

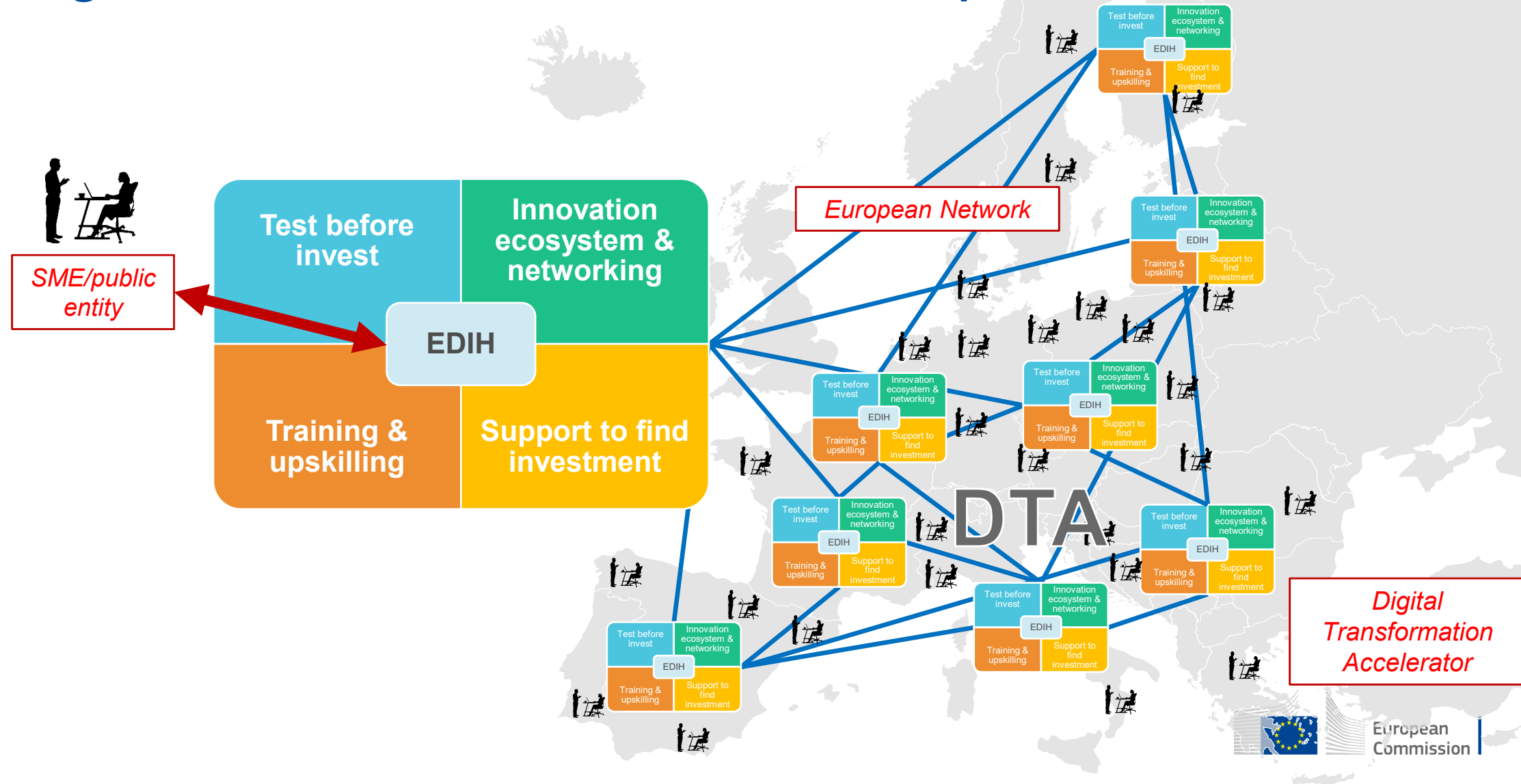


European Digital Innovation Hubs en la Agenda de Innovación Europea

*Yves Paindaveine, Ir EE, Ir CSE
Digitalización de ecosistemas industriales
Comisión Europea, DG CONNECT/A4
24 Noviembre 2022*

#DigitalEU

Digital Innovation Hubs: un enfoque "UE-Local"



