

OPPORTUNITIES FOR DIHS WITHIN THE EUROPEAN CONTEXT

DIH CROSS-BORDERS ACTIVITIES, 20TH APRIL

2021

Begoña Sánchez
TECNALIA

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ABOUT TECNALIA



WHO WE ARE

TECNALIA RESEARCH AND TECHNOLOGICAL DEVELOPMENT



**Technology into
GDP**

SINCE 2011

TECNALIA is a benchmark Research and Technological Development Centre in Europe

MULTISECTORAL
MULTI-TECHNOLOGY



**A MODEL
ANTICIPATING
THE FUTURE**

**A COMBINATION OF TECHNOLOGY,
TENACITY, EFFICIENCY, COURAGE
AND IMAGINATION**

PEOPLE IN TECNALIA



1,472 >

PEOPLE



56%

MEN



44%

WOMEN



31

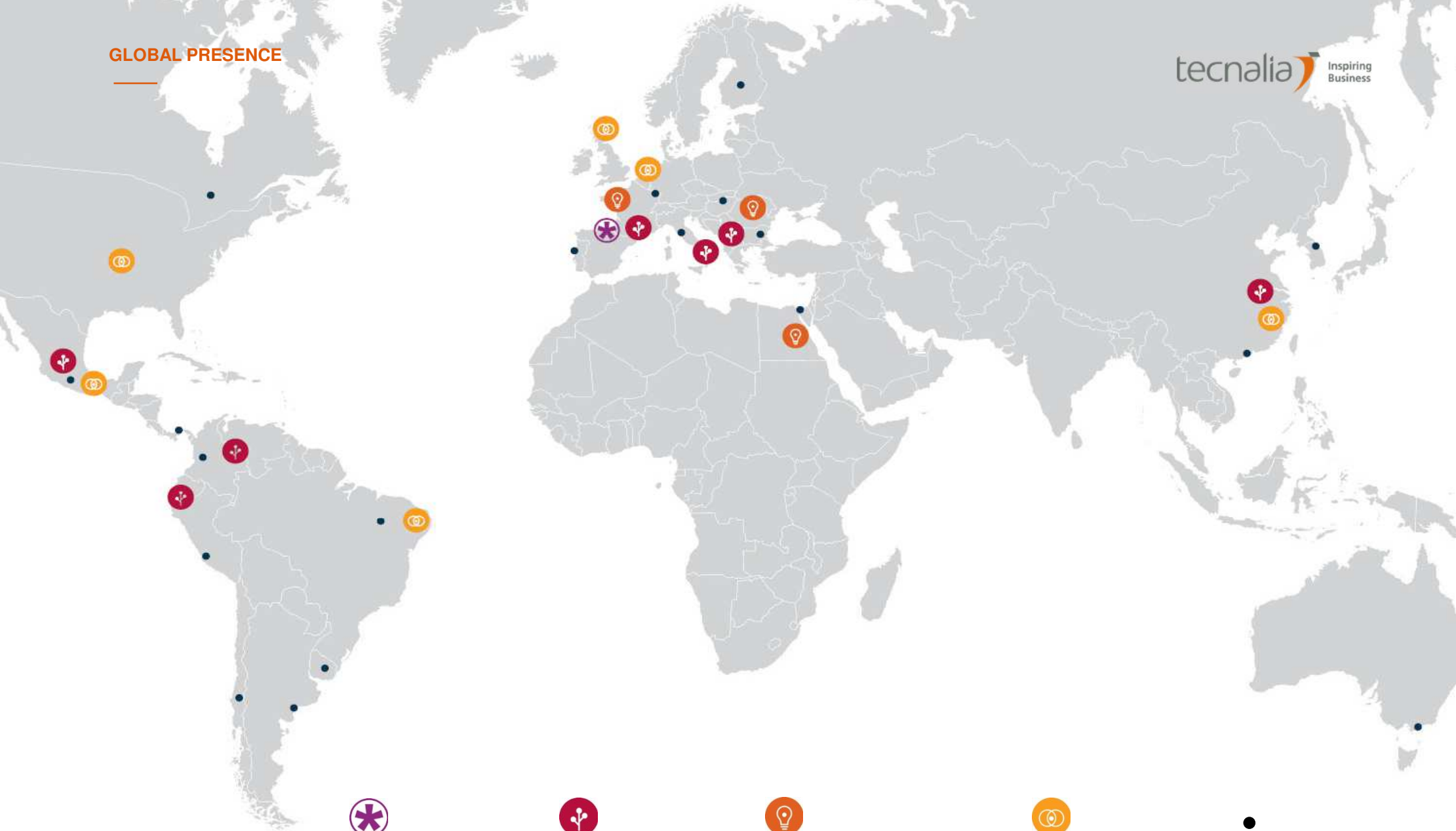
DIFFERENT
NATIONALITIES



267

PhDs

GLOBAL PRESENCE



HEADQUARTERS

Basque Country



BRANCHES ABROAD

China (Nanjing)
Colombia (Bogotá and Medellín)
Ecuador (Quito)
France (Montpellier and Bordeaux)
Italy (Pisa)
Mexico (Mexico City)
Serbia (Belgrade)



ASSOCIATED INNOVATION CENTRES

Bulgaria (Sofia) | ESICenter Eastern Europe
Egypt (Cairo) | ESICenter SECC
France (Anglet) | Nobatek



ALLIANCES

CAAM: China
CIDESI: Mexico
CLAUT: Mexico
JIIP: Belgium
NUTES: Brazil
SEI: U.S.
UNIVERSITY OF STRATHCLYDE: Scotland



