

Webinar

National AI strategies in Europe:
Where are we now and what's
next?

14:00 - 17:30 CET

22 June 2021

How can stakeholders engage with national AI strategies and support the development of a wider AI ecosystem in Europe?

Ana García Robles
Secretary General BDVA

EC and OECD Webinar

22 June 2021

Industry-driven research and innovation **community** with more than 230 members all over Europe.
And growing!!



European Ecosystem

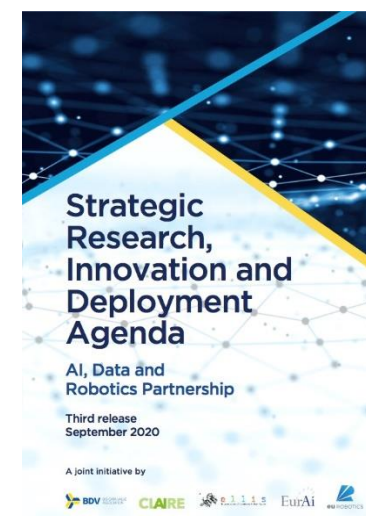


Network of Collaborations

Big Data Value cPPP



AI, Data and Robotics Partnership



EuroHPC JU



Our focus for the future: The Digital Transformation, enabled by Data and AI, and making Europe fit for the digital age.



BDVA/DAIRO will contribute to the achievement of Europe's ambitions for the Digital and Green economy by:

- Implementing the **AI, Data and Robotics Partnership** (as Founding member) and the **EuroHPC Joint Undertaking** (as Private member)
- Supporting the implementation of **Data Strategy** and **the European Data Spaces** through research and innovation activities, knowledge sharing and community building
- Speeding up **Industrial and Trustworthy AI** in Europe
- Setting up a Federation of Data-Driven Digital Innovation Hubs through the [EUHubs4Data project](#)
- Engaging further with end users and verticals across all industrial sectors (i.e. **new Task Forces on relevant application areas** and topics, including **joint Task Forces** with other organisations...).
- Strengthening efforts on **the energy and environmental applications of Big Data and AI**
- **Building bridges between communities** which are pivotal to reach the European Commission's objectives
- And much more!



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ASSOCIATION

Partnerships:

AI, Data and Robotics Partnership

EuroHPC Joint Undertaking

European Partnership on Artificial Intelligence, Data and Robotics

The Vision of the Partnership is to boost European competitiveness, societal wellbeing and environmental aspects to lead the world in researching, developing and deploying value-driven trustworthy AI, Data and Robotics based on fundamental European rights, principles and values.



BDVA, CLAIRE, ELLIS, EurAI and euRobotics have founded ADRA (AI, Data and Robotics Association, asbl) joining forces and integrating a wide range of stakeholders into the activities of the Partnership so the raised ambition can be realised. ADRA is the private side of the Partnership.

A joint initiative by:



CLAIRE



EurAi



EUROPEAN AI, DATA AND ROBOTICS FRAMEWORK AND ENABLERS

European AI, Data and Robotics Framework

European Fundamental Rights, Principles, and Values

Capturing Value for Business, Society, and People

Policy, Regulation, Certification, and Standards (PRCS)

