



Digitising European industry

The role of Digital Innovation Hubs (DIHs)



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 #DigitiseEU

Level of digitisation differs according to size of company, sector and region

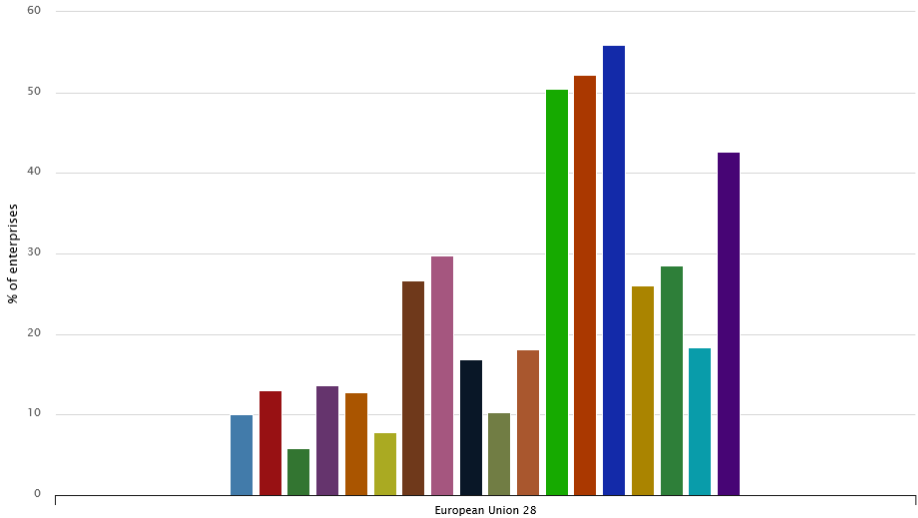
Enterprises with High levels of Digital Intensity, by Economic sectors (17 Nace groups)

Year:2016

Legend

- Manufacture: food, beverages, tobacco, textile, leather, wood, paper; publishing and printing 10+
- Manufacture: coke, petroleum, chemical, plastics, other non-metallic mineral products 10+
- Manufacture: basic metals & fabricated metal products excluding machines & equipments 10+
- Manufacture: computers, electric & optical, motor vehicles, transport equipment, furniture, repair 10+
- Electricity, gas, steam, air conditioning; water supply, sewerage, waste management&remediation 10+
- Construction 10+
- Trade of motor vehicles and motorcycles 10+
- Wholesale trade, except of motor vehicles and motorcycles 10+
- Retail trade, except of motor vehicles and motorcycles 10+
- Transport and storage 10+

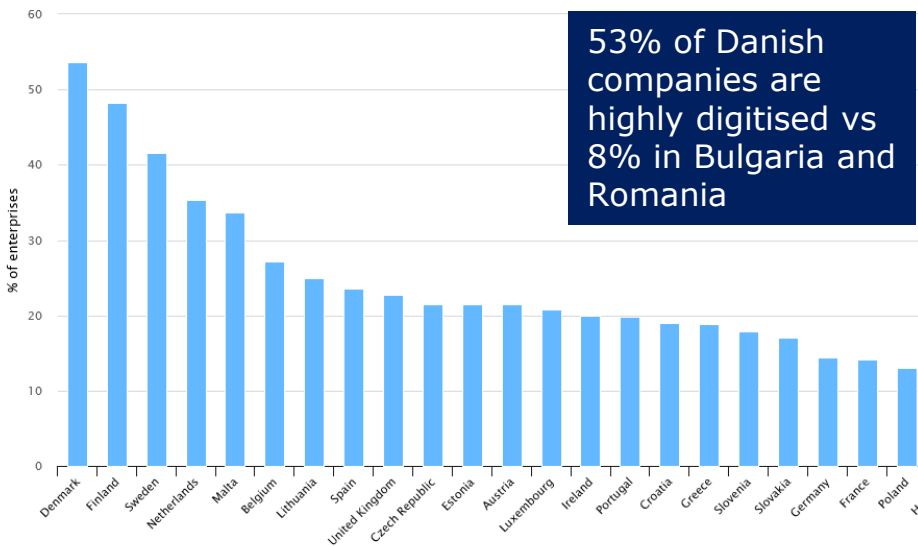
56% of companies in computer programming, consultancy and information services are highly digitised.
Only around 6% of companies in basic metals & fabricated metal products excluding machines & equipment are highly digitised.



