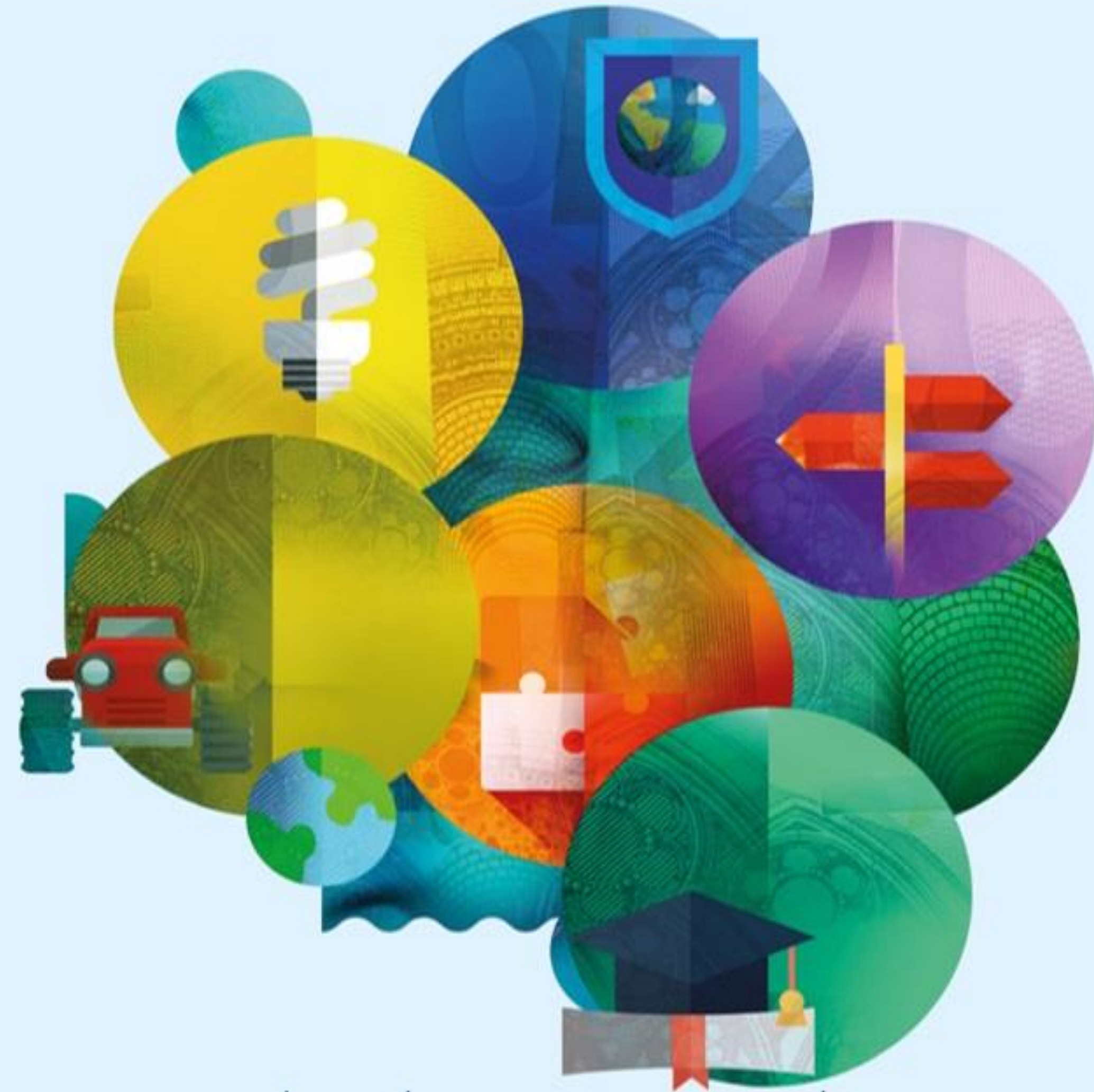


Towards Business Ecosystems

Manufacturing Performance Days

Tampere, 5 June 2019

Dr. Max Lemke
CONNECT A2 - Digitising Industry
European Commission – CONNECT
max.lemke@ec.europa.eu