Catálogo de EDIHs

Digital Innovation Hubs

DIHs **European DIHs**

Search

Countries

Technologies

Services Provided

Sectors

Type

Internal Hub Id

Refine results

Contact us in the following email: JRC-DIH@ec.europa.eu

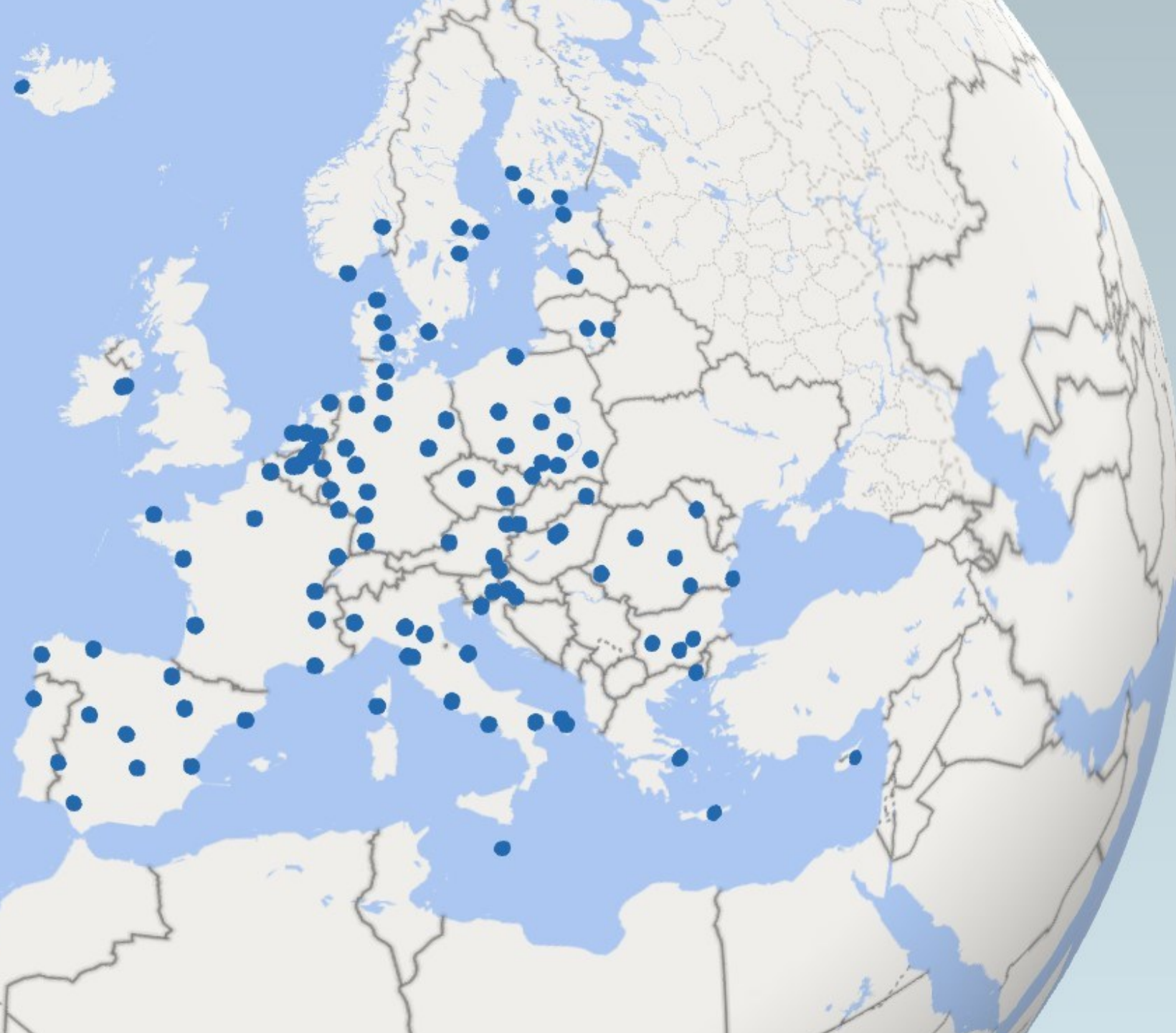
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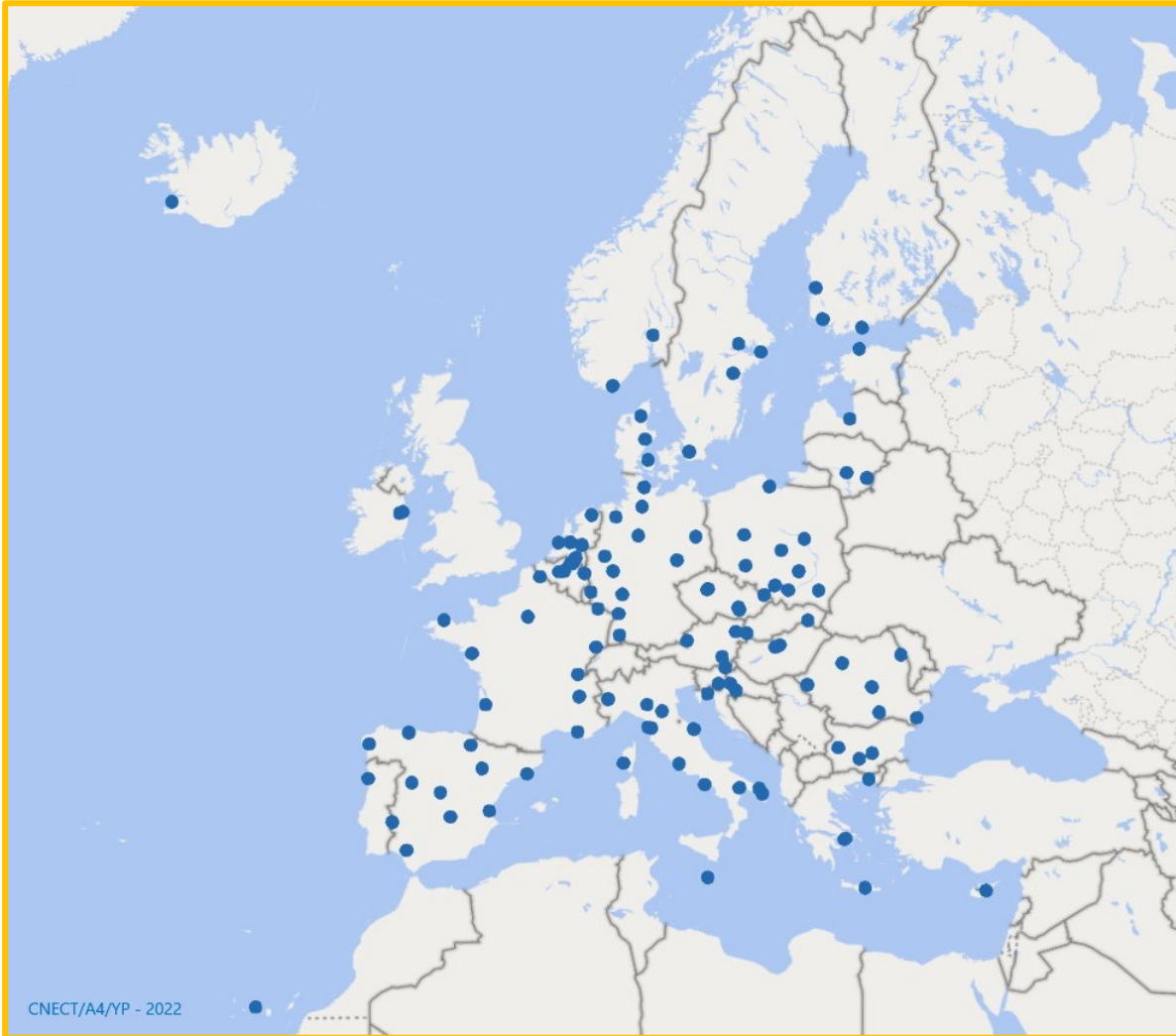
[Instructions for editing your candidate EDIH](#)



