



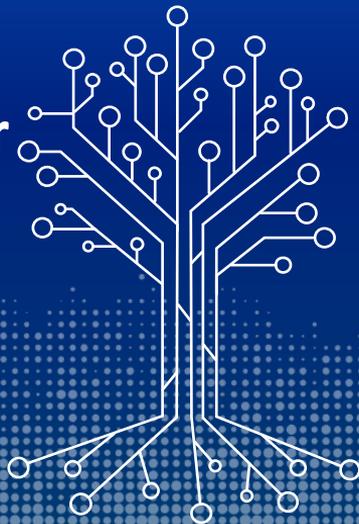
GAIA-X

GAIA-X

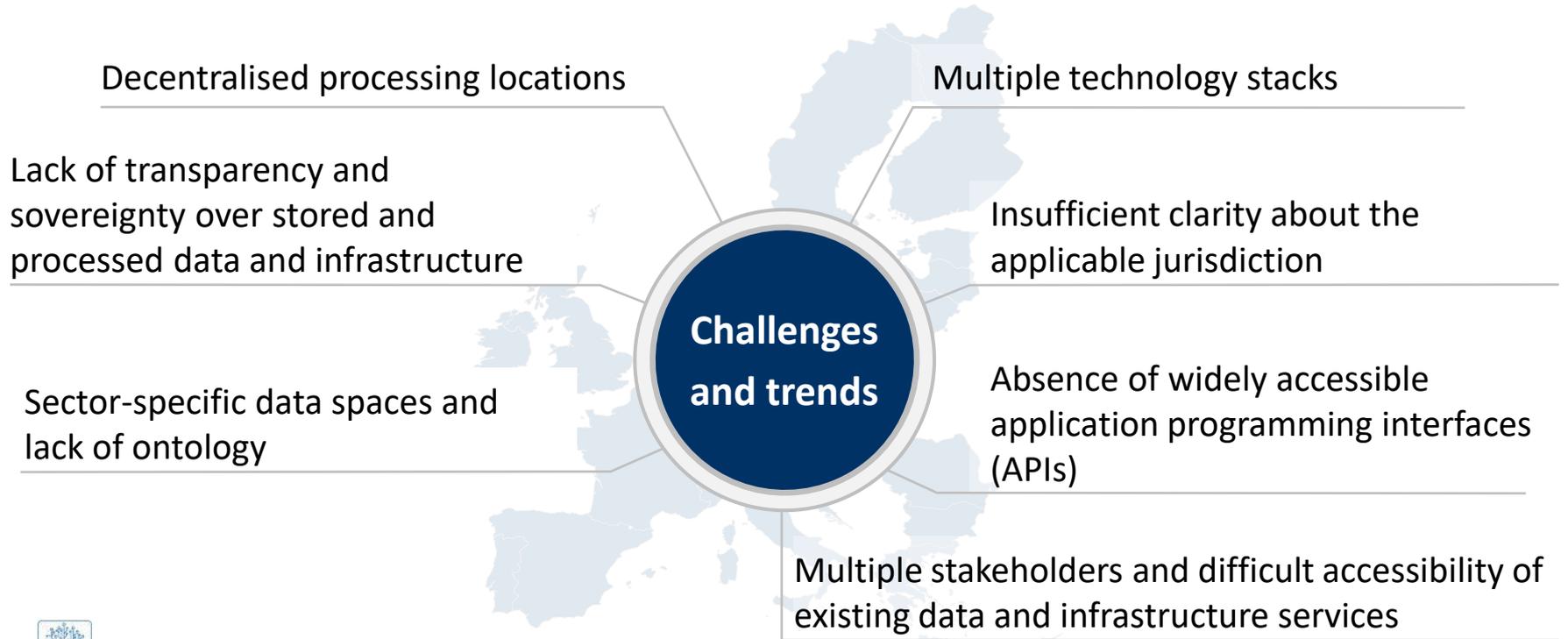
A federated European data infrastructure