Innovation Ecosystem Enabler

Skills and Knowledge

Data for AI

Experimentation and Deployment

Cross-Sectorial AI, Data and Robotics Technology Enablers

Sensing and
Perception

Knowledge
and Learning

Reasoning
and Decision
Making

Action and
Interaction

Systems,
Methodologies,
Hardware
and Tools

Strategic Research, Innovation and Deployment Agenda

AI, Data and
Robotics Partnership

Third release
September 2020

A joint initiative by



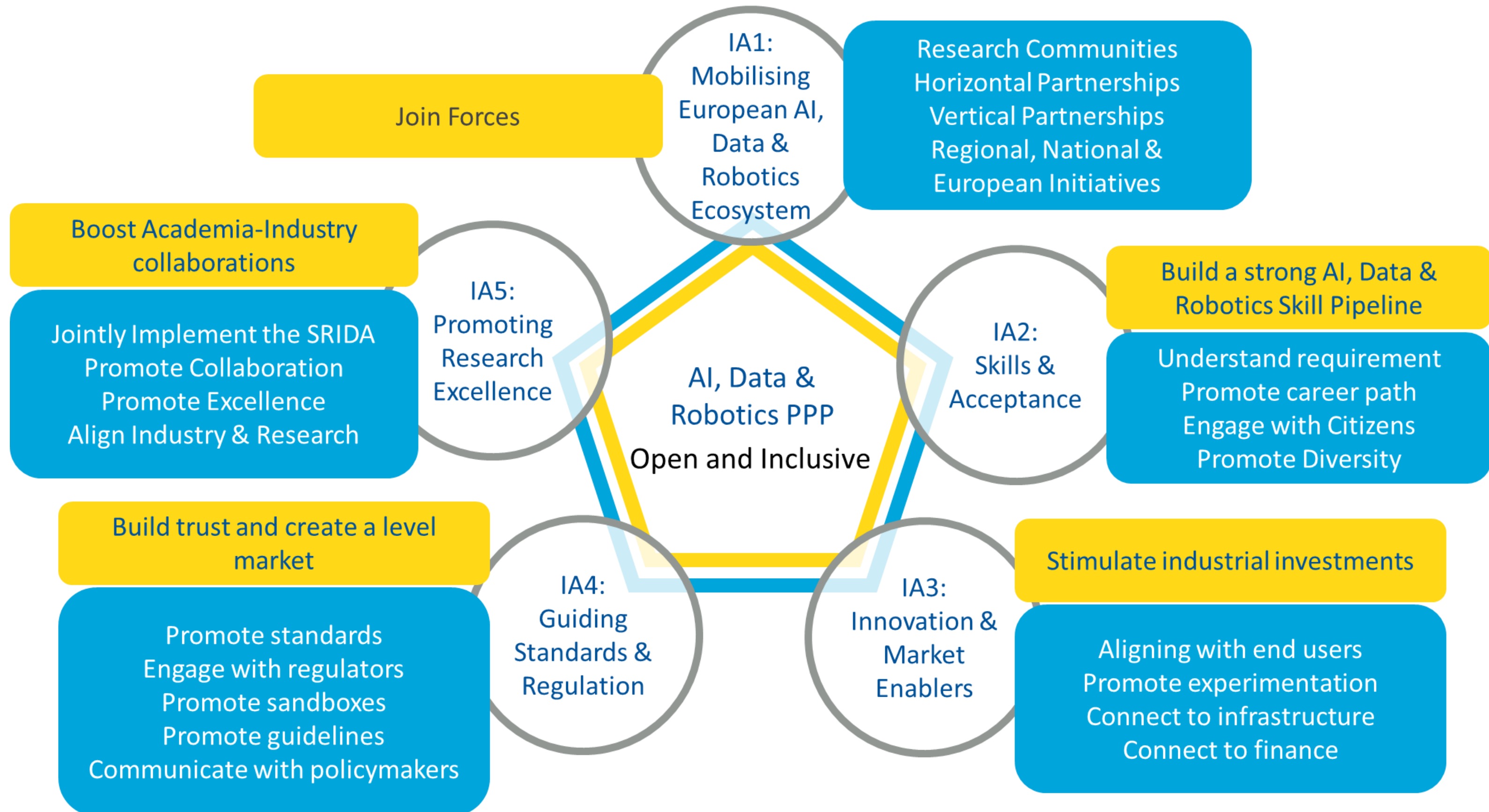
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Implementing the Partnership: key investment Areas





