Gaia-X potential for GDI

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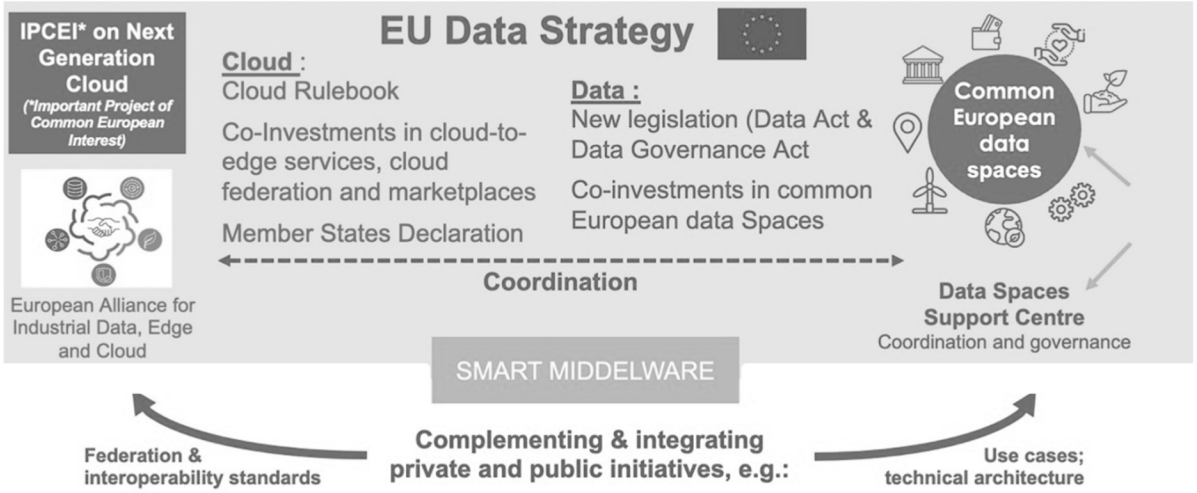
Gaia-X vs. European Data Strategy



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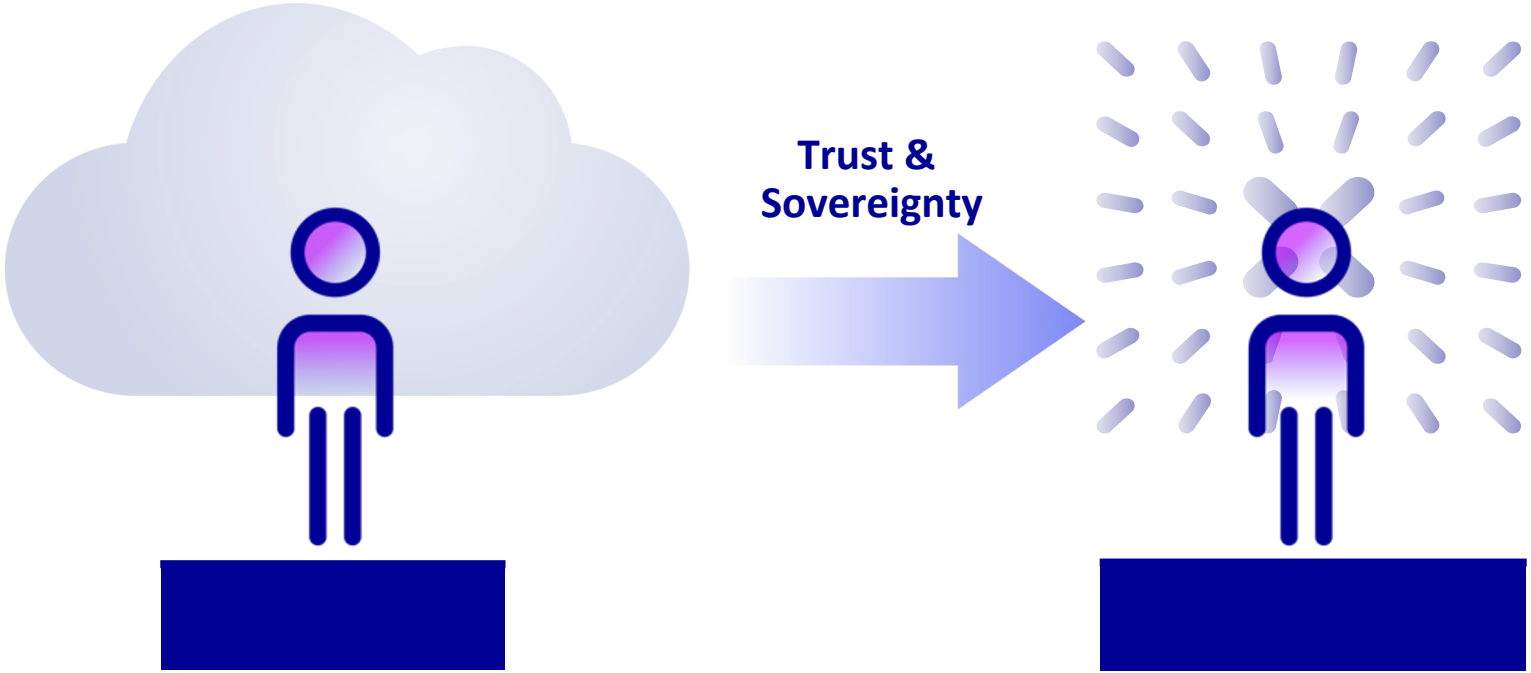
From traditional Cloud to Gaia-X

