

AI, Data and Robotics Partnership

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President BDVA, VP ADRA, VP Gaia-X

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BDV

BIG DATA VALUE
ASSOCIATION



BDVA and European Partnerships

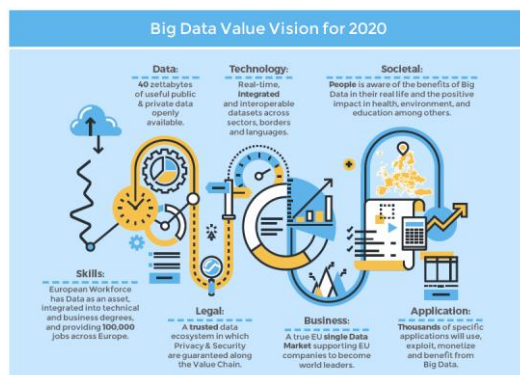


2014



2021+

Launch of the **Big Data Value PPP**
PPP projects start 2017



Towards a **European AI, Data and Robotics Partnership**



65 running projects since 2017
Report In 2018:

- Over 1,6B€ Private investments mobilized
- 132 innovations of exploitable value by 2018
- 224 experiments/use cases (+108 from BDVA i-Spaces)
- 80 large scale experiments using closed data
- 106,73 Petabytes of data shared for experimentation



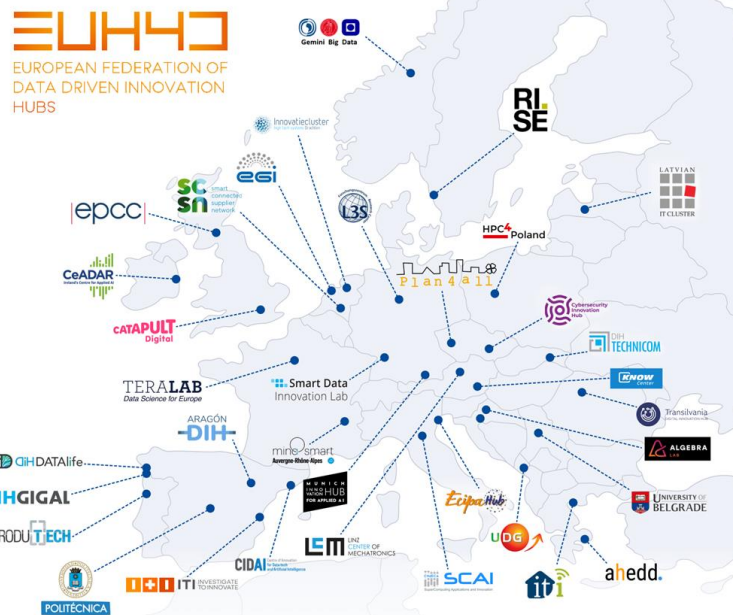
Big Data Value PPP



EuroHPC Joint Undertaking

Shaping Industrial applications





... in Slovenia 29 Nov – 3 Dec, 2021

Brokering Event for European Data Spaces results

750+

REGISTRATIONS

550+

ACTIVE
PARTICIPANTS

60+

PITCHES

200+

RESOURCES
SHARED

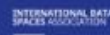
~300

MATCHMAKING
ACTIVITIES

110

1:1 MEETINGS
HELD

Data Spaces Business Alliance



EUROPEAN
**BIG DATA
VALUE** FORUM

EBDVF 2021

HIGHLIGHTS!