**Webinar Dutch Data Center
Association**

14 July 2020



GAIA-X is motivated by challenges to the European digital economy



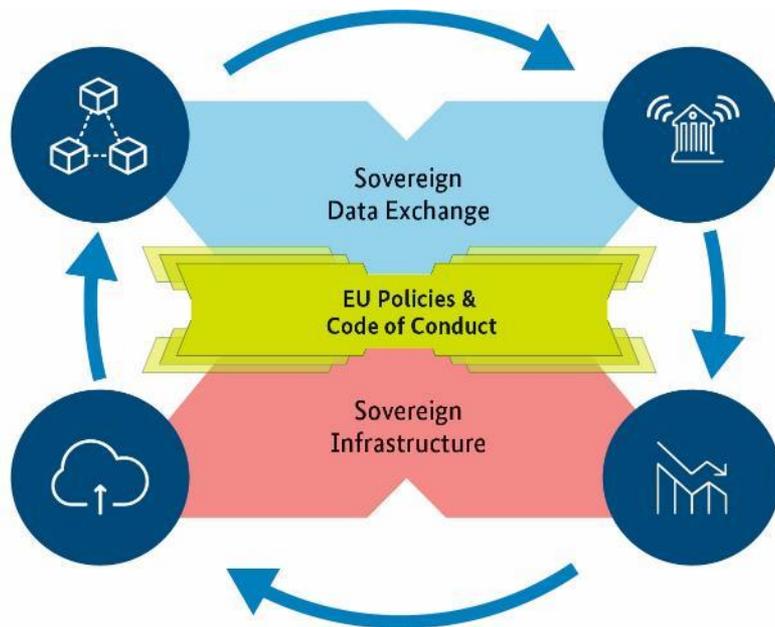
GAIA-X aims at building a trusted, sovereign digital infrastructure for Europe

Creation of digital infrastructures and an ecosystem for innovation

Trusted environment between partners and interoperable links between smart service applications and infrastructure services.

Increasing transparency and attractiveness of digital services

Reduce barriers to compliant service usage; enable the development of new services and products.