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

1^{ra} convocatoria
¿Dónde estamos?





- 136 EDIHs
- Inicio de los EDIHs por mayoría Octubre, Noviembre, en Enero
- ~70% de convenciones de subvención firmadas

12 EDIHs con cofinanciación europea

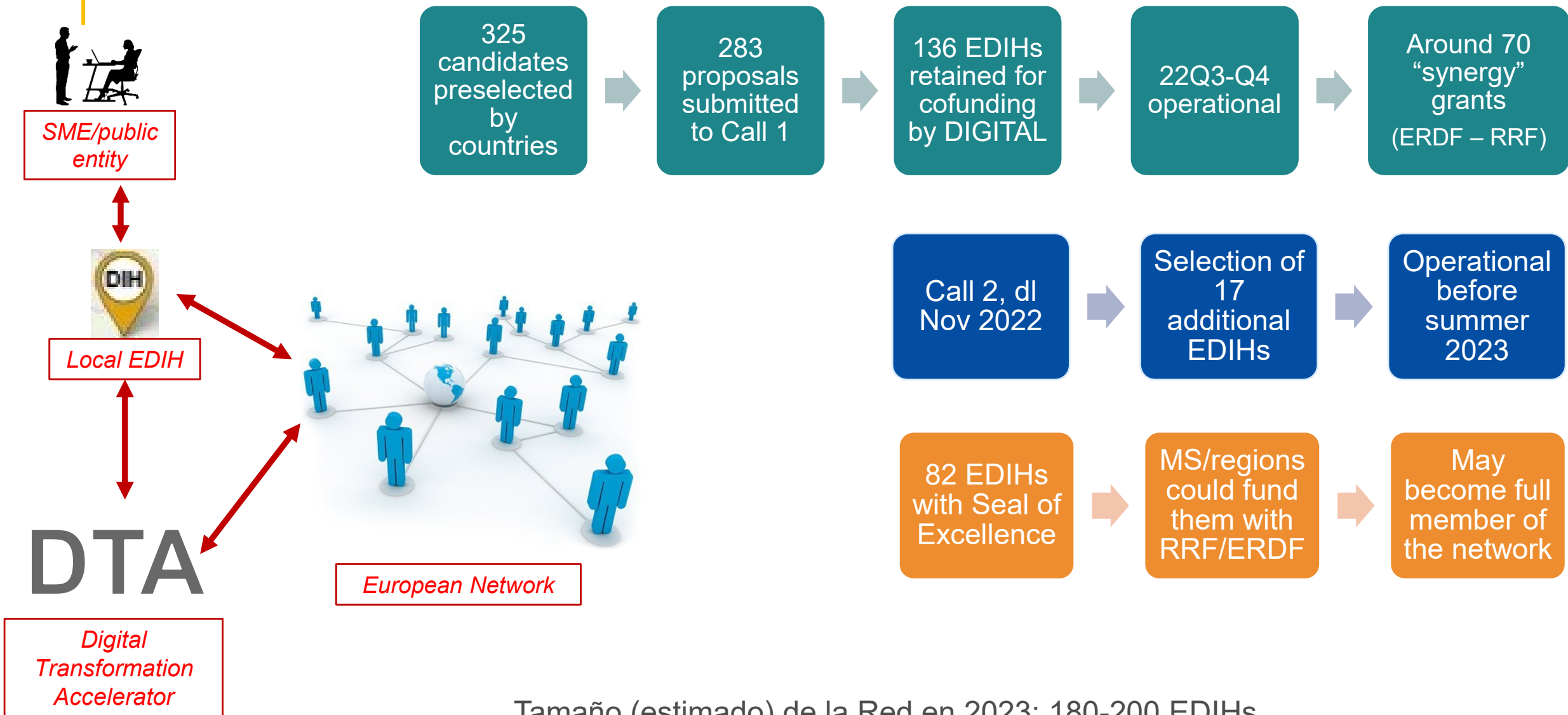
EDIHs	Coverage (territory)	Technologies	Targeted sectors	Public Sector
i4CAMHUB	Castilla La Mancha	VR/AR, Sensors and Wearables, Computer-aided Design, AI, Cybersecurity, HPC	Manufacturing, Agri-food	No
InnDIH	Valencia	AI and related technologies	Health and Quality of Life, Advanced Manufacturing	Yes
DIH4CAT	Catalonia	AI, Cybersecurity, HPC, Other Advanced Technologies	Industrial, Manufacturing and Public Sectors	Yes
AgrotechDIH	Andalusia	AI, HPC, Other Advanced Digital Technologies	Agri-food	Yes
CIDIHUB	Canary Islands	HPC, AI, Cybersecurity, Advanced Digital Skills	Tourism, Green & Blue Economy, Manufacturing	Yes
DIGIS3	Castilla-Leon	AI, IoT, HPC and Industry 4.0.	Industry 4.0, Smart Renewables, Smart Farming, Circular Economy, Smart Cities and Territories, eGovernment and Data Spaces	Yes
EDIH MADRID REGION	Madrid, All of Spain	AI, cybersecurity, HPC, Other Technologies	Nanoscience, Advanced Materials, Space Tech, mobility	Yes
Aragon EDIH	Aragon	AI, Cognitive Systems and Smart Technologies, supported by HPC	Manufacturing, Construction, Public Administration, Health, Tourism, Banking	Yes
AsDIH	Asturias	Additive Manufacturing, Data Analysis, Sensory, Artificial Vision	Metal Industry, Agri-food, Process Industry	No
DATAlife	Galicia	AI-based technologies, Data Analytics, IoT HPC	Healthcare, Biotechnology, Forestry, Agri- and Sea- food	Yes
IRIS	Navarre	AI, Supercomputing	Automotive, Mechatronics, Agri-food, Energy, Healthcare	Yes
Tech4EfficiencyEDIH	Extremadura	AI, Cybersecurity, HPC	Agriculture, Manufacturing	No