EuroHPC Joint Undertaking





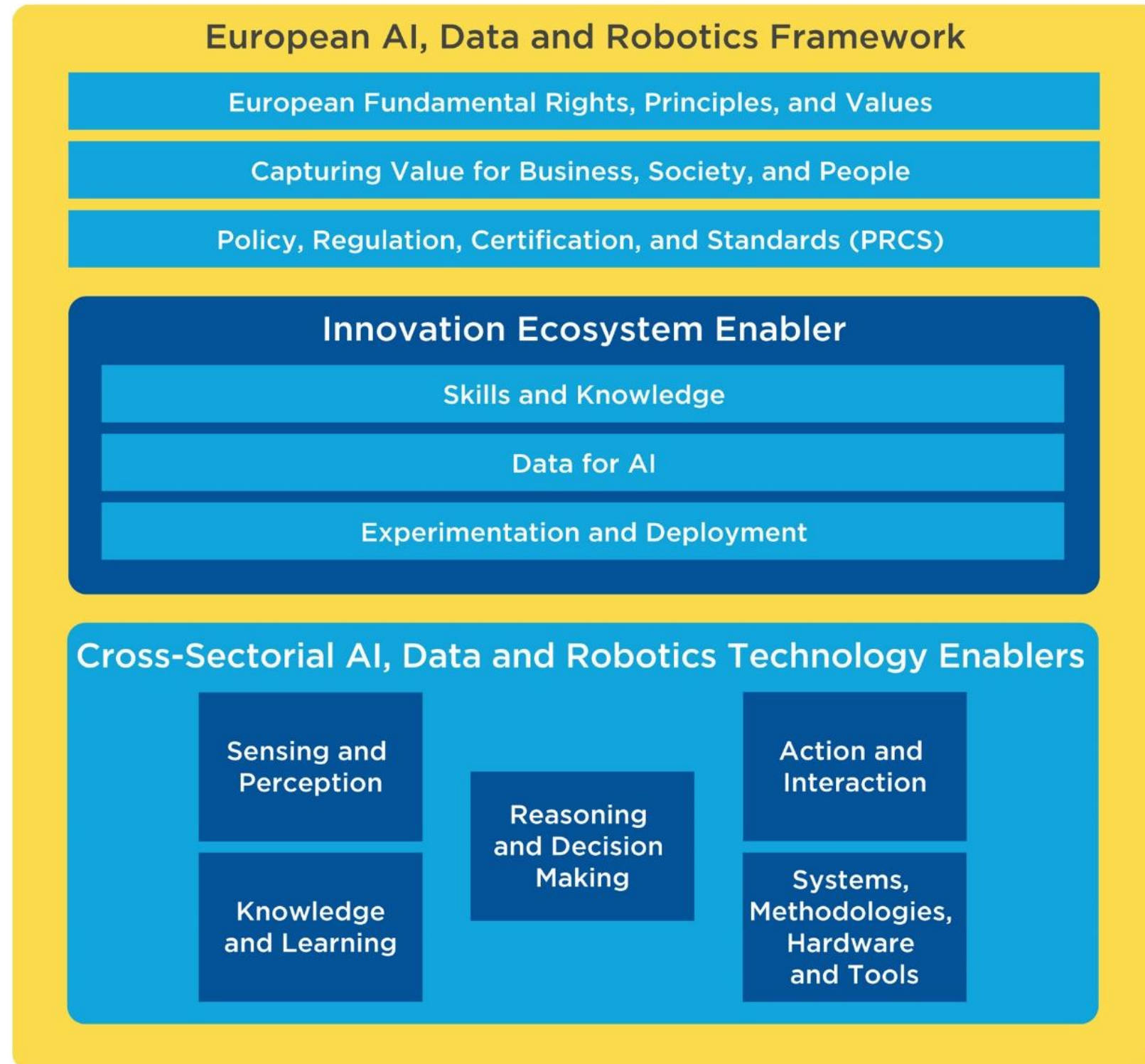
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Speeding up Industrial AI: Combining National and European efforts

Partnership in AI, Data and Robotics

EUROPEAN AI, DATA AND ROBOTICS FRAMEWORK AND ENABLERS



... was developed by relying on around 500 contributions across Europe in the last two years

... to highlight areas of action to boost European Industrial AI

One of the **core characteristics** that AI enabled systems need to display is **trustworthiness**. Building systems that can be trusted is **critical to their acceptance** and therefore to successful deployment.

Although only some critical AI applications need high levels of trustworthiness **all applications need to be trustable**.

Trustworthiness is a property of the whole system created by the interaction between technology building blocks. It must be **designed into the system** as no single technology embodies it.

