European Digital Innovation Hubs Network

Driving the EU’s digital transformation

European
Digital Innovation
Hubs Network

Spain

25
Members

12/**25** ***EDIHs**

13/**25** ****SoEs**

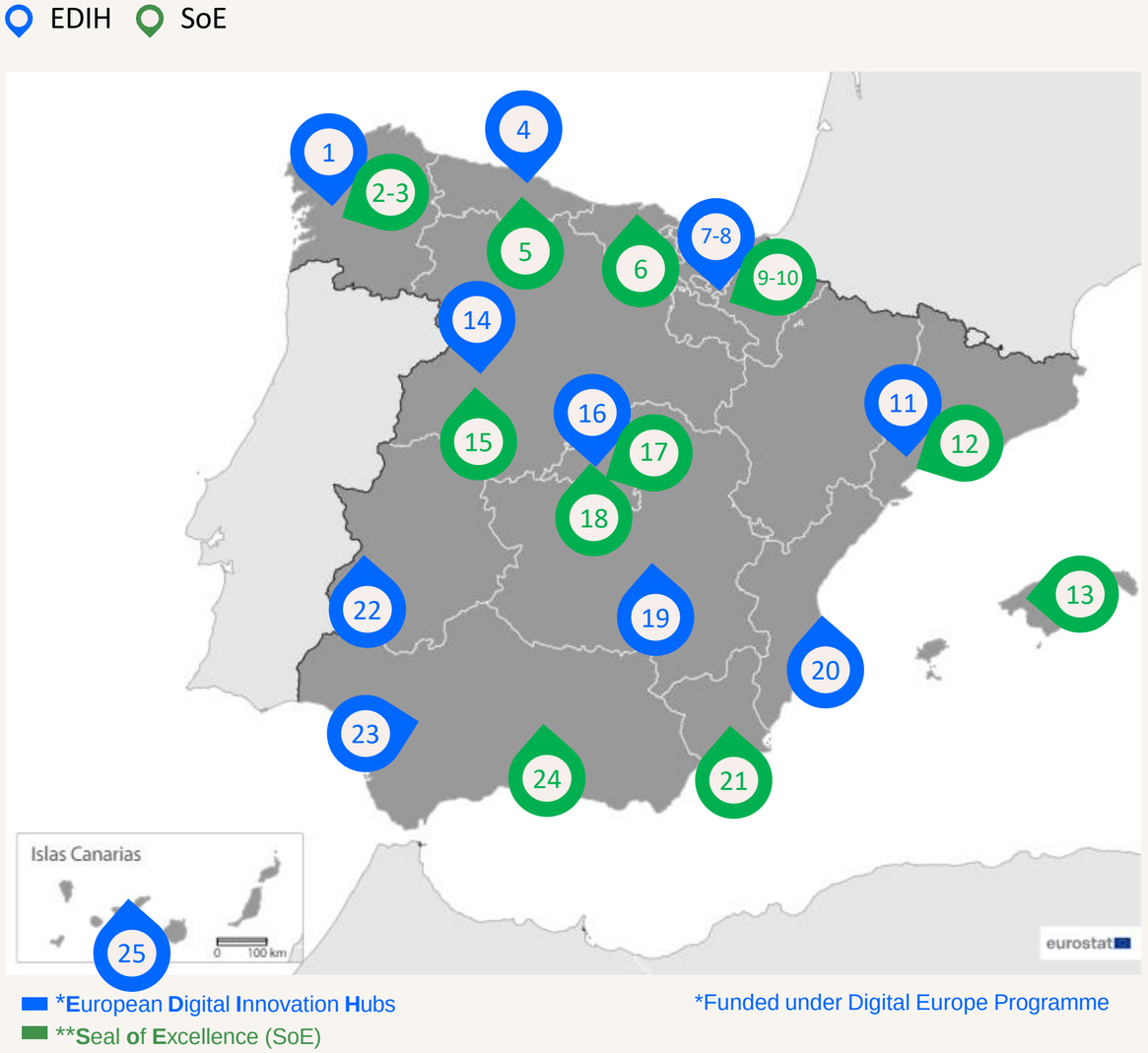
38
Sectors

EDIHs in Spain

Encompass a wide spectrum of sectors, emphasising the potential of digital innovation across diverse industries, including manufacturing, automotives, energy, healthcare, public administration, security, and smart cities.

Prioritise specific sectors such as agricultural and food biotechnology, the cultural and creative economy, education, and environmental domains.

Illustrate Spain's dedication to fostering innovation, sustainability, and knowledge development.



*European Digital Innovation Hubs

**Seal of Excellence (SoE)

*Funded under Digital Europe Programme

EDIH European Digital Innovation Hubs Network

European Commission

Network overview: 25 members – 12 EDIHs

AgrotechDIH

Aragon EDIH

AsDIH

CIDIHUB

DATAlife

DIGIS3

DIH4CAT

EDIH MADRID REGION

i4CAMHUB

InnDIH

IRIS

Tech4EfficiencyEDIH

Network overview: 25 members – 13 SoEs

AGORA DIH

AIR-Andalusia

AIR4S

BDIH_EDIH

Cantabria DIH

CyberDIH

Digital Impulse Hub

DIH-bio

DIHBAI-TUR

DIHGIGAL

DIHSE

eDIH La Rioja 4.0

INFAB HUB

34 Technologies

Cover a wide range of advanced technologies, including additive manufacturing, robotics, artificial intelligence, cybersecurity and more.

Reflect Spain's commitment to fostering digital innovation across diverse industries.

Emphasise emerging technologies such as blockchain, virtual reality, and quantum technologies, positioning them as pioneers in digital transformation and technological advancements.

