



INDTECH2018

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PILLAR 3

Session 3.4

Building the Digitising European Industry Innovation Ecosystem: Complementary Roles of the FoF PPP, the ECSEL JU, and National Initiatives

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Digitising European Industry Strategy



"Ensure that every business in Europe, whatever its sector of activity, wherever located and whatever its size, can take full advantage of digital innovations and competences"

EU-level initiatives:

Digitising European Industry

COM(2016)180

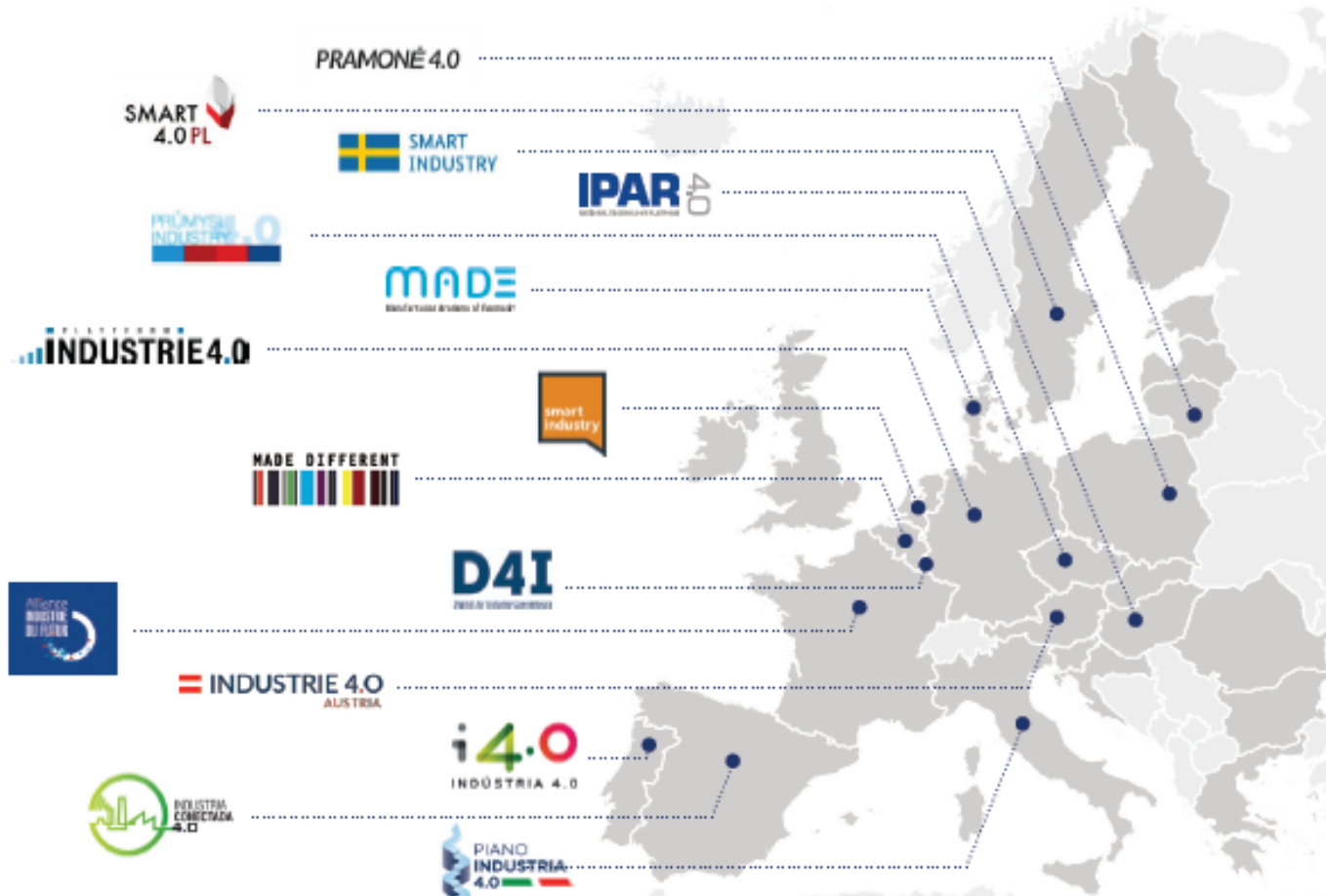
April 2016

Artificial Intelligence for Europe

25 April 2018



Digitising European Industry Governance



Launch of the "Platform of Platforms"
Rome, 23 March 2017

Launch of the AI High Level Expert Group
2018

Strategic Implementation using multiple instruments:

- ECSEL JU: EU + Ind + MSs
- FoF PPP: EU + Ind
- Regional and national Programmes including ERDF
- In addition for AI:
Big data value and robotics PPP

Factories of the Future Public Privat Partnership

- Focus ICT-part: Use of newest ICT advances in manufacturing
- Digitising European Industry strategy:
 - Pillar 1: Digital Innovation Hubs
 - Pillar 2: Partnerships and Platforms
- Partnership: Contractual bi-partite - Industry and EU
- Funding: H2020 standard, 450M€ (LEIT-ICT part), 1.15B€ (total) over 7 years
- Governance: Partnership board – strong link to DEI governance
- Strategy: Strategic Research Agenda – regularly updated, driven by the manufacturing industries
- Implementation: Commission-managed
- Strategic actions requiring intervention at EU-level:
 - Research: Use of latest ICT advances in innovation manufacturing applications (e.g. AI in 2020)
 - Innovation: Digital Industrial Platforms building and piloting (DEI pillar 2)
 - Innovation: Digital Innovation Hubs – highly innovative digital transformation experiments (DEI pillar 1)



ECSEL Joint Undertaking

- Focus: Electronic components and systems: from microelectronics to cyber-physical systems
- Digitising European Industry pillar 2 - Partnerships and Platforms
- Partnership: Institutional tri-partite – Industry, EU, **and Member States**
- Funding: H2020 rules – non-standard, >1B€ per year (1+1+2), ~66% Innovation Actions
- Governance: Public Authorities Board, ECSEL Executive Director, Governance Board
- Strategy: Multi-Annual Strategic Research & Innovation Agenda – regularly updated, driven by components & systems industry
- Implementation: Joint Undertaking
- Strategic Approaches:
 - Value chain approach
 - Piloring and large scale experimentation
 - Lighthouse Initiatives in key application areas – e.g. INDUSTRY4.E (several 100 M€ public funding)
- Comments:
 - Excellent instrument for pooling large amounts of resources for highly strategic projects
 - Complex governance and implementation structure

