

Gaia-X SUMMIT 2025



DIGITAL ECOSYSTEMS IN ACTION

Porto, Portugal | 20 & 21 November



In partnership
with



Welcome Address

09:30 – 09:55



Catherine Jestin, BoD Chairwoman, Gaia-X; Executive Vice President
Digital and Information Management, Airbus

Ulrich Ahle, Chief Executive Officer, Gaia-X

Vasco Lagarto, Operational Director, TICE.PT

Rodrigo Passos, Councilman for Sports, Youth, and Digital Transition,
City of Porto

#GaiaXSummit25

Welcoming words



Catherine Jestin

BoD Chairwoman, Gaia-X; Executive Vice
President Digital and Information
Management, Airbus

#GaiaXSummit25

Welcoming words



Ulrich Ahle

Chief Executive Officer, Gaia-X

#GaiaXSummit25

Welcoming words



Vasco Lagarto

Operational Director, TICE.PT

#GaiaXSummit25

Welcoming words



Rodrigo Passos

Councilman for Sports, Youth, and Digital Transition,
City of Porto

#GaiaXSummit25

Summit Opening

09:55 – 10:15



Bernardo Correia, Secretary of State for Digitalisation, Portugal

Anne Le Hénanff, Minister Delegate for Artificial Intelligence and Digital Affairs, France (Video message)

Thomas Jarzombek, Parliamentary Secretary of State, Federal Minister for Digitalisation and Government Modernisation, Germany (online participation)

#GaiaXSummit25

Summit Opening



Bernardo Correia

Secretary of State for Digitalisation, Portugal

#GaiaXSummit25

Summit Opening



Anne Le Hénanff

Minister Delegate for Artificial Intelligence and
Digital Affairs, France (Video message)

#GaiaXSummit25

Summit Opening



Thomas Jarzombek

Parliamentary Secretary of State, Federal Minister
for Digitalisation and Government Modernisation,
Germany (online participation)

#GaiaXSummit25

Keynote: AI and Academy - How to Make a Successful Vertical AI in Europe

10:15 – 10:25



Prof. Dr. Stefan Wrobel, Professor of Computer Science, University of Bonn & Director, Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS (online participation)

#GaiaXSummit25

Roundtable: Season Two of Data Spaces

10:25 – 11:20



Moderator: Catherine Jestin, BoD Chairwoman, Gaia-X; Executive Vice President Digital, Airbus

Thibaut Kleiner, Director for Future Networks, DG Connect, European Commission

Ernst Stöckl-Pukall, Head of Unit Digitisation and Industrie 4.0, Federal Ministry for Economic Affairs and Energy, Germany

Amandine Reix, Deputy Director for Space, Electronics and Software, Direction Générale des Entreprises (online participation)

#GaiaXSummit25

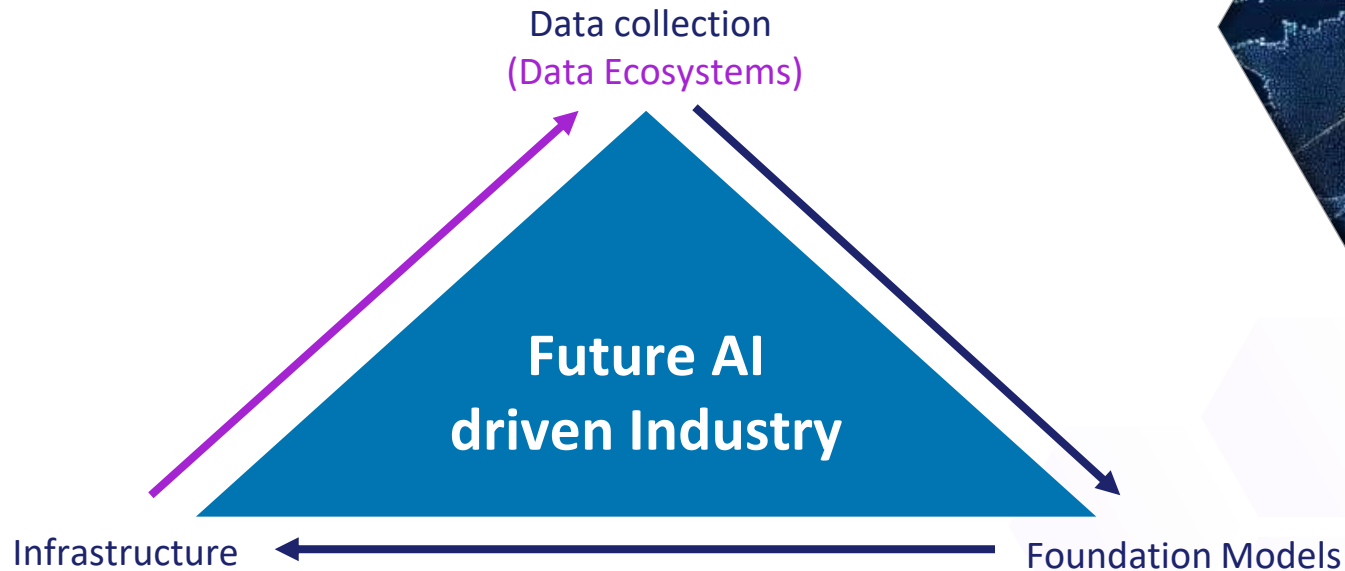
Data Ecosystems and beyond

Mr Ernst Stoeckl-Pukall
German Federal Ministry for Economic Affairs and Energy

Gaia-X Summit, Porto, Nov 20, 2025

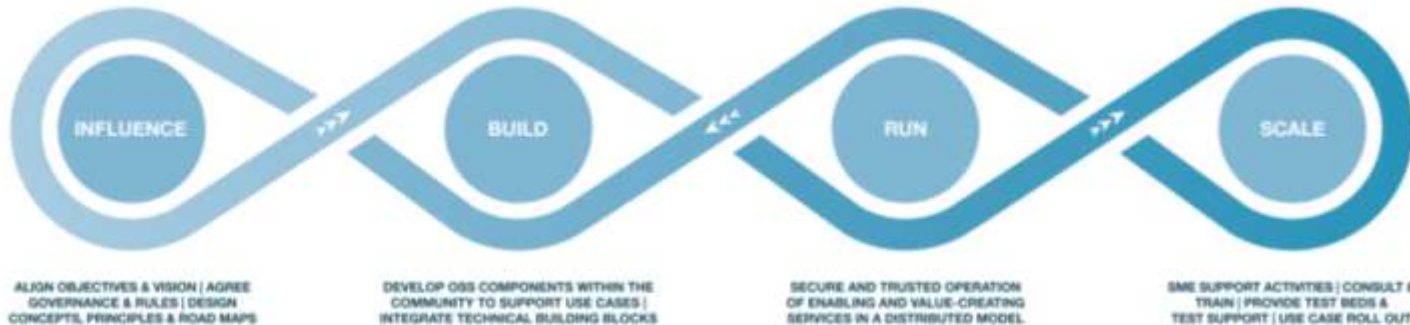
We achieved **a lot!**

- Momentum high, across the globe to develop open and federated digital ecosystems
- **Manufacturing-X, Catena-X, Decade-X** and other successful lighthouse projects in the industry domain – International Manufacturing-X Council founded
- **8ra – cloud edge continuum** (IPCEI-CIS) – NeoNephos Foundation
- **IPCEI-AI** and **IPCEI-CIC** are in preparation



Time for the **next steps** to build open & comprehensive digital ecosystems at **industrial scale**