Services

Cover a wide array of services, including innovation management, knowledge transfer, prototyping, technological innovation, SME support, and vocational training, which collectively support the innovation ecosystem and technology development across sectors.

Good practices

Sector roundtables: catalysts for innovation

EDIH

EDIH DATAlife Project

Services

Networking and access to innovation ecosystems

Technologies

Data

Sectors

Agricultural and food biotechnology, healthcare, fishery, maritime, food and beverage and paper and wood

Challenges

The main challenge is to **deliver services tailored precisely** to the specific needs of SMEs in the sectors covered by EDIH DATAlife, while effectively disseminating the opportunities across the value chains. The goal is to drive digitalisation within these industries through actions such as **providing customised digital solutions, organising training and workshops, facilitating access to digital infrastructure, creating collaboration networks, and offering information on funding and resources**.

Solution

DATAlife has designed an **annual calendar of sector-specific roundtable discussions** to address critical questions. These sessions focus on **defining challenges, evaluating digital maturity, assessing data-sharing willingness, and identifying training needs**. Tailored to value chains such as **healthcare, agriculture, aquaculture, biotechnology, forestry, and timber**, these sessions include presentations, meeting minutes, and surveys to gather valuable input, **helping shape the project's future direction.**

Good practices

Sector roundtables: catalysts for innovation

Results and benefits

Enhanced SME engagement

Events led to higher SME participation, driving demand for DATAlife's digital services.

Tailored service development

Event feedback shaped customised training and services, aligning closely with SME needs.

Expanded collaboration and visibility

The events expanded DATAlife's network, enhancing collaboration and regional recognition.

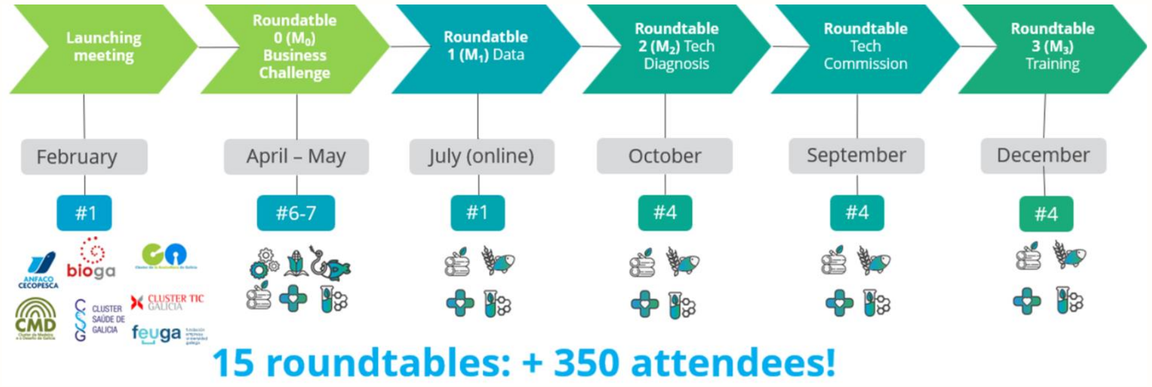


Diagram of the sector roundtable plan developed by DATAlife

Lessons learnt

- ✓ **Prioritise in-person sessions:** facilitates richer discussions and networking.
- ✓ **Adaptability:** be flexible with online sessions when in-person is not feasible
- ✓ **Encourage interaction:** allocate time for open discussions and questions.
- ✓ **Provide clear next steps:** ensure attendees know how to engage further, with easy access to resources.
- ✓ **Communicate EDIH value:** clearly explain EDIHs, their services and client journeys to SMEs.

Success stories

ARACNE – Machine vision for needles and sinkers control for zero defect manufacturing: from proof of concept to spin-off company

EDIH

DIH4CAT Digital Innovation Hub de Catalunya

CUSTOMER

- CANMARTEX CATGROUP S.L.
- Website
- Small-sized enterprise (10-49 employees).

CANMARTEX

Service type

Test before invest

Technologies

Photonics, artificial intelligence and decision support, and internet of things

Sectors

Textiles

Challenges

Improving the early detection of defects to improve efficiency and cut down on industrial waste in a sector where:

- 5%-10% of knitted fabric (100 billion kgs/year) is rejected due to defects;
- late detection increases the cost of the process from €1 to €6.

Solutions

- Designing and implementing a total predictive quality control system to minimise fabric defects while the fabric is being knitted.
- Eurecat, part of DIH4CAT, provided expertise and access to techniques such as state-of-the-art sensors, specific vision and image treatment algorithms and predictive quality models.
- The predictive quality system developed deals with the exhaustive and constant review of production, managing the self-correction of the elements and, if required, stopping the production and notifying operators immediately.

Success stories

ARACNE – Machine vision for needles and sinkers control for zero defect manufacturing: from proof of concept to spin-off company

Thanks to EDIH DIH4CAT the SME achieved:

- **cost and time savings:**

an estimated €5000 savings from PenTest services;

- **reduction in vulnerabilities:**

seven important vulnerabilities identified through the service, expecting a reduction of 60% immediately after the service, and an 80% reduction once the restructuring is completed.

Results and benefits

New technologies and patents

Proactively identifying and rectifying vulnerabilities strengthens overall system security and fortifies against unauthorised access.

Reduced environmental impact

The costs associated with data breaches such as downtime, fines and reputation damage are avoided.

Sales, revenue and personnel growth

Investing in cybersecurity safeguards the SME's assets and reputation, fosters customer trust and strengthens its competitive edge in the market.

Lessons learnt

- ✓ SMEs should stay informed about their system security and technologies, and keep up to date on industry developments.
- ✓ Identified risks must always be considered when assessing new technologies to be used.