The Digital Europe Programme is currently under negotiation with Council and Parliament

Some Key Industrial Policy Issues

- Strong competition of world regions and systems
 - European co-operation more important than ever before
 - Exploit economy of scale and large home market
- Many Member States call for a European industrial policy
 - Industry 2030 High Level Group
 - Sovereignty – Strategic Value chains – IPCEIs HLG
 - Europe to match size and strengths of competitors
 - Foreign Direct Investments
- 2019/20 is an important period:
 - European elections - new Commission
 - New Programming Period 2021 – 27 under preparation
 - Finnish and German EU Presidencies

Creating Value through the Digital Transformation

Digitising European Industry Strategy (launched 2016)

- An EU approach for Broad Value Creation
- SMEs are at the core
- Digital Single Market is a pre-condition
- **A European Approach to AI**
- **Leadership in Digital Industrial Platforms**
- New programming cycle:
Digital Europe (new), InvestEU,
Horizon Europe, ERDF



Europe's Artificial Intelligence Strategy - close link to Digitising European Industry

COM(2018) 237/2 – 25 April 2018

Artificial Intelligence for Europe

Make AI accessible "on-demand"
Take up through DIHs

HLG, Stakeholder Forum
High-level Expert Group
European AI Alliance

Ethical and legal framework,
e.g. liability & access to data



Build Europe's technological and
industrial capacity in AI
AI research excellence centres
Testing facilities

Socio-economic changes: Build
skills and pro-actively address
jobs

COM(2018) 795 – 7 December 2018

Co-ordinated plan on Artificial Intelligence

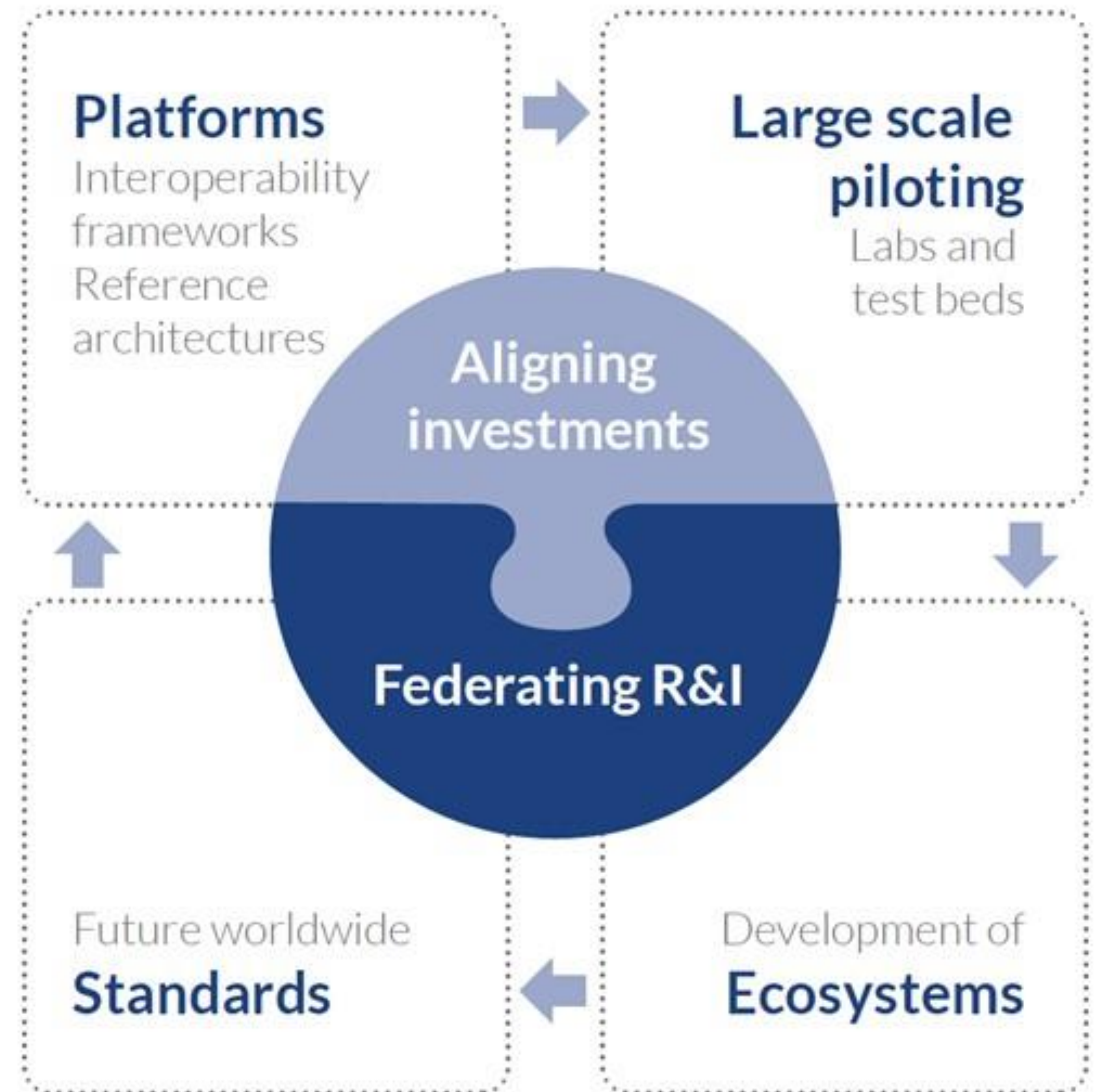
COM(2019)168 – 9 April 2019 Digital Day 3

