

Internet of Things Striving for new Partnerships

IoT Large-Scale Pilots



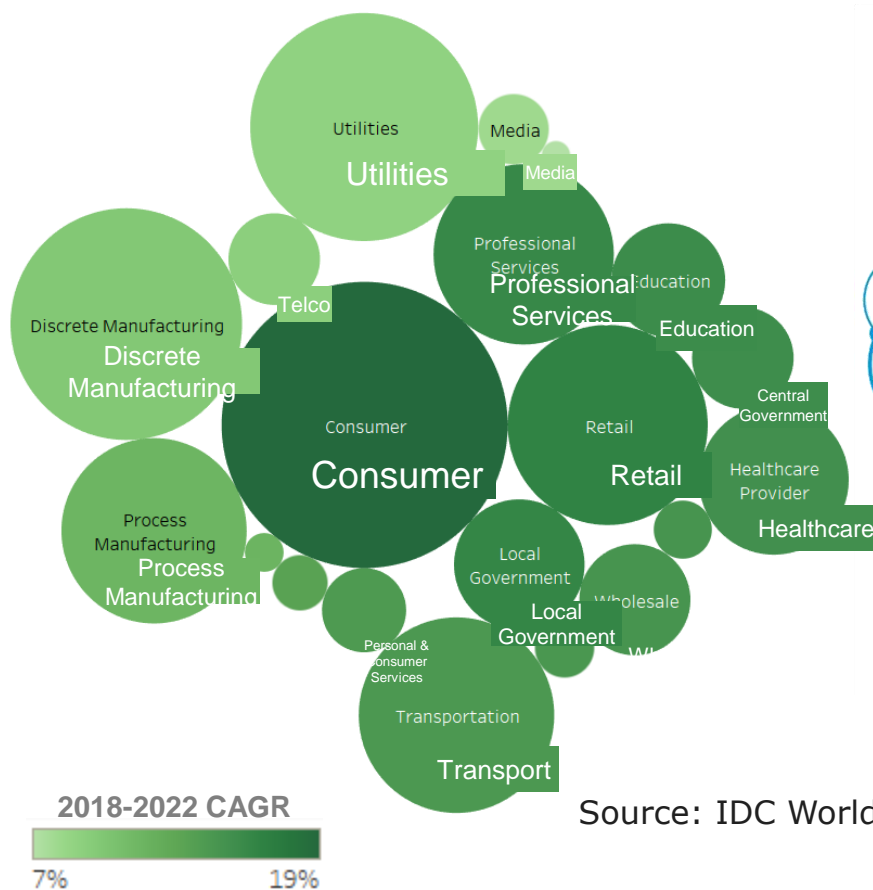
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European Commission - DG CONNECT