Enterprises with High levels of Digital Intensity

Year:2016

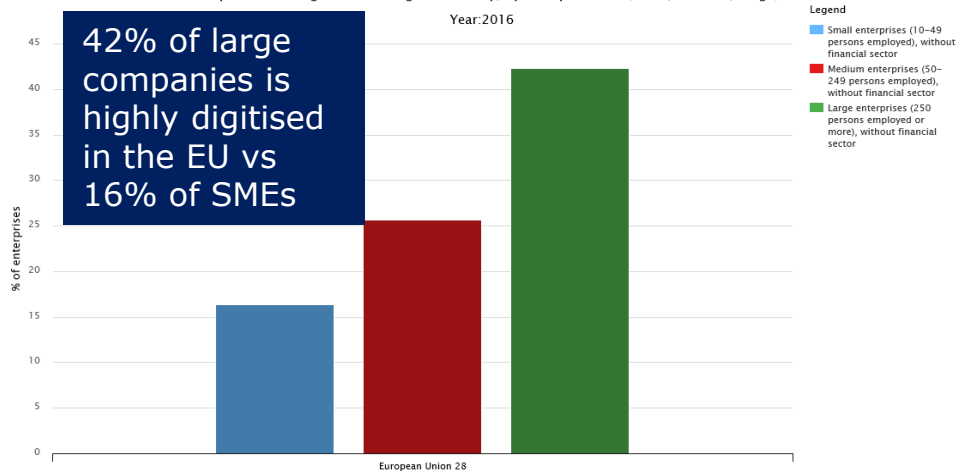
53% of Danish companies are highly digitised vs 8% in Bulgaria and Romania