- **Huge variety** of dataspace activities and a **highly fragmented** landscape of players
- **Management** (governance) of dataspaces remain to be the bottleneck (who decides what in open communities?)
- **Align** public funding - role of government support?
- **C-level and high level political support** to be strengthened (federated ecosystems should be established as a key pillar of its own for digital sovereignty)
- **Operation** of data ecosystems still in an early face
- **Data readiness** of companies
- **Go to market** strategies





Federal Ministry
for Economic Affairs
and Energy

THANK YOU!!!

contact:

Federal Ministry for Economic Affairs and Energy
Division IVA3 „Digitalization, Industrie 4.0“
Chausseestr. 23, 10115 Berlin

Email: Ernst.stoeckl-pukall@bmwe.bund.de

Season 2 of Dataspaces

GAIA-X SUMMIT 2025

Porto, Portugal

The economic viability of dataspaces : a necessity for the competitiveness of our industries

The France 2030 « Dataspace » Call for projects : Key figures

❑ **Budget** : €70 million

❑ **Submission** :

- **2024** : 23 projects in 13 sectors e.g. energy, aerospace, legaltech, media, health.
- **2025** : 9 new projects were submitted on November 19th

❑ **Selection** : 3 projects to be funded in the aerospace, energy and airport services sectors.

❑ **Next steps** : Further submissions in June and December 2026.

❑ **More information** :

<https://www.bpifrance.fr/nos-appels-a-projets-concours/appel-a-projets-espace-de-donnees>

Direction générale des Entreprises

Au service de la compétitivité
des entreprises

#DGEntreprises

DGE

Accélérer l'économie
de demain !

→ www.entreprises.gouv.fr

X f i y @DGEntreprises

Roundtable: Season Two of Data Spaces

10:25 – 11:20



Moderator: Catherine Jestin, BoD Chairwoman, Gaia-X; Executive Vice President Digital, Airbus

Thibaut Kleiner, Director for Future Networks, DG Connect, European Commission

Ernst Stöckl-Pukall, Head of Unit Digitisation and Industrie 4.0, Federal Ministry for Economic Affairs and Energy, Germany

Amandine Reix, Deputy Director for Space, Electronics and Software, Direction Générale des Entreprises (online participation)

#GaiaXSummit25



Complete AR & real-world challenges to become the ultimate **Data Wizard!**

Visit the **Gaia-X Discovery Quest Booth** in the Expo area to find out more!



Connect with fellow participants in a fun, new environment.



Explore key Gaia-X concepts like trust, compliance, data economy, and interoperability.



Use Augmented Reality to make these concepts come to life.



Turn the summit into an **interactive, educational** adventure.



SCAN TO DOWNLOAD

Scan the QR code to download the **Gaia-X AR app** and compete in the Gaia-X Discovery Quest!

Gaia-X SUMMIT 2025

AGENDA - BREAK



**DIGITAL ECOSYSTEMS
IN ACTION**

Day 1 - 20 November

**11:20 – 11:50
Networking Coffee & Expo Area**



gaia-x

EXPO AREA | Gaia-X BOOTH

11:10 – 11:40 | Membership

EXPO AREA | Gaia-X LIGHTHOUSE PROJECTS BOOTH

11:20 – 11:35 | Empower-X

11:35 – 11:50 | RegenAg-X

EXPO AREA | Gaia-X DIGITAL CLEARING HOUSES BOOTH

11:20 – 11:50 | CISPE

EXPO AREA | Gaia-X HUBS BOOTH

11:20 – 11:50 | France

TECH THEATRE | RIBEIRA 2 ROOM

12:00 – 12:30 | Loire – How to use Label Level 2/Level 3

12:30 – 13:00 | Loire Notaries: Theory & Practice

Gaia-X Milestones 2025 & Road Ahead 2026

11:50 – 12:05



Ulrich Ahle, CEO, Gaia-X

#GaiaXSummit25

Gaia-X: A global member driven association



- **Founded 2021** in Europe by 11 French and 11 German organisations
- **Today 275 members** from around the world

33 new members
since Gaia-X Summit 2024

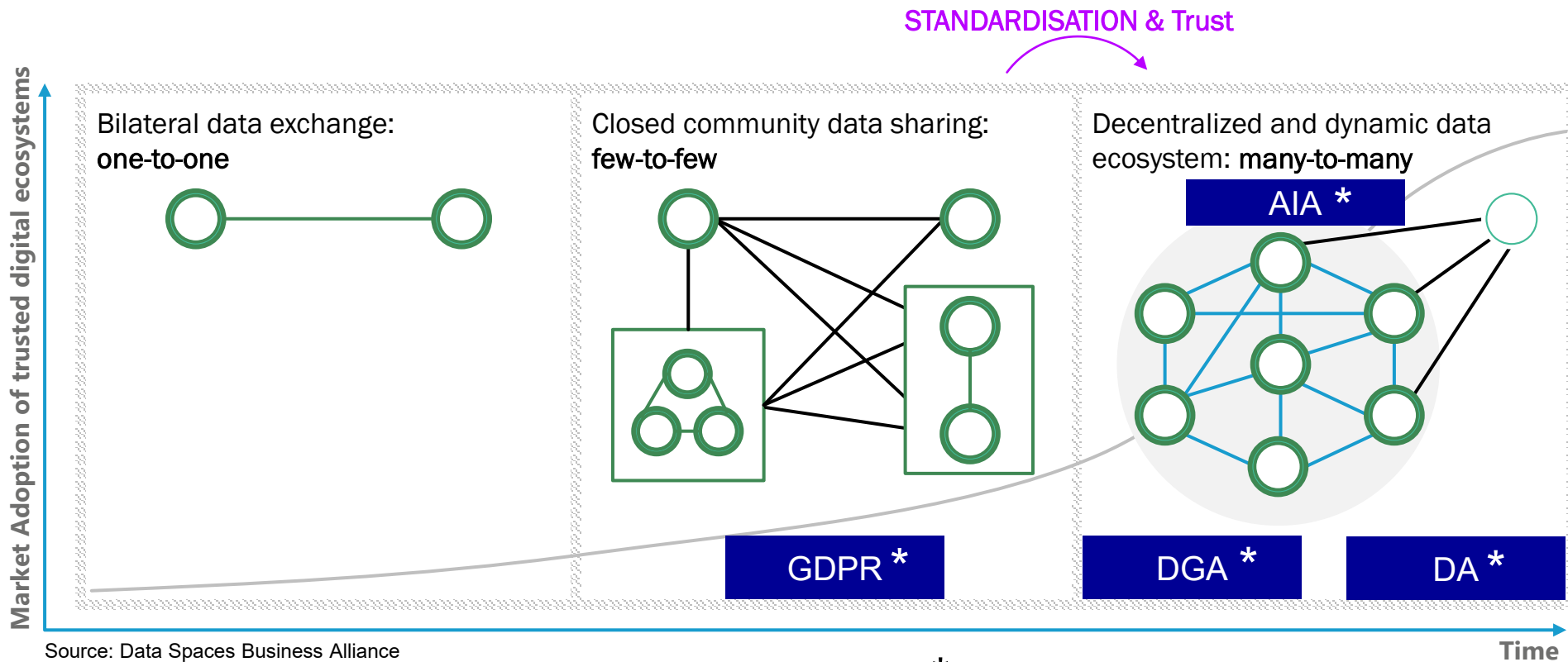


VISION: Enable trusted decentralized digital ecosystems

MISSION: Creating the *de facto* standard to enable a **federated and trusted data infrastructure**, by developing a set of specifications, rules, policies, and a verification framework

