



Digital Innovation Hubs (DIHs)

A place-based EU policy initiative to boost Digital Transformation of SMEs and public sector

**Interreg Europe Policy Learning Platform's
Webinar - 24 September 2020**



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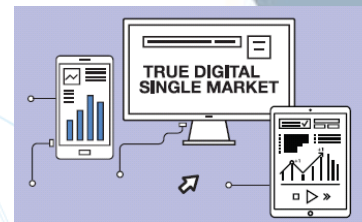


Digitising European Industry (DEI) Strategy (2016)



Digital transformation of industry

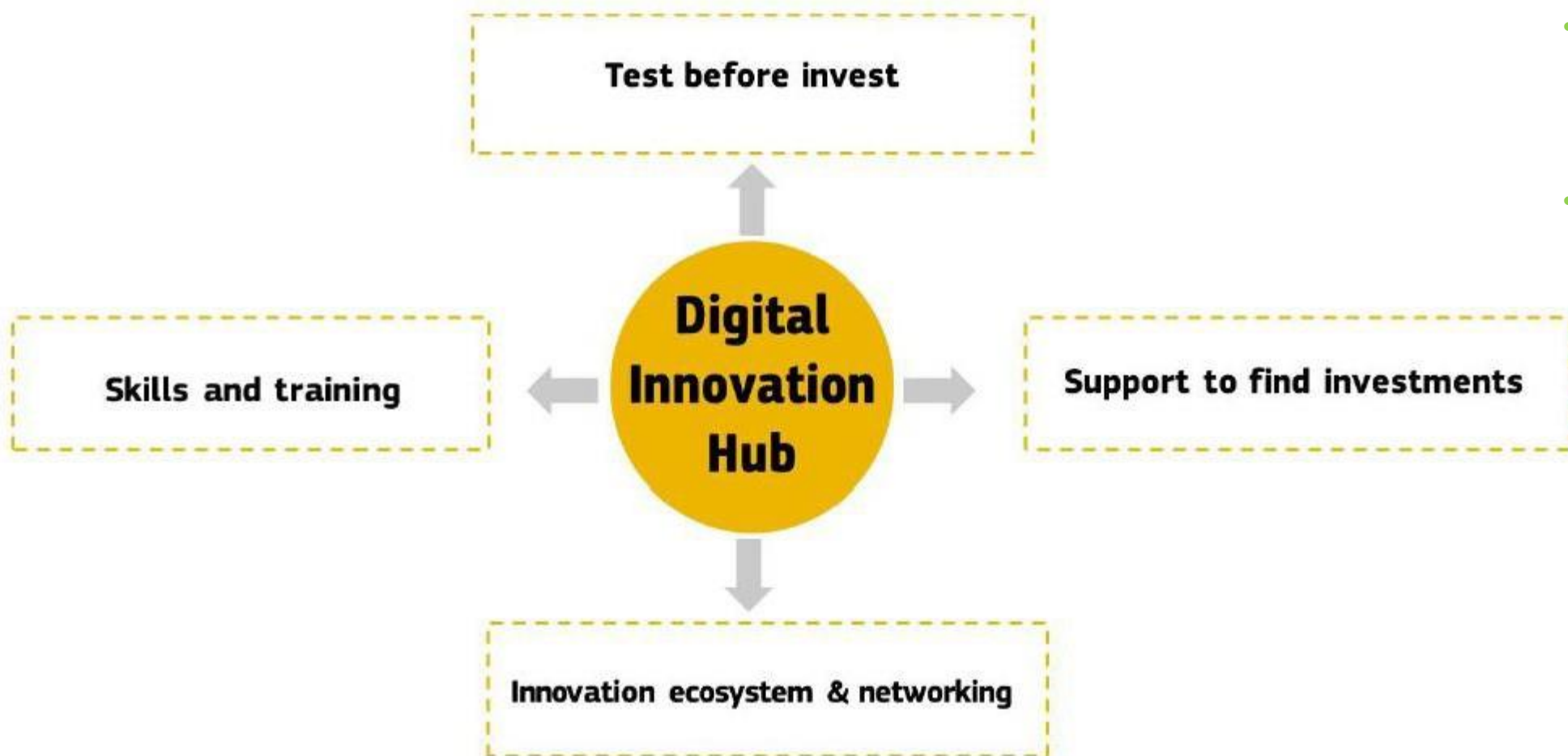
- **New industrial revolution driven by new generations of digital technologies**
- **New ways to design, produce, commercialise and generate value from products and services**
- **To ensure long term competitiveness, European industry needs to seize fully and swiftly the digital opportunities**