High Level Expert Group on AI: AI Ethics Guidelines

Brussels - 26 June 2019

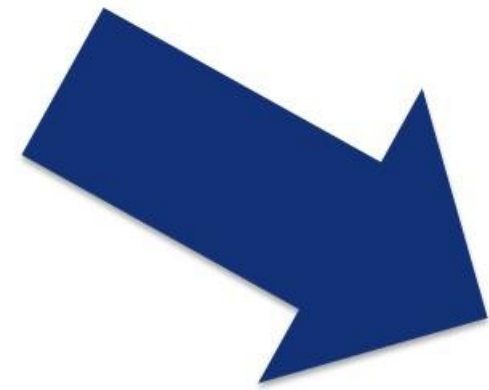
Stakeholder Assembly of the AI Alliance

- In the Digital age, platforms are needed to access ecosystems
- Collaboration is the new competitive advantage
- Need for (new) business models for multi-sided marketplaces
- In Europe's key industrial sectors, European actors must be in the lead
- Data is the fuel of the next generation of digital advances
- One size does not fit all – but too many platforms lead to fragmentation



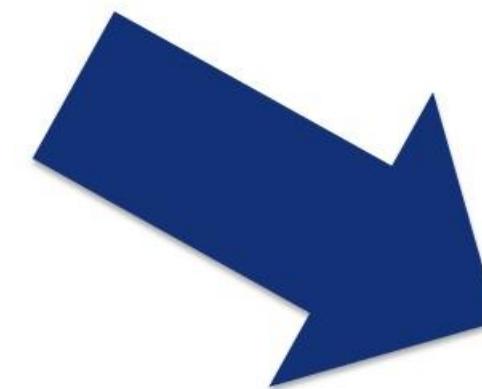
2016

- Collaborative manufacturing and logistics plus factory automation
- Multi-sided markets
- 53 M€, 10 Research and Innovation Actions