- Over 1500 registered attendees
- High number of event followers in Youtube
- 46 sessions
- 334 high level speakers
- 46 sponsors
- Excellent live stage in Ljubljana (professional moderator and production team)
- 4 parallel stages during most of the days > Zoom meetings streamed to B2match and Youtube

ORGANISED BY:



LOCAL SLOVENIAN PARTNERS:



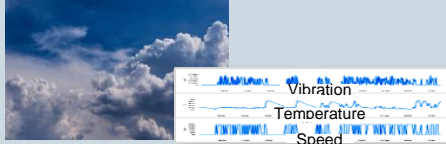
<https://ebdvf.eu>

Industrial AI needs an End-to-End perspective ... improve existing business and tap new businesses

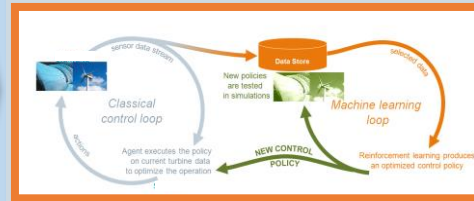
Perception

Signals and data

e.g. temperature, acceleration, pressure, force, magnetic field, ...



Cognition



Decision



e.g.
Speed

Flexibility

Quality

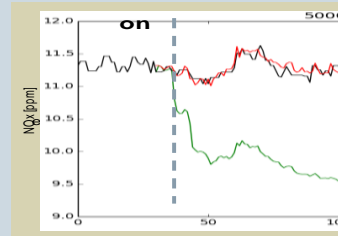
Efficiency

Interaction



Data and Knowledge

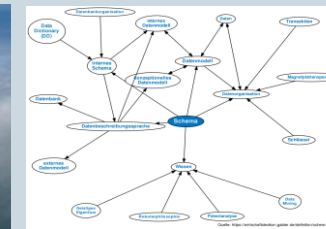
Data and know-how
feed algorithms



Machine data

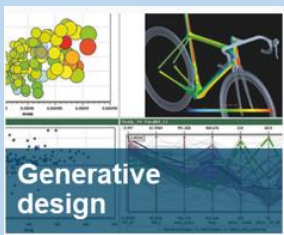


Domain Know-How

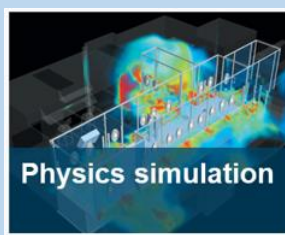


Context Know-How

AI Applications



Generative design



Physics simulation



Process optimization



Autonomous Systems



Robotics



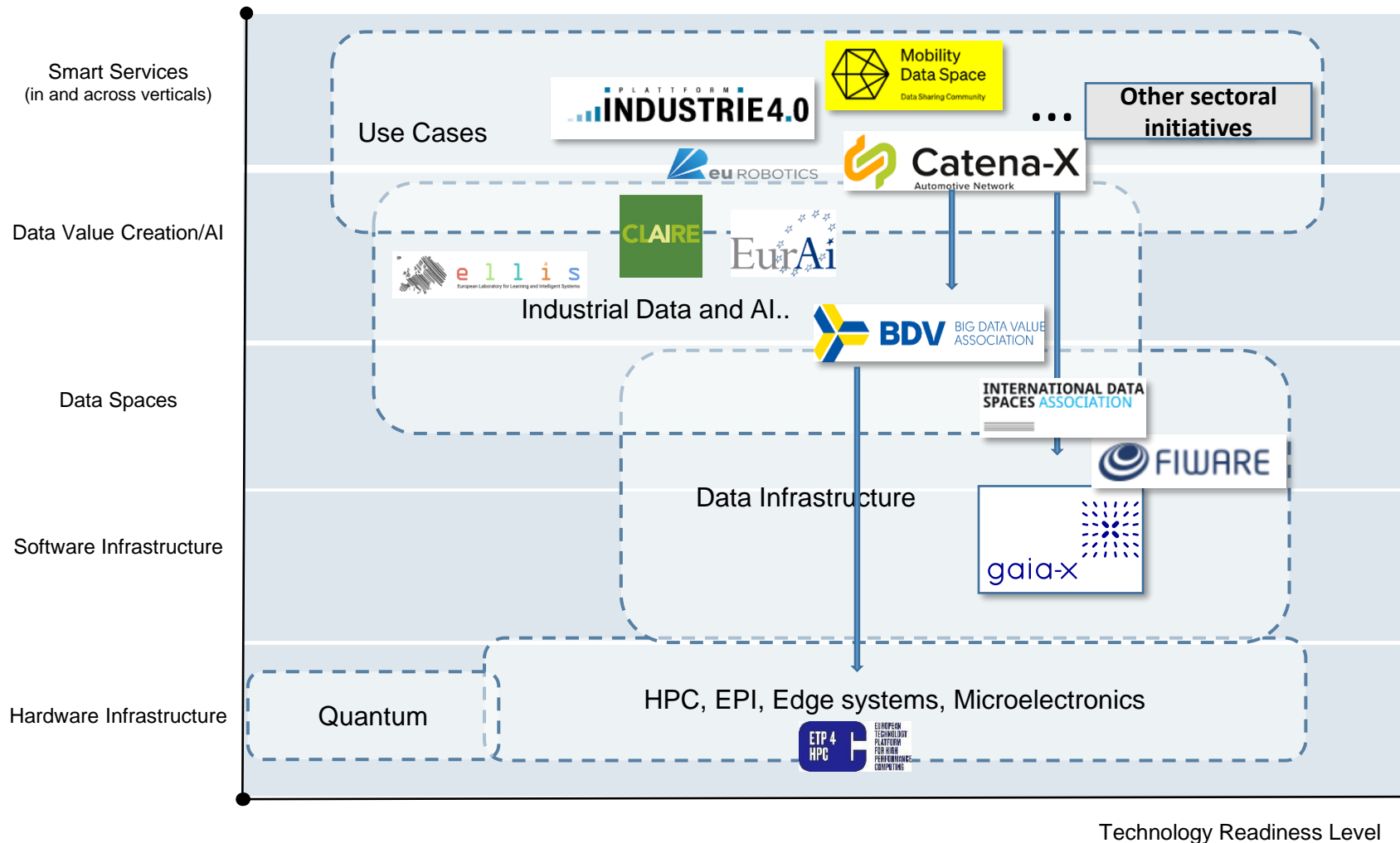
Predictive maintenance



Anomaly detection

Strategic Digital/Data related initiatives for Europe

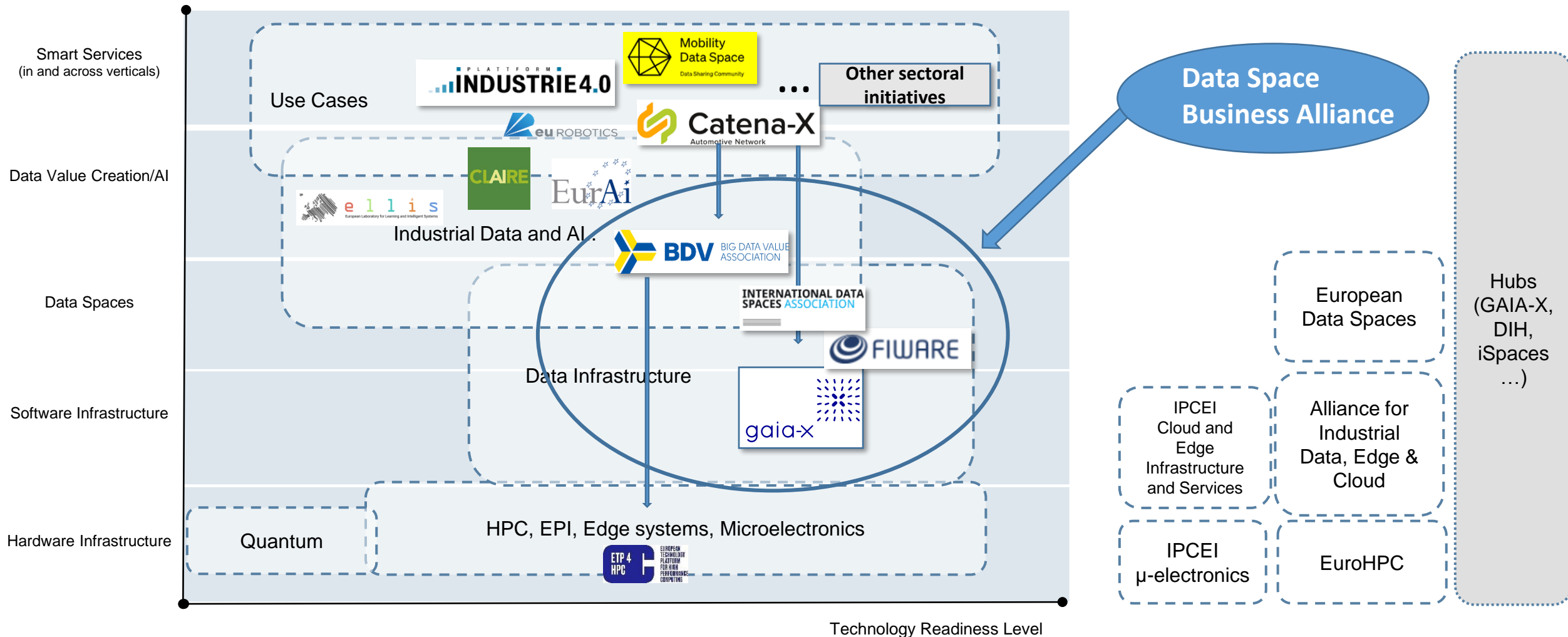
Showing technology coverage (Comment: examples)