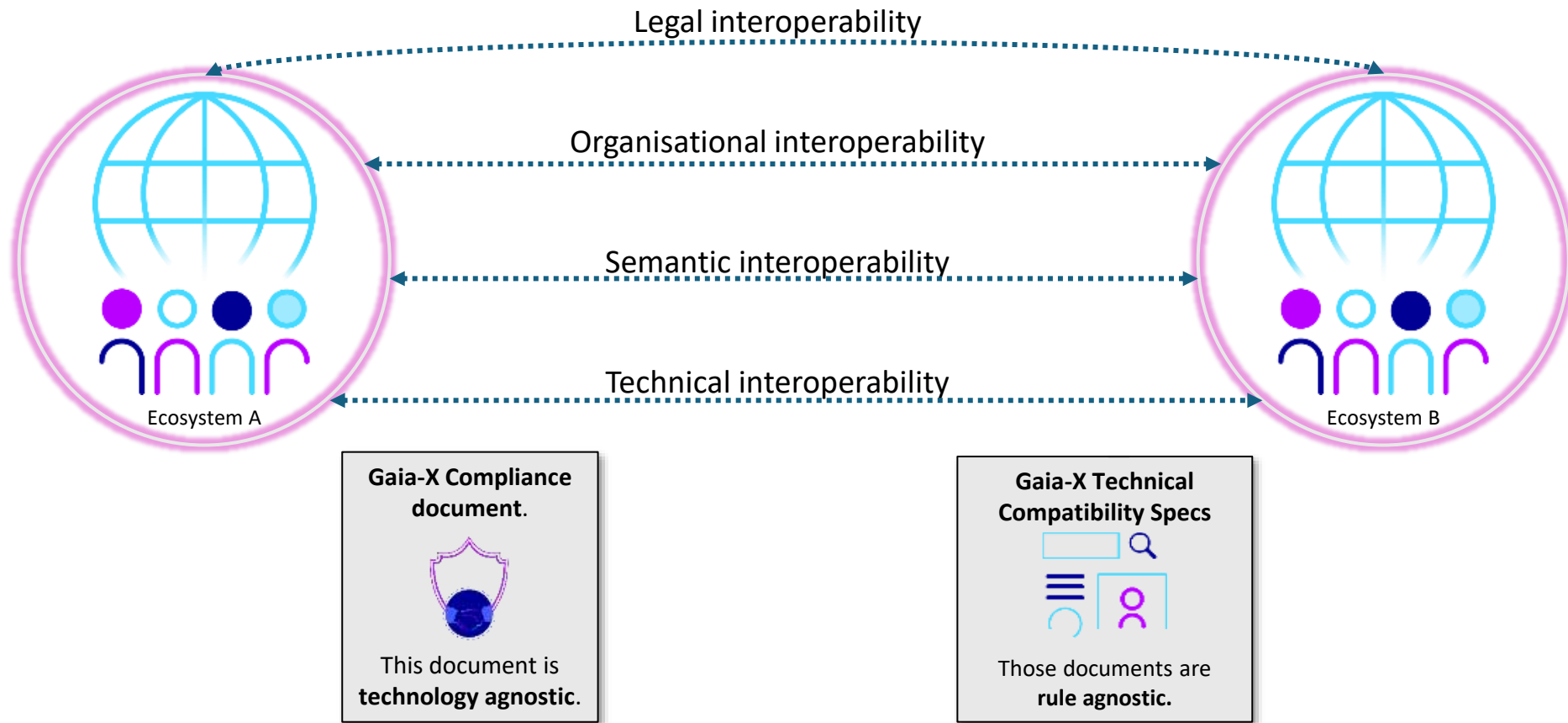
#GaiaXSummit25

The demand for Data Spaces

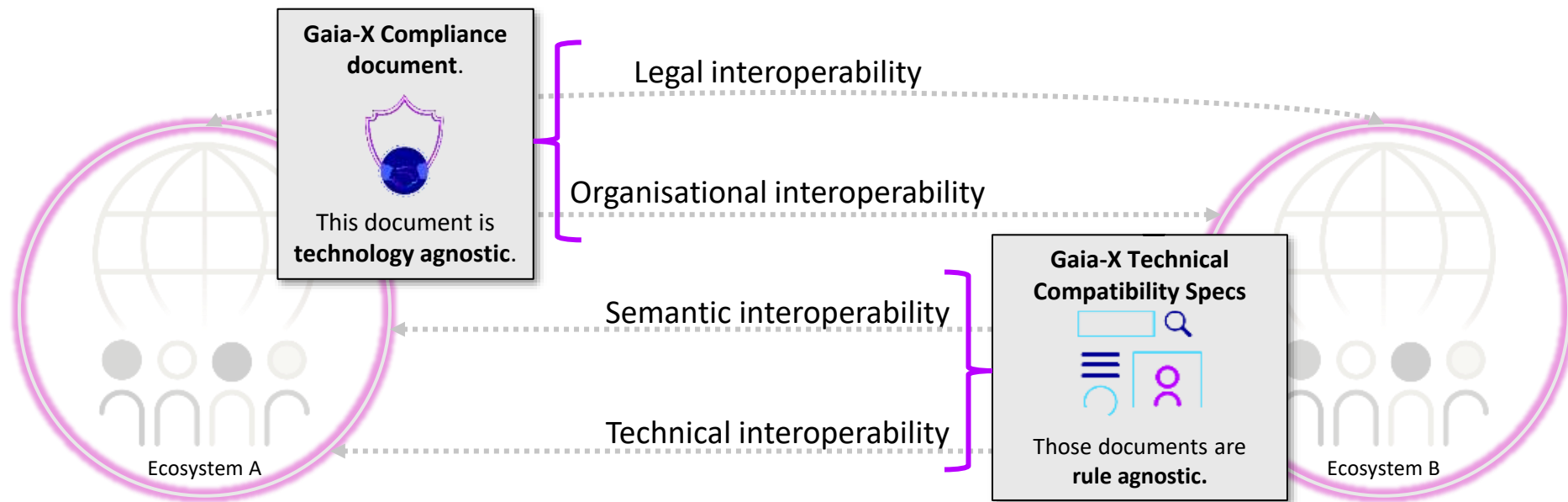


* To be replaced for regions outside of Europe

Data interoperability is enabled by four different layers



Data interoperability is enabled by four different layers



Gaia-X Digital Clearing House to implement Automated Compliance



⇒ **Fully Open-Source Software**

⇒ **Worldwide adoption ready**

- Decentralised data layer for the Gaia-X Registry scalability and information consistency. (ex: EU <-> JP)
- Support for European and non-European national Trust Service Providers.