IoT Adoption is maturing

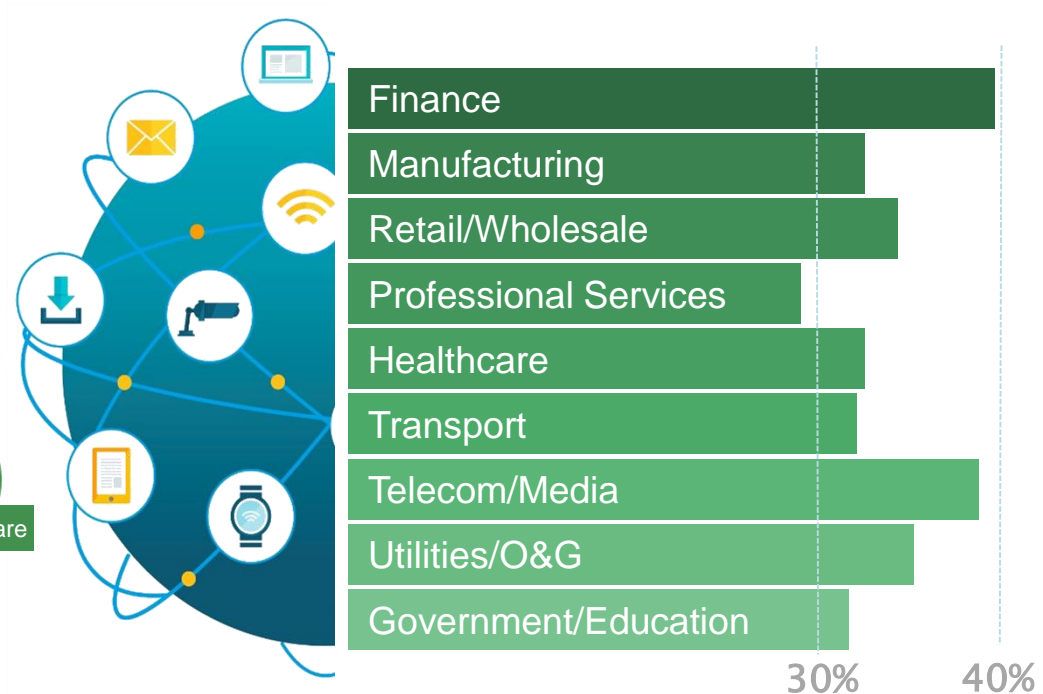
EUROPEAN IOT SPENDING BY INDUSTRY

(2018 Size and 2018-2022 CAGR)



IoT ADOPTION ACROSS EUROPEAN VERTICALS

(% of companies with more than 10 employees adopting at least one IoT solution in 2018)



