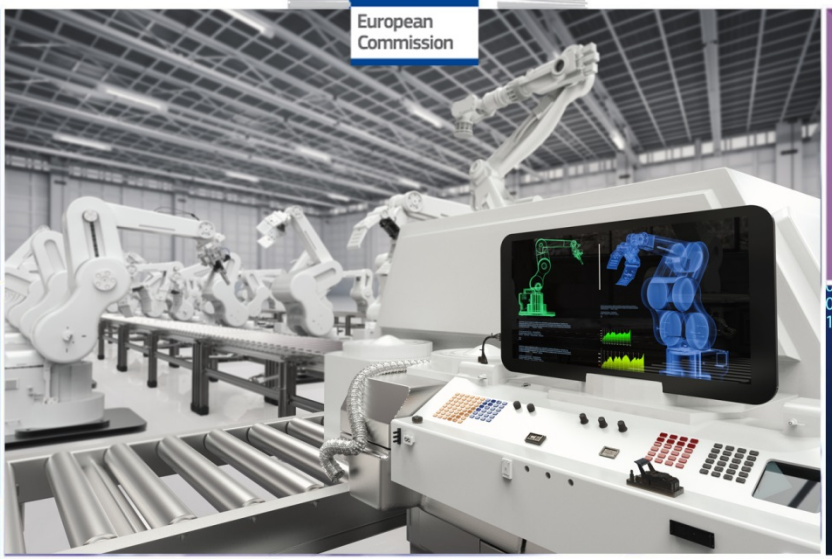


#DigitiseEU

Data Spaces for Manufacturing in Horizon Europe and Digital Europe

DEI Stakeholder Forum, Madrid, 15 November 2019

Arian Zwegers
Technologies & Systems for Digitising Industry,
DG CONNECT/A2, European Commission

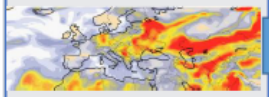
Common European Data Space
COM(2018) 232

Common European Data Space

Free flow of data (across sectors and MS)

Data Governance (GDPR, data sharing rules)

Rich pool of available data (open and closed)