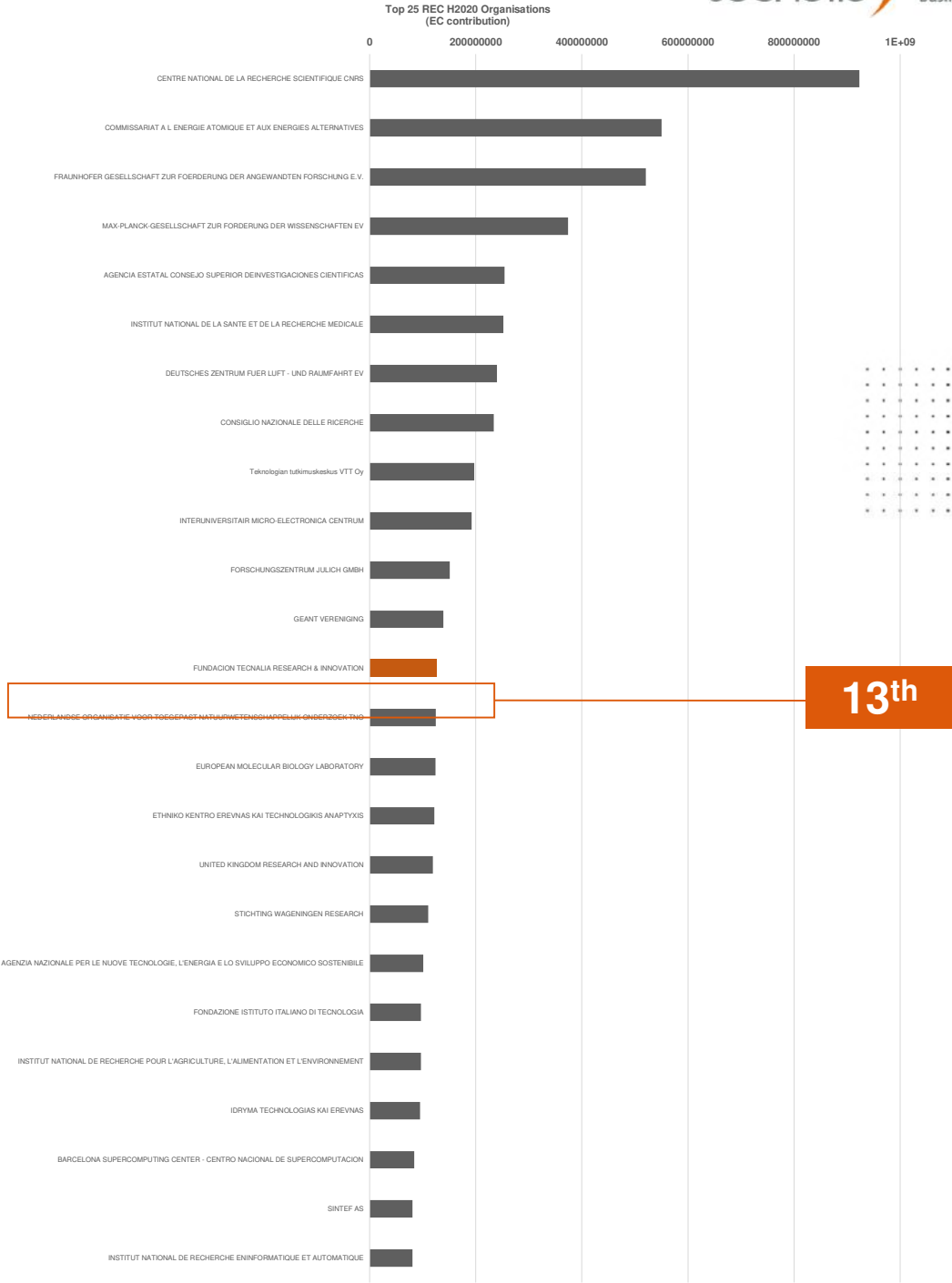
SALES NETWORK



**Private organisation in Spain
in project contracting, participation and leadership
under the EU Horizon 2020 Programme**

EUROPEAN BENCHMARK

**RANKED No. 13
OUT OF 2,900
RESEARCH
EUROPEAN
ORGANISATIONS**



13th

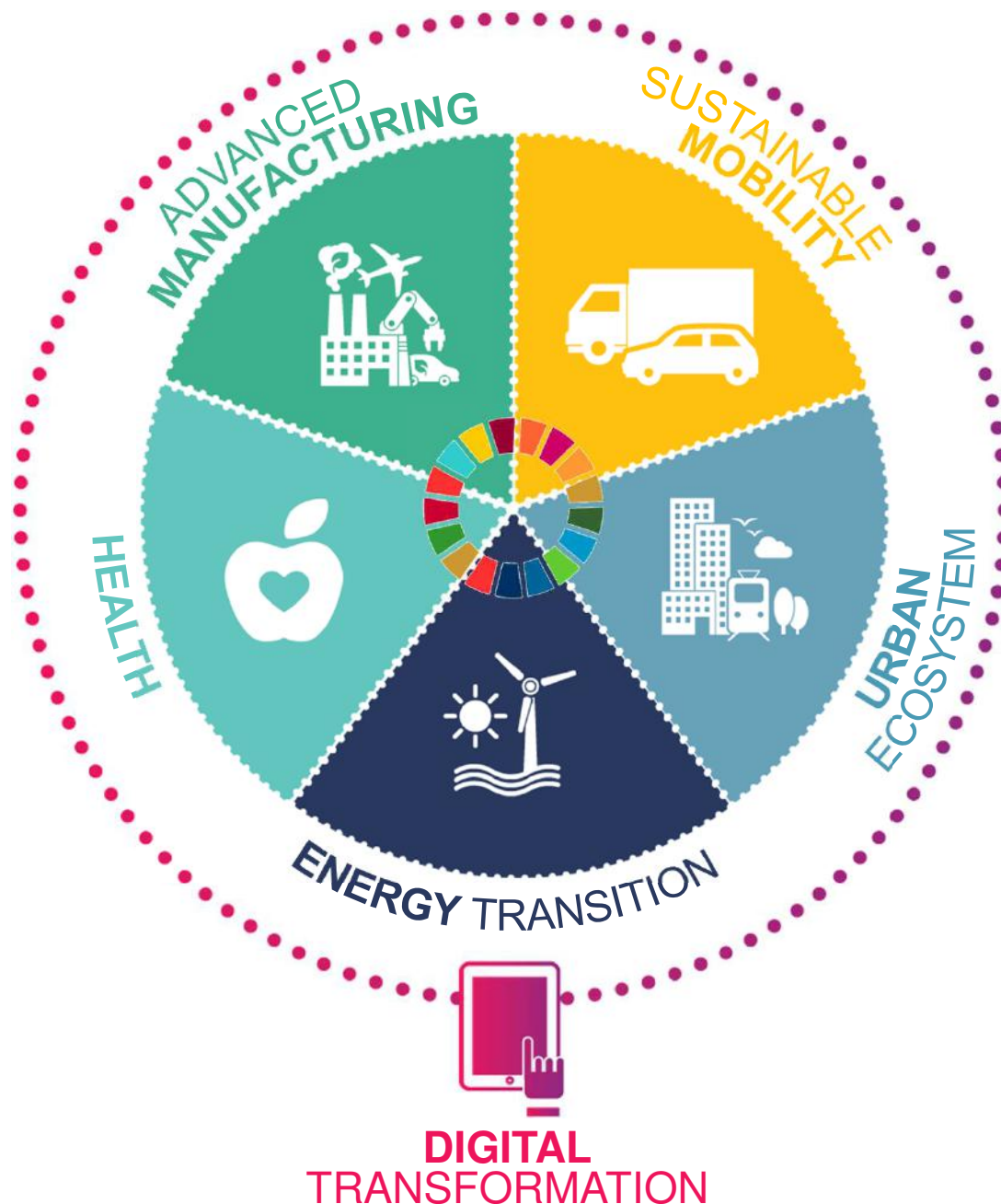
SOURCE: CORDIS

Figures on March 2020

READY TO FACE NEW CHALLENGES WITH YOU

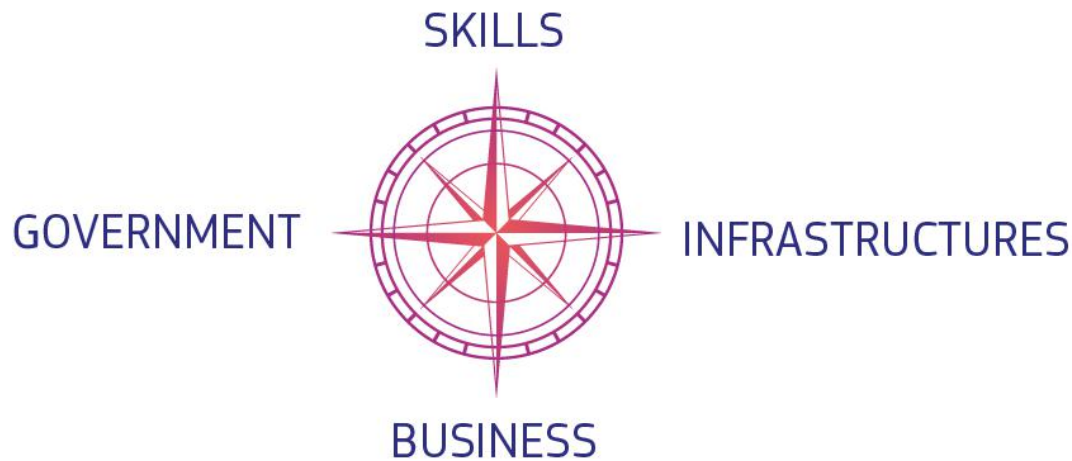
We are alert and ready to face all current challenges and opportunities as well as those which lie ahead.

Along all the paths which lead us to the future.