- Concentrated
- Proprietary
- Opaque

- Distributed
- Open
- Transparent



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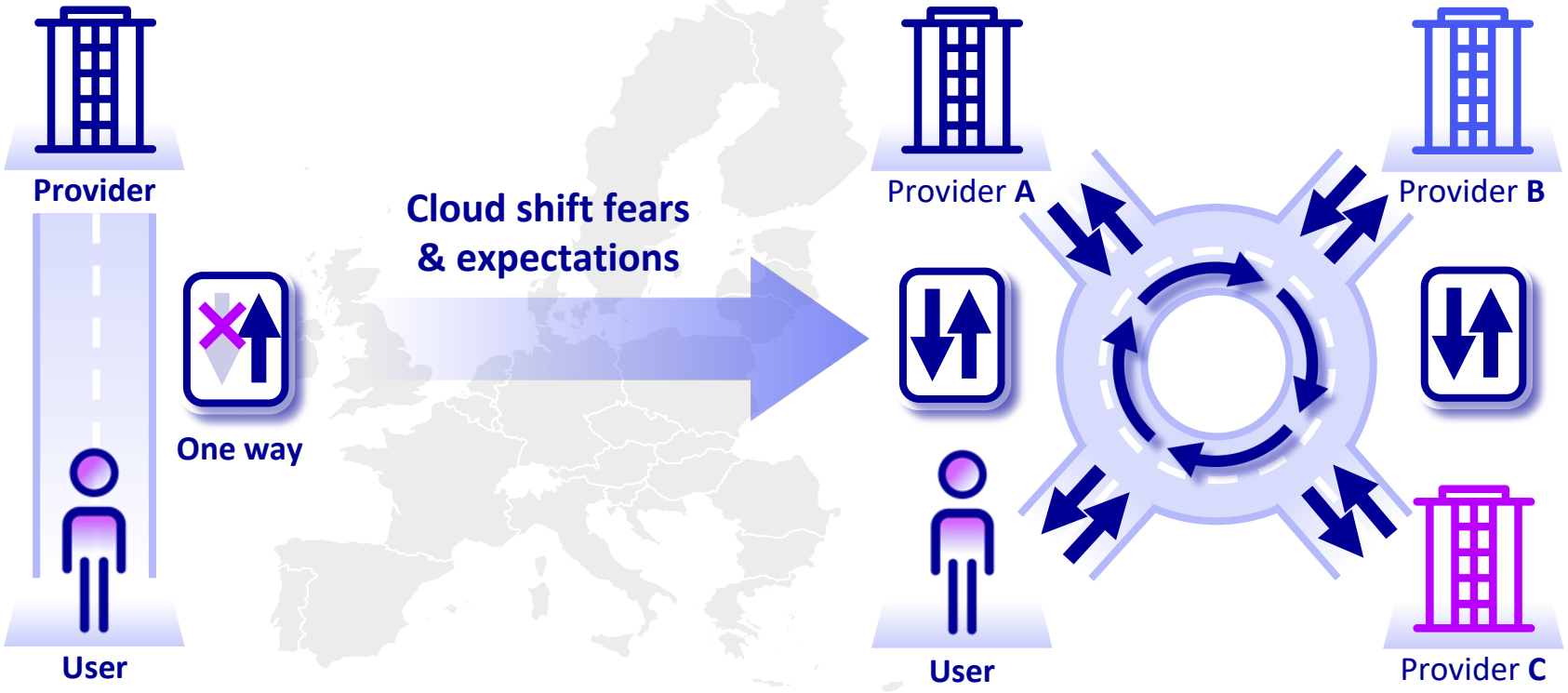
From one-way to federated, free & sovereign



