

Interoperability, Privacy and Trust



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#dataweek2021



The interoperability challenge

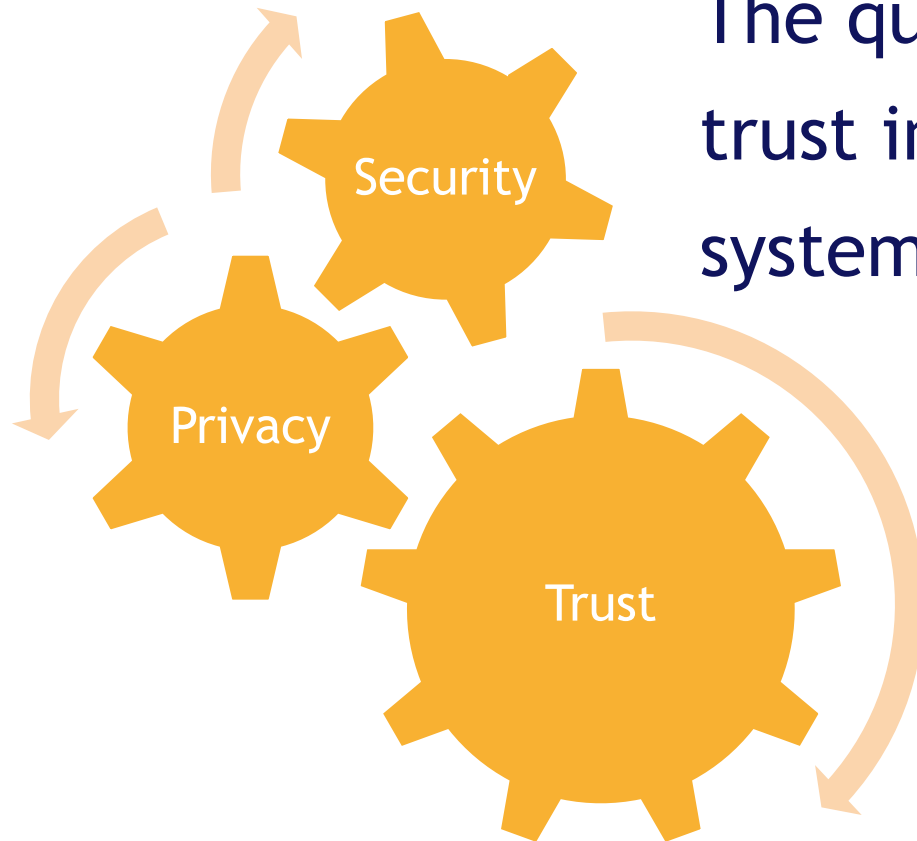


- Why?
 - Need and willingness
- What purpose?
 - Business, monetization...
- Blocking points
 - Privacy, security, regulations, IPR...
 - Infrastructure, technology, semantics, lack of standards

Is all about trust...



The question is: How we build trust in data marketplaces or in systems exchanging data?



data sovereignty principles
FAIR
privacy
standards
monetization schemas
avoid bias
TRUST
security
IPR
smart contracts
APIs
data lineage

Key cornerstones for data value in Europe



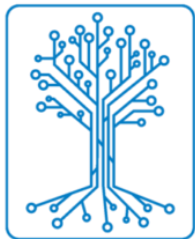
INFRASTRUCTURE
INTEROPERABILITY



DATA
INTEROPERABILITY



DATA SCIENCE
EU VALUES



GAIA-X

**INTERNATIONAL DATA
SPACES ASSOCIATION**



Solid interoperable federated infrastructure and services
Secure, fair and trustworthy cross-organizational data sharing
Trustworthy AI based on EU values and regulations

The data market, a challenge for the industry (and an opportunity)

- European data market in 2025
 - Conservative scenario: strong growth rates resulting in a value of 80 Billion Euro and 516 Billion Euro for the Data Economy, 4% of the GDP
- Need of good quality data
 - Key for digital transformation
 - Trustworthy AI
 - New business models and revenue streams
- Stronger together
 - Competitors vs. allies

<https://digital-strategy.ec.europa.eu/en/library/european-data-market-study-update>



An ecosystem of data platforms and research interests - Focus on interoperability

Atos

Atos Research & Innovation (ARI) data platforms

FUSE – The energy data platform

MASAI – Data platform for Manufacturing

AGORA – Automotive data marketplace

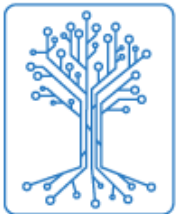
Other Marketplaces:

Urban Data Platform

Bridge.IoT Eclipse,

BDVA Marketplace

Initiatives



GAIA-X

INTERNATIONAL DATA SPACES ASSOCIATION



5G PPP

The 5G Infrastructure Public Private Partnership



EUROPEAN FACTORIES OF THE FUTURE RESEARCH ASSOCIATION



BIG DATA VALUE ASSOCIATION

Our Data Platforms Projects



i3-MARKET



KRAKEN



CROSS-CPP

DataVaults

A painting depicting a man and a woman climbing a large tree. The man is on the left, wearing a light-colored tunic and a dark vest, with his arms raised as if reaching for a branch. The woman is on the right, wearing a dark dress and a headscarf, leaning against the tree trunk. The background shows a hazy, mountainous landscape. The text "Let's climb this tree together" is overlaid in the center of the image.

Let's climb this tree
together

Thank you!

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