THE CHALLENGES OF DIGITALISATION

EU's DIGITAL DECADE. TARGETS 2030



DIGITAL COMPASS

Europe aims to empower businesses and people in a human-centred, sustainable and more prosperous digital future.

https://ec.europa.eu/info/strategy/priorities-2019-2024/europe-fit-digital-age/europes-digital-decade-digital-targets-2030_en



Skills

ICT Specialists: 20 millions +

Gender convergence

Basic Digital Skills: min 80% of population



Digitalisation of public services

Key Public Services: 100% online

e-Health: 100% availability medical records

Digital Identity: 80% citizens using digital ID



Digital transformation of businesses

Tech up-take: 75% of EU companies using Cloud/AI/Big Data

Innovators: grow scale ups & finance to double EU Unicorns

Late adopters: more than 90% of SMEs reach at least a basic level of digital intensity



Secure and sustainable digital infrastructures

Connectivity: Gigabit for everyone, 5G everywhere

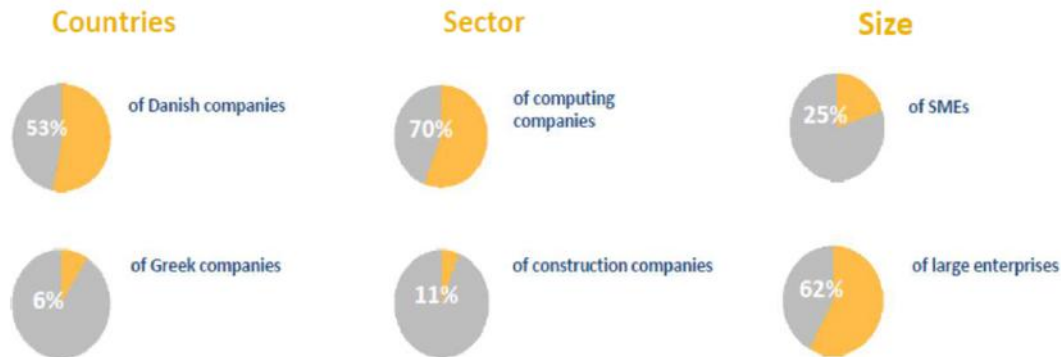
Cutting edge Semiconductors: double EU share in global production

Data - Edge & Cloud: 10,000 climate neutral highly secure edge nodes

Computing: first computer with quantum acceleration

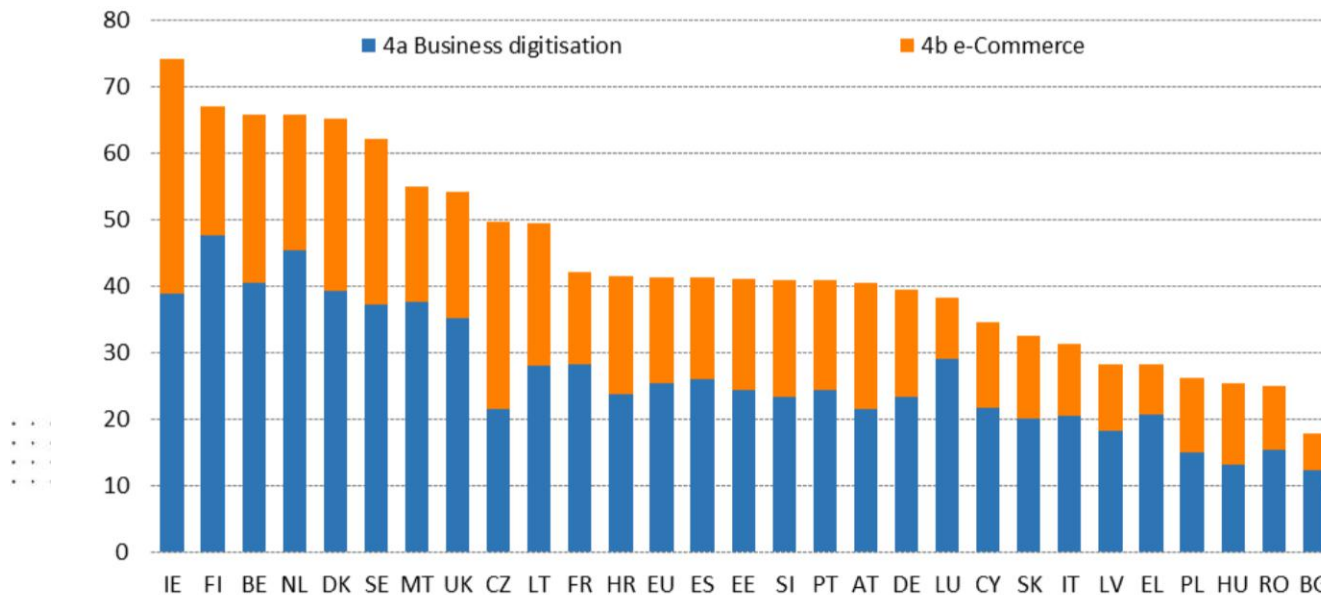
European companies are not making the most of all the opportunities digital has to offer

Highly digitised companies across Europe (2019)



<https://digital-strategy.ec.europa.eu/en/activities/edihs>

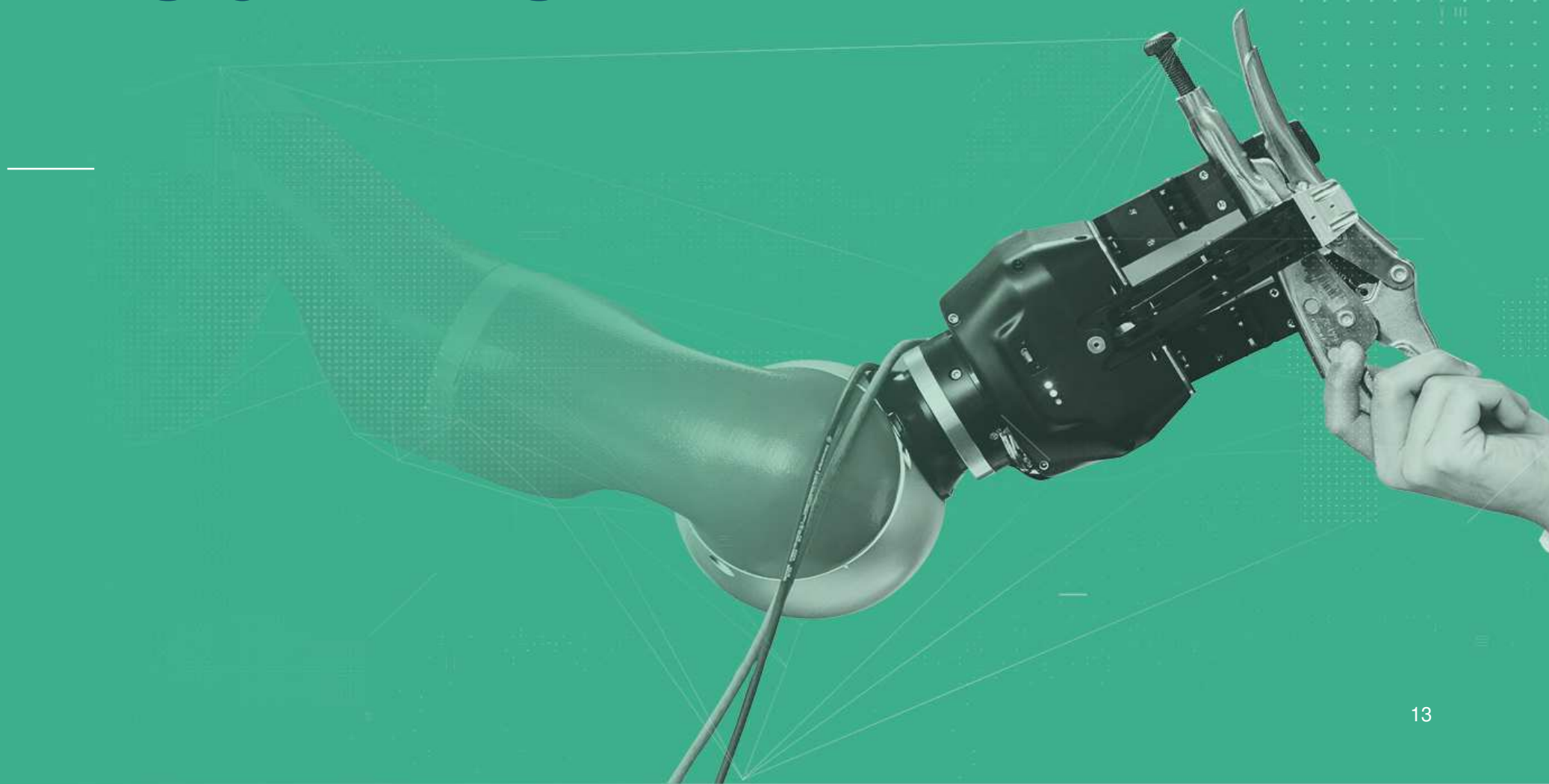
Figure 1 Digital Economy and Society Index (DESI) 2020, integration of digital technologies