Digital Innovation Hubs (DIHs)



A group of organisations with complementary expertise and a non-profit objective, offering a set of services to companies – especially SMEs (incl. Start-ups) and mid-caps – to support their digital transformation through a one-stop-shop.



- Typical participants:
 - Research and Technology Organisations, Technical Universities
- In collaboration with:
 - Industry associations
 - Clusters
 - Enterprise Europe Network
 - Accelerators/Incubators
 - Innovation agencies
 - Vocational training institutes

DIH Catalogue

Digital Innovation Hubs

Search

Countries

Evolutionary Stages

Technical Competences

Services Provided

Focus on TRL

Market sectors

DIHs in H2020 projects

Contact us in the following email: JRC-B3-DIH@ec.europa.eu



Webtools | Leaflet | © OpenStreetMap contributors | Disclaimer Fully Operational In preparation Potential DIHs from H2020

- Yellow pages of DIHs
- Various geometries (size, sector, technology)
- Funded through regional, national or EU programmes
- Map based search tool by technical competencies, market sector, services
- Self declaration checked against the criteria



Click on the following link if you want to propose new HUB...

Register to the **DIHNET.EU Community** the interactive community of the JRC DIH catalogue to find more information and to connect with other DIHs

Hub Name	Location	Country	Contact
Aachen DIH Center for Robotics	Pauwelsstraße 30, 52074, Aachen	Germany	Univ.-Prof. Dr.

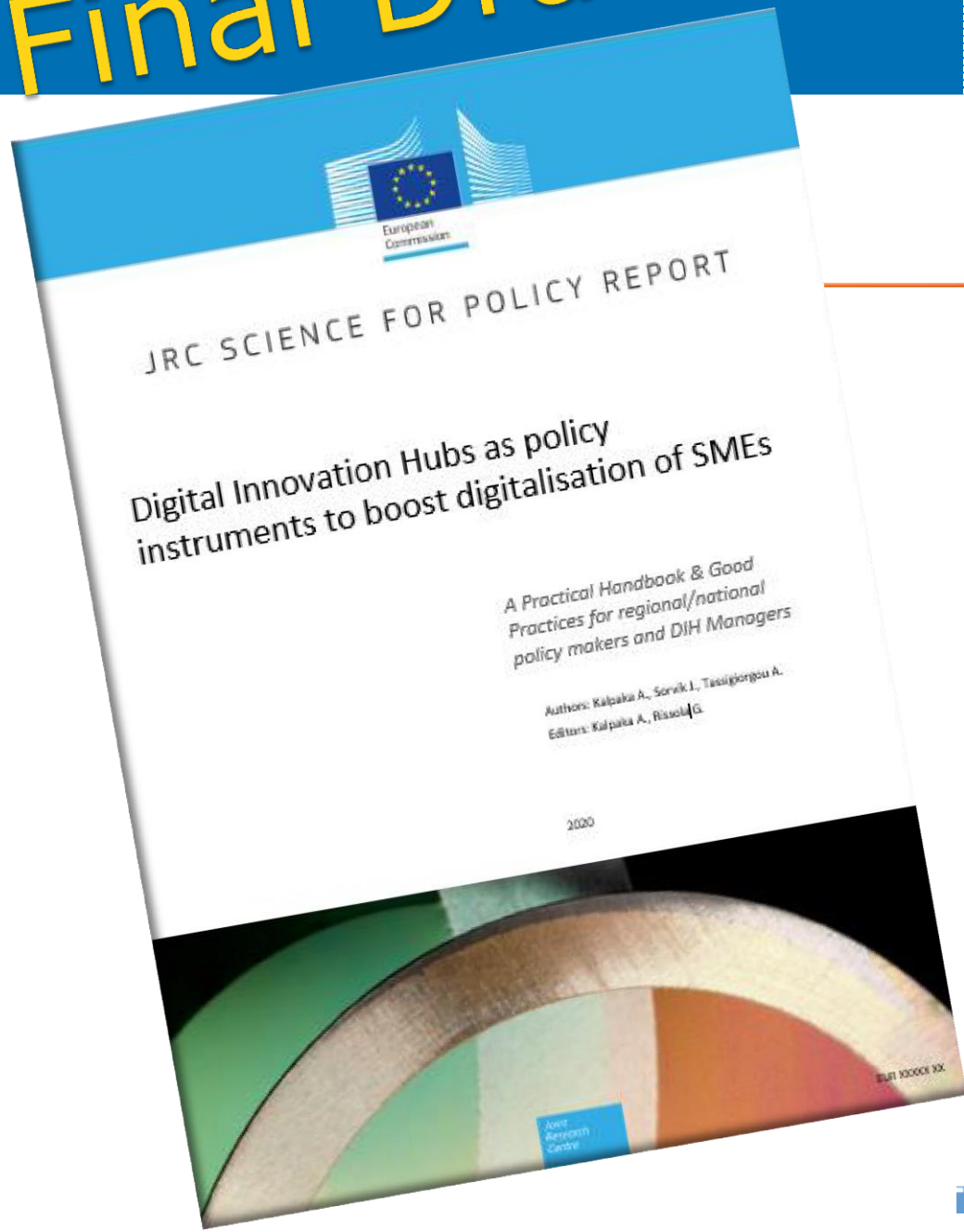
<http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool>

