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## What is this about?

Measures that enable all sectors to benefit from digital innovation

### Foreseen Activities:

Mainstreaming digital innovations across all sectors

Strengthening leadership in digital technologies

Preparing people for the digital age

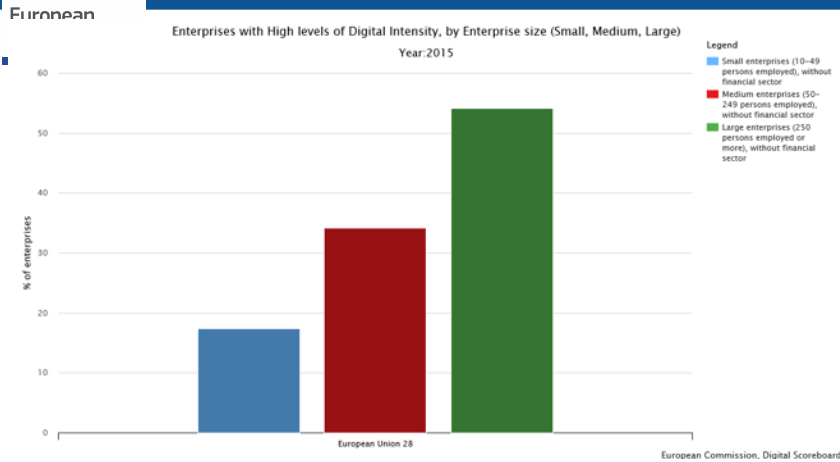
Regulatory framework

Coordination of various initiatives - MS, regional, EU

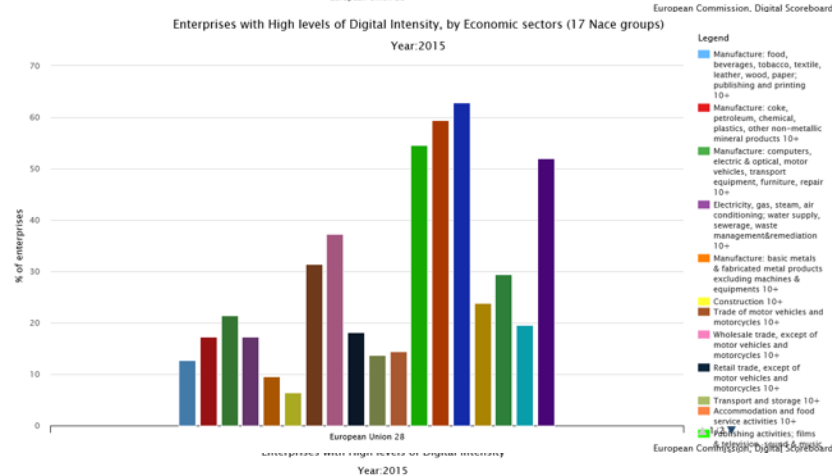
Pool resources, avoid fragmentation, support DSM



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

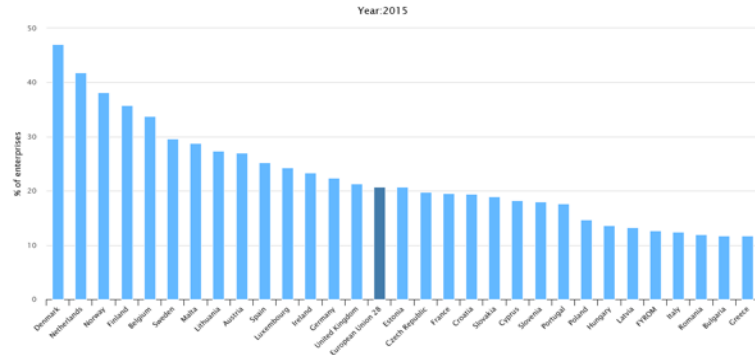


54% of large companies is highly digitised in the EU vs 17% of SMEs



>50% of companies in ICT, telecommunications and media are highly digitised.

Only around 10% of companies in construction, metal manufacturing and food processing are highly digitised



47% of Danish companies are highly digitised vs 12% in Greece

## **Target:      Access to digital technologies and   expertise**

- ❑ within "working distance"
- ❑ for any industry in Europe
- ❑ with a focus on: SMEs, mid-caps, non-tech

## **How:**

- ❑ "Digital Innovation Hubs" across Europe :
  - Provide industry with access to technology, expertise, testing,... based on world-class specialised competence centre
  - In line with smart specialisation strategy
- ❑ Thematic smart specialisation platform on industrial modernisation
  - ❑ Support new partnerships for interregional joint demonstration
- ❑ Public procurement of innovations

## A one-stop-shop providing services to companies in the region through a multi-partner cooperation:

- Awareness Creation around Digital Technologies
- Innovation Scouting
- Digital Maturity Assessment.
- Visioning and Strategy Development for Businesses:
- Brokering/matchmaking
- Access to Specialist Expertise and Infrastructure
- Mentoring
- Training
- Access to Funding and Investor Readiness Services
- Collaborative Research



## Regions/MSs

- ❑ Establish/**reinforce competence centres and DIHs**
  - Across Europe – specific support for regions without DIH
  - Implement relevant activities if needed (incentives, ...)
- ❑ **Collaborate with** digital innovation hubs of **other regions**
  - to fill gaps and facilitate specialisation and excellence

## Commission

- ❑ Support pan-European networking of Digital Innovation Hubs
  - Share best practices, success stories, training
  - Develop catalogue of Hubs, competences, etc
- ❑ Smart specialisation platform for industrial modernisation will provide tailored support to develop joint investment projects.

## Industry

- ❑ Engage with DIHs, help set priorities,...

## Netherlands Field Labs



Mittelstand-  
Digital

La  
FRENCH TECH

.....

## European Factories of the Future PPP

I4MS

ECHORD++



FIWARE  
iHubs



VANGUARD  
INITIATIVE



- Which are the industries that need support?  
e.g. Furniture (wood + plastics), Metal working, Automotive
- What are the strengths of the region?
  - E.g. Competences in mechatronics, simulation, ICT, start up community
- The DIH can hire experts to:
  - Develop together with the industry a vision for the future (e.g. personalised production, new business models, ...); align with smart specialisation strategy
  - Offer support for individual companies to experiment with the technologies necessary to achieve the innovations. An experiment should involve suppliers (startups, ICT, mechatronics) and the users (furniture, metal working, automotive), both will benefit!
  - Small innovation grants (eg innovation vouchers) to facilitate the cooperation. Funding can come from regional funds.
- Collaboration with other Digital Innovation Hubs
  - For filling missing competences
  - If big investments are necessary for facilities, use the SSP for industrial modernisation to team up with other regions



# Funding opportunities for Digital Innovation Hubs

## European Commission 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

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

## National and regional Authorities

- Working group on Digital Innovation Hubs  
Draft report:  
<https://ec.europa.eu/futurium/en/content/report-wg1-digital-innovation-hubs-mainstreaming-digital-innovation-across-all-sectors-0>
- Catalogue of Digital Innovation Hubs
- Workprogramme 2018 – 2020: DIHs in the focus area on digitisation
- ICT Innovation for Manufacturing SMEs [www.i4ms.eu](http://www.i4ms.eu)
- Your Industrie 4.0 actions in the context of Smart Specialisation Platform for Industrial Modernisation