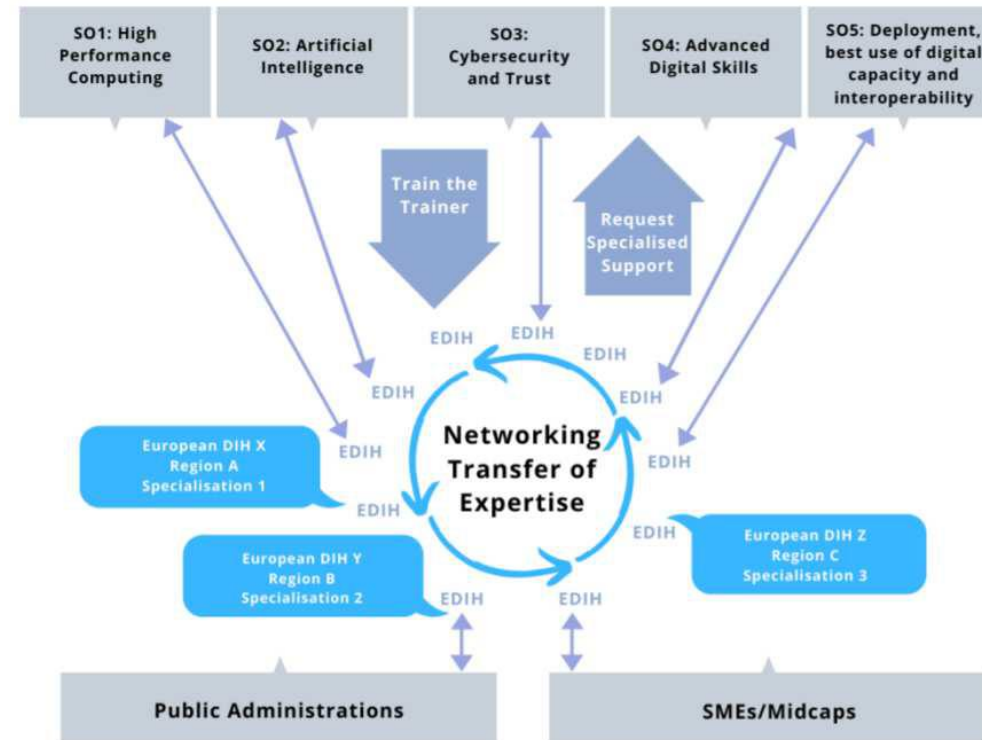
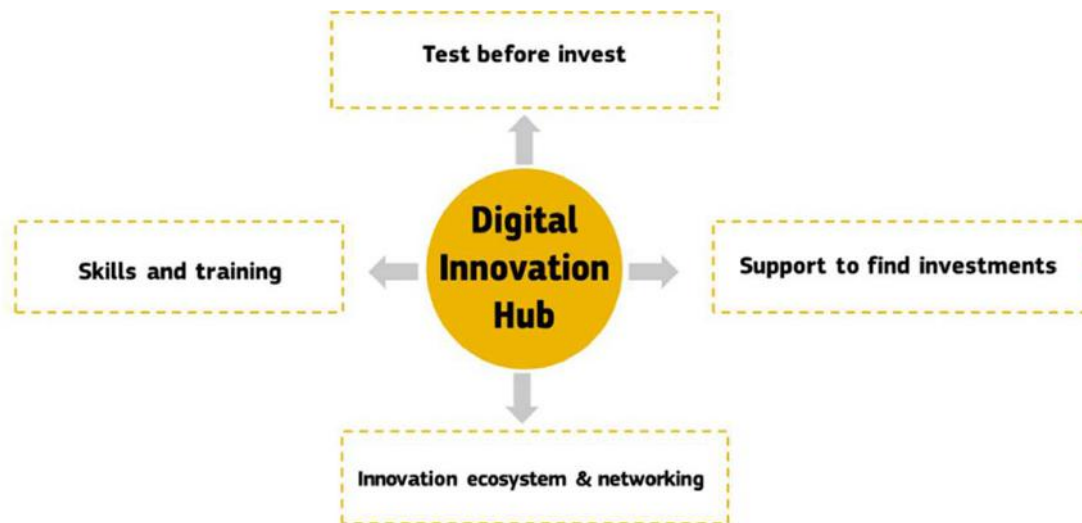
Source: DESI 2020, European Commission.

file:///C:/Users/104941/AppData/Local/Temp/DESI2020Thematicchapters-Integrationofdigitaltechnology.pdf

DIHs & EDIHs



DIHs & EDIHs

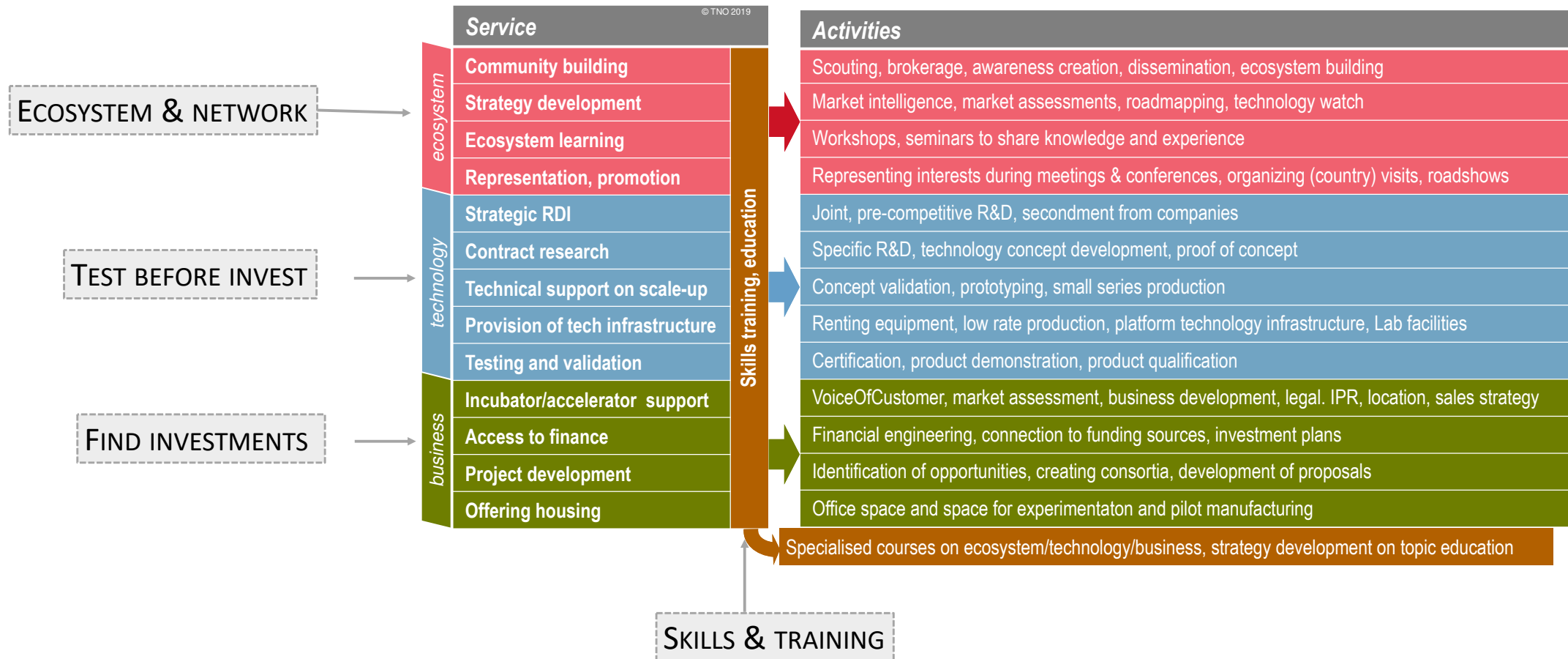


EDIHs provide technological expertise and experimental facilities to enable the digital transformation of industry and of the public sector.

