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SMEs – the backbone of the European economy

- 99% of Europe's businesses
- 24 million SMEs
- Employing over 90 million people
- 85% of the new jobs created in the past 5 years were by SMEs
- SMEs account for 67 % of the EU's total employment in the non-financial business sector



Source: https://unsplash.com

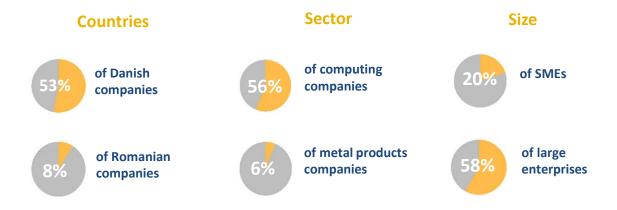


Source: Pixabay

The need for digitalisation

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

Highly digitised companies across Europe





Digital transformation of industry



Digital innovations for all: Digital Innovation Hubs Strengthening leadership through partnerships & industrial platforms





European
platform
of national
initiatives
on digitising
industry







A regulatory framework fit for the digital age

Preparing Europeans for the digital future



Update on "Artificial Intelligence for Europe"

Coordinated action plan with Member States: Adopted on 7 December 2018

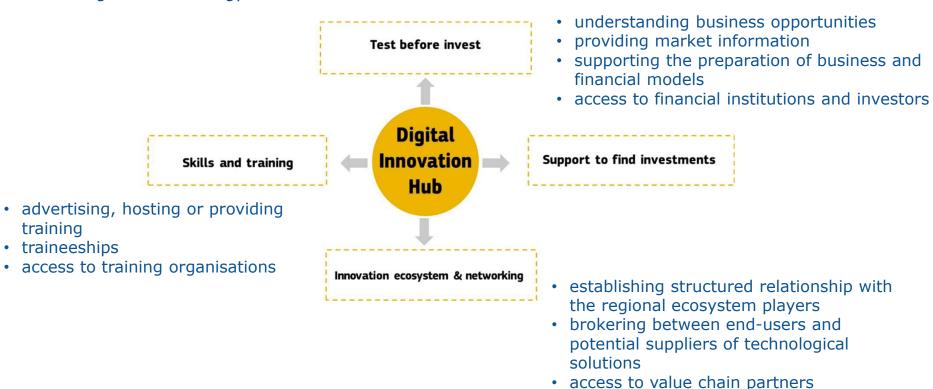




Digital Innovation Hubs

A coordinated ecosystem of organisations with complementary expertise and a not-for-profit objective, offering a set of services to companies – especially SMEs (incl. Start-ups) and midcaps as well as to public sector organisations – to support their digital transformation.

- demonstration activities
- · digital maturity assessment
- testing and experimentation
- knowledge and technology transfer





Achievements since 2016

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

- **€500 million EU funding** for DIHs (2016-2020)
- A pan-European network of over 240 operational Digital Innovation Hubs











- 500 Start-ups, SMEs and mid-caps tested digital innovations in collaboration with more than 150 DIHs in 370 innovation experiments
- 13 EU countries included DIHs in national digitalisation strategies



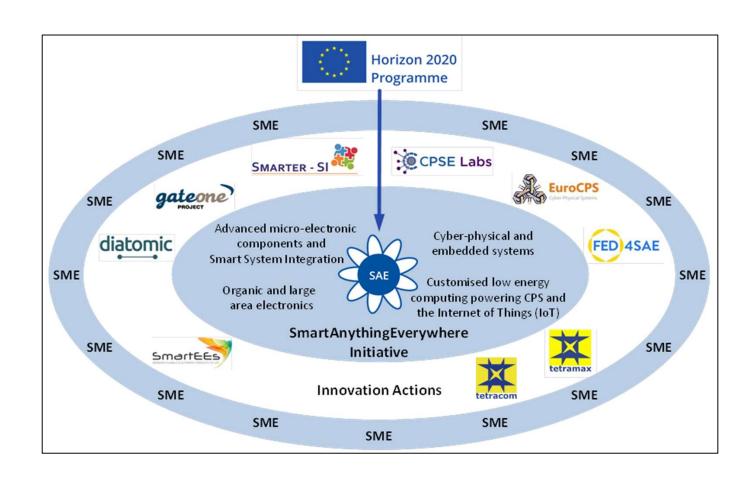




• Completed coaching 34 potential Digital Innovation Hubs in the EU13 (Smart Factories, https://smartfactories.eu/) and starting to coach another 30 DIHs in regions with slower adoption of digital technologies (DIHELP, http://dihelp.eu/)

