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MRTT Digital
Innovation Section

Smart Factories in EU Digital Innovation HUBs, next steps

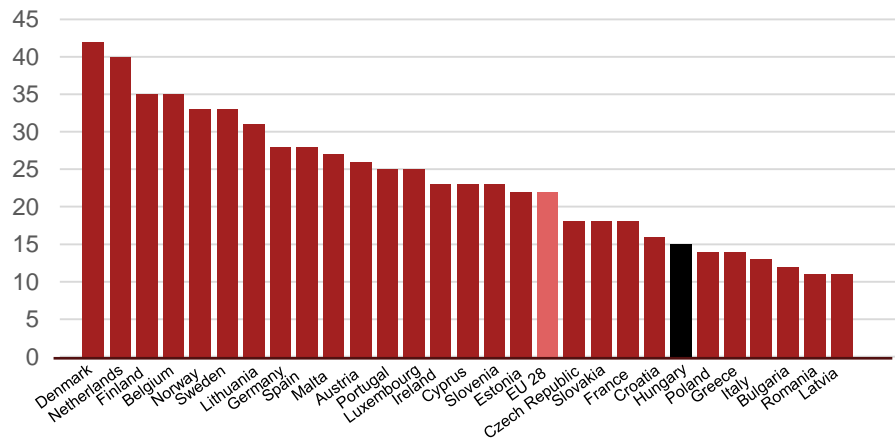


www.pwc.com/digital
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The Policy Context

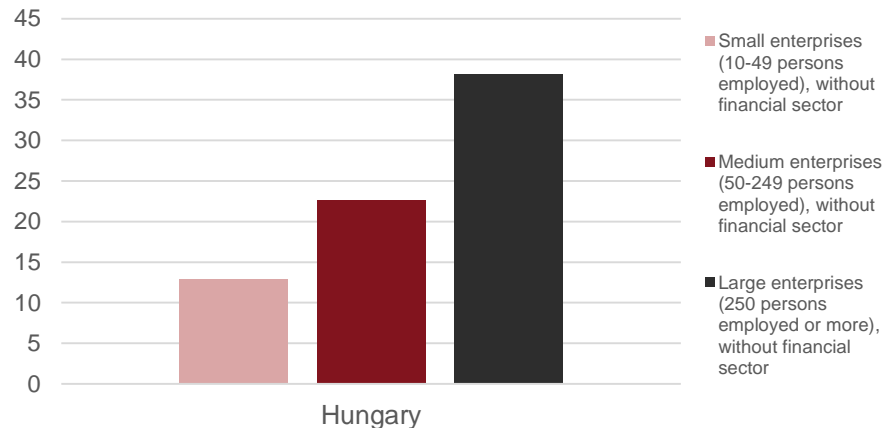
**42% of Danish companies are highly digitalized vs 11% in Romania and Latvia
Hungary is also drop behind EU average**

Enterprises with High levels of Digital Intensity, Year 2017



38% of large companies in Hungary are highly digitalized while this is the case for just 13-22% of SMEs

Enterprises with High levels of Digital Intensity, by Enterprise size (small, medium, large), Year 2017



Source: European Commission, Digital Scoreboard

Digitizing European Industry (DEI)

The Digitalizing European Industry (DEI) initiative aims



Coordination of initiatives for digitizing industry



Co-investing in Europe's digital innovation capacities



Providing the appropriate regulatory framework conditions



Providing human capital with the necessary skills for the digital transformation

Objectives of Smart Factories Project



Provide methodology to select the most appropriate DIHs for implementation



Collect and assess applications from potential DIHs, conduct interviews and recommend DIHs to the EC to participate in the programme



Help the chosen DIHs reach their potential by mentoring and coaching activities



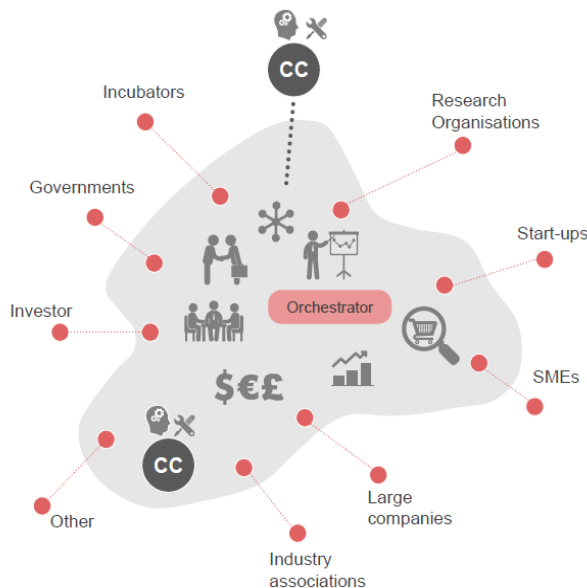
Develop policy recommendations for improvement

Digital Innovation Hubs

While DIHs may vary in form, focus and founders they all share the common goal of:

Helping companies to become more competitive by improving their business/production processes, products and services through digital technology.