Source: IDC Worldwide Semiannual Internet of Things Spending Guide 2019

Digitising EU Industry

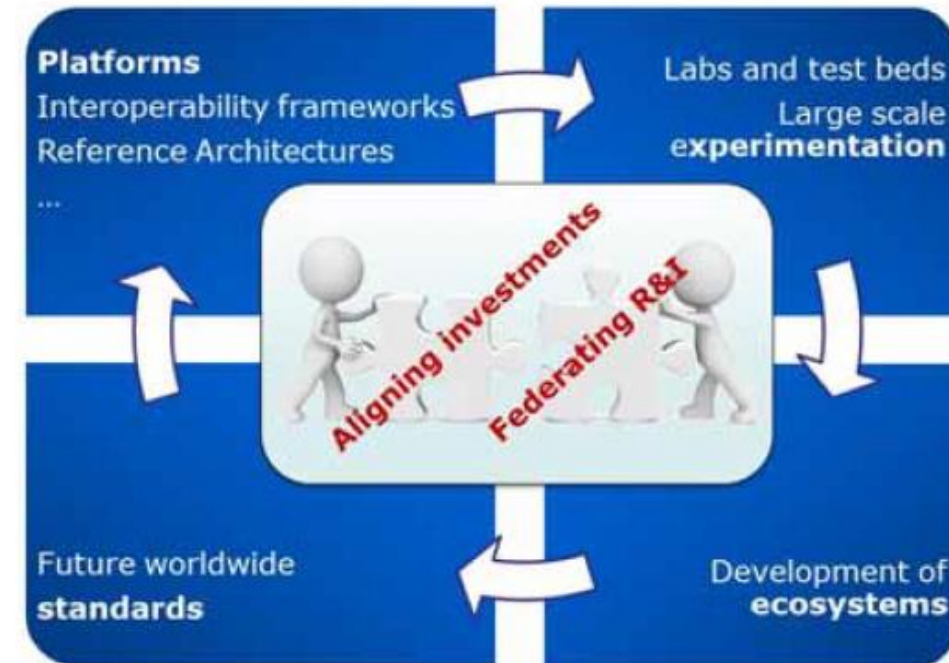
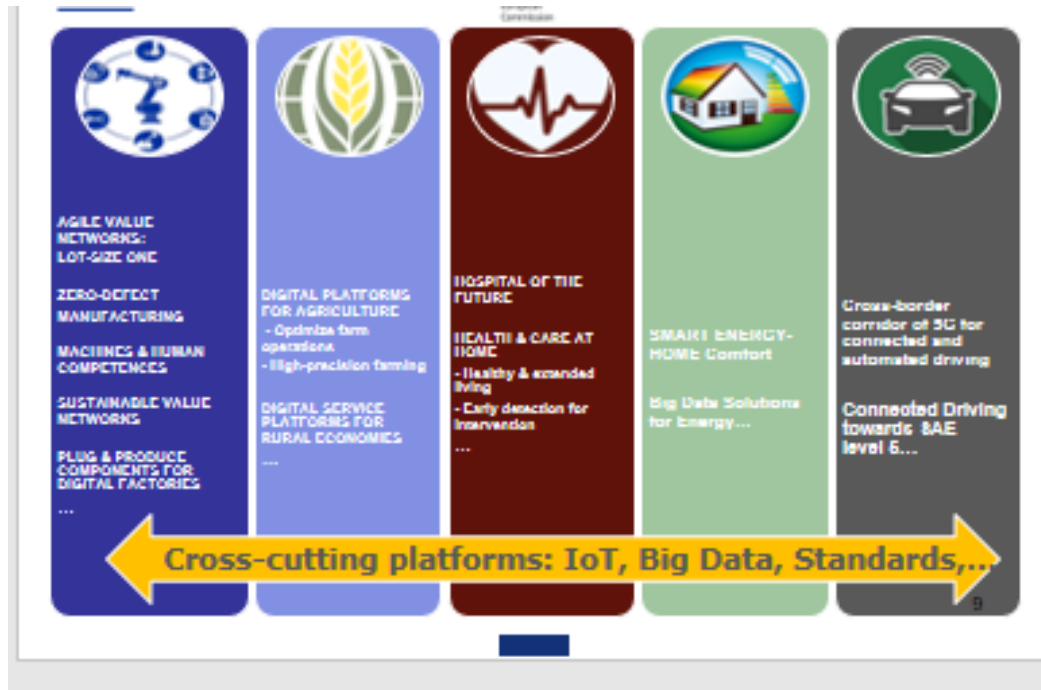
- *Leadership in next generation open and interoperable digital platforms*