Trustworthiness is built on multiple underlying system characteristics; reliability, dependability, safety, etc. and on the behaviour displayed by the system during its operation.

From National initiatives to European Frameworks

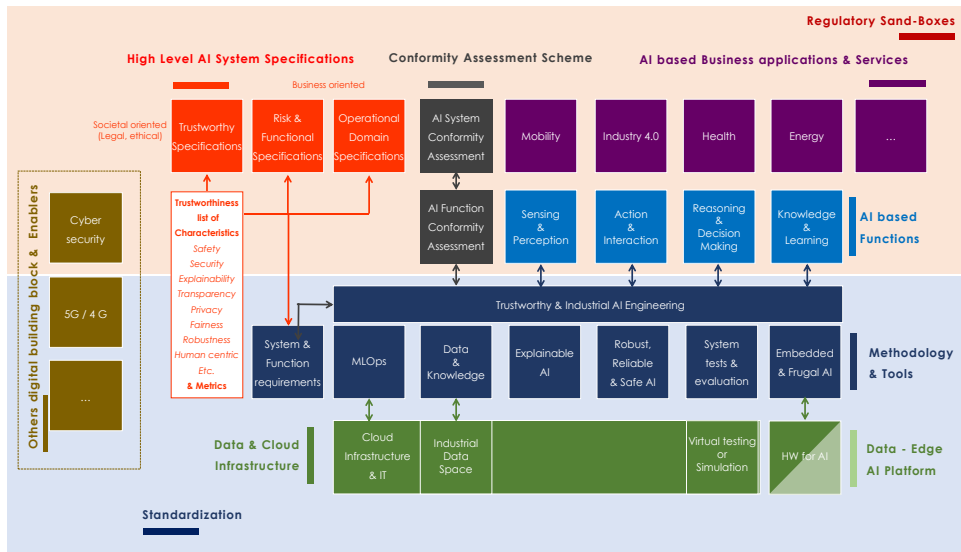
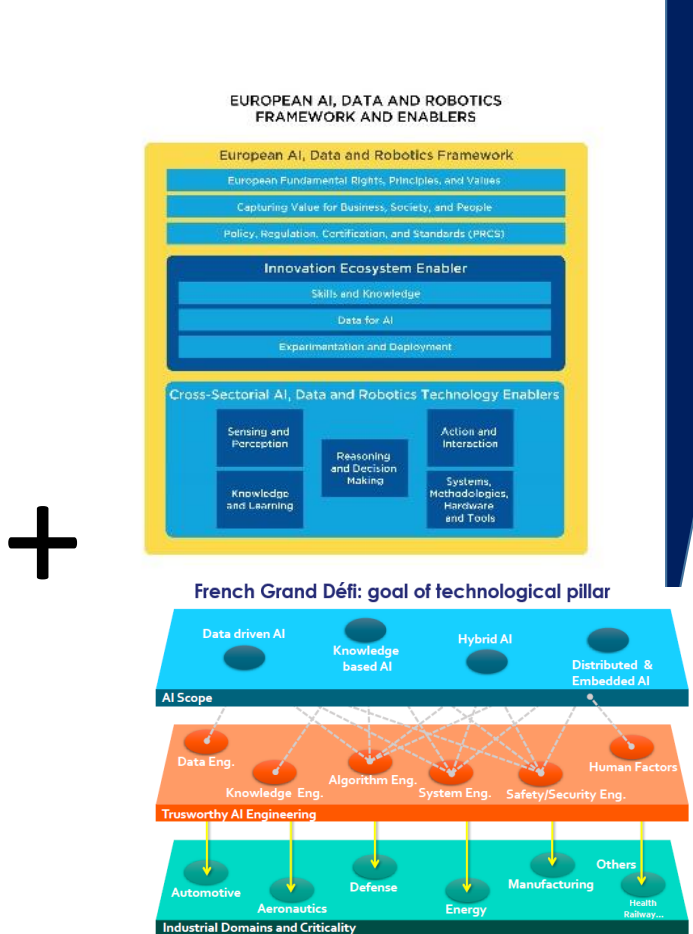
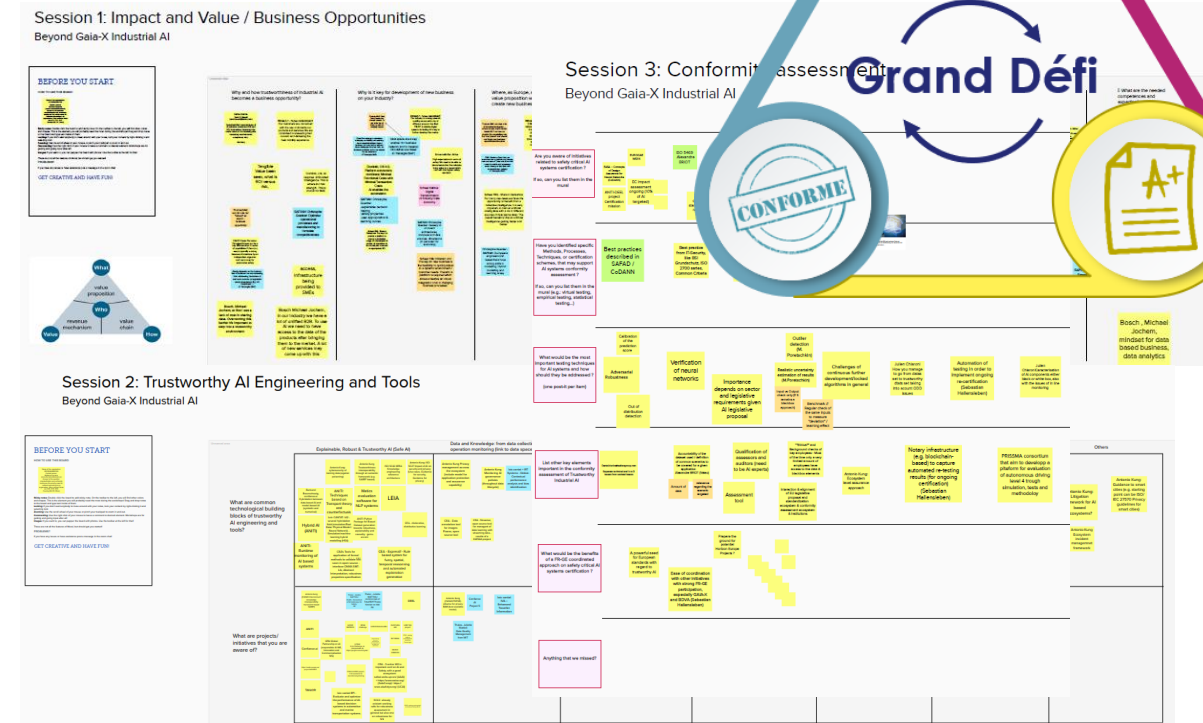
Inputs received and overall process