11 EDIHs con Sello de Excelencia

EDIH	Coverage (territory)	Technologies	Targeted sectors	Public Sector
AIR-Andalusia	Andalusia	AI, Robotics, HPC, Cybersecurity	Health, Biotechnology, Industry, Transport, Aerospace	Yes
DIH-bio	Madrid Region	AI, Cybersecurity, HPC, Computational Biology, Synthetic Biology, Biomedical Research, Nanoscience, Nanotechnology, Genomics, Bioinformatics	Health, Biotechnology	Yes
Digital Impulse Hub	Catalonia	HPC, AI, Cybersecurity, Big data, Cloud, AR/VR, IOT	Advanced Manufacturing, Market Intelligence, e-Commerce, e-Business, Edtech and New Digital Media	Yes
AIR4S	Madrid Region	AI, Robotics	Health and Wellbeing, Energy, Mobility, Industry, Agrifood, Education	Yes
DIHGIGAL	Galicia	AI, HPC/Big Data	Auto, Food, Shipbuilding	No
AGORA DIH	Murcia	AI, Cybersecurity, IoT, Cloud computing, 5G, Robotics, Cyberphysical Systems	Agrifood industry, Quality of Life, Energy, Sea and Marine Affairs	No
INFAB HUB	Galicia, Northern Portugal	AI, Digital Twins, Blockchain, IoT	Automotive and Transportation, Aerospace, Naval, Textile	No
Cantabria DIH	Cantabria	AI, HPC, Other Technologies	eHealth & Silver Economy, Industry 4.0, Smart Tourism & Culture Services	Yes
DIHSE	Castilla-Leon	AI, HPC, Cybersecurity, Robotics, VR/AR, Agri-food, Health, Tourism Smart Information Processing		Yes
eDIH La Rioja 4.0	La Rioja	AI, Data Processing and Analysis	Agriculture, Automotive, Footwear	No
BDIH	Basque country and Navarra, Nouvelle Aquitaine (France)	AI, Cybersecurity	Medical Devices, Manufacturing, Transport, Logistics, Aerospace, Automotive, Metalwork and Metallurgy, Utilities and Electricity Production, Construction	