Participants: RTOs, Technical universities in collaboration with Clusters, industry associations, EEN, innovation agencies, accelerators/incubators, vocational training institutes.

Geographical spread network of up to 240 EDIHs expected.

EXAMPLES OF ACTIVITIES AND SERVICES FROM DIHs

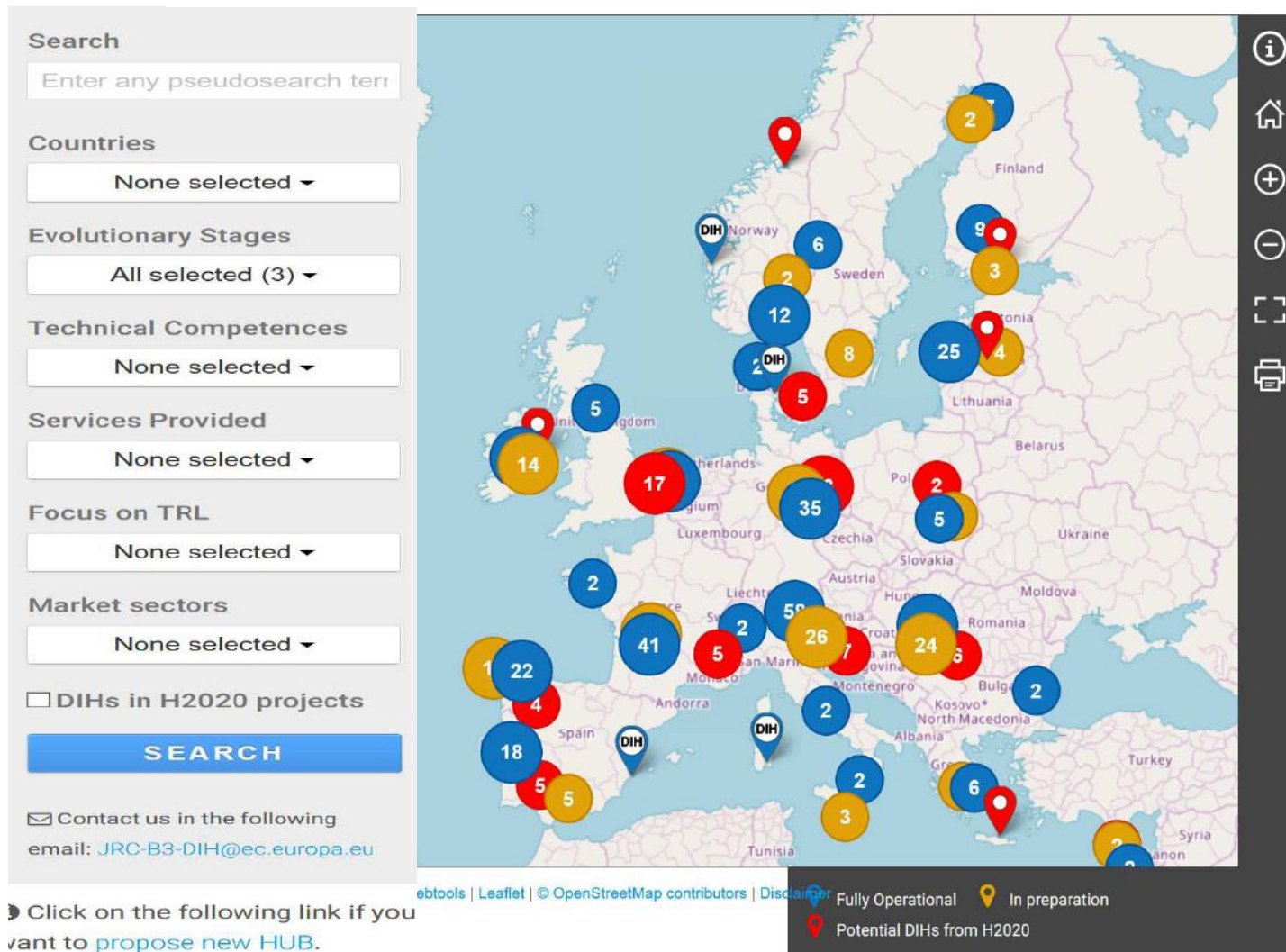


- The Digital Innovation Hubs Catalogue was launched in November 2016 (<http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool>).
- It is part of the implementation of the DEI- Digitising European Industry Strategy, aiming at contributing to the digital transformation of the EU industry.
- The Catalogue is a platform for DIHs to network and cooperate, acceding to information regarding competences and facilities that might not be available at regional level.

- It is a unique repository of DIHs- the Yellow pages.
- It presents DIH fact-sheets with profile, contact data, service examples for regional, national, and EU-supported DIHs.
- It is a map-based search tool by country, evolutionary stage, technical competences, services provided, TRL, market sector.

DIH CATALOGUE. HOW CAN I BE PART OF IT?

DIHs [Candidate European DIHs](#)



675 published DIHs:

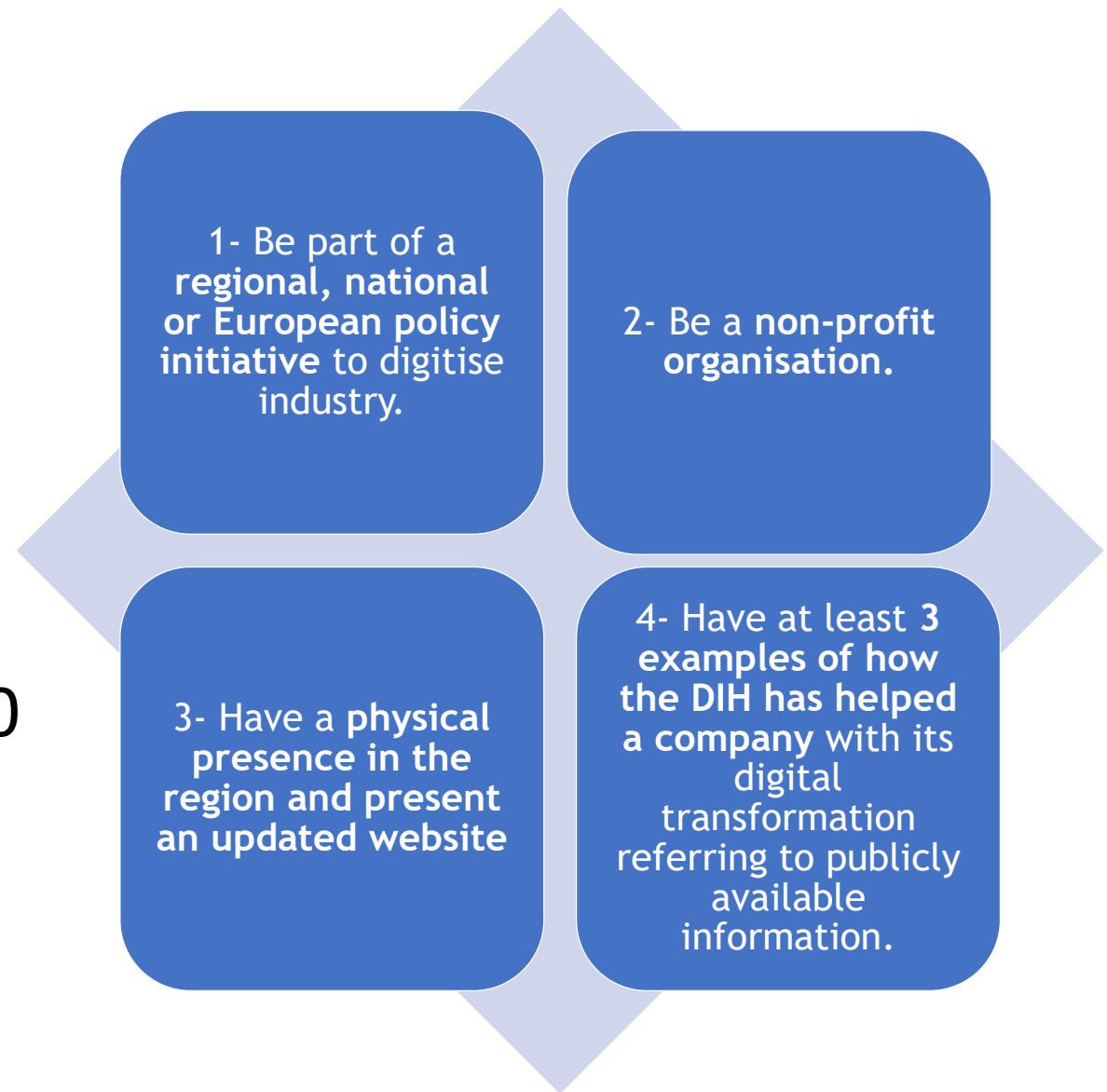
- 380 FO
- 223 IP
- 72 H2020 projects

<https://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-catalogue>

DIH Categories:

- **FO DIH**: All criteria fulfilled.
- **IP DIH**: Criteria 1-3 fulfilled, the 4 can be still improved.
- **H2020 DIH**: DIH resulting from an H2020 project.