DIHs help organizations digitize by providing services themselves and, crucially, by acting as an orchestrator to link and connect different stakeholders.



Access to the latest knowledge, expertise and technology



Connections to investors, access to financing for digital transformations



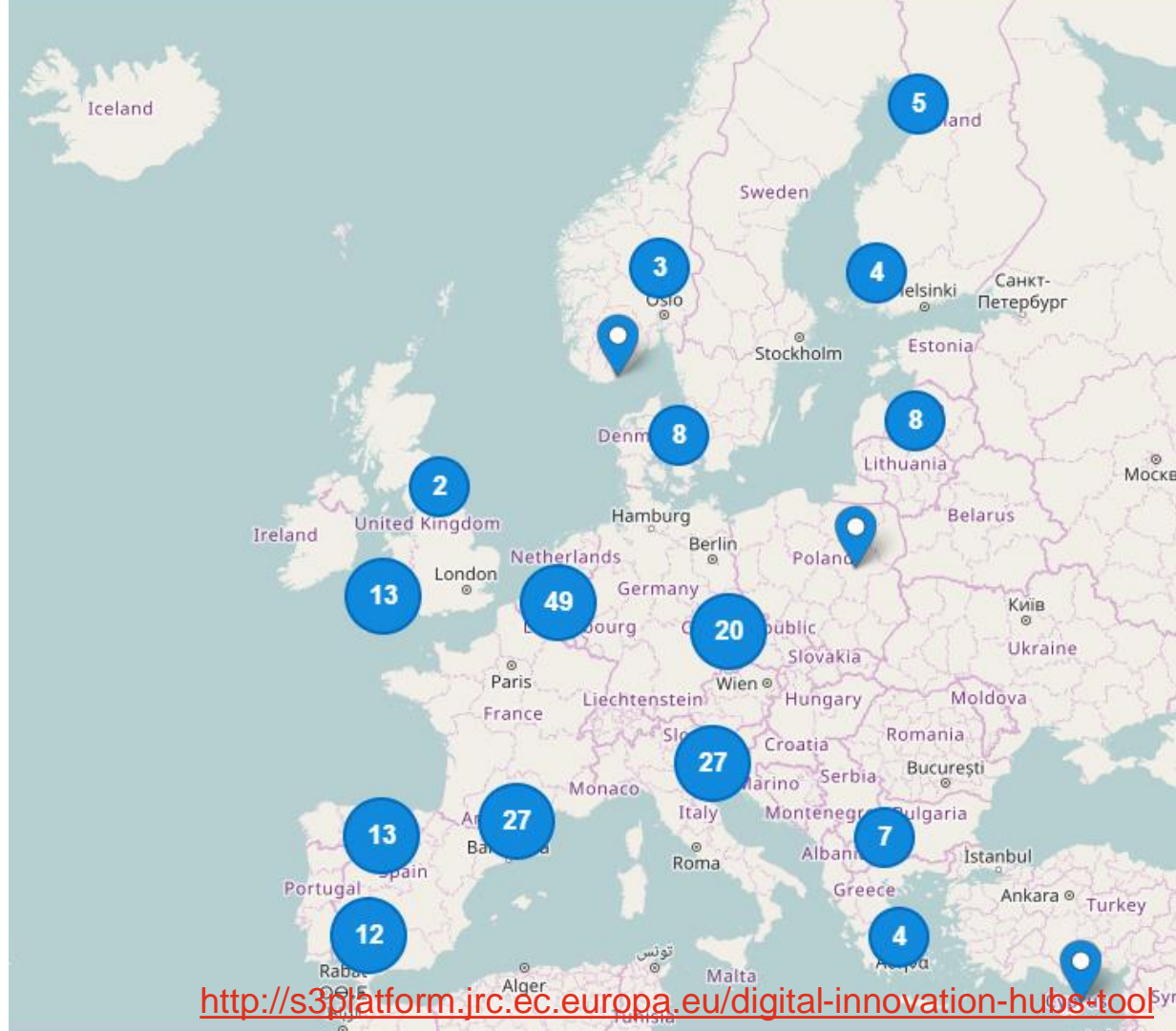
A link between users and suppliers of digital innovations across the value chain



Opportunities to foster synergies between digital and other key enabling technologies