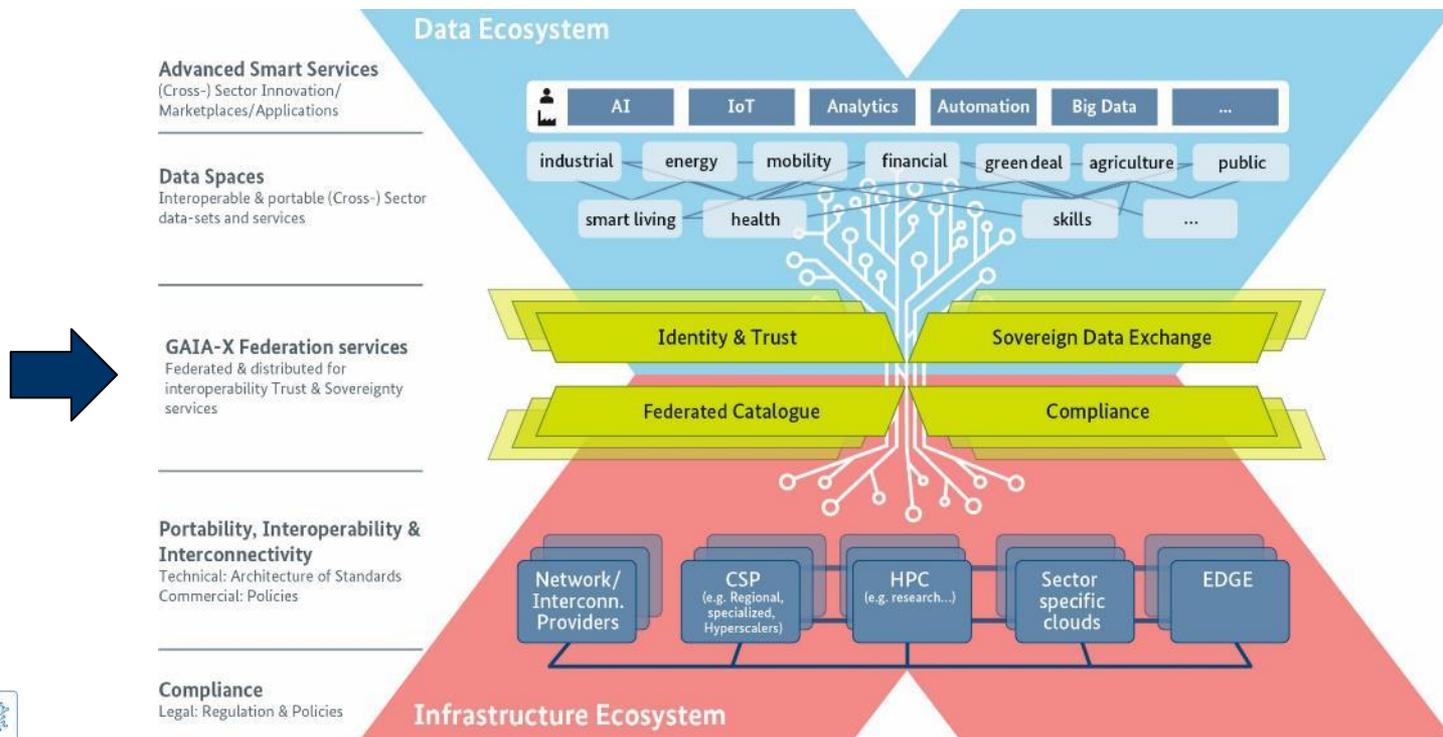
Data sovereignty

Strengthen the digital sovereignty of business, science, government and society.

Reduction of dependencies

Reduce private and business consumers' dependency of single providers; control over location and regulatory environment of stored data; reduce sector-specific dependencies.

Overview: GAIA-X provides a user-friendly and homogenous ecosystem of services and data



A strong alliance of companies and organisations has joined GAIA-X



500+ participants from **ca. 300** companies and organisations



3 out of 4 organisations are private companies, **about half** of which are SMEs*



Organisations from different industries, such as Mobility, Energy, Manufacturing, Finance etc.



*SME <500 employees



Large Companies



SMEs



Start-Ups



Universities



R & D



Associations



Public Sector

GAIA-X aligns various providers in an infrastructure ecosystem

- GAIA-X creates an infrastructure ecosystem by establishing **portability** and **interoperability** between **network and interconnection providers**, **Cloud Solution Providers (CSP)**, **High Performance Computing (HPC)**, **sector-specific clouds** and **edge systems**.
- Mechanisms are developed to **find, combine and connect services** from participating providers in order to enable a **user-friendly infrastructure ecosystem**.
- GAIA-X **supports distributed use cases**, spanning from on-premise set-ups, cloud hosted infrastructure through to facility to edge cases.
- GAIA-X has to address the **complete technical stack**, including infrastructure and existing network/ interconnection requirements (Architecture of Standards) of distributed use cases.

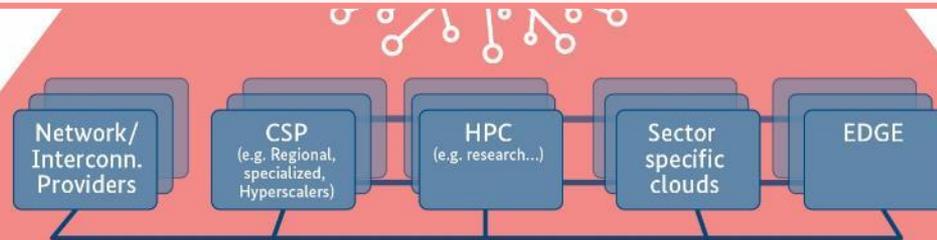
Portability, Interoperability & Interconnectivity