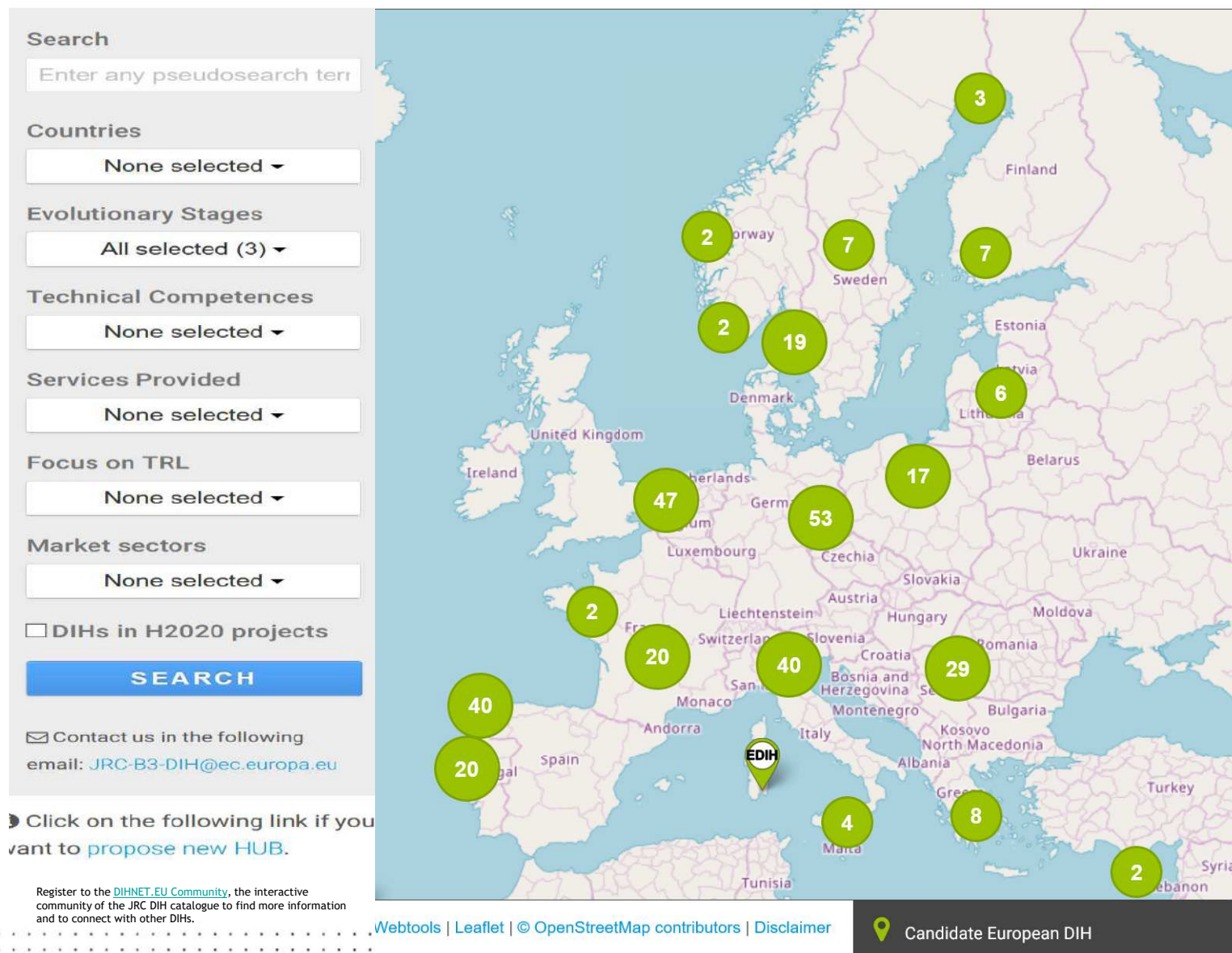
<http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool>



EDIH CATALOGUE

DIHs

Candidate European DIHs



SOME OPPORTUNITIES FOR DIHs & EDIHs



Allocated at European level

Horizon Europe: Support to SMEs and mid-caps to experiment with highly innovative digital technologies in a cross-border setting. European Digital Innovation Hubs and others may apply for these grants, and cascade a large part of the funding to SMEs

Digital Europe: Support to the facilities and personnel of the European Digital Innovation Hubs, to build capacity in Europe to diffuse digital innovations across SMEs and administrations.

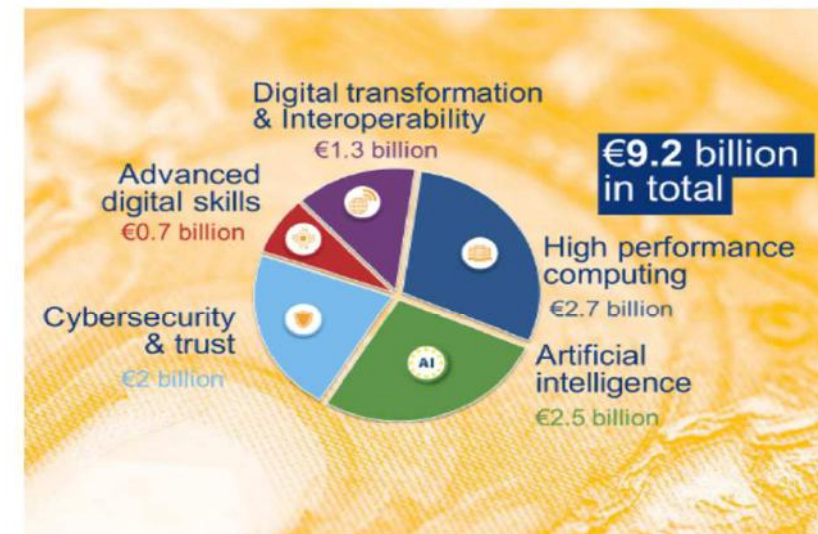
InvestEU: Incentives and risk reduction programmes to help companies find follow-up investment to further complete their digital transformation. The work of the digital innovation hubs will diminish the knowledge gap that exists.

Allocated at national level

European Regional Development Fund: Investments allocated by the Member States to build-up or strengthen the Digital Innovation Hubs infrastructures in their territories and reduce the digital divide. ERDF can be used by Member States to co-invest on EDIHs in Digital Europe.

European Agriculture Fund for Rural Development: Investments allocated by Member States to foster knowledge transfer and innovation in agriculture, forestry and rural areas. EAFRD can be used by Member States to co-invest on EDIHs in Digital Europe.

Continuation of initiatives like I4MS



The DIGITAL Programme is the first financial instrument of the EU focused on bringing digital technology to businesses and citizens

<https://digital-strategy.ec.europa.eu/en/activities/edihs>

DIHNET.EU Project



It focuses on creating a sustainable European network of DIHs, developing a set of tools and fostering the collaboration of different DIH networks, DIHs and other key actors in Europe



DIHNET.EU
Community

- More than 1450 members
- Please join us!