Red de European Digital Innovation Hubs



Tamaño (estimado) de la Red en 2023: 180-200 EDIHs

EDIHs Call 1

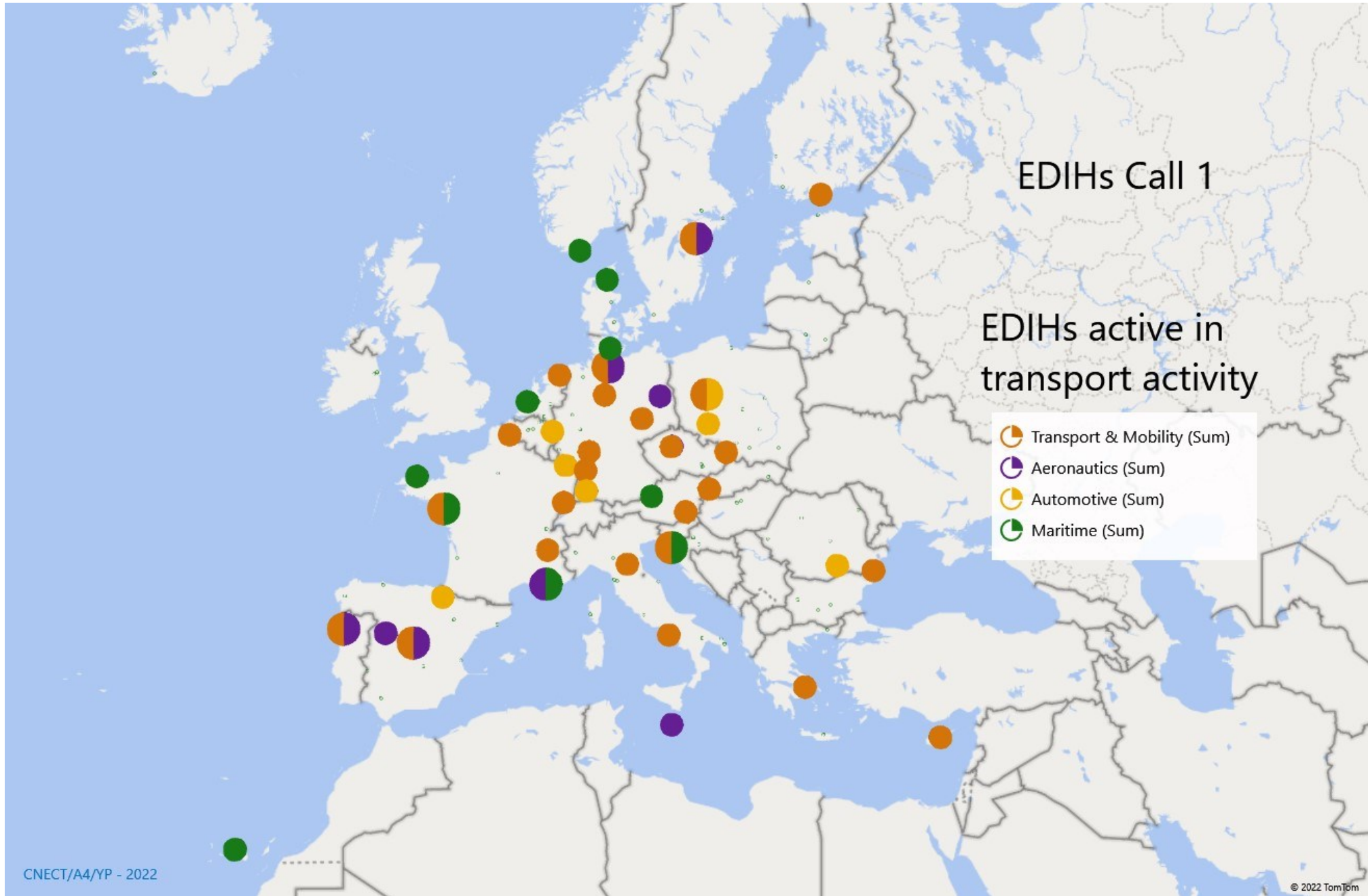
EDIH by technology (top 3)

- Artificial Intelligence & Decision support (Sum)
- High performance computing (Sum)
- Cybersecurity (Sum)

EDIHs Call 1

EDIH by sector (top 3)

- Manufacturing and processing (Sum)
- Health care (Sum)
- Agricultural biotechnology and food biotechnology (Sum)



**Pensado
mas allá**



Connecting ecosystems: 2 points in case

• Artificial Intelligence

- 75% EDIHs with (some) AI expertise
- ~ 60 EDIHs with partners that are also part of AI initiatives (AI-on-demand platform, Network of Excellence, R&I projects. Testing&Experimentation Facilities yet to come)
- ~ 20 EDIHs without common partners in AI initiatives

