

Implementing the Digitising European Industry initiative



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#DigitiseEU





- 1. We will use the tools of Horizon2020 and ECSEL to support research and innovation.
- 2. EC will reinforce partnerships with industry, member states and regions.
- 3. We will put an emphasis on test-beds and large-scale experimentation.
- 4. We will organize a series of events to drive the partnerships.



- European Commission
- Under the Digitising European Industry Strategy: "Leadership in digital industrial value chains and platforms"
- Overall goal: aligning regional, national and EU strategies for large-scale reference implementations
 - Initiatives by industry and MSs/regions
 - EU provides linking pin: WP 2018-20, ECSEL, PPP FoF-ICT, etc.
 - Focusing on a small number of large Innovation Actions





Technologies driving the digital transformation



Public Private Partnerships (PPP) the supply of digital technologies





Digital value chains





Vision: Platforms to lead in digital technologies value chains

European Commission





DIGITISING EUROPEAN INDUSTRY EC Communication





Key challenges for Industry 4.0 (Kagermann)

- Semantics and models for Industry 4.0
- Systems engineering for adaptive systems
- Logistics 4.0 self organised and adaptive
- Automated contracting and value networks
- Autonomous production systems and human interaction

Starting Point: Industry-driven platforms



Commission

Community-led sector-specific (vertical)





Community-led cross-sector (horizontal)









Proprietary with open interfaces SIEMENS





Content and Simulation apps Related brands: 3DVIA, DELMIA SIMULIA 3D Modeling apps Related brand: CATIA, GEOVIA, SOLIDWORKS

3DEXPERIENCE

Real time 3DEXPERIENCE Platform

for Supply Chain and Manufacturing



Predix

Pooling of Resources for pilot production initiative



Commission

Pooling of Resources – Co-investment

Regional Investments

Best practice Experimentation in zzz aerospace lab Close-to-reality experimentation in xxx auto model factory Member States Investments

> Large scale experimentation in yyy automotive lab

Development and integration of platforms, interoperability frameworks, ...

Best practice Experimentation in xyz truck lab

> Industrial Investments

Real production Auto OEM x with supply chain EU Investments FoF/SPIRE/ ECSEL / ...

> SME testing facility at zyx digital innovation hub

THANK YOU and stay tuned!

Digitising European Industry http://ec.europa.eu/digitalagenda/en/digitising-european-industry

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