DIHNET Champions
Challenge



DIHNET.EU Community: a central information point for DIHs



DIHNET.EU

will offer services
and tools to DIHs



DIHNET.EU

will boost DIHs
collaboration



DIHNET.EU

will create a pan-European
network of DIHs



DIHNET.EU

invites you to join
the DIHs community

Dynamic community of the JRC Catalogue

1. Get information;
2. Share your views;
3. Learn from others;
4. Facilitate alignment and synchronisation;
5. Offer common resources;
6. Select best practices;
7. Training activities;
8. Foster collaboration among Hubs.



I4MS

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 951848.

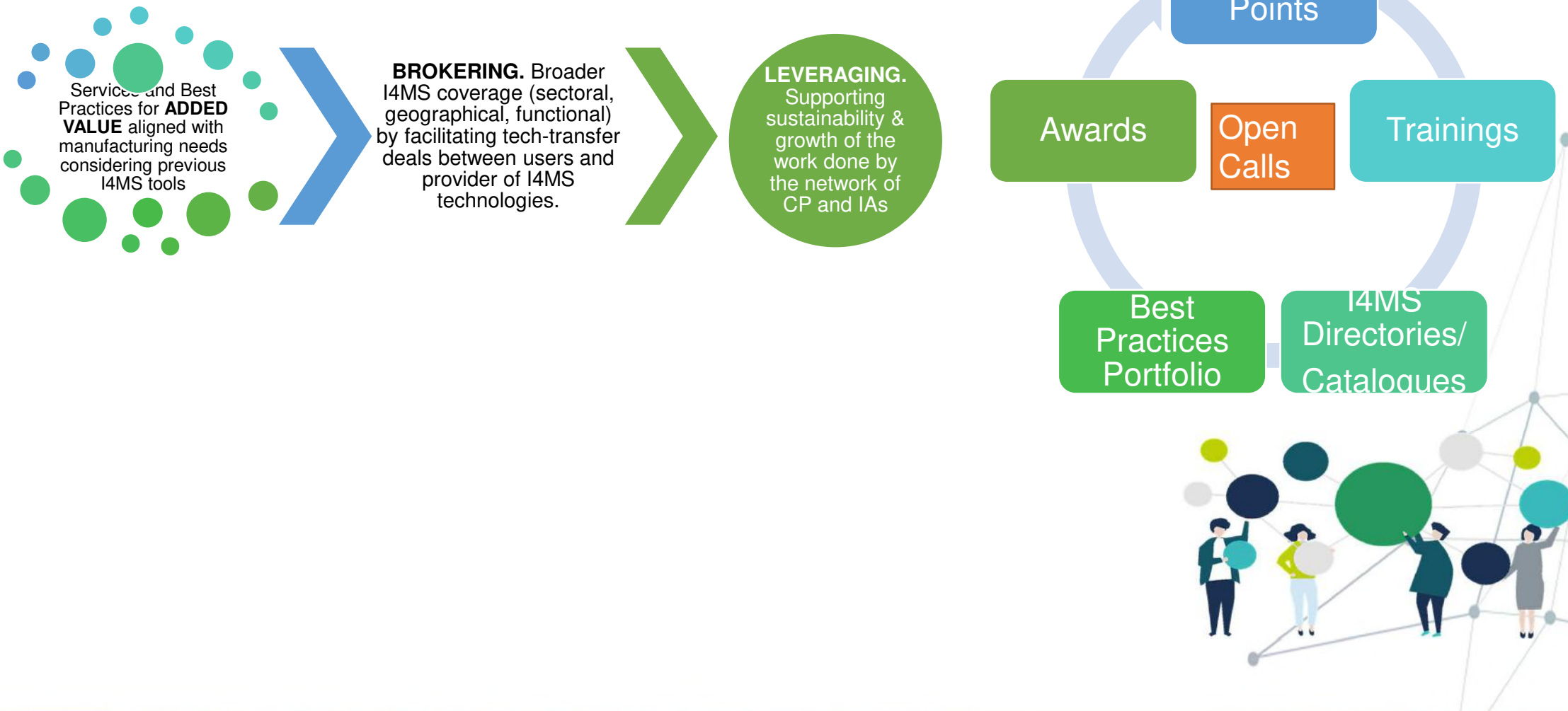


FundingBox



tecnalia

I4MS Value proposition and best practices



Do you want to become a Contact Point?

Join our Network of I4MS Contact Point!

@marioroca 01/21/2021

0 Comments · 78 Views

robotics internet-of-things manufacturing 3d additive-manufacturing



<https://i4ms-contactpoints.fundingbox.com/>

What do we offer you?



VISIBILITY

Exposure in our communication channels:
Share your activities with I4MS followers
across our social media channels.
(Newsletter, Twitter, LinkedIn).



SPECIAL CONTENT

Latest market trends, featured articles,
funding opportunities, and I4MS opportunities
like open calls launches, awards and events.



ACCESS TO I4MS COMMUNITY

The I4MS Community brings together all
the key players of the smart manufacturing
industry in Europe working for the digitisation
of manufacturing SMEs.



EXCLUSIVITY

Participate in special activities exclusively
for our community members (webinar offers,
I4MS Ambassadors, interviews, and more).



ACCESS TO TRAININGS

Join the training sessions and take advantage of the
knowledge of the project's consortium.

What does it mean to become a Contact Point?

- Be formally linked to I4MS initiative to replicate **solutions and services**.
- Connect with key stakeholders** of the industry 4.0 European ecosystem.
- Have access to **first-hand information** about **digital transformation**, trending topics and funding opportunities.
- Participate** in the I4MS online community.



i4ms.fundingbox.com

SILVER

Cross-dissemination partnership

Focused on cross-dissemination activities, where I4MS Contact Point act as multipliers and inform their network of contacts about the I4MS available opportunities.

- ✓ Share opportunities among SMEs
- ✓ Include I4MS banner in your website
- ✓ Publish posts in the online community
- ✗ Invitation to respond to I4MS surveys
- ✗ Organise events in the I4MS community
- ✗ Offer support to SMEs through the I4MS Brokering System

JOIN NOW

GOLD

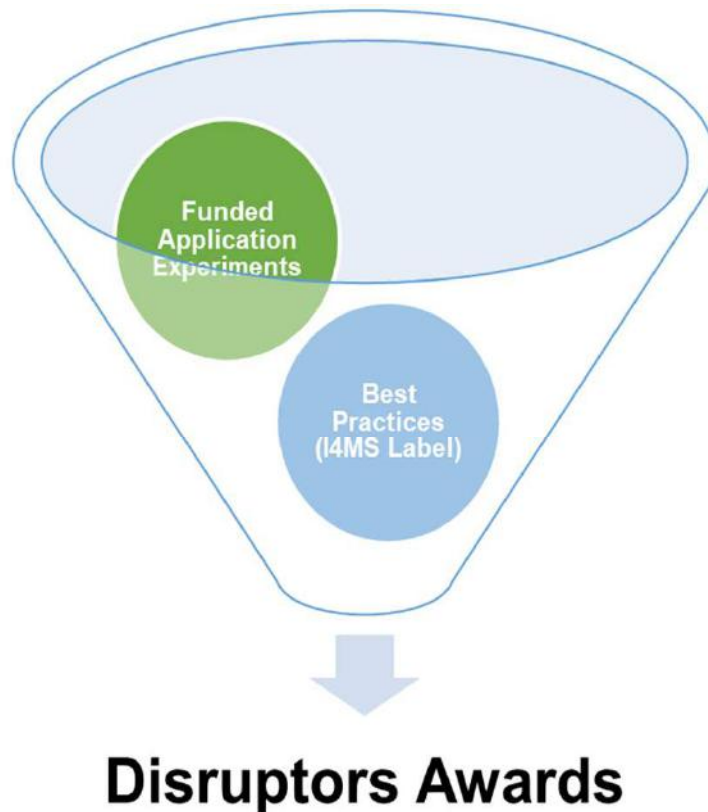
Extend I4MS technologies partnership

Focused on providing SMEs the necessary knowledge on I4MS and support them via the I4MS online brokering system. Additionally, you will enjoy training sessions on marketing strategies to attract SMEs and the use of I4MS technologies.