**FOCUS ON END USER
SERVICES**

The Gaia-X Compliance Document is based on end user requirements

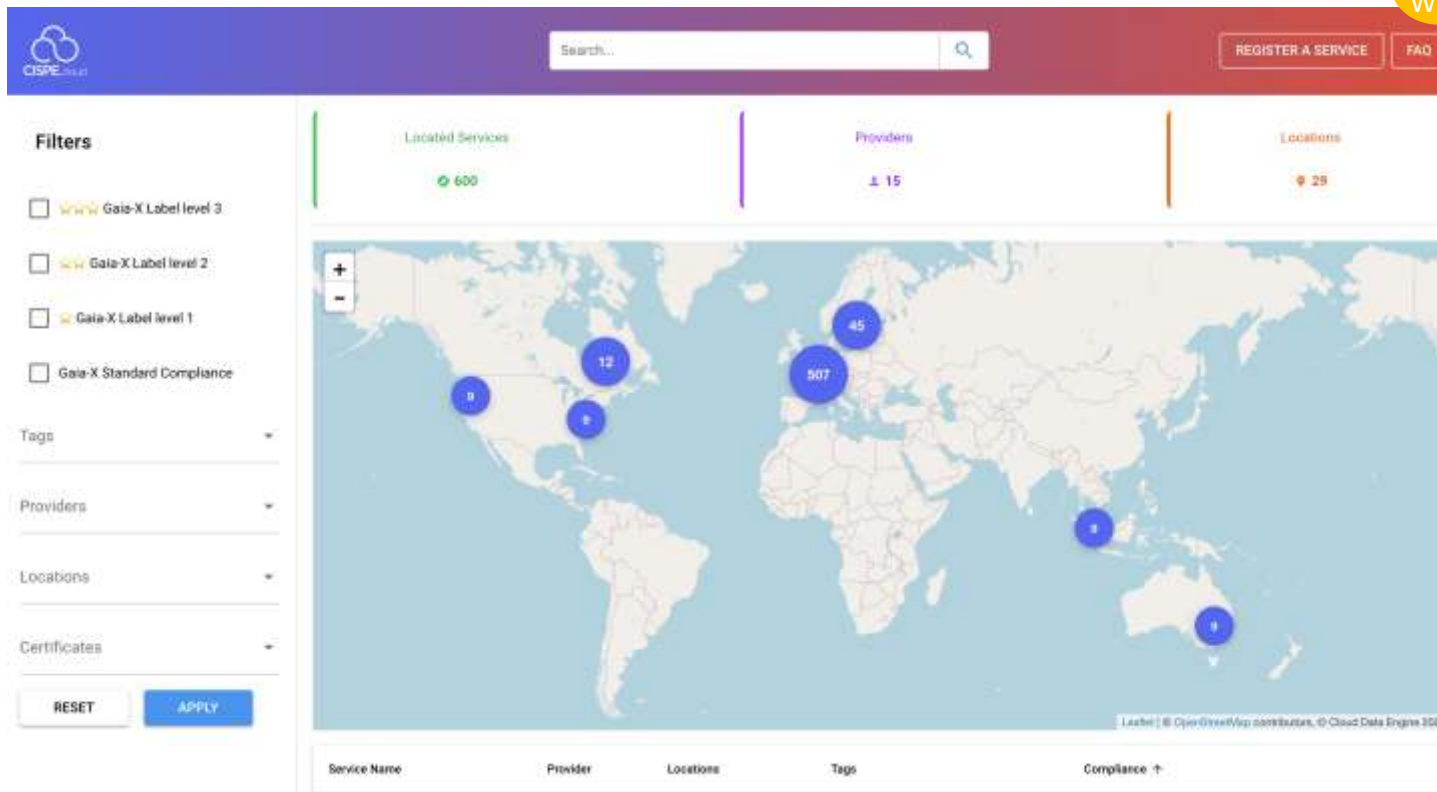


- ⇒ **62 Criteria** are paving the way for an **Automated Compliance in Europe**
- ⇒ **Compliance documents for regions outside of Europe with other legislations to be developed by the regions with support from Gaia-X**

	STANDARD COMPLIANCE	LEVEL 1	LEVEL 2	LEVEL 3
Declaration of Service or Product	✓	✓	✓	✓
Signed with verified method (e.g. eIDAS)	✓	✓	✓	✓
Automated validation by GXDCH	✓	✓	✓	✓
Automated verification by GXDCH*	✓	✓	+	+
Data Exchange Policies	✓	✓	✓	✓
Certified Label Logo		✓	✓	✓
Data protection by EU legislation		✓	✓	✓
Manual verification by CAB			✓	✓
Provider Headquarter within EU				✓

*not all criteria can be automated, "+" means automated verification of the evidence issuer (Standard & CAB)

CISPE Catalogue



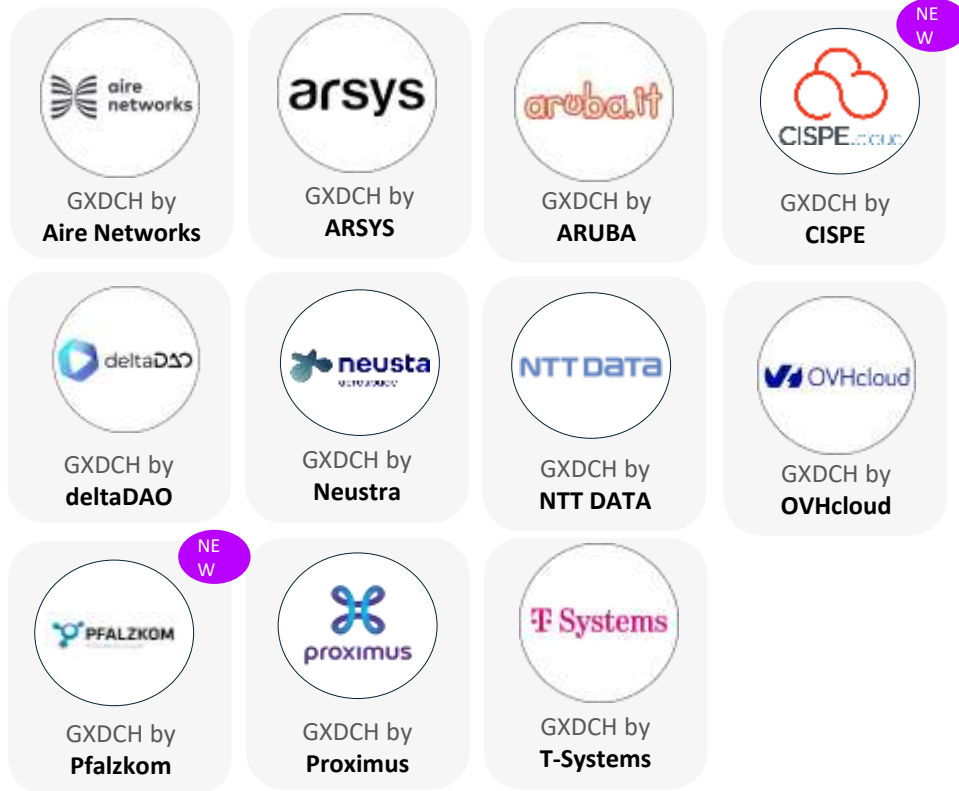
NEW

- 600 Services
- 15 Providers
- 5 Providers offering Gaia-X Label Level 3
 - Cloud Temple
 - Seeweb
 - THESEE
 - OVHCLOUD
 - OPIQAD

Gaia-X Digital Clearing House Providers



In production



Signed in deployment Pipeline



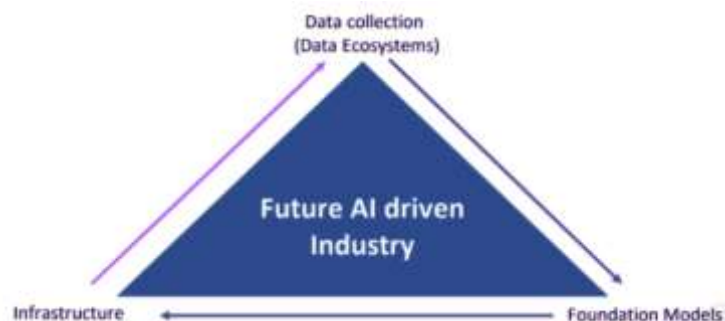
2 new GXDCH
in production

Gaia-X Synergies with European key data & cloud initiatives and projects



Europe as an AI Continent

- The **Data Union Strategy** highlights the need for trusted data, computing power, and European AI models
- Gaia-X supports this vision with sovereign and trusted data & infrastructure for AI



New Gaia-X Whitepaper

- **Gaia-X Trust Framework** as foundational **unifying scheme**
- It creates **synergies** with European cloud and data initiatives
- It is **both concrete yet extensible** across industries, use-cases and geographies



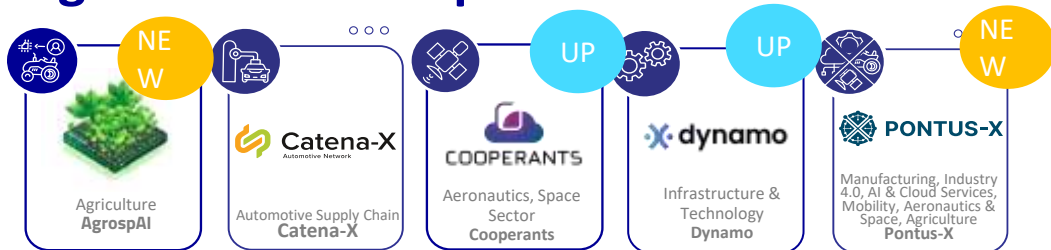
(*) **Yvo Volman** - 3rd Conference on "Sustainable Development of Data-Sharing Ecosystems" – Paris Dauphine Univ.