• High Performance Computing

- ~ 50 EDIHs with partners that are also HPC CC
- ~ 40 EDIHs with knowledge on HPC
- ~ 40 EDIHs with no knowledge on HPC

Collaboration AI European ecosystems - EDIH

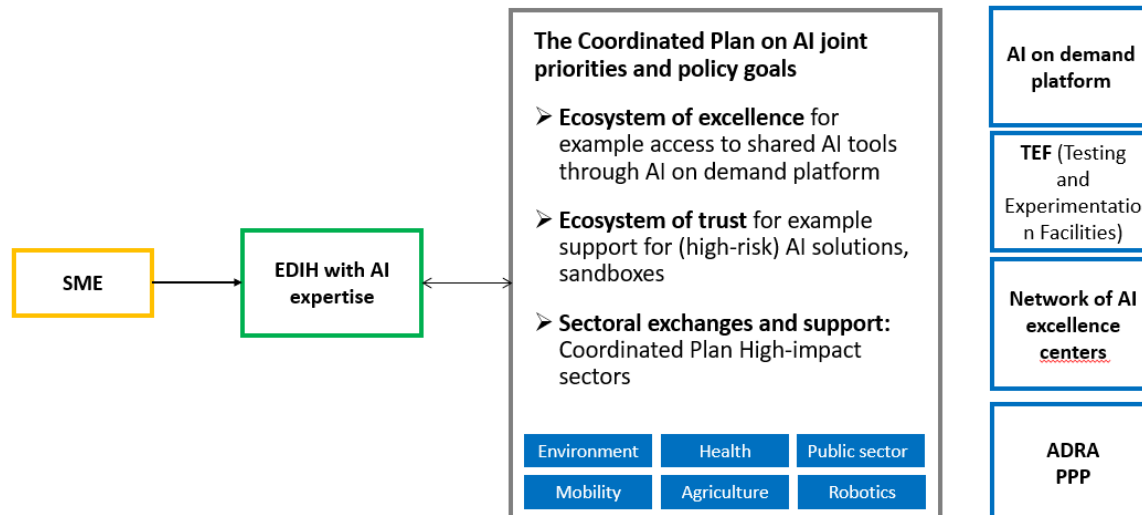
In order to reach out to all SMEs that can benefit from AI

AI European ecosystems

- AI-on-demand platform, Network of Excellence, R&I projects, AI Act, possible national sandbox, ...
- Testing&Experimentation Facilities on AI: *soon (early 23)*
- Make available tools, solutions, services, infrastructures ... to researchers, innovators, startups mainly

EDIHs

- Mix of generalists and AI specialists (technology/sector)
- One stop shop for digital transformation at regional level
- Mix of services, from basic training to advanced technology deployment
- *“At least one EDIH per country with AI expertise”*