Technology Readiness Level

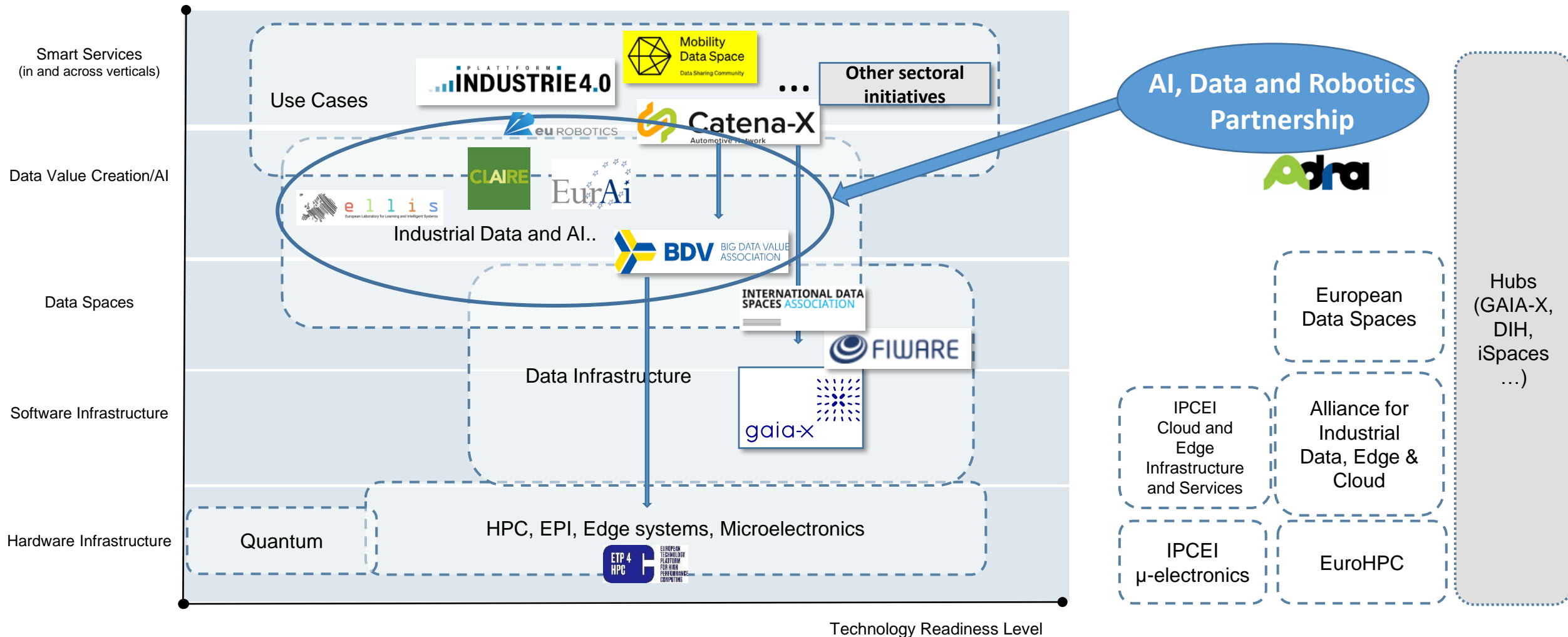
Strategic Digital/Data related initiatives for Europe