SAE: Thematic Areas / IAs





Upcoming "cascade funding" open calls under I4MS & SAE



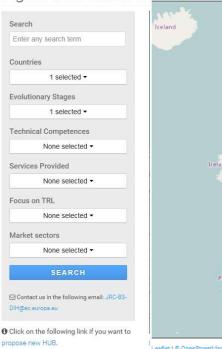


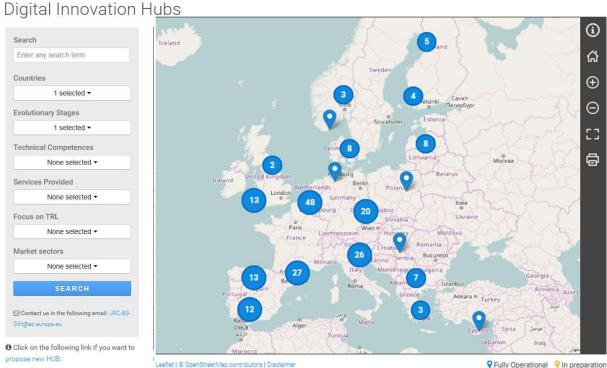
Quarter-Month (opens)	EU Initiative	Project	Technology Area
2019			
Q2- April (4 th cut-off)	SAE	SmarTEES	Organic and large area electronics
Q2- May	I4MS	MIDIH	CPS/IoT for Manufacturing
Q2	I4MS	AMABLE	Additive Manufacturing
Q2- July	I4MS	CloudiFacturing	HPC cloud-based simulation services
Q3- August	SAE	TETRAMAX • Entrepreneurial	Low energy computing powering CPS and IoT
Q3- September	I4MS	L4MS	Logistics for Manufacturing (Robotics)
Q3- September	SAE	TETRAMAX • Bilateral	Low energy computing powering CPS and IoT
Q3- September (5 th cut-off)	SAE	SmarTEES	Organic and large area electronics
Q4- October	SAE	TETRAMAX • Value chain/ interdisciplinary	Low energy computing powering CPS and IoT
2020			
Q2- April	SAE	TETRAMAX • Bilateral	Low energy computing powering CPS and IoT
Q2- April	SAE	TETRAMAX • Value chain/ interdisciplinary	Low energy computing powering CPS and IoT
Q2	I4MS	AMABLE	Additive Manufacturing
Q3- August	SAE	TETRAMAX • Entrepreneurial	Low energy computing powering CPS and IoT



Digital Innovation Hubs Catalogue

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





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

250 Digital Innovation Hubs in the EU:

- Various geometries (size, sector, technology)
- Funded through regional, national or EU programmes
- Self-declaration checked against criteria



The main DIH collaboration space: DIHNET.EU community



www.dihnet.eu



DT-ICT-03-2020: I4MS (phase 4) - uptake of digital game changers in manufacturing: 70 M€

- Smart modelling, simulation, and optimisation for digital twins
- Laser based equipment in advanced and additive manufacturing
- Innovative Artificial Intelligence in manufacturing
- Cognitive autonomous systems and human-robot interaction
- Widening Digital Innovation Hubs