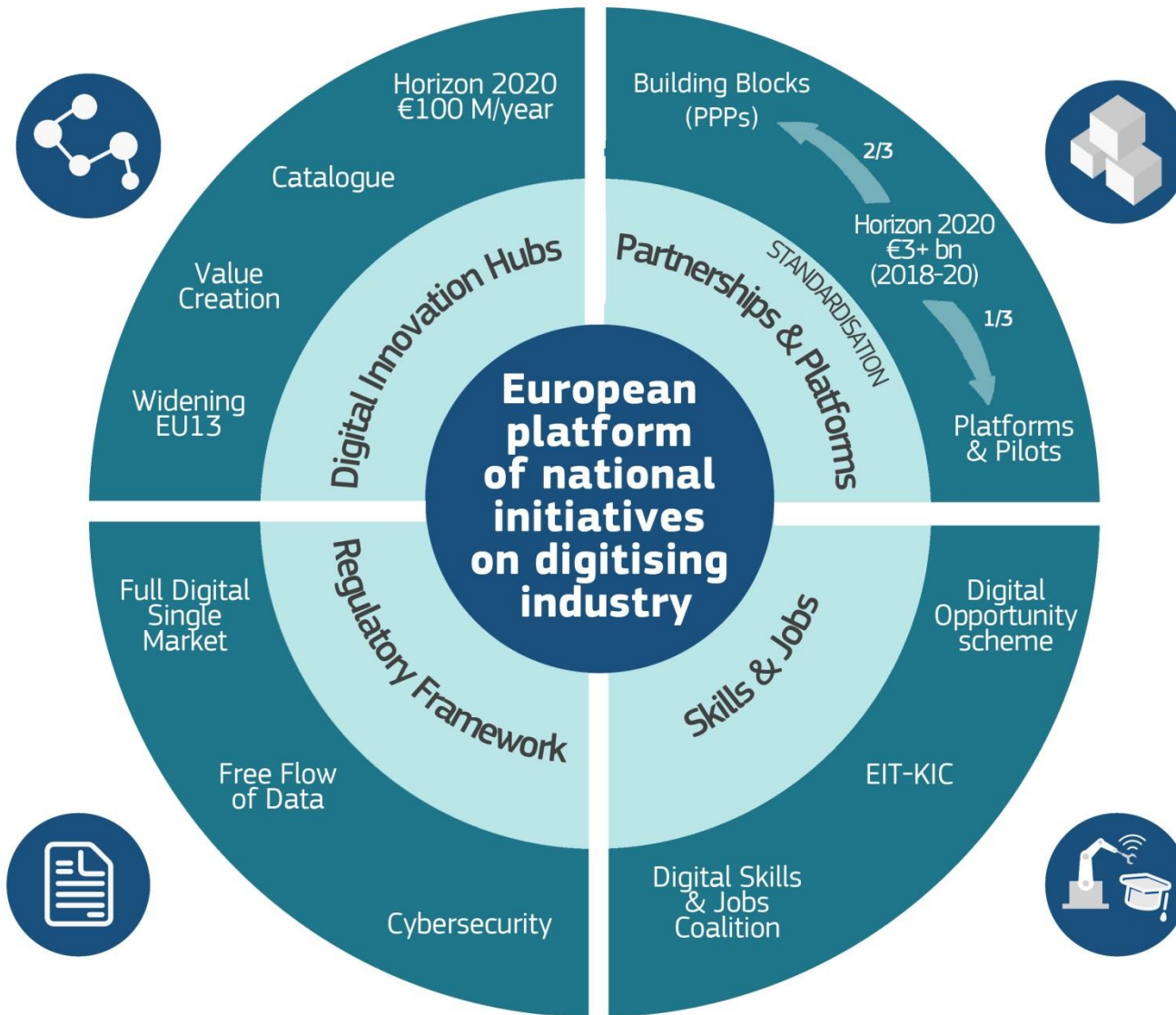


Enterprises with High levels of Digital Intensity, by Enterprise size (Small, Medium, Large)

Year:2016

42% of large companies is highly digitised in the EU vs 16% of SMEs





Launch 3 Working Groups to derive recommendations to the High-Level Governance Meeting within 1 year

- 
1. WG on **Digital Innovation Hubs** addressing issues such as
 - Raising awareness and engaging SMEs
 - Improving access to finance for SMEs
 - Networking and collaboration including business models
 - Role of MSs and regions for the development of DIHs
 - Reinforce digital skills and training dimension
 2. Joint WG of DEI and Multi Stakeholder Platform (MSP) on **standardisation** activities of **Digital Industrial Platforms**
 - Coordination of platform building and piloting activities
 - Synchronisation and acceleration of standardisation efforts
 3. WG on **Future Partnerships**

Digital Innovation Hubs: Towards Organic Growth

"Ensure that every business in Europe, whatever its sector of activity, wherever located and whatever its size, can take full advantage of digital innovations and competences"