- The framework builds upon & consolidates the presentations and discussions of Franco-German workshops, including numerous received feedbacks.
- It aligns with national and European related roadmaps to industrial and trustworthy AI.
- It is a first step in speeding up Industrial AI and AI trustworthiness across Europe! Open for Europe!

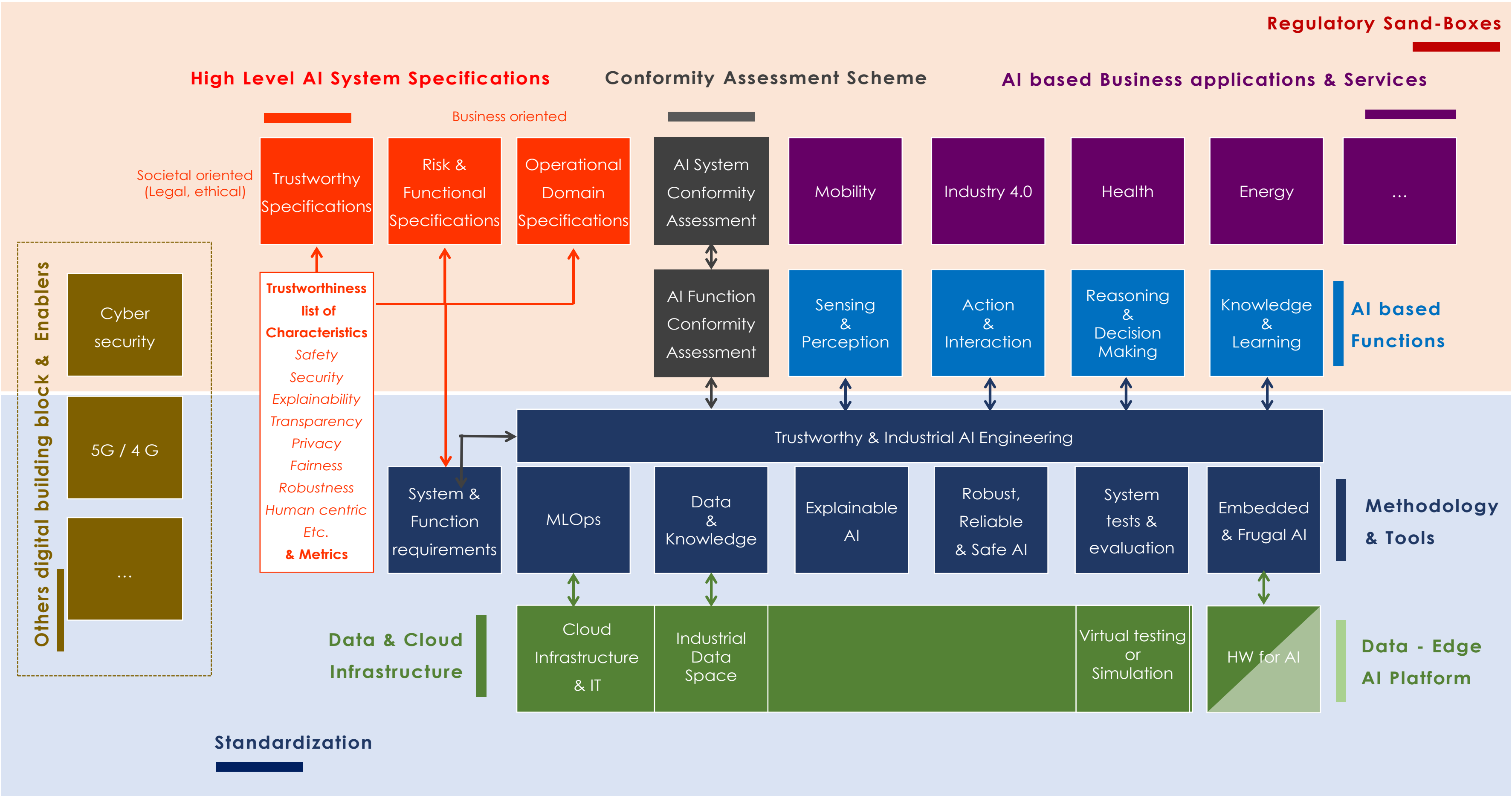
Result

- The framework combines national efforts with European existing frameworks and roadmaps
- It fosters **the development and speeding up the adoption of Industrial and Trustworthy AI** in Europe,
- It aims to strongly contribute to the current efforts and ambitions of BDVA, Gaia-X and other initiatives
- It aims to **extend collaboration with all other significant initiatives in other countries!**

Webinar 17.3.2021



A standardization and technical framework for Trustworthy and Industrial AI





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Alignment of **Data** and **AI** Strategies and policies

The BDVA Data Sharing Value 'Wheel'



- **Core pillars and principles of the envisioned European-governed Data Space that generate value for all sectors of society.**
- **Trust:** Data sharing spaces is all about trust! How to address this?
- **Spinning the wheel to generate value:** If addressed appropriately and in a timely manner Europe can achieve:
 - Wider access to data → more value out of AI → boost data economy and generate lasting societal impact
 - Steering European-governed spaces (European ethics-driven) at an international level



EUH40

EUROPEAN FEDERATION OF
DATA DRIVEN INNOVATION
HUBS



BDVA iSpaces



Thank you!

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