High-value data sets from the public sector

Large data spaces per sector

Data platforms for pooling and sharing

Interoperability

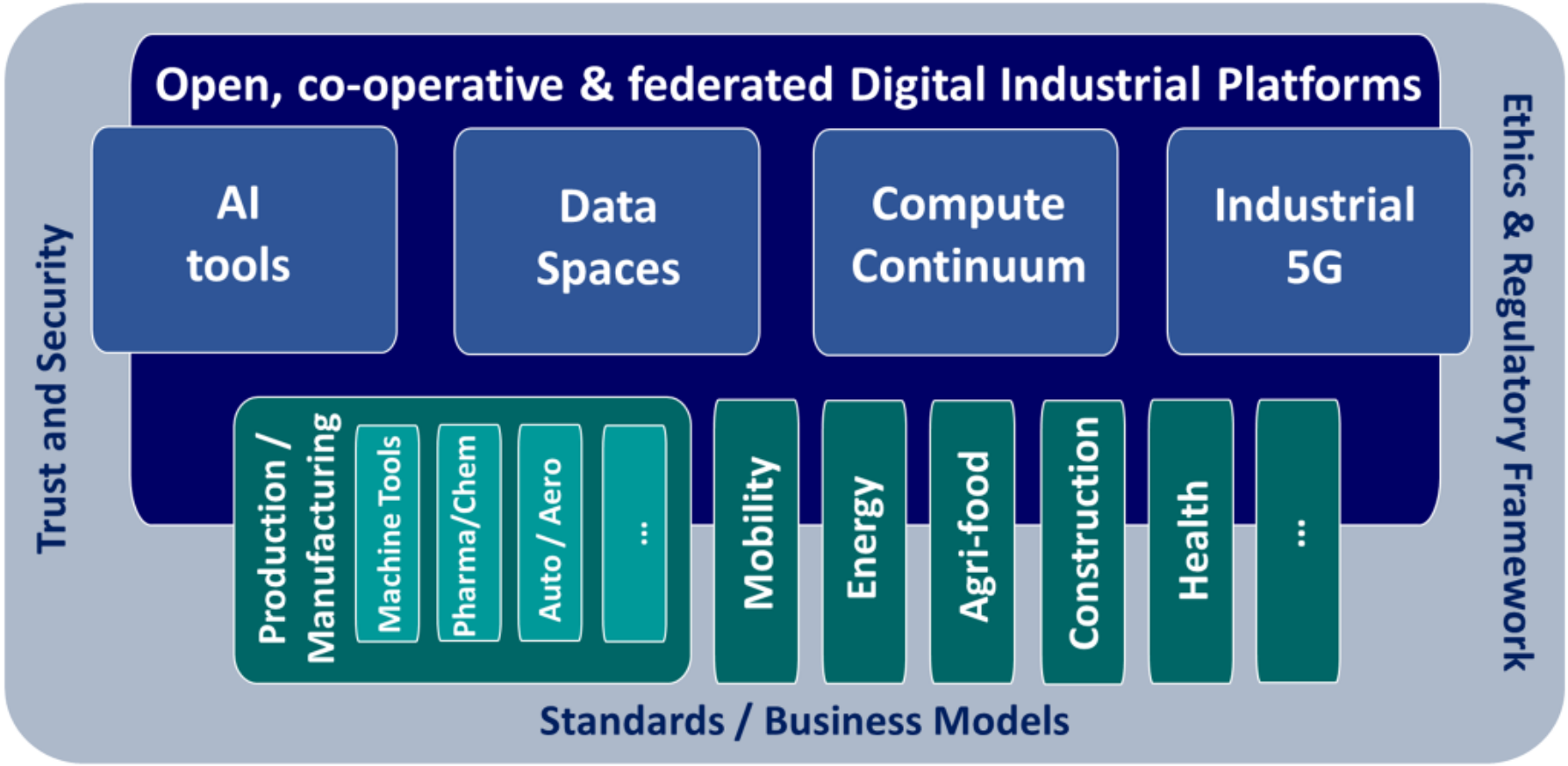
Cloud storage and processing

- Health
- Industry
- Agriculture
- Finance
- Transport

Personal data spaces

European Commission

Towards European Industrial AI Ecosystems



Horizon Europe: evolution not revolution

Budget proposed: €100 billion*

Pillar 1
Excellent Science

- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness

Clusters
- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3
Innovative Europe