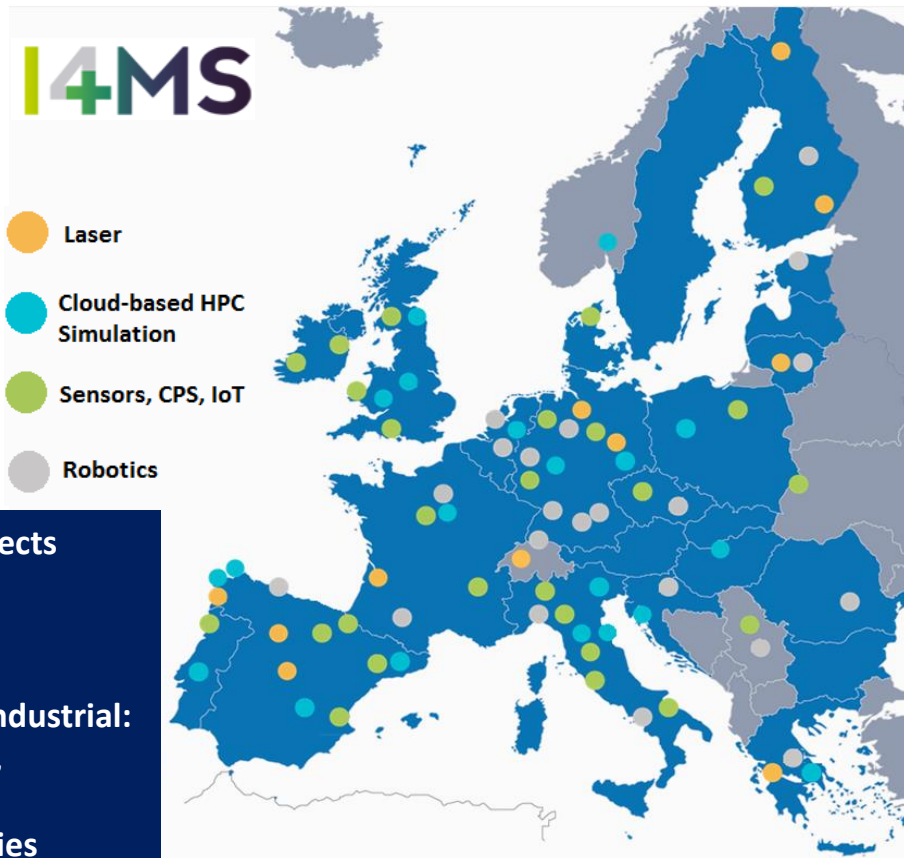
Member States & regions:

Build-up/strengthening of national and regional structures of DIHs (national, regional, ESIF)

Commission H2020 (100M€/yr):

- Networking and support activities
- Innovative Cross-border experiments

EU-supported DIH schemes
– example:



- ❑ 140M€ of EU funding - 15 large projects
- ❑ 125 DIHs/competence centres
- ❑ 450 experiments: 80% cross-border dimension
- ❑ 560 contractors. Out of which 406 industrial: 84% SMEs and mid-caps, 50% users, 65% new in EU R&I Programmes
- ❑ 29 Member States and Ass. Countries

European Network of DIHs - filling the white spots

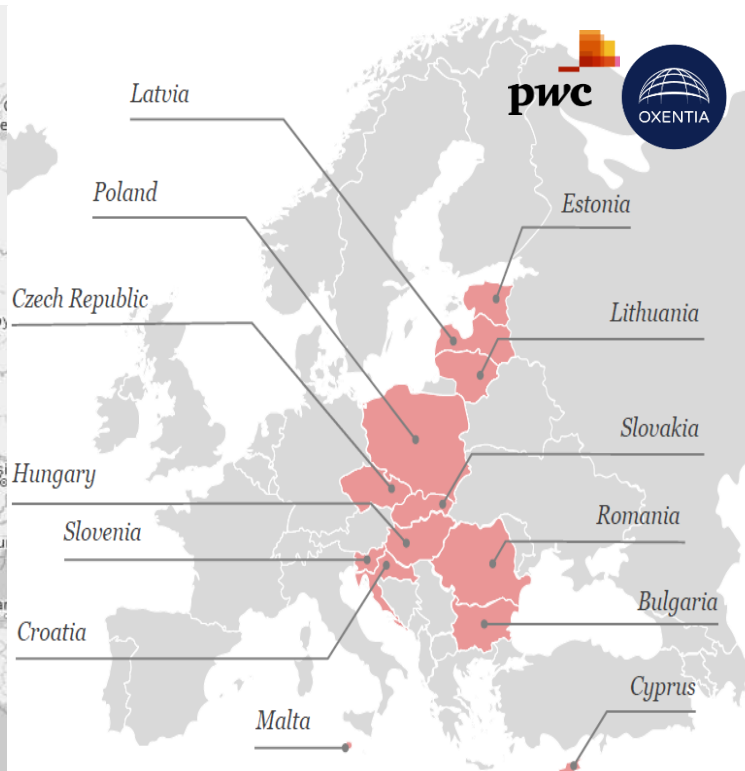
Finished



- 29 DIHs coached so far – 14 EU countries
- 1.45M€ (up to 50k per participant) in I4MS for most promising regional competence centres for developing their case for becoming a DIH
- Coordination: I4MS Growth and XS2I4MS
- 18 coached hubs participated in the latest I4MS call, 8 successfully