- that will drive the **creation of ecosystems** and projects for **cross-sector industrial platforms** adapted to IoT

- Support experimentation environments and reference implementations for platforms

- **Focus Area on Digitisation & Transformation**



Horizon 2020 (300 M€ for 2018-20)

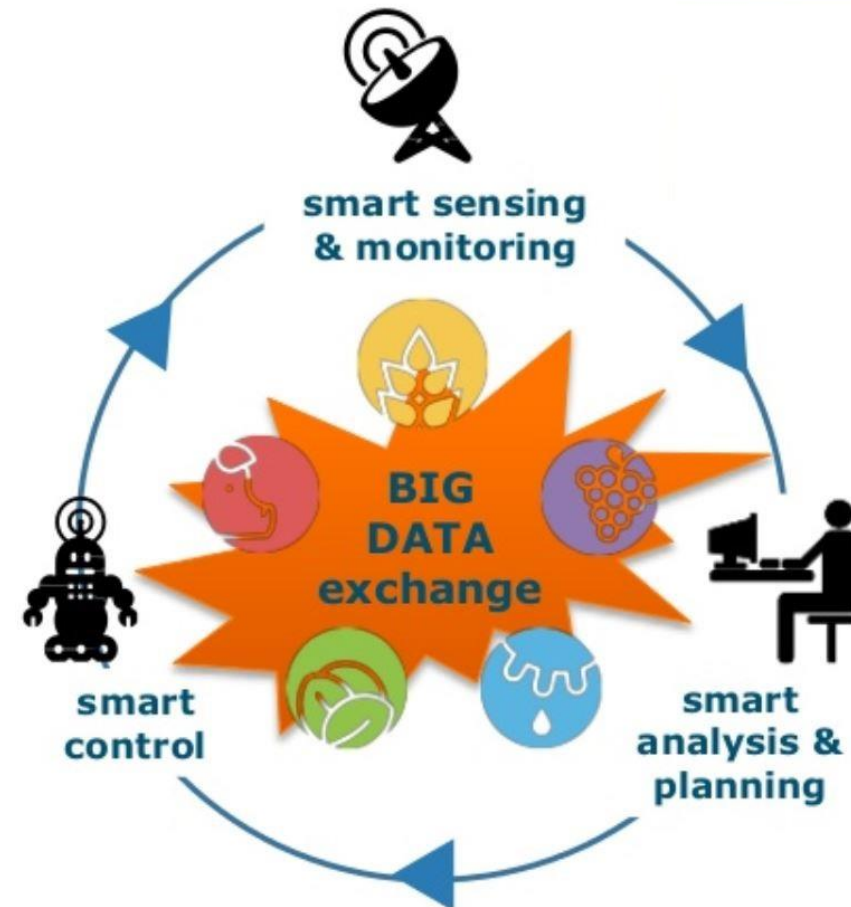
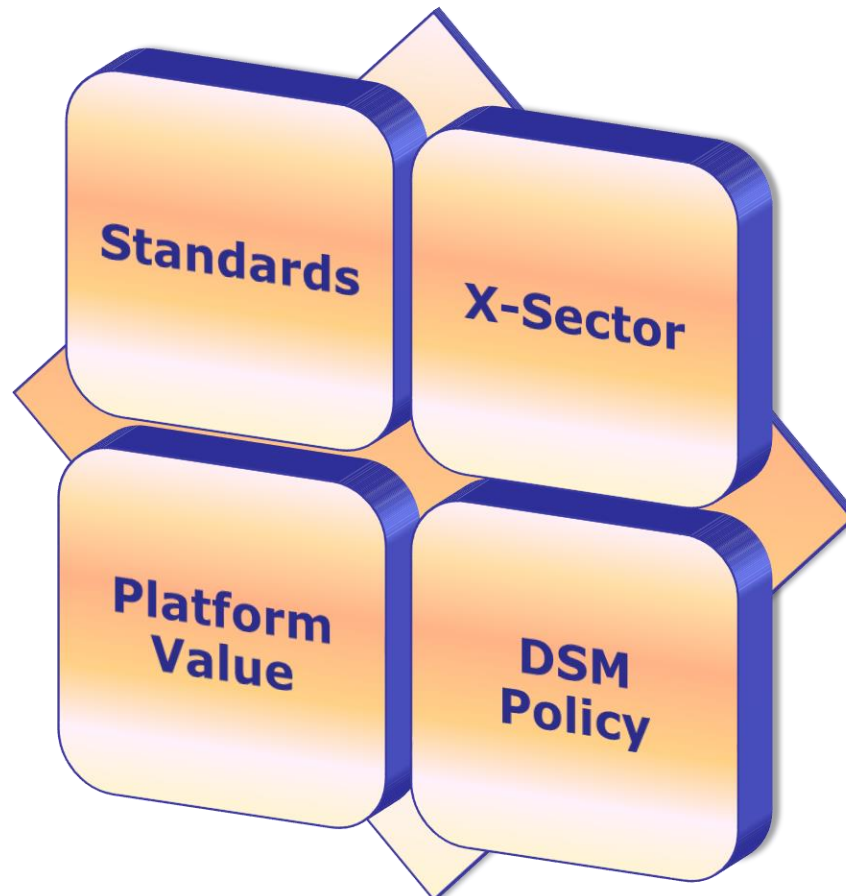
- Next generation platform building and piloting through large scale federating projects
- Common EU-wide strategies pooling resources

