

IOTWeek

Dublin — June 20-23, 2022

EU support to digital platforms Introduction

GLOBAL VISION:

IoT TODAY AND BEYOND

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Internet of Things

DG CONNECT

European Commission

IOTForum

Industrial Internet of Things: the strategic picture for Europe

Next generation IoT

Power to the edge,
where the data is
Seamless
connectivity



Next generation operating Systems
Decentralised/swarm intelligence
Cognitive computing continuum

Investment in Data Spaces
EU 5G & cloud-edge
infrastructure/services

**Standardisation &
Interoperability**



**Vertical, horizontal &
cross-sector integration**

Common Open Digital Platforms & Ecosystem

**Competition law,
Geopolitics**



**Strategic
autonomy**

Data legislation, e.g.:

- Data Act: Access and fairness on data market
- Digital Market Act: limited role of gatekeepers

Transition pathways
towards resilient,
innovative, sustainable
and digital ecosystems

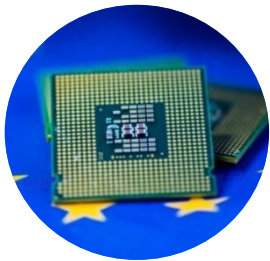


Open, dynamic
ecosystems for EU
tech businesses

New Industrial Strategy

Chips Act

Next generation chips
powering intelligence
at the edge




Semiconductor
Chips made in Europe



Data Strategy



EU funding support along the way

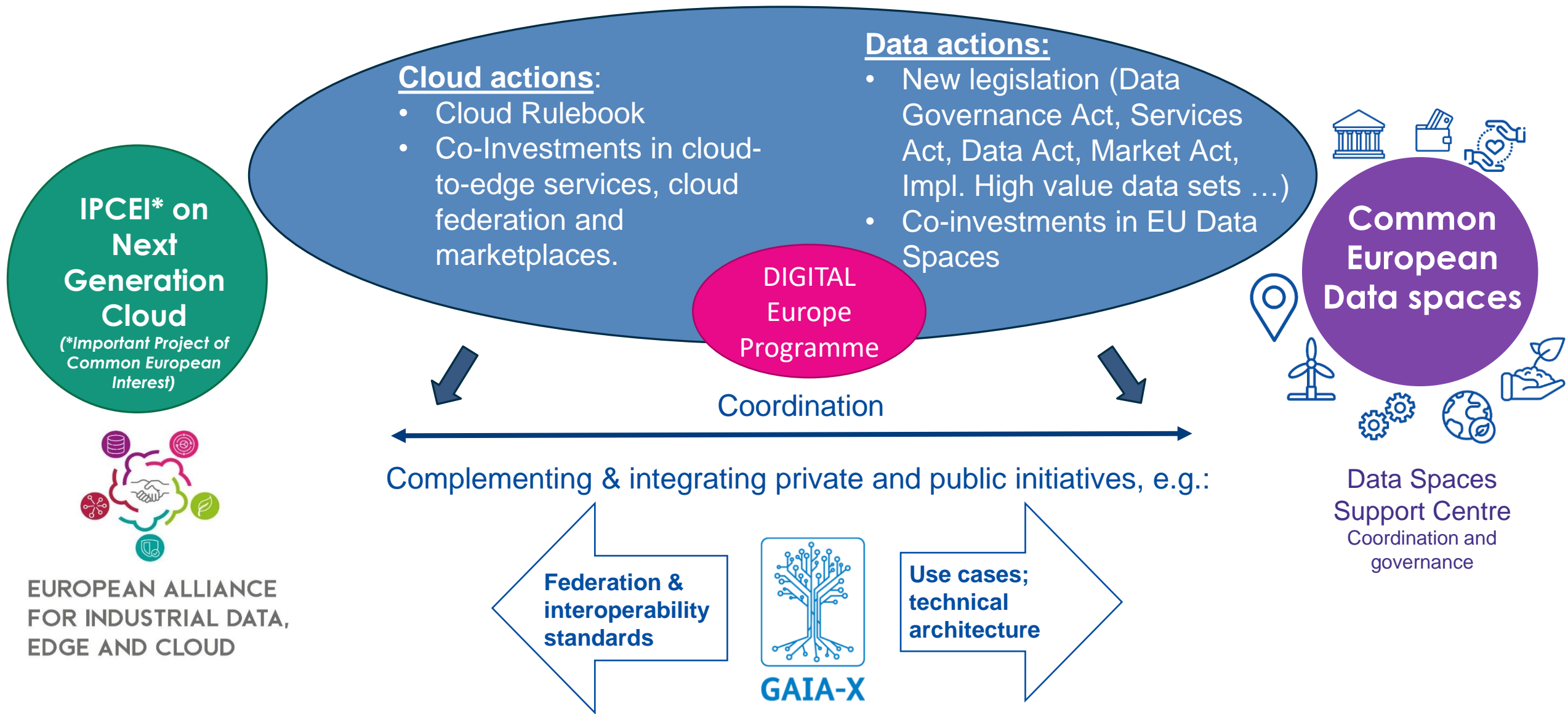
- ❑ Horizon 2020/Europe
 - IoT, Smart Cities, etc. large scale pilots e.g. Synchronicity (MIMs), InterConnect (SAREF), ...
 - CSAs – Open DEI (platforms, data spaces, ...), ...
 - Energy Data Space
 - Cloud-Edge MetaOS, Swarm intelligence, Cognitive cloud....
 - Nurtured some very capable start-ups/SMEs – e.g. Ubiwhere, Sensinov, ...
 - ❑ Digital Europe Programme
 - Common European Data Spaces – Sectorial, Support Centre
 - Cloud-Edge continuum/services, Smart middleware
 - Local/Urban digital platforms
 - Digital Innovation Hubs
 - ❑ Connecting Europe Facility Digital
 - Operational Digital Platforms
 - CEF Building Blocks
 - ❑ Recovery and Resilience Facility
- 

All important aspects taken into account






- Platforms
- Interoperability
- Standards
- Ecosystem
- APIs
- Ontologies/Semantics
- Trust and cybersecurity
- Sustainability



The European Data strategy



Legal instruments

 <p>Data Governance Act</p>	Ensure <u>TRUST</u> in data transactions.	Public sector data, private sector data and personal data voluntarily made available by data holders.
 <p>Digital Market Act</p>	Regulate <u>MARKET POWER</u> based on data.	Personal data and private sector data held by online platforms and originating from the users (both businesses and individuals).
 <p>Digital Service Act</p>	Ensure a proper functioning of the single market for <u>DIGITAL SERVICES</u> .	Best conditions for innovative cross-border digital services to develop. Maintain a safe online environment and protect fundamental rights.
 <p>Impl. Act. High Value Datasets</p>	Unleash the socio-economic potential of data as a <u>PUBLIC GOOD</u> .	Public sector data of high value.
 <p>Data Act</p>	Ensure <u>FAIRNESS</u> in the allocation of data value among the actors of the data economy.	Private sector data, personal data and co-generated (IoT) data.



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Thank you!

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