- ✓ Share opportunities among SMEs
- ✓ Include I4MS banner in your website
- ✓ Publish posts in the online community
- ✓ Invitation to respond to I4MS surveys
- ✓ Organise events in the I4MS community
- ✓ Offer support to SMEs through the I4MS Brokering System

JOIN NOW

Take part on our I4MS Best Practices Portfolio



1. Creation of the AEs Portfolio at I4MS website

(<https://i4ms.eu/application-experiments/>)

2. How to select BPs of AEs? In collaboration with IA.

3. Create at the Community the AEs BPs Portfolio

1. .

4. I4MS Label to the Companies from the AEs. This Label is a recognition from I4MS.

5. Disruptors Awards. The awards give visibility to the BP identified & to the companies participating in these experiments that had an impact.

Join our Working Groups

- WGs are a key for I4MS project to **enhance the community** and to generate a **value proposition** for the project.
- **We discuss on common challenges & set up joint strategies** to leverage investments for the benefit of European manufacturing industry and provide **policy recommendations**.

WGs take advantage from Interactive activities, specially I4MS Talks



WG are **'advisory bodies'/think tanks** to complement I4MS value proposition by means of high level dialogue.

2 Working Groups launched

- **Best Practices** and supporting Mechanisms on **Digital Transformation**.
- **Upskilling challenges**.



Follow the work of the WGs!

Please follow us up at the WGs spaces where we will continue the discussions in private.

▪ **Skills:** <https://spaces.fundingbox.com/spaces/i4ms-i4ms-wg-upskilling-challenges-in-the-manufacturing-industry>

✓ **Best Practices:** <https://spaces.fundingbox.com/spaces/i4ms-i4ms-wg-best-practices-and-supporting-mechanisms-on-digital-transformation>

I4MS WG Best Practices and supporting mechanisms on Digital Transformation

These WGs aim to generate a high-level dialogue on the relevant challenges and gaps and to identify possible best...

I4MS WG Upskilling challenges in the manufacturing industry

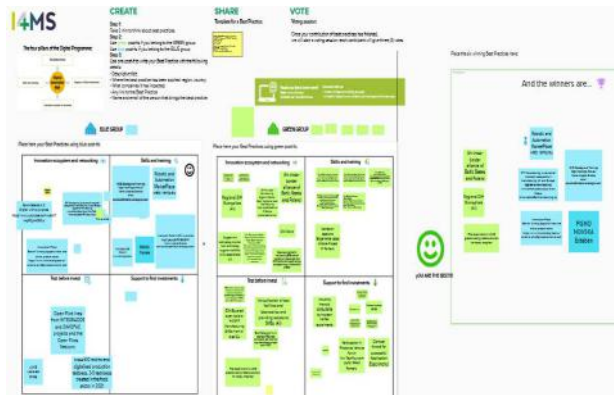
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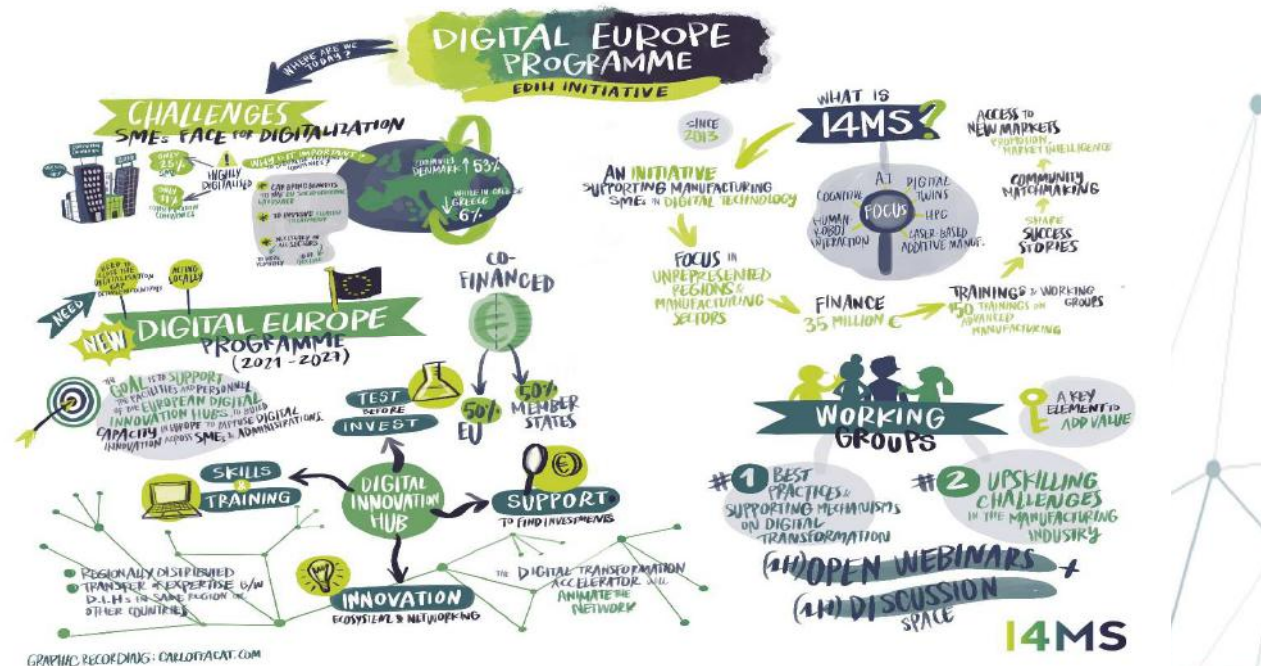
Working Groups meetings

- First I4MS Talk & WG meeting on Digital Europe Programme, on 17th December 2020,

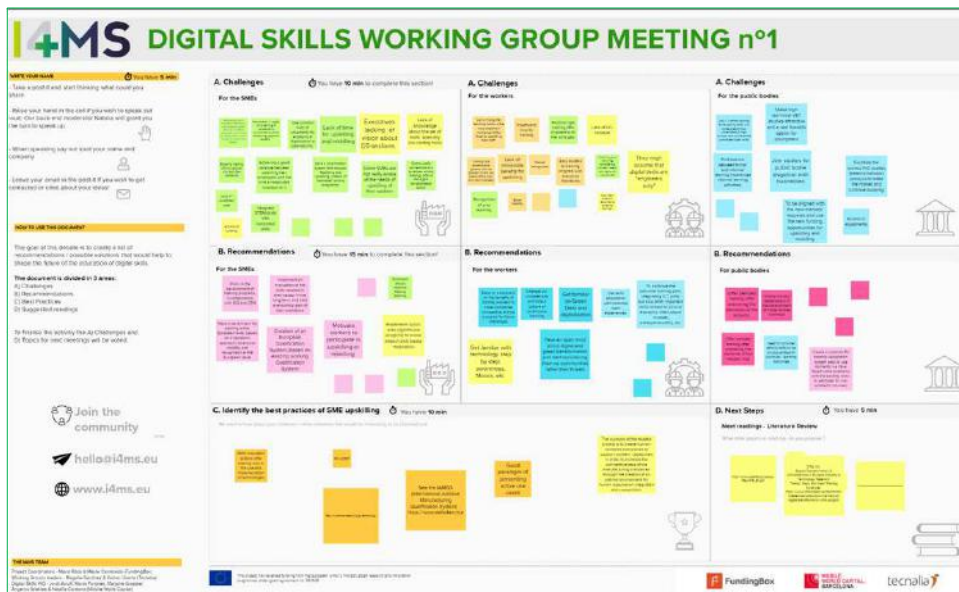
<https://spaces.fundingbox.com/spaces/i4ms-i4ms-wg-best-practices-and-supporting-mechanisms-on-digital-transformation/5fe0b4a6f9a7a75c28f3fa54>



- EIT Manufacturing, : <https://eitmanufacturing.eu/>
- Innovation Place: <https://www.innovationplace.eu/>
- Pismo Novska metal industry - <https://inkubator-pismo.eu/>
- DIH² project <http://dih-squared.eu/content/we-accelerate-factories-through-robotics>.



- <https://i4ms.eu/i4ms-talk-the-future-of-work-digital-transformation-of-employment-in-the-manufacturing-sector/>



THANK YOU FOR YOUR ATTENTION

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