<http://dih.i4ms.eu/>

Ongoing



- Smart Factories in **Central and Eastern Europe (EU13)**
- **1.8M€** from the European Parliament to support the implementation of DIHs in the **selected countries and regions** where the divergence in uptake and adoption of digital technologies has been so far limited
- Call open **until 22 October** – <https://ec.europa.eu/eusurvey/runner/ApplicationForm>
- Final selection of **30 DIHs** by **early December**
- Coordination: **PwC and Oxford University Innovation**

<https://ec.europa.eu/futurium/en/implementing-digitising-european-industry-actions/digital-innovation-hubs-smart-factories-new-eu>

Future actions



EN

DRAFT

Horizon 2020

Work Programme 2018 - 2020

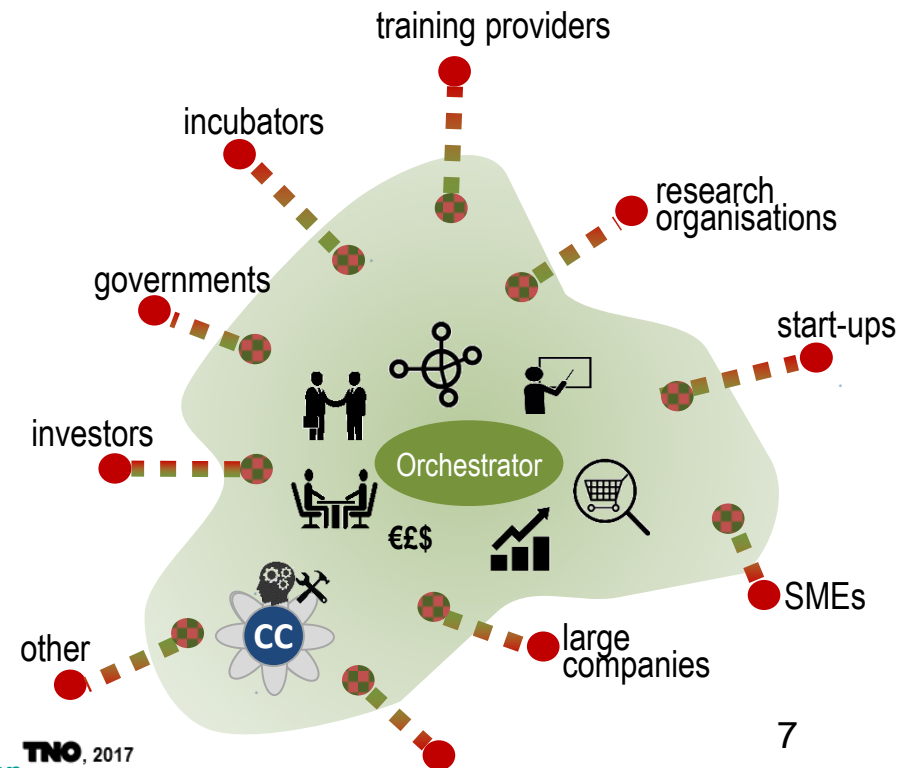
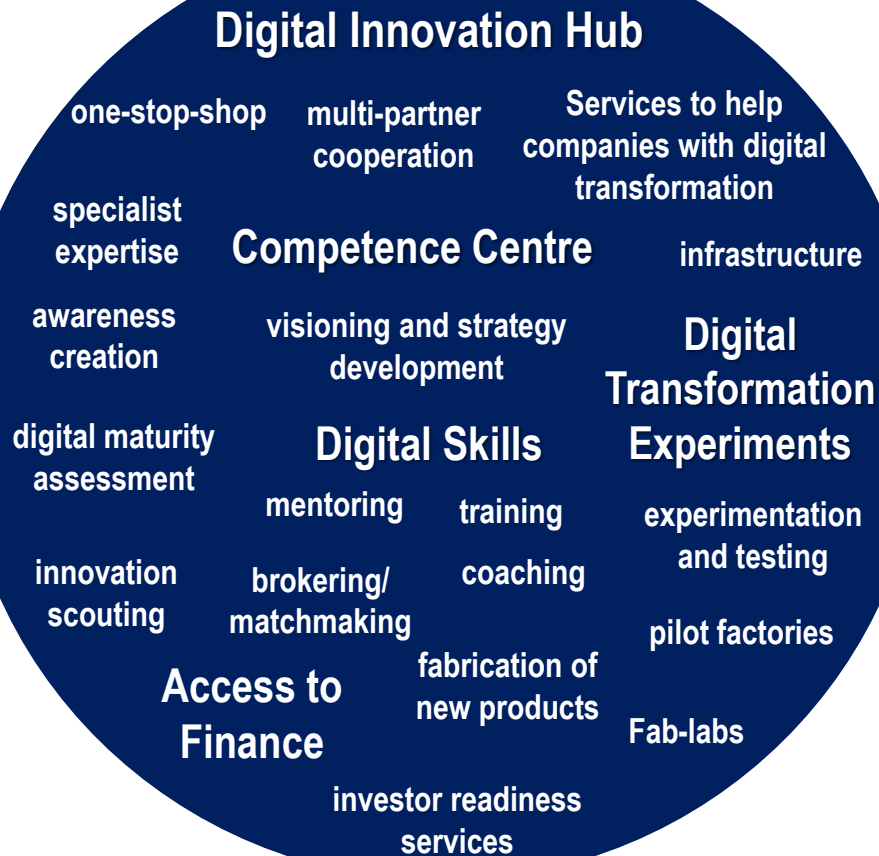
5.i. Information and Communication Technologies