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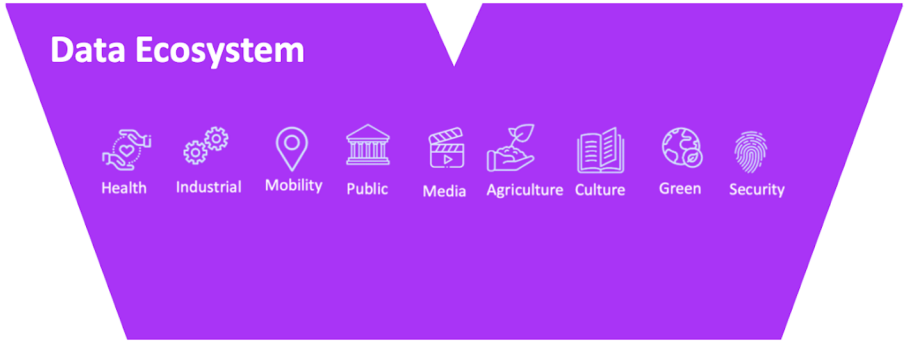
The existing Split X Model

Disjoint Data & Infrastructures Ecosystems

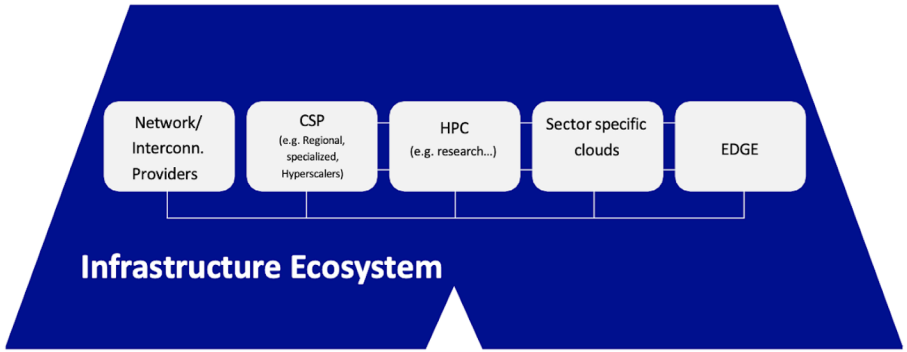


Data

Untapped, fragmented, disjoint, no secure exchange mechanism

infrastructures

Segregated, non-reversible, non-interoperable, closed architectures, private standards