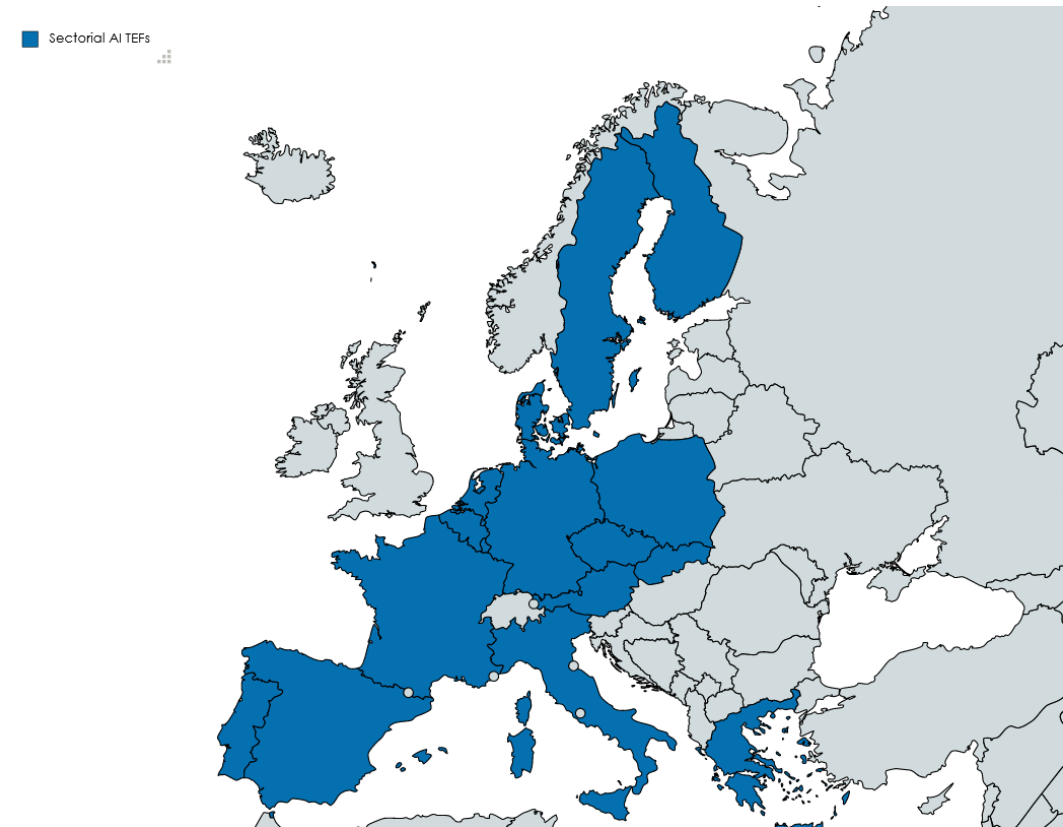


➔ Selection and task list for presentation/discussion at the high-level meeting of the group of MS early December

Added value of sectorial AI TEFs

- **world-class reference technology infrastructures** at EU level addressing gaps in the value chain, from the lab to the market
- **deployment and uptake of trustworthy AI** in support to the AI Act
- Support for **European technology providers** of AI solutions to increase AI IP* assets

Member State coverage of sectorial TEFs



4 AI TEFs covering a broad range of sectors

- Agrifood TEF
 - from farm to food processing
- Smart cities & communities TEF (Citcom.ai)
 - on energy, mobility, local infrastructures
- Health TEF
 - health care, notably neurotech, cancer, cardio-vascular & intensive care
- Manufacturing TEF (AI-Matters)
 - resilience and flexibility of supply chains & shop floor optimisation

Manufacturing TEF: AI-Matters

- **Focus**

- resilience and the flexibility of manufacturing/production sector
- factory-level optimization, collaborative robotics, circular economy

- **Budget**

60 MEUR /5 years (30MEUR DIGITAL)

- **Targets**

- 800+ companies served by the TEF
- 200+ manufacturing companies taking up AI and robotics solutions

- **Countries**

FR, DE, DK, NL, CZ, **ES**, EL, IT

Smart cities & communities TEF: Citcom.AI

- **Focus**
 - energy & environmental solutions, with a focus on demand prediction and consumption
 - urban mobility & logistics
 - local infrastructures, with a focus on water and waste management
- **Budget**

40 MEUR / 5 years EU+MS co-funding
- **KPIs**
 - 260+ experiments, 180+ solutions
 - reduction of robotic automation costs by 18% and time by 30%
 - increase of 20% of start-ups and SMEs that take up AI and/or robotics
- **Regulatory sandboxes**

testing of algorithmic/AI or robotic innovation with relevant authorities/regulations
- **Countries**

DK, SE, FI, NL, BE, LU, FR, DE, **ES**, PL, IT

A map of Europe and its surrounding regions, including parts of North Africa and the Middle East. The map is overlaid with numerous small blue dots, representing data points or locations. The dots are distributed across the continent, with a higher density in Western and Central Europe. A white rectangular box is positioned on the right side of the map, containing the text '¿Preguntas?'.

¿Preguntas?

More information...

Webinars on EDIH <https://digital-strategy.ec.europa.eu/en/news/cycle-workshops-european-digital-innovation-hubs>

List of the hubs selected in Call 1 <https://europa.eu/!Xckxyj>

List of contact persons in Member States: <https://europa.eu/!4wvBnq>

Specific guidance for EDIH-EEN-Clusters cooperation <https://europa.eu/!gvWyWP>

FAQ and other guidance documents <https://europa.eu/!Xu37yW>

Thank you

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Contact



CNECT-DIH@ec.europa.eu

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