345 Fully Operational DIHs
216 In Preparation DIHs

Exploring synergies DIHs and S3



Early lessons, Regional case studies, EU Survey



Aim of Handbook

- Provide practical guidance to policy makers / DIH managers
- Inform on funding opportunities for DIHs during 2021-2027
- Advice on how to align DIH activities with regional/national S3
- Provide good practices from all over Europe
- Be a reference document



Allocated at
European level

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.

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.

Capacity building of EDIHs:

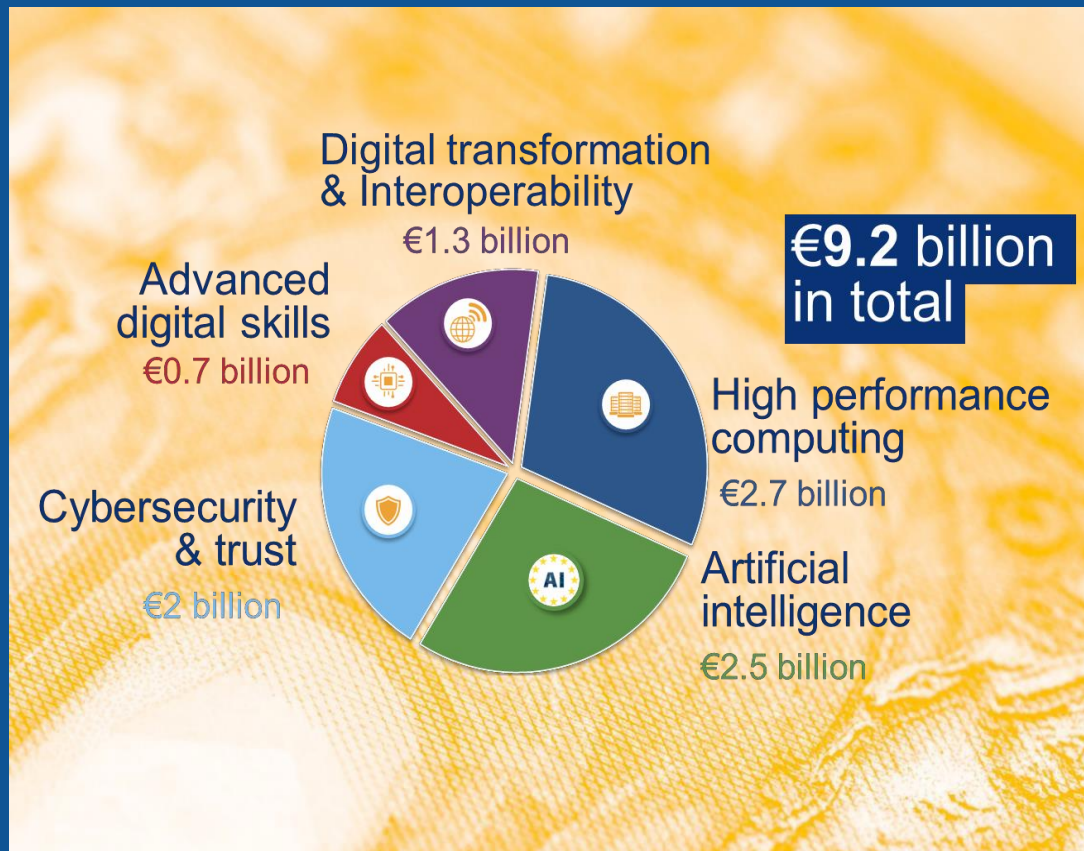
- **Grant for facilities and people to work in the hub, co-funded EU/MS or regions (ERDF may be used)**
- **Access to European capacities for digital transformation in HPC, AI, Cyber**
- **Access to knowledge and facilities of other EDIHs**