Gaia-X & Standardisation activities



- Gaia-X AISBL is official **Liaison Organisation to CEN/CENELEC** JTC 25 «Data Spaces»: Contributing heavily with our trust framework
- **EDWG CAP** Specification Project: **Reference implementation** of the *Conformity Assessment Policy and Credential Profile* ontology in latest Loire Compliance Engine
- Global Glossary Grid released: Synopsis of Gaia-X, DSSC, CEN/CENELEC “Trusted Data Transaction”, ISO/IEC DIS 20151, and Simpl glossaries (356 terms) → unification work ongoing

Lighthouse Data Spaces

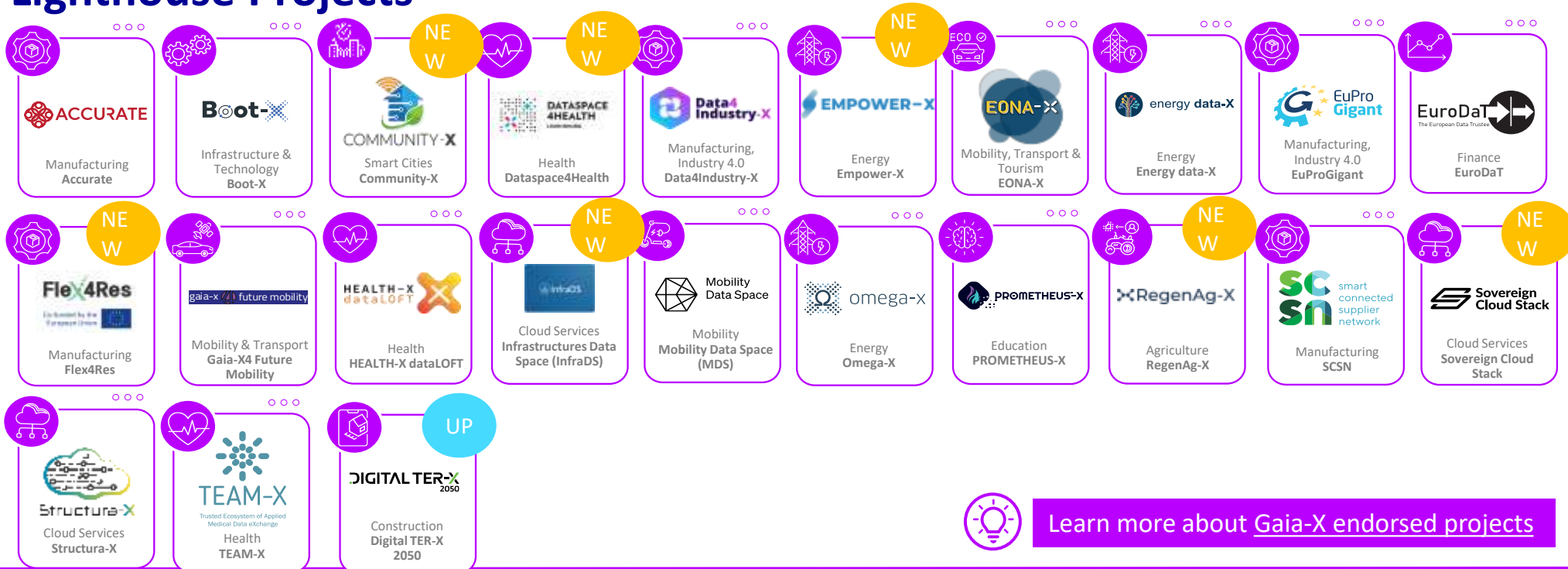


9 **new** Endorsed Projects

3 **upgraded** Projects



Lighthouse Projects



Learn more about [Gaia-X endorsed projects](#)

#GaiaXSummit25

The Gaia-X Hubs

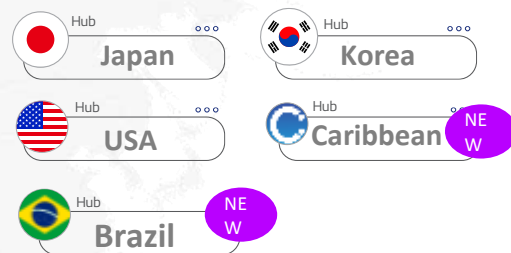
Connecting local ecosystems to a global community



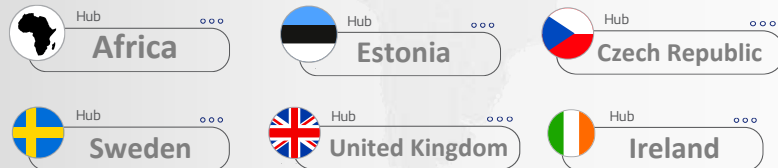
EUROPE 19



INTERNATIONAL 5



IN PROGRESS 6



3 new
Global Hubs

Welcome to



Coordinated by

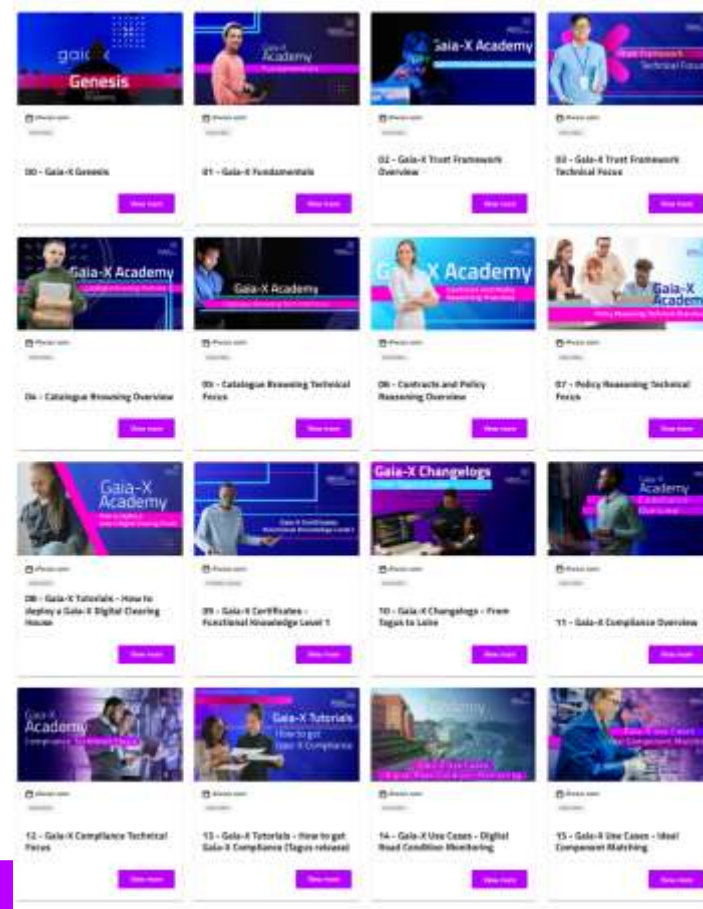


The Gaia-X Academy

Provides training materials and is the basis for certifications



- Launched in April 2024
 - Based on OSS OpenEdx
 - More than 1050 learners
 - 21 courses organised in 4 streams: Functional, technical and business trainings, tutorials, changelogs, use cases and certificates
 - Full access for Gaia-X members
 - Limited access to the Discovery Stream for non-members
 - Temporary access accessible for non-members based on:
 - Free access given by a member
 - Bought from a Token Reseller
 - Content available in 4 languages (English, German, French and Italian)
 - Almost 3000 courses taken by the learners (1900 since January 2025)
- Forthcoming:
 - 5 new streams and 10 new courses
 - Live Sessions and Workshops