Deadline 13 November 2019

DT-ICT-05-2020: Big Data Innovation Hubs 30,5 M€

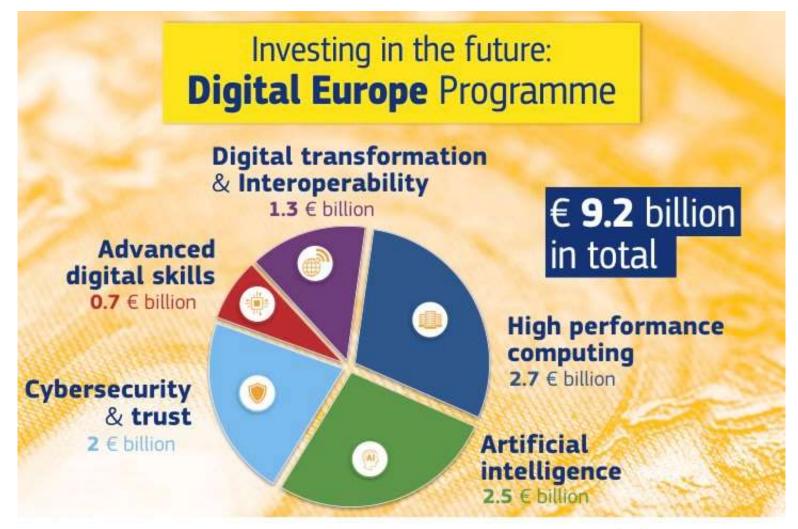
Deadline 13 November 2019

DT-ICT-04-2020: Photonics Innovation Hubs 19 M€

Deadline 22 April 2020



Beyond 2020 Digital Europe Programme



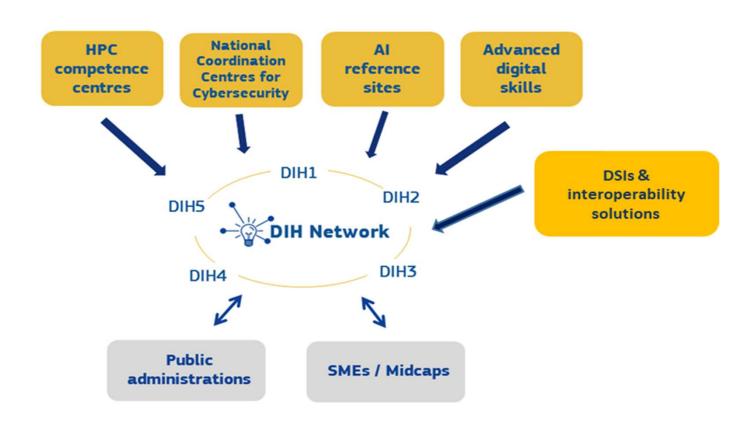
#EUBudget #DigitalEurope





Digital Innovation Hubs in Digital Europe (1)

Bringing the benefits of digital technologies to all our businesses across the European Union





Digital Innovation Hubs in Digital Europe (2)

- Reach SMEs beyond most innovative ones
- Balanced regional coverage by DIHs
- Align investments of regions, MS and EU
- Scalable + sustainable business models for collaboration











Focus on HPC, AI, Cybersecurity and Digital Skills



A strong European network of Digital Innovation Hubs



Digital Innovation Hubs in Digital Europe (3)

Digital Technologies	Application Areas	Smart Specialisation Areas
Al	 Customer Relationship Management (CRM) tools with deep learning Automation of manufacturing processes Smart sensors 	Agri-food
HPC	 Simulation for design Simulation for production optimisation Simulation for maintenance Data analytics for real-time decision-making 	Construction industry
Cybersecurity	Avoiding theft of digital twins	Manufacturing industry



Focus of DIHs developed over time



Joint selection process: EC and Member States

EC defines criteria for DIH selection based on

- Input from Member States
- Basic Act
- Financial Regulation

Expression of Interest by EC directed to MSs



MS designate a list of entities that:



- Will get or already got co-investment
- Based on open and competitive process

Gaps of the first selection will be filled in by further selections done through open and competitive calls of the EC



Designated entities submit proposals that are evaluated by
the Commission with the
support of external experts.

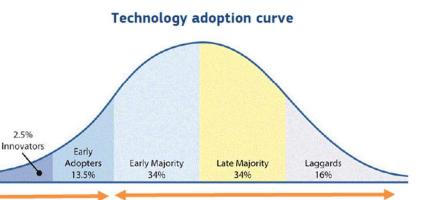
EC selects from those proposals exceeding the pre-defined quality threshold balancing

- regional coverage
- technology coverage
- sector coverage

[Endorsement by MS committee]



Complementarity with other programmes (2021-2027)



- Preparation of new Programmes: 2019/20
- Envisaged start: 1 January 2021

2.5%

Horizon Europe

Horizon Europe: Support to SMEs and mid-caps to experiment with highly innovative digital technologies in a cross-border setting

Digital Europe

Digital Europe: Digital transformation of SMEs and administrations across the whole economy, with a focus on AI, HPC, cybersecurity and digital skills

InvestEU: Incentives and risk reduction programmes to help companies find follow-up investment to further complete their digital transformation

European Regional Development Fund: Investments allocated by the Member States and regions to build-up or strengthen the Digital Innovation Hubs infrastructures in their territories, and to reduce the digital divide

Allocated at national level

Timeline:

Allocated at European level



See you at the next events

- European Digital Innovation Hub Summit at the Digital Enterprise Show (DES), 23/05/2019, Madrid, ES
- 7th DIH workshop, 01/07/2019, Brussels, BE
- European Week of Regions and Cities, DIH session, 7-10/10/2019, Brussels, BE
- 8th DIH workshop, 12/09/2019, Brussels BE
- DIH sessions at the Stakeholder Forum, 13-15/11/2019, Madrid, ES

European Commission

Further information

Digital Innovation Hubs

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

Catalogue of Digital Innovation Hubs

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

Digital Innovation Hubs in Digital Europe on Futurium

https://ec.europa.eu/futurium/en/digital-innovation-hubs/digital-innovation-hubs-digital-europe-programme

Digital Europe Programme

https://ec.europa.eu/commission/publications/connecting-europe-facility-digital-europe-and-space-programmes en



Thank you!

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Follow the latest progress and get involved