- **To start planning on the support of the Digital Transformation Accelerator (DTA), a central node that animates the network**
 - **Networking events**
 - **Training the hubs**
 - **Best practice sharing**
 - **Interactive map of digital capacities**
 - **Collaboration with EOSC hub, and other DIHs not funded by DEP.**
 -

Digital Europe (2021-27)



What?



Why?

Compete globally

- Other regions of the world invest huge amount of public capital in advanced technologies. For example, the US and China spend €10-20 billion annually on AI alone

Achieve scale through collective co-investments

- Given the size of investments needed, scale required and risks involved Europe needs to pool the resources together

Regain control over Europe's value chains and ensure Europe's technological sovereignty

Better address Europe's economic and societal challenges

- E.g. climate, health, mobility and public services

Ensure broad take-up of digital technologies across all regions of EU

- In deploying latest technologies to offer best services to citizens and business

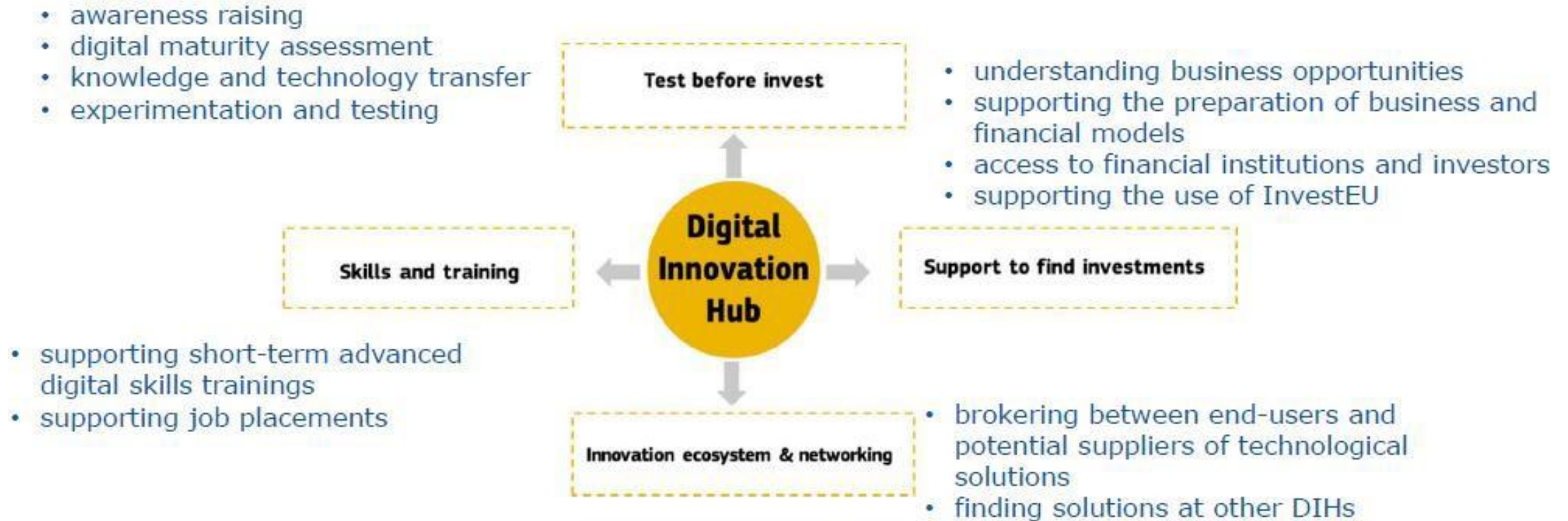
Support SMEs to acquire/access latest technologies and skills