Showing technology coverage (Comment: examples)



Strategic Digital/Data related initiatives for Europe

Showing technology coverage (Comment: examples)



What is a Public Private Partnership?

Co-programmed partnerships in Horizon Europe

European Commission

Public Side

**Public
Private
Partnership**

Private Side

- Bring the Commission and private and/or public **partners together**
- Are a key implementation tool of **Horizon Europe**
- **Share** financial, human and infrastructure resources
- Provide **concerted** research and innovation initiatives
- Reduce duplication of investments & the fragmentation of the research and innovation
- Make research and innovation funding more efficient
- Create an internal market for innovative products and services
- Enable innovative technologies to get faster to the market

A joint initiative by



CLAIRE



The AI, Data and Robotics partnership (2021-2030)

Co-programmed partnerships in Horizon Europe



European Commission

Public Side

**Public
Private
Partnership**

ADR Association

Private Side



In the MOU signed between Adra and the European Commission, it was agreed to design a number of programs for European companies and raise 2.6 billion euros to fund these:

- Up to 1.3 billion euros of public investment by the European Commission (through Horizon Europe)
- Up to 1.3 billion euros of private investment through Adra for the period 2021 – 2030

A joint initiative by



CLAIRE



General Objectives



Secure **European's sovereignty** over AI, Data and Robotics technologies and knowhow