± 8M€ for widening the SAE and I4MS networks towards industrial regions which are so far underrepresented (WP18-20)

Tentative opening call date:
16 Oct. 2018
deadline:
2 April 2019

What is a Digital Innovation Hub?

- Provide support to **existing industry** to manage their **digital transformation**
- **Competence Centres** are at the **core of DIHs (ecosystem approach)**
- **Variable geometries**: technology applications, sector, SME focus etc.
- Provides opportunities for both **ICT users** and **ICT suppliers**



First version available:

- Fact-sheets with profile, contact data, service examples for regional, national, and EU-supported DIHs
- Map-based search tool by technical competences, market sector, services

European Commission / Smart Specialisation Platform / Tools / Digital Innovation Hubs

Home S3 Platform Sections **Tools** News Events Knowledge Repository

Search

Digital Innovation Hubs

Search

Countries

Technical Competences

Services Provided

Focus on TRL

Market sectors

SEARCH

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

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



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Export Hubs to csv

Hub Name	Location	Country	Contact	Phone	Email	Website
Aalen University / Transfer Platform Industry 4.0	Beethovenstraße, 1, 73430, Aalen	Germany	Prof. Dr. Axel Zimmerman	+49 7361576 6702	✉	🌐
Accelerating Photonics innovation for SMEs (ACTPHAST 4.0)	Brussels Photonics B-PHOT, Vrije Universiteit, B-1050, Brussel	Belgium	Prof. Hugo Thienpont	+32 2 791 6852	✉	🌐
ADAPT Centre	O'Reilly Building, Trinity College Dublin, 2, Dublin	Ireland	Vincent Wade	+353 1 896 1797	✉	🌐

JRC-B3-DIH@ec.europa.eu

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

- Update your profile
- Propose a new DIH if you are not yet in the catalogue
- Contact the actors in the catalogue that are near you for possible collaboration and consolidation of the ecosystem
- Be inspired by similar DIHs