Meet Our Evangelists



**Enrique Areizaga
Sánchez**
Tecnalia



Kai Meinke
deltaDAO AG



Thomas Komenda
deltaDAO AG



Tom Last
Elbtech



Christian Linder
*German Aerospace
Center (DLR)*



Stefan Dumss
Posedio



**Catherine
Simonnin**
Orange



Mario Drobics
*AIT Austrian Institute
of Technology*



Antonio J. Jara
Libelium

#GaiaXSummit25

Find out more on our website: www.gaia-x.eu/community/evangelist-programme

Gaia-X 2026 Strategic Priorities: Driving Adoption



Users

Key topics:

1. Compliance by design (support projects)
2. Mapping data Space responsibilities versus Gaia-X responsibilities
3. Participant ID

Providers

Key topic:

1. Deploy services to catalogues
2. Define core ontologies: meta-registry and ecosystem participant credential models
3. Enable interoperability across catalogues
4. Establish a Technical Compatibility Kit

Orchestrators

Key topics:

1. Support and enable orchestrator as Gaia-X multiplier
2. Support the adoption of Gaia-X through orchestrators and improve open-source tooling

Gaia-X Governmental Advisory Board Recommendations



Presented at the GovB meeting in Paris on 14 November 2025

Representatives from ministries of European countries and the European Commission collaborated to provide guidance on shaping sovereign and sustainable Digital Ecosystems rooted in European values, outlining the following recommendations:

- Contribute to the European Commission's work on defining and advancing **digital sovereignty**.
- Introduce **Season Two of Data Spaces**.
- Develop a detailed and transparent **maturity assessment methodology** for Data Spaces.
- Showcase Data Spaces' **economic viability** with criteria commonly shared by the community.
- Maximise **adoption and impact** of Gaia-X deliverables in the market



SUMMIT ON EUROPEAN DIGITAL SOVEREIGNTY





Challenges Ahead



Many data spaces still depend on public support

Few show signs of financial sustainability

Building data spaces = Evolving coordination, not a one-off investment

Risk of fragmentation and foreign dependency

Data Spaces and AI belong closely together

Role of orchestrator is critical for alignment & scale

Call for the Season Two fo Data Spaces

Thank you!

Ulrich Ahle, ulrich.ahle@gaia-x.eu



Pioneering Data Space Projects

12:05 – 12:50



Moderator: Hubert Tardieu, Independent Board Member, Gaia-X

Decade-X: Jérémy Mambrini, Procurement Data Governance
Improvement Manager, Airbus

Data4Nuclear-X: Martine Gouriet, Director of Digital Uses, EDF

#GaiaXSummit25

Pioneering Data Space Projects



Jérémy Mambrini

Procurement Data Governance Improvement
Manager, Airbus

#GaiaXSummit25

DECADE-X

An Introduction to the digital ecosystem for aerospace and defence

November 20th, 2025 - Porto

**Unlocking the strength of
a trusted collaborative
supply chain**

The aerospace and defence industry is facing multiple challenges



Resilient Supply chain



Trusted traceability
(including Sustainability)



Efficient
co-development

DECADE-X is the first trusted and collaborative industry digital ecosystem

Its mission: Build a global **collaborative** data-sharing framework bringing together industry stakeholders to enable **trustful**, **secure** and **standard-based data exchanges**.

Founded by industry leaders bringing international leadership and experience



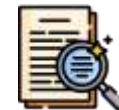
Collective concerns



Data sharing control



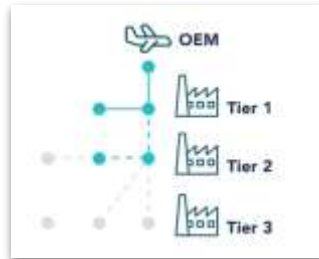
Digital Continuity



Transparency



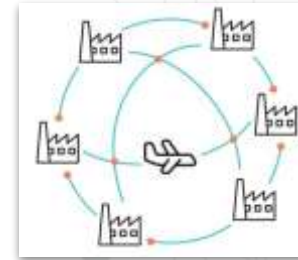
Unlock the strength of a trusted collaborative supply chain



From current discontinued digital supply chain landscape...



...to new global Ecosystem with direct exchanges



This new ecosystem is based on four principles

TRUST

- Peer-To-Peer data exchanges
- Data Contracts with trusted Identities
- Transparent & shared Governance