See

- <https://ec.europa.eu/digital-single-market/en/industrial-platforms-and-large-scale-pilots>

Industrial IOT Platforms Strategy

- >> „The value of a platform comes through the size of the ecosystem to support it” >>
- What **Strategy for European actors for Industrial IoT?**



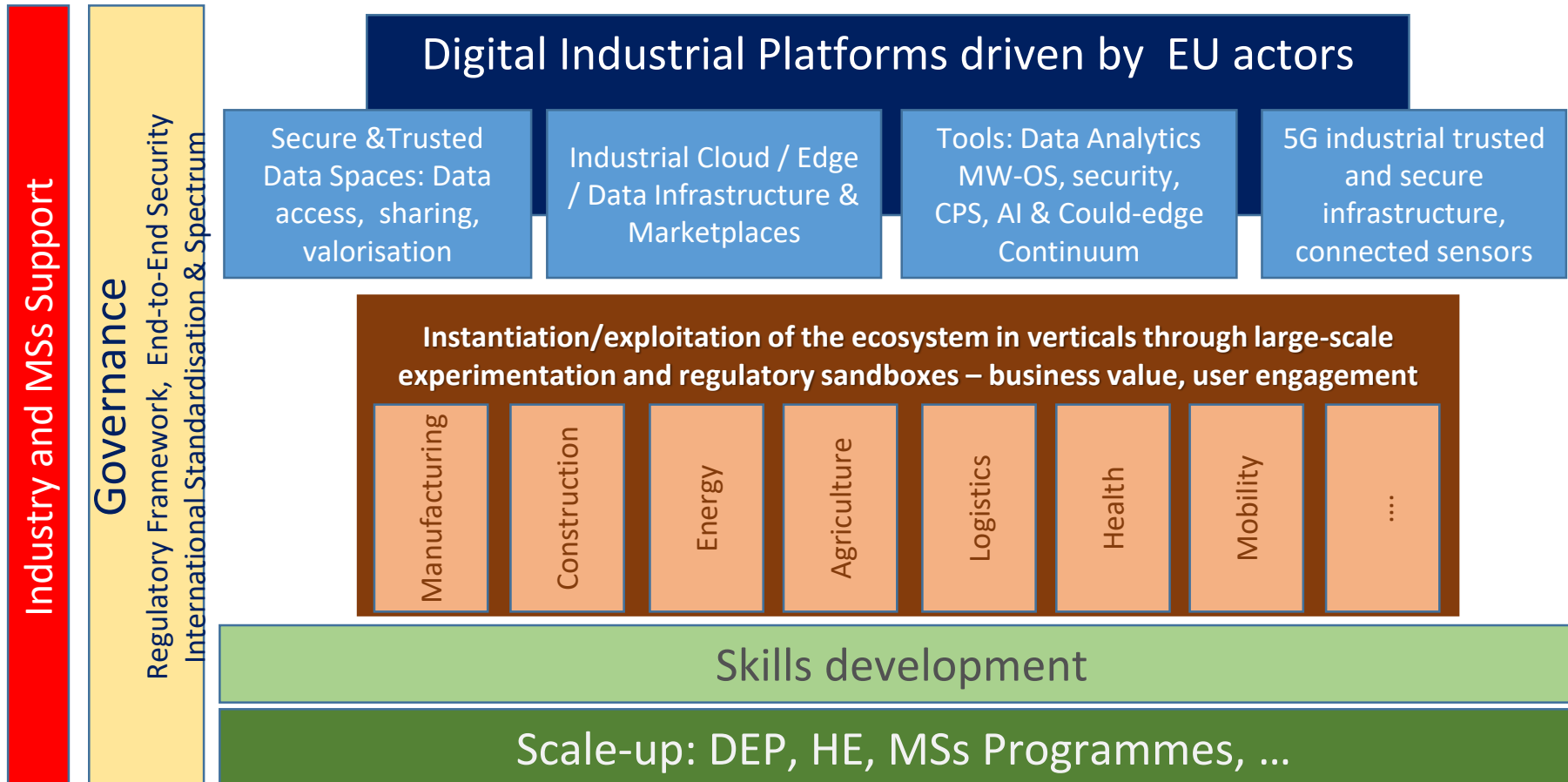
Objective: *ensure that **Europe drives the digital transformation** of society and economy, bringing **benefits to all citizens and businesses***



More specifically to:

- Reinforce the EU's **digital capacities**
 - **Secure & Trusted Industrial Data Space(s)**
(computing, data, cybersecurity, AI,...)
- Prepare for and lead the **next generation technologies**
(Cloud, Edge, CyberPhysical, AI, Crypto)
- Build a **world-leading connectivity infrastructure**
 - **5G industrial and secure network infrastructure**
(low latency, dedicated spectrum slicing, NFV)

Common European Industrial IoT and Data Ecosystem



SVC-IoT Workshop 16 May 2019, CNECT-A2 ML

- **??? Questions for the Panel ???**
 - ? Converging Technologies AI, Cloud, Big data, IoT**
 - ? Need of Digital Data Spaces in Key Sectors**
 - ? Global Competition – Leadership of EU Actors?**
 - ? Reflect on Changing Strategic Value chains...**
 - ? Impact of large industrial testbed initiatives / lighthouse projects**

Background & Useful links:

- **Digitising European Industry Strategy (DEI):**
<https://ec.europa.eu/digital-single-market/en/digitising-european-industry> → FUTURIUM
- **Supporting and Building Platforms under DEI**
- <https://ec.europa.eu/digital-single-market/en/industrial-platforms-and-large-scale-pilots>
- AIOTI Blog: [Standardising the Internet of Things](#): ETSI & AIOTI
- [BDVA Papers](#)
 - Towards a European Data Sharing Space April 2019
 - Big Data Challenges in Smart Manufacturing
- AIOTI White Paper on [IoT Data Market Places – Drivers and Architectures](#)
 - Authors: O. Elloumit, T. de Block, N. Samovich - See alliance AIOTI.eu
- AIOTI Press: [Joint 5G IA – AIOTI Vision](#) on Future Networks, Services & Applications
- European Commission's [Strategy on Key Strategic Value Chains](#), Apr. 2019
 - [Conclusions on a EU Industrial Policy Strategy](#), A vision for 2030