2018

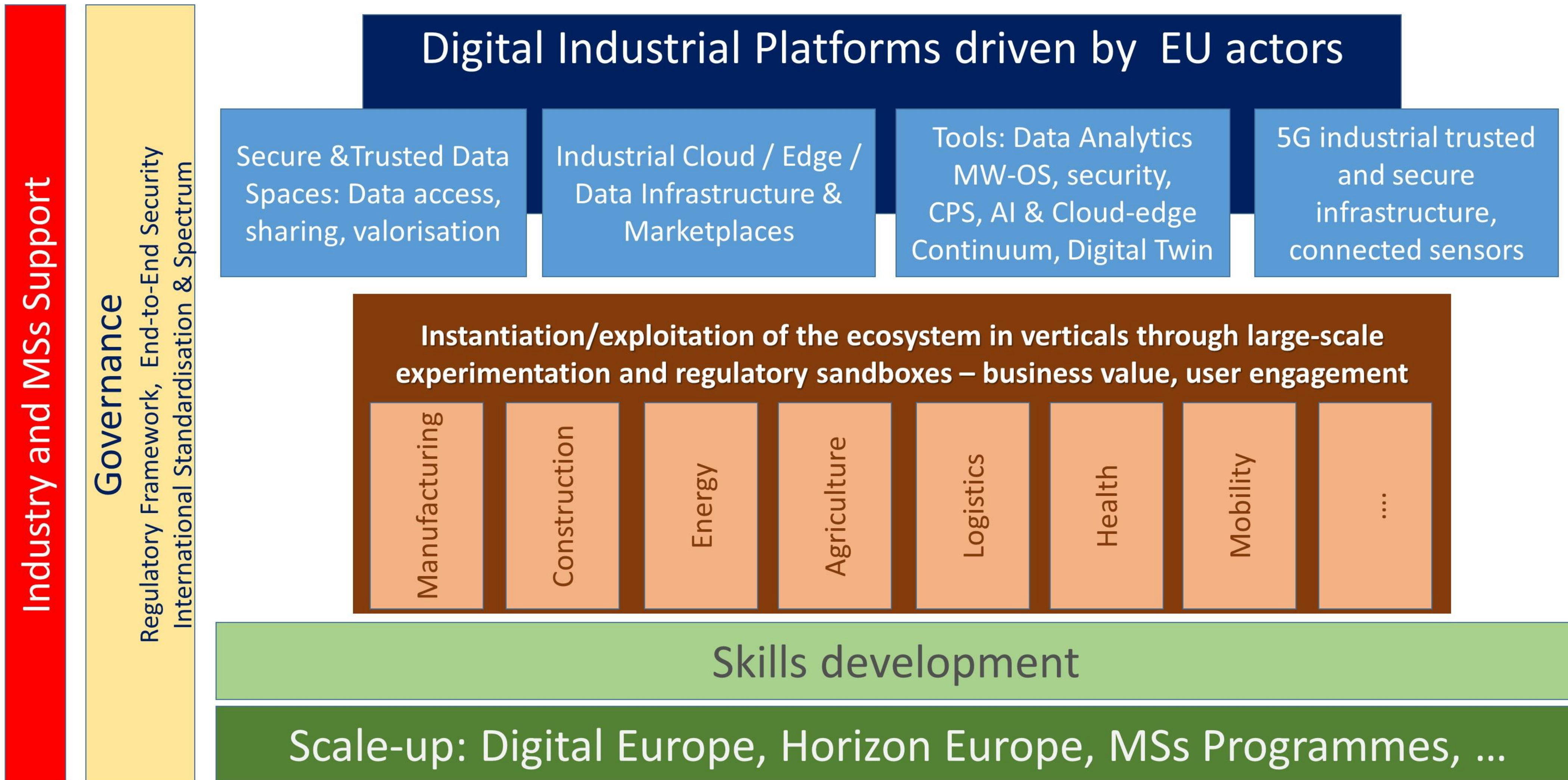
- Consolidation from 2016 and cooperation with national initiatives
- Agile value networks; Zero-defects manufacturing
- DEI Focus Area: Platforms & Pilots
- 48 M€, 3 Innovation Actions



2019

- Further Consolidation
- Human factor; Sustainable value networks
- Market picking up b2b platforms:
 - Increased attention for user requirements
 - Federation of platforms
- 47 M€, Innovation Actions

Common European Industrial IoT and Data Ecosystem



- **Digitising European Industry**
<https://ec.europa.eu/digital-single-market/en/policies/digitising-european-industry>
- **Artificial Intelligence**
<https://ec.europa.eu/digital-single-market/en/artificial-intelligence>
- **Strategic Value Chains**
<http://s3platform.jrc.ec.europa.eu/-/european-commission-announces-the-key-strategic-value-chains?inheritRedirect=true>