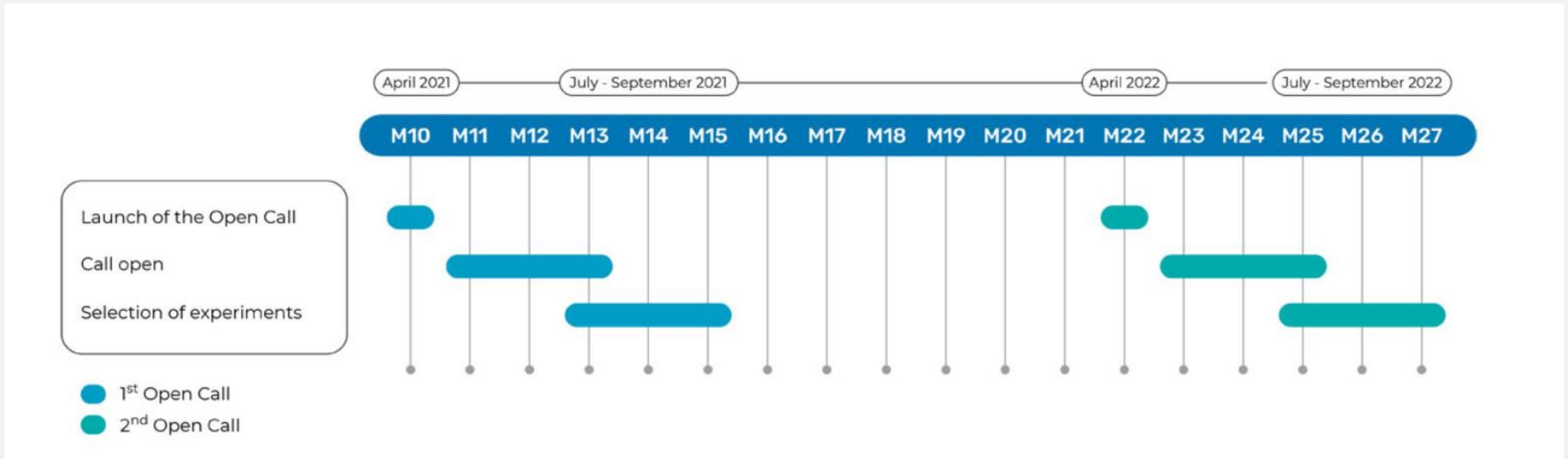
SMEs

Apply to the DIH-World experiments to **integrate digital technologies** in your processes, products or services by collaborating with a Digital Innovation Hub.

DIHs

Support SMEs in integrating digital technologies through an innovative experiment and **get access to the DIH Academy and the DIH-World DIHs network.**

DIH-World experiments timeline



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05.
Community Days

What Community Days are:



- 20 events across Europe
- 2021 topic: **Industry 4.0**
- Break the ice between the SMEs and mid-caps and the DIH and facilitate exchanges and interaction in an informal meeting.

Future Community Days

We will have more Community Days in 2022 and 2023:

- Greater number of events.
- More DIHs in the DIH-World Community.



THANK YOU

Stay tuned at:
www.dihworld.eu
@DihWorld



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