- More than 400,000 EU vacancies in these fields

The role of European Digital Innovation Hubs (EDIHs)



European DIHs provide technological expertise and experimentation facilities to enable the digital transformation of the industry and the public sector





Specialisation/focus

Based on existing strengths and addressing future needs of the local industry or public sector organisations

DEP	Other Technologies	Application areas	Sector
AI, HPC, or Cybersecurity	Simulation Supply chain integration Blockchain Advanced Materials, ...	Industry 4.0 Circular economy	Manufacturing
	Remote sensing, Photonics, Life-Science Technologies, ...	Precision farming	Agri-food
	Robotics, Simulation, ...	Exo-skeletons, Automated building	Construction
	Digital solutions for governments, Blockchain, ...	Services for citizens, once only principle	Public administration
	...		

At least one per country on AI.

Always choose at least a DEP technology.



Performance monitoring - KPIs

- Number of businesses and public sector entities which have used the European Digital Innovation Hubs' services.
- Number of Collaborations with other EDIHs and stakeholders outside the region at EU level and Number of Infrastructures jointly shared / joint investments.
- Digital maturity evolution of the entities that have been supported by the European Digital Innovation Hubs.



Exporting / Importing EDIH

Excellence

- Complementary competences and infrastructures.

EDIH capacity building:

- Exchange of experience, good practices, and mirroring successful set-ups.
- A more mature DIH helps a less mature.
- Learning from specialists in HPC, Cy, AI.
- Advanced training, train-the-trainer.
- Use new solutions developed by the HPC, Cy Competence Centres and AI world class reference sites

Local added value	European added value
Hub will improve competitiveness of local economy by stimulating digital transformation	Hubs will improve their offer by acquiring new knowledge and capacities through their participation in Digital Europe on HPC, AI, Cybersecurity, Advanced digital skills and public sector solutions
Hub has specialisation which is based on local strengths and addresses local needs	Networking of the hubs will stimulate knowledge transfer between hubs and rationalisation of investments because facilities are opened up for use outside the local boundaries. It reduces duplication and optimises investments in infrastructure
Hub is near their customers and they speak the same language	Hubs will learn from other hubs by sharing best practices, and by collaboration of hubs in case of missing expertise/facilities.
	The hub network will be a means to promote excellence developed locally to other regions in Europe; it will open new markets for the companies involved in the innovations

More information



Digital Innovation Hubs

<https://ec.europa.eu/digital-single-market/en/digital-innovation-hubs>

Digital Innovation Hubs in Digital Europe Programme

<https://ec.europa.eu/digital-single-market/en/european-digital-innovation-hubs-digital-europe-programme-0>,

containing also information about contact persons in the Member States and info days.

Practical handbook for investing in DIHs

https://ec.europa.eu/newsroom/dae/document.cfm?doc_id=66604

Implementation details of European DIHs in Digital Europe Programme

https://ec.europa.eu/newsroom/dae/document.cfm?doc_id=62936

Catalogue of Digital Innovation Hubs

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





Thank you for your attention!