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

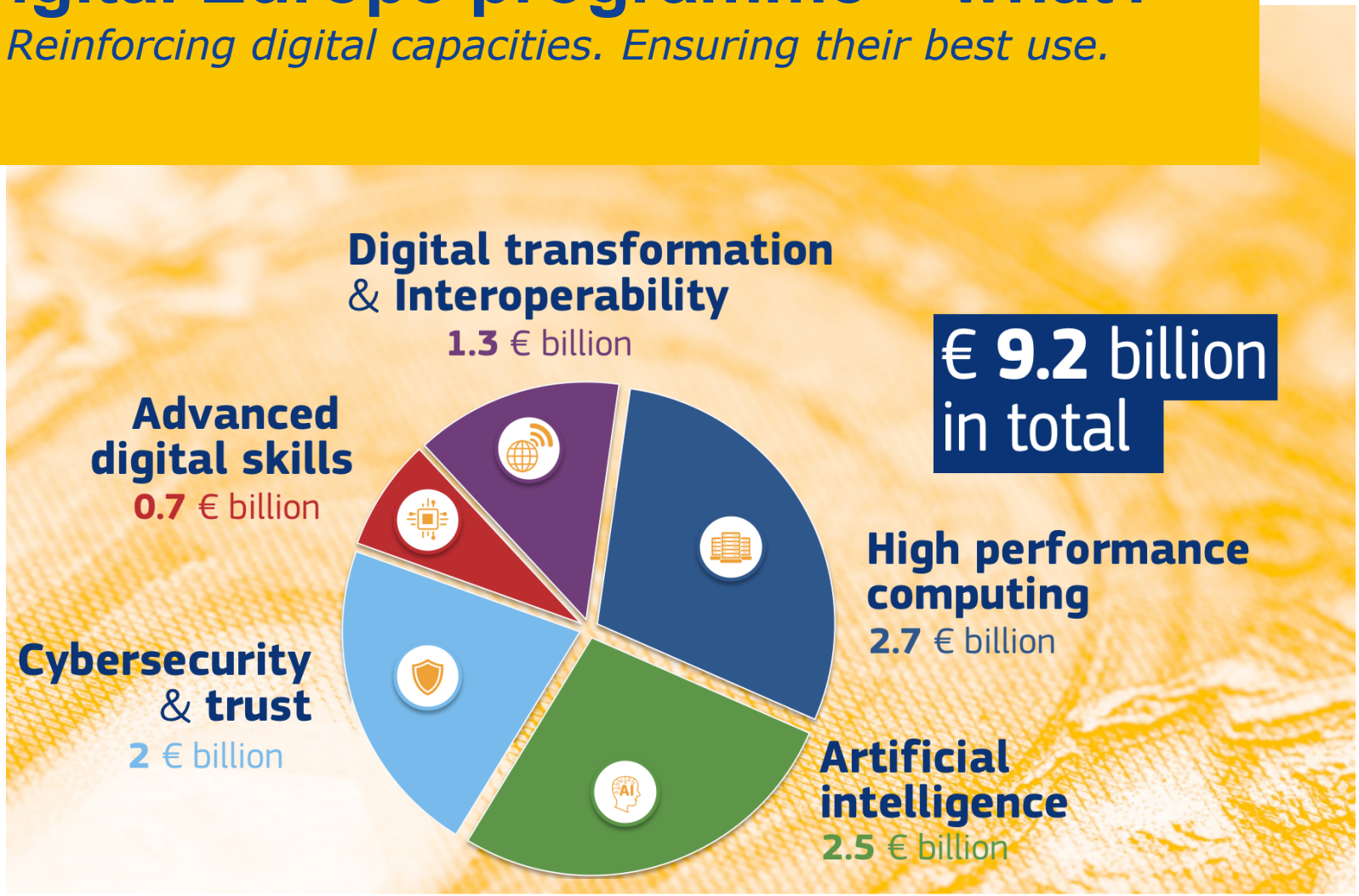
Widening Participation and Strengthening the European Research Area

- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system

European Commission

Digital Europe programme – what?

Reinforcing digital capacities. Ensuring their best use.



#EUBudget
#DigitalEurope

European Commission

Artificial Intelligence (2021-2022)

- Establishing EU-wide common, interoperable data spaces providing access to data for AI
  - Data spaces in key industrial and societal sectors: Pooling and sharing of data in sectors identified as priorities;
  - High-value datasets from the public sector;
  - Developing incubators for aggregating demand for data assets and to bring together data providers, integrators, brokers, data users and service providers, especially SMEs;
- Developing world-class large-scale reference Testing and Experimentation Facilities (TEF) for AI hardware, software, components, systems and solutions, and underlying resources (data, computing, cloud) in a number of sectors;
- Scaling up the Common European AI platform, building on the existing AI-on-demand platform.

September 16 workshop

- A strong call on policy makers to ensure 'data sovereignty' for European players, i.e. ensure that in any digital collaboration and data sharing European actors work towards the benefit of the individual companies and avoid Big Tech platform players to enter this space
- Strong plea to leave it to companies to work out the underlying models and business cases for which such data sharing should happen; ultimately data sharing should thus happen on the basis of contracts
- Data sharing platforms such as common European data spaces seen as very helpful initiative in terms of achieving data sovereignty
- The "International Data Spaces"- initiative (IDSA) is a promising European approach promoting data sovereignty, trying to achieve interoperability and providing facilitated standards for B2B platforms both on the horizontal and vertical level. IDSA has 100 members from 19 countries (European Union plus Brazil, Canada, China, India, Japan, United States)

https://ec.europa.eu/digital-single-market/en/news/common-european-data-spaces-smart-manufacturing

European Commission

Thank you!

Contacts

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Follow the latest progress and get involved

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