INTEROPERABILITY

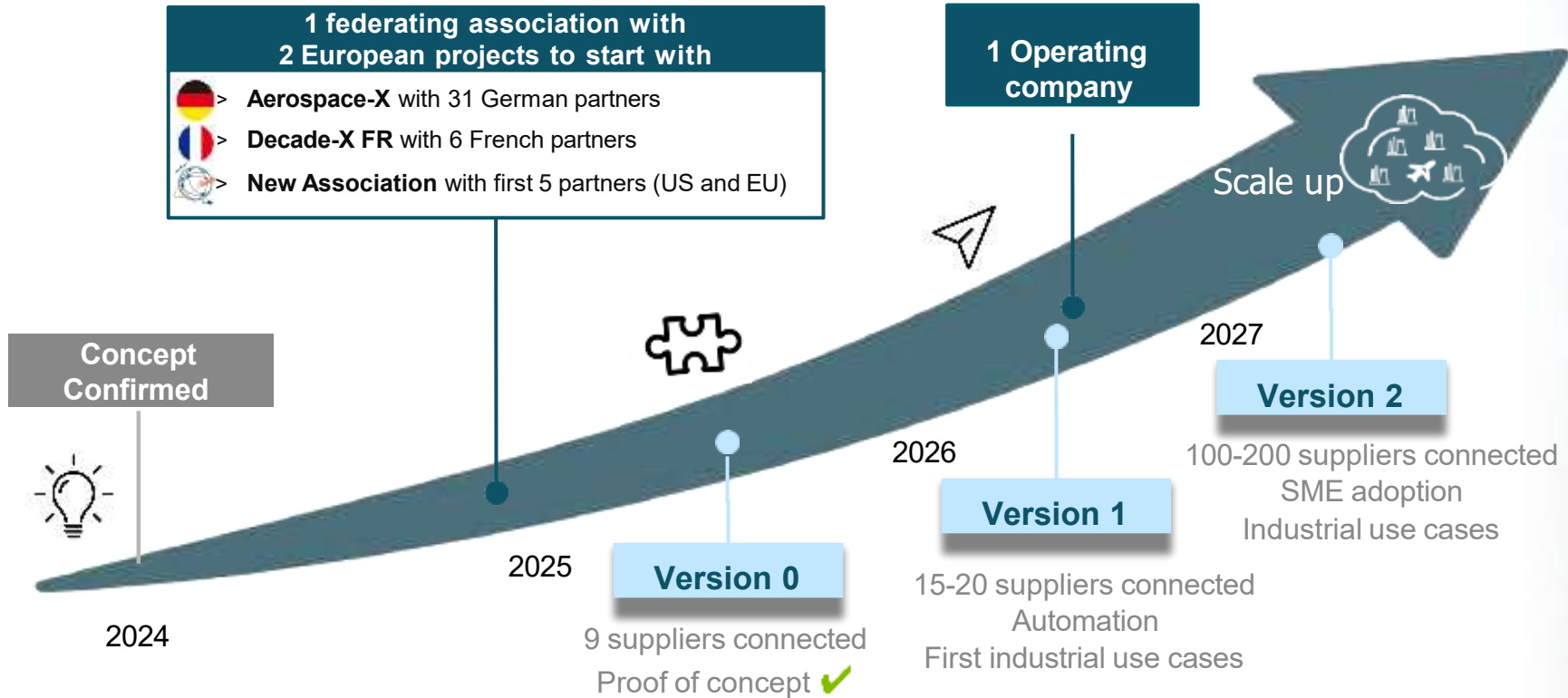
MULTI-TIER

- Common Language & interfaces with Standards
- Agile multi-tier chain validation
- Tailored for SMEs

ADOPTION



From concept to reality, heading towards scalability



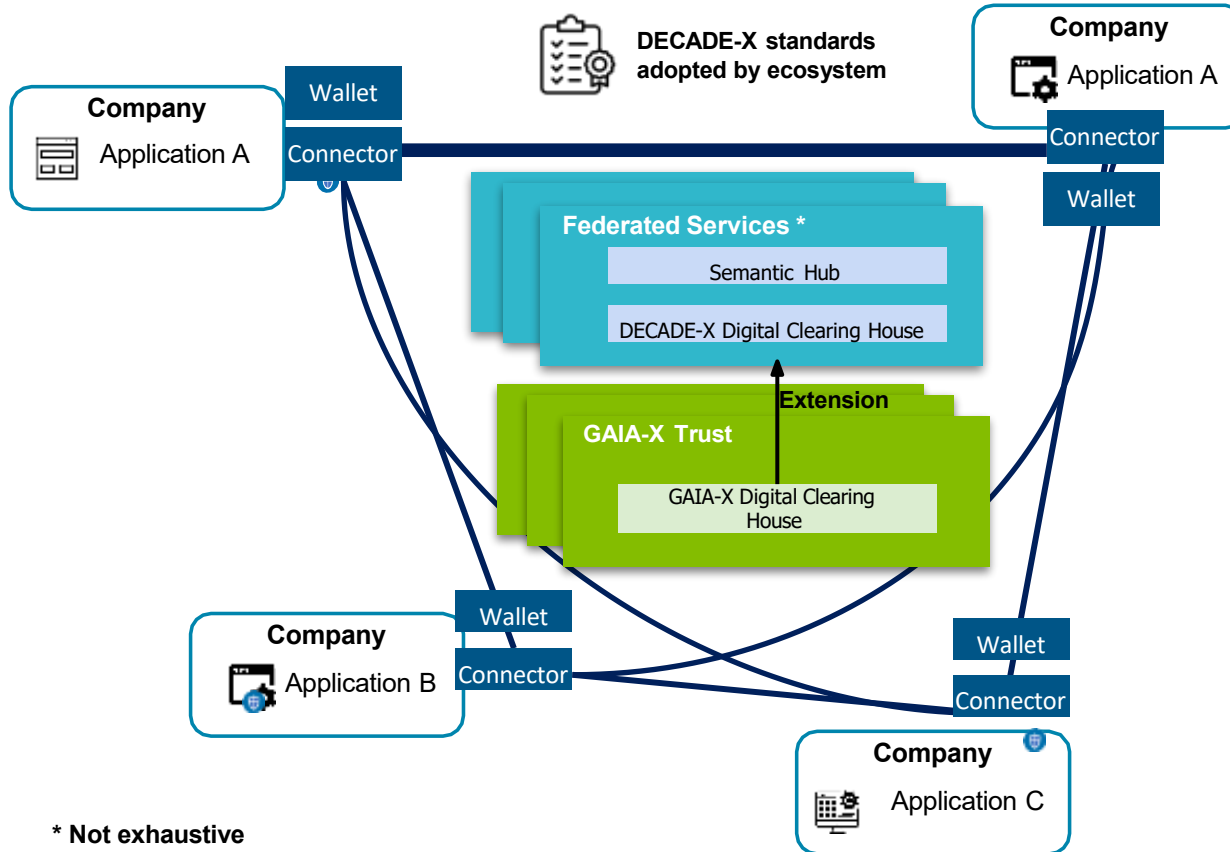
Strategic need confirmed by key players of our industry

Version 0 applied for traceability deployed with 9 suppliers to prove the concept

Version 1 targeted in 2026 with limited deployment

DECADE-X Data Space

DECADE-X Target Architecture for decentralized data exchange enabling global supply chain use cases



* Not exhaustive

- Data Sovereignty through **decentralized components and interoperable business applications** supporting concrete supply chain use cases
- Federated services enabled by **common set of standards**
- Trust framework based on Gaia-X with extensions for our **ecosystem specific rules and global geographical adoption**

Standardization & Certification : The essential partnership for building Trust & Interoperability

What do we standardize?

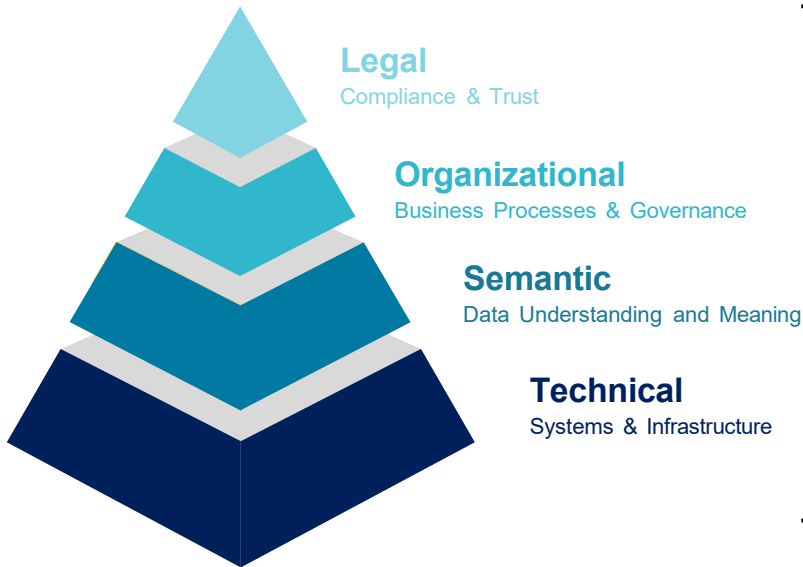
Based on EIF (European Interoperability Framework)

How and Why do we standardize?

Seamless Data Exchange & Integration
Fair and competitive Market for Service providers
Reduce Cost of development

Why do we certify?

Ensure trust & compliance
Guarantee Interoperability
Prevent Vendor Lock-in



De Jure standards

Officially recognized and approved by formal standardization bodies.

&

De Facto standards

Widely adopted by the market, industry, or community (market-driven standards).