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Our X Model

Connecting Data - Infrastructures Ecosystems

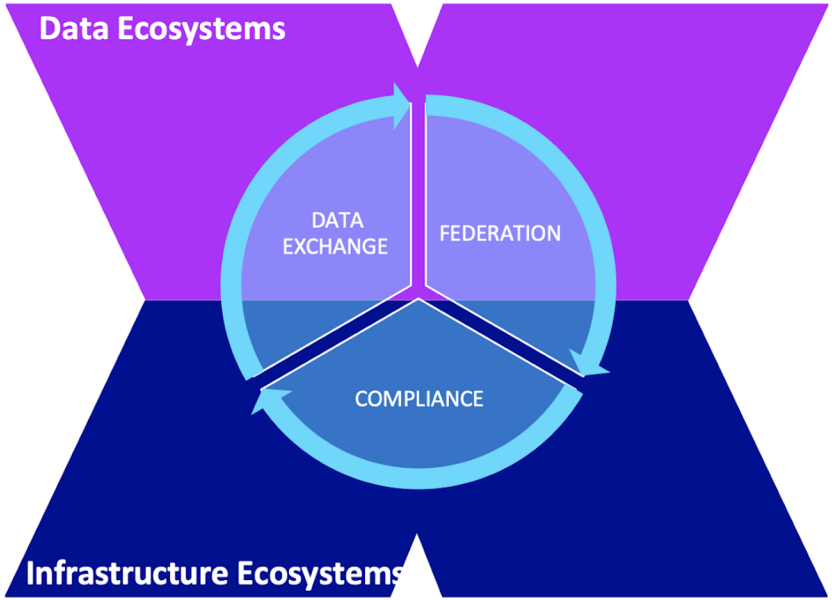
Advanced Services
New (Cross-) Sector Innovations / Applications build from service composition.

Data Spaces / Federations
Interoperable & portable (Cross-) Sector data-sets and services.

Data Exchange
Anchored contract rules for access and data usage.

Gaia-X Compliance
Decentralized services to enable objective and measurable trust.

Label framework
Gaia-X and ecosystem specific Labels to ease market adoption through autonomy and self-determination.



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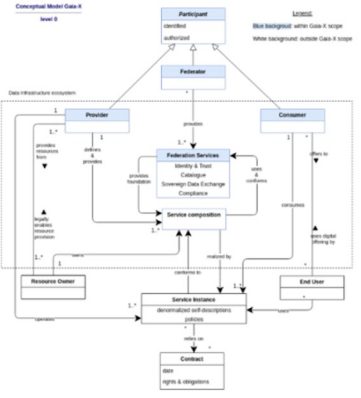
Gaia-X Trust Framework

To ensure Trust the Gaia-X Trust Framework is:

- Automated by Gaia-X specific components part of decentralized technology framework
- Versioned, i.e. bound to a specific version in time of the Compliance rules set
- Applied to the self-description file of all entities implied in the Gaia-X conceptual model (*)
- Aimed to verify the existence and veracity of the attributes and not judging their value

(*) as defined as part of the Gaia-X Conceptual model described in the Gaia-X Architecture document



The content
Verify if the mandatory attributes are filled in and if the values are verified.

Set of claims
attribute: value
attribute: value
attribute: value
.....

The envelop
Verify the keypair issuers and cryptographic signatures

Claims
Machine readable or plain English

Trust Framework example:

- All cars must have a color
- All Datasets must have a location
- All Services must identify their provider with its legal country of jurisdiction.

Label examples:

- cars level 1 are red, cars level 2 are blue, …
- My dataset must be located in EU
- My services must be non-subject/immune to non-EU laws

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Next steps

- Please join Gaia-X Health working group
  - Sub WGs: Identity & Consent, Data Standards, Trusted AI
  - Align on framwork/architecture with other Health data space initiatives
- Discuss potential WP contributions

- Please engage with Data Space Support Centre

DATA SPACES SUPPORT CENTRE

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Audience Q&A Session

ⓘ Start presenting to display the audience questions on this slide.