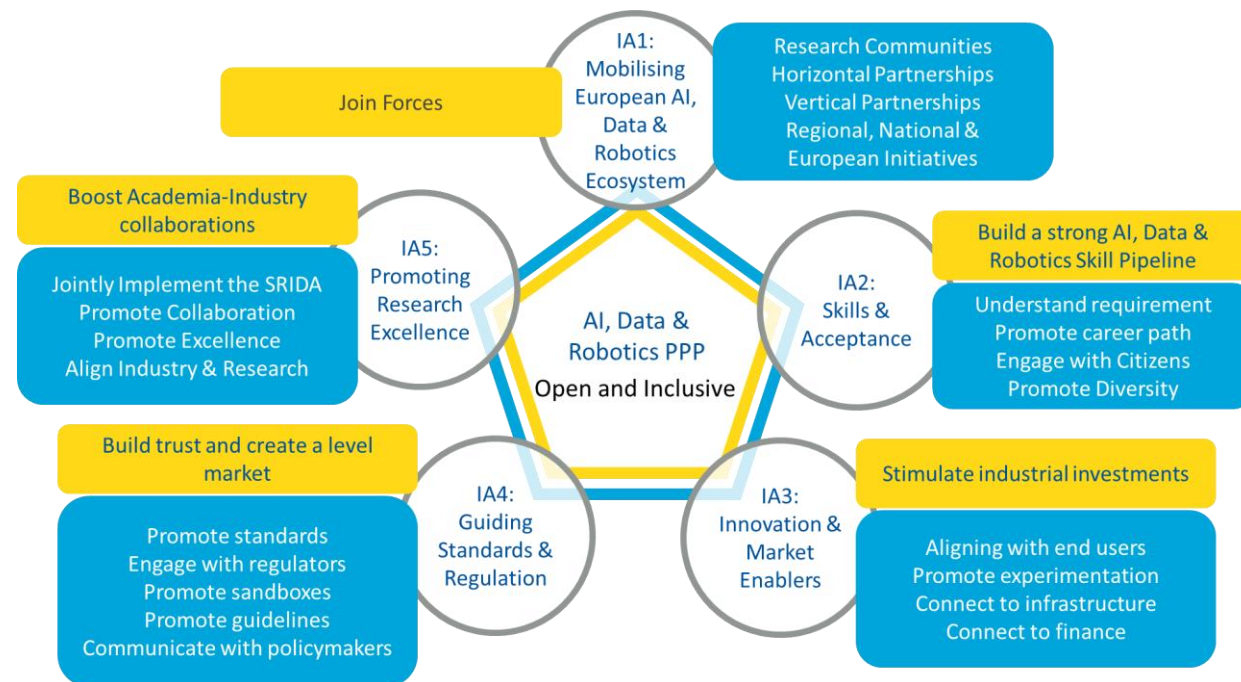
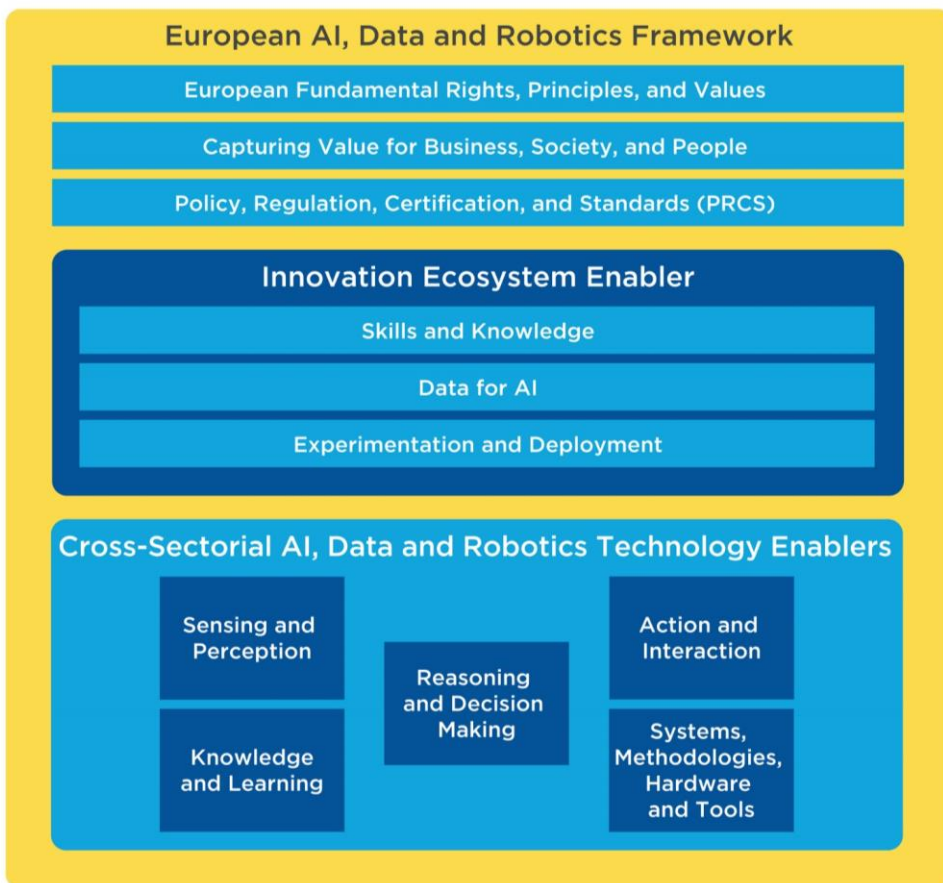
Establish **European leadership** in AI, Data and Robotics technologies with high socio-economic impact



Reinforce a **strong and global competitive position** of Europe in AI, Data and Robotics

Implementing the Partnership: AI framework and key Investment Areas

EUROPEAN AI, DATA AND ROBOTICS FRAMEWORK AND ENABLERS



Thank you!

www.bdva.eu



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