Technical: Architecture of Standards
Commercial: Policies

Compliance

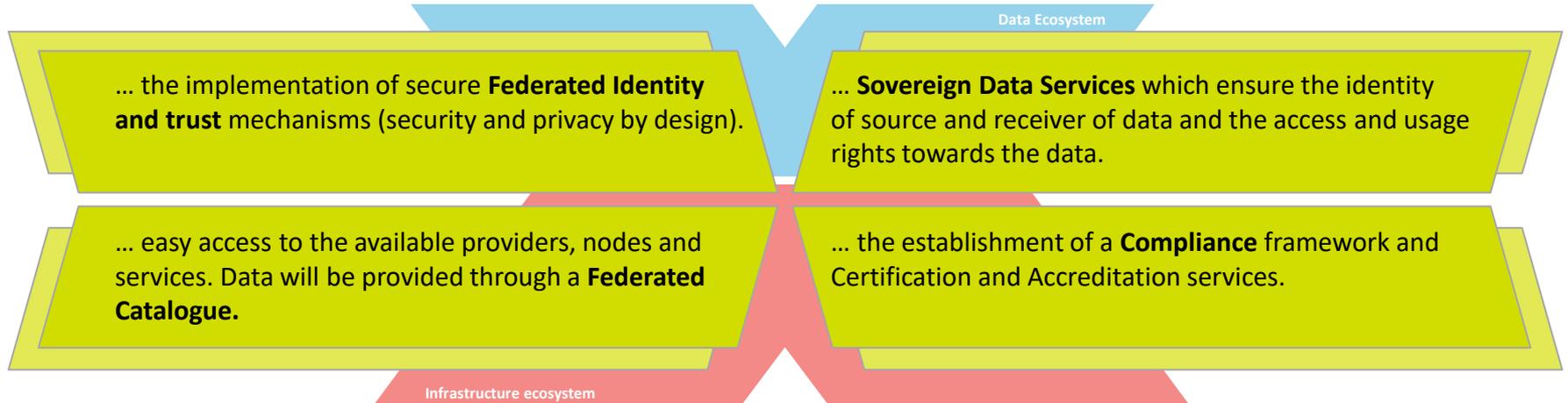
Legal: Regulation & Policies

Infrastructure Ecosystem



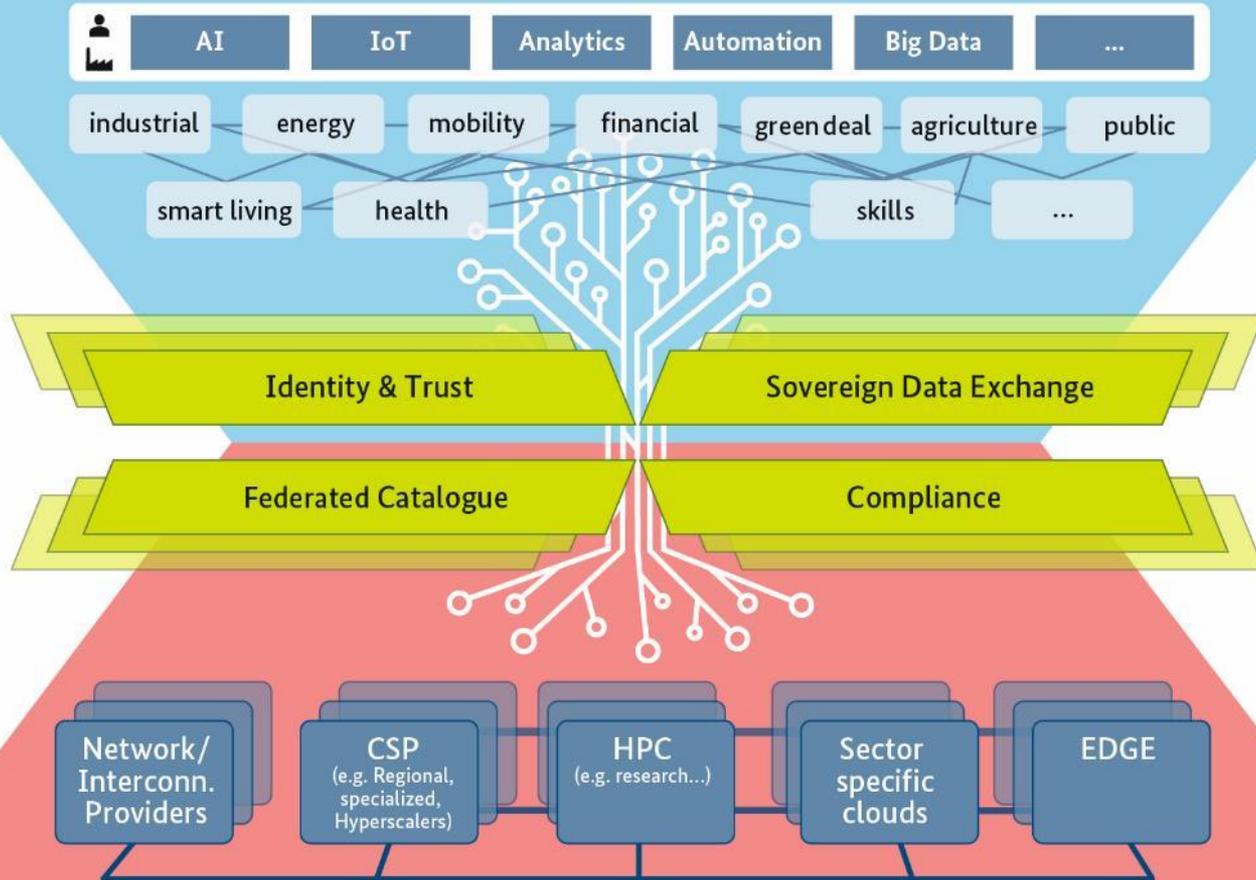
GAIA-X Federated Services are at the core of the technical infrastructure