DIHs in (west) EU

- Organic and Large Area Electronics
- Micro and nano electronics, smart system integration
- Sensors, actuators, MEMS, NEMS, RF
- Photonics, electronic and optical functional materials
- Screens and display technologies
- Broadband and other communication networks (e.g. 5G)
- Cyber physical systems (e.g. embedded systems)
- Robotics and autonomous systems
- Internet of Things Artificial Intelligence and cognitive systems
- Location based technologies Interaction technologies
- Cyber security
- Advanced or High performance computing
- Data mining, big data, database management
- Augmented and virtual reality, visualization
- Simulation and modelling
- Gamification
- Software as a service and service architectures
- Cloud computing
- Additive manufacturing (3D printing)
- Laser based manufacturing
- ICT management, logistics and business systems
- Internet services
- New Media technologies



Smart Factories in EU13 Member States

Country	Number of submitted applications	Number of applications per country as suggested	Number of selected DIHs by the EC's Steering Committee
Poland	34	7	8
Romania	20	7	5
Croatia	17	3	3
Bulgaria	13	2	3
Czech Republic	9	2	2
Slovakia	9	1	3
Lithuania	8	1	2
Cyprus	7	1	1
Hungary	7	2	3
Latvia	5	1	1
Estonia	3	1	1
Slovenia	3	1	1
Malta	2	1	1
Total	137	30	34

DIHs in EU13

Profile description of each DIH can be accessed through smartfactories.eu website



Hungary's Digital Innovation HUBs

AMLab, Szombathely

Coordinator: Pannon Business Network Association

Type of organisation: Industry associations

AMLab main objective is to become the service provider for promoting and assisting digitization of SMEs in Western Hungary. In the forefront are additive manufacturing, maturity technology survey and their broad applications.

<http://www.pbn.hu>

innomine Digital Innovation Hub, Budapest

Coordinator: innomine accelerator

Type of organisation: Incubators and accelerators

innomine DIH aims at fostering the adoption of Industry 4.0 solutions in order to support digitization of industry by connecting local SMEs to the most innovative Industry 4.0 technologies. The key objective is to promote Industry 4.0 solutions, set up a provider's hub and create a co-creation community to foster the start of new companies and the digitization of manufacturing SMEs.

<http://www.innomine.com>

Digital Innovation Hub of Kecskemét, Kecskemét

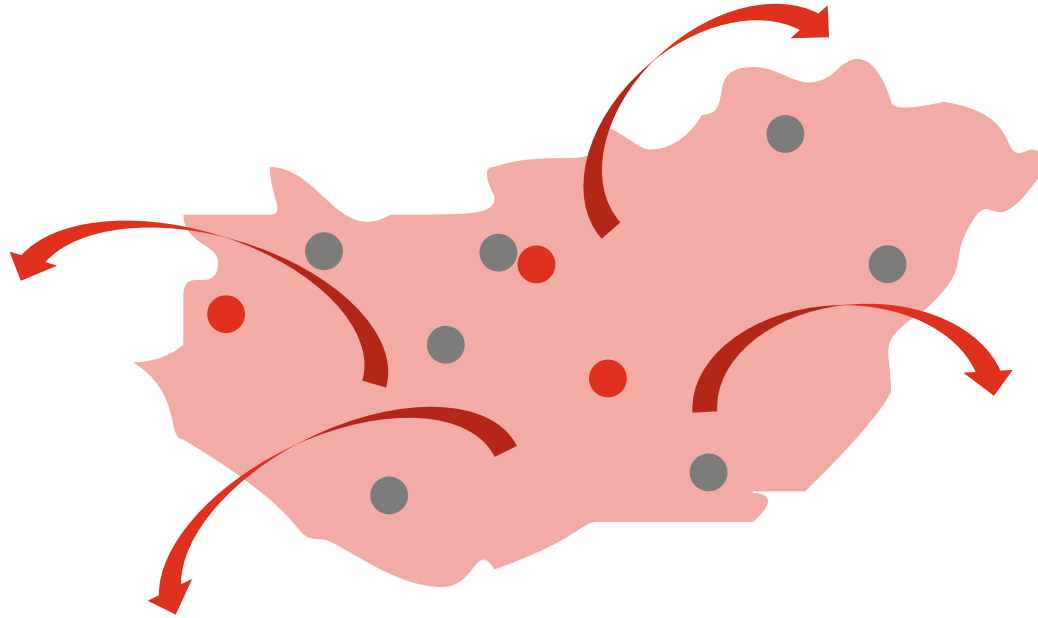
Coordinator: IQ Kecskemét Industrial Research Ltd.

Type of organisation: Incubators and accelerators

Kecskemét Digital aims at becoming a regional center for entrepreneurial support in digital transformation. The objective is to provide practical advice and support to the SMEs of the region in order to foster digital technologies development and the creation of an eco-system for innovation.

<http://iqkecskemet.hu/en>

Next Steps



Utilization of DIH network:

- Main responsibility is on our DIHs
- Building ecosystems considering DIHs in the region or in the west
- Already existing initiatives

Expansion of DIHs within Hungary:

- Copy EU initiative locally to develop new HUBs
- Reached out to earlier candidates
- Involve existing DIHs in the programme

Thank you!



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