Digital Innovation Hubs

Search

Countries

1 selected ▼

Technical Competences

None selected ▼

Services Provided

None selected ▼

Focus on TRL

None selected ▼

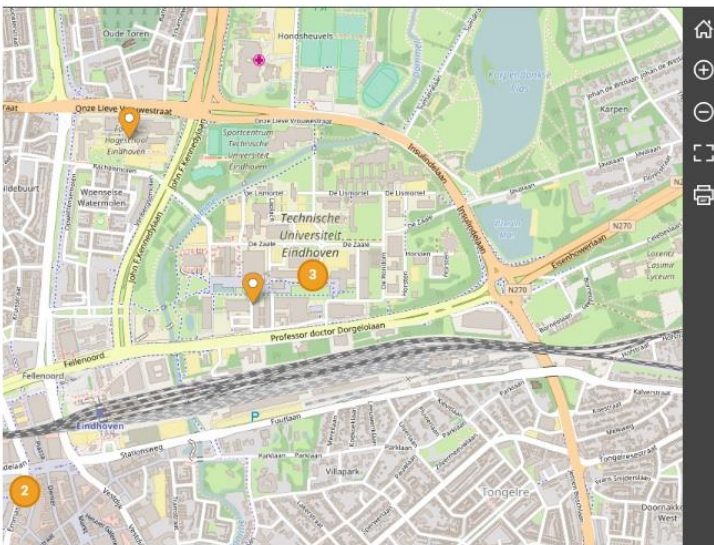
Market sectors

None selected ▼

SEARCH

Contact us in the following email: JRC-S3-DIH@ec.europa.eu

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



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H2020

- 200 M€ in the H2020 work programme 2016-2017
- 300 M€ in the new H2020 work programme 2018-2020, focus area "Digitising and transforming European industry and services"
- Focusing on networking Digital Innovation Hubs and highly innovative cross border experiments

European Structural and Investment Funds

- **ESIF support for digital growth is based on national or regional Digital Growth Strategies and Research and Innovation Strategies for Smart Specialisation.**
 - Around EUR 2 billion will support digitising EU industry, in particular SMEs, to develop ICT products and services, e-commerce and the take-up of ICT,
 - Around EUR 1.2 billion will support e-Inclusion, e-Accessibility, e-Learning etc. to enhance human capital for the digitised economy and society,
 - Around EUR 7.6 billion will go into intelligent transport, smart grids, e-health and e-government, offering also procurement opportunities for IT firms,
 - Over 100 regions and 14 countries at national level will also invest in ICT-related research and innovation. Total funding for RIS3 accounts for 42 billion euro.

Other sources of funding (private, innovation funds of regions, loans, etc)

- Focus area "Digitising and transforming European industry and services" calls for digital innovation hubs (for 300 M€)
 - DT-ICT-01-2019: [Smart Anything Everywhere \(SAE\) Initiative, with the "widening" part for industrial regions that are currently underrepresented in I4MS and SAE](#)
 - DT-ICT-02-2018: [Robotics – Digital Innovation Hubs](#)
 - DT-ICT-03-2020: I4MS (phase 4) - uptake of digital game changers and digital manufacturing platforms
 - DT-ICT-04-2020: Photonics Innovation Hubs
 - DT-ICT-05-2020: Big Data Innovation Hubs
 - In SC2: DT-RUR-12-2018: [ICT Innovation agriculture – Digital Innovation Hubs for Agriculture](#)
- + Support action DT-ICT-06-2018: [Coordination and Support Activities for Digital Innovation Hub network](#)

Share best practices on how to motivate SMEs to engage with Digital Innovation Hubs and how the hubs can create demand for the services of the SMEs

10:45–12:00 Session 1 – Reaching out to the SMEs

12:00–13:00 Lunch

13:00–14:15 Towards a digital ecosystem and partnering approach

14:15–14:45 Coffee break

14:45–16:15 Session 3 – Break out in smaller groups to discuss topics of common interest

16:15–16:45 Reporting back from the break-out groups

16:45–17:00 Outlook to the next session on 21 February on Access to finance for SMEs and how to finance the hubs

17:00 Closing