The technical implementation of these Federation Services focuses on...



GAIA-X identifies the minimum technical requirements and services necessary to operate **the Federated GAIA-X Ecosystem**. The development of these services will follow the principles of **Security-by-Design** and also include the concept of **Privacy-by-Design**.

Data Ecosystem



Infrastructure Ecosystem

Interested Parties are invited to shape the GAIA-X foundation

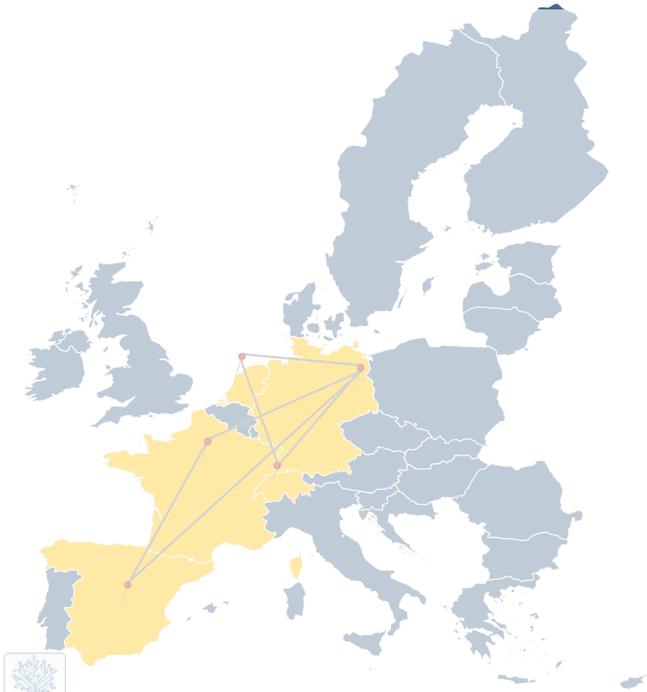


Organisational cornerstones of the Hub

DRAFT

Coordination of the hubs

- Connecting to EU hubs
- Coordination centre for networking the hubs
- Connecting with Digital Europe Program
- Networking of GAIA-X Coordination Center with Data Space Support Center



Hub Guidelines



THE HUB SHALL:

- be a single contact point and bundle national initiatives in a respective domain
- function as a connector to other hubs in European nations and beyond
- represent the interests of the national companies and organizations for instance vis a vis the entity
- regularly present information about developments, exchange with other hubs regarding their activities and developments
- be connected through the expert tribe to consolidate requirements and demonstrators where possible
- be able to work independently and develop according to their specific needs



GAIA-X



For further information visit us online:
www.data-infrastructure.eu

GAIA-X

We invite all interested parties to become a part
of the Federated GAIA-X Ecosystem.



contact@data-infrastructure.eu