Used by

Improve



Procedure by which a third party gives written assurance that a **product, process or service** is in conformity with our standards

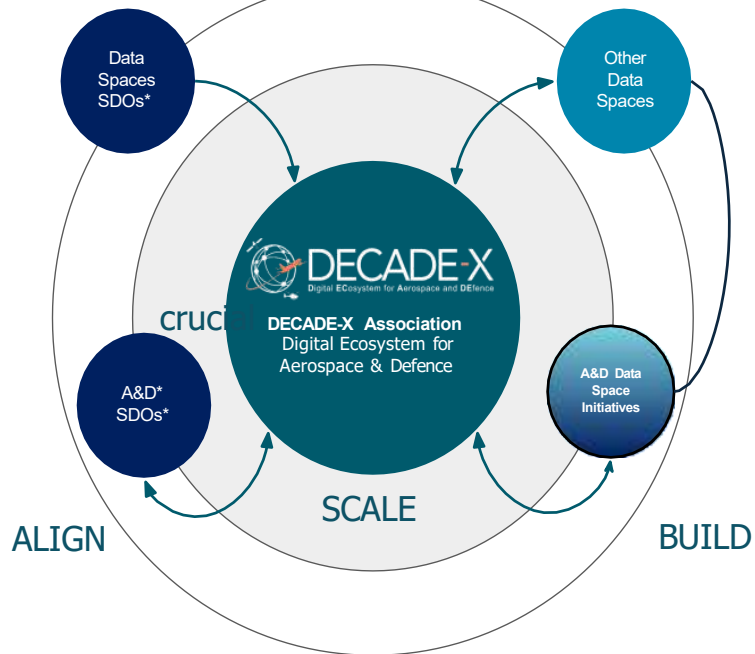


Driving Intra & Inter Data Space Interoperability : To foster synergies and adoption

- Benchmark the development of components & standards (e.g. Gaia-X, IDSA, Eclipse Data Space Working Group, Tractus-X...)
- Early adopters and provide feedbacks
- Explore how best to actively contribute to these SDOs

- Align with A&D Standardization efforts
- Benefit from standardization expertise (e.g. ASD-STAN)
- Formal standardization of assets developed within DECADE-X (if valuable).

INFLUENCE



FEDERATE

Foster synergies & share best practices between ecosystems on common challenges

- Common Cross-Domain Technical Standards
- Viable Business Model for all actors
- Global adoption & Operations
- Reducing entry barriers for SMEs
- Use of AI to accelerate data standardization/data integration

BUILD

- Aerospace-X is a consortium of 31 german partners part of the Manufacturing-X program
- DECADE-X France incl. 6 partners is part of the "Appel à Projet - Espace de données" from BPI France

Building a truly open, trusted, and scalable Aerospace & Defence Data Space requires strategic external engagement beyond our immediate boundaries to ensure broad interoperability, avoid fragmentation, and accelerate the adoption



To go further...

DECADE-X Website



decade-x.org

DECADE-X LinkedIn Page



[LinkedIn](https://www.linkedin.com/company/decade-x)

 contact@decade-x.org

*(Longer version of this Introduction & Awareness kit is
available with personal sessions)*



Thank you!



Pioneering Data Space Projects



Martine Gouriet

Director of Digital Uses, EDF

#GaiaXSummit25

Data4 NUCLEAR X

The Nuclear Data Space project

Building the sovereign digital trust
space for exchanges within the
nuclear industry

20/11/2025





Climate change requires an exit from fossil fuels

(80% of the energy consumed in the world).

Energy is more than ever a major issue of competitiveness and security of supply.

Electricity has a major role to play as a vector of energy efficiency and decarbonization.



With 99% of its electricity production decarbonized in 2024 in France, the EDF Group is now the world's leading producer of low-carbon electricity.

The French and European nuclear sector makes a significant contribution to the European objectives of carbon neutrality by 2050



EDF

30

gr CO₂/kWh

Carbon-free energy in
2024

Europe

275



1,1

Millions of direct and
indirect jobs in Europe

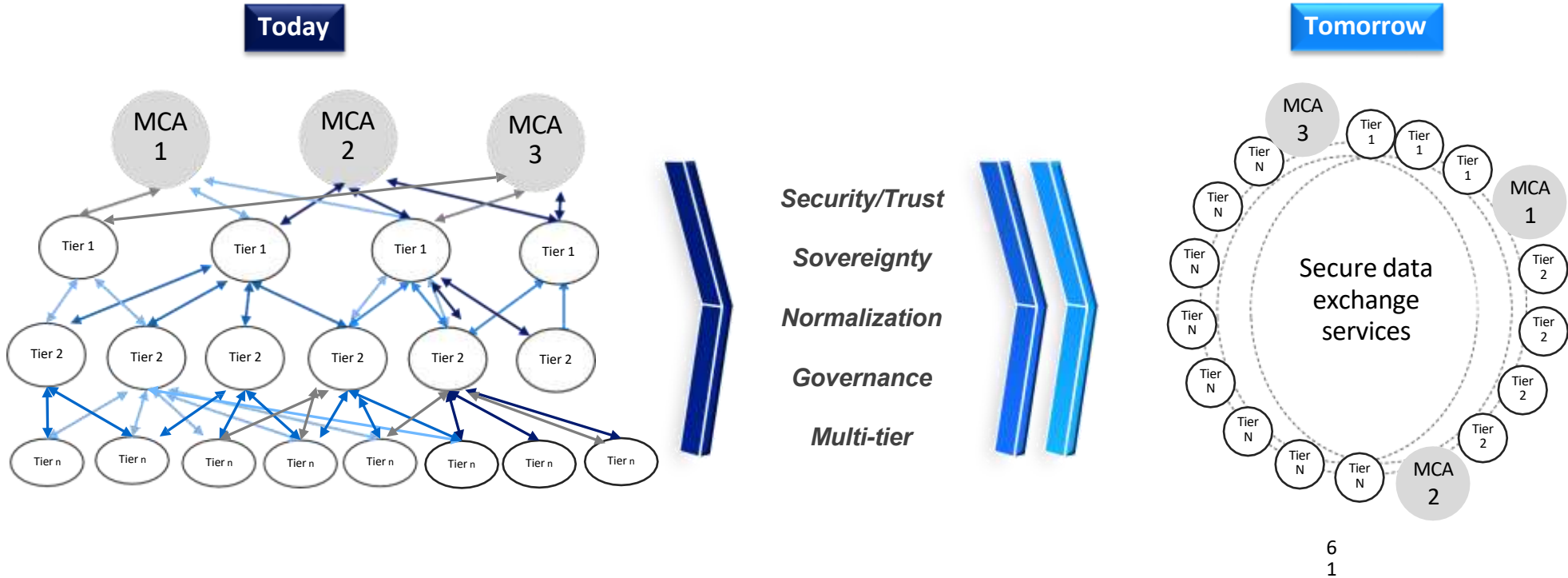


2 500

Companies concerned
of which 80% are SMEs



Building a secure and sovereign data exchange space between the players in the nuclear industry



MCA = Main Contracting Authority
Tier = Tier N Supplier

4 major challenges to be met

Governance

An association and
an orchestrator to
create and maintain

Technical challenges

Identity
Data transaction
Interoperability
standards

Ensuring
technical and
economic
performance

while
onboarding SME

Ensuring the
sovereignty of
our data

Trust, security,
regulation and
compliance



6
2

Gaia-X is key for our project !



**«The right information at the right
time to make the right decisions.»**

THANKS

Pioneering Data Space Projects

12:05 – 12:50



Moderator: Hubert Tardieu, Independent Board Member, Gaia-X

Decade-X: Jérémy Mambrini, Procurement Data Governance
Improvement Manager, Airbus

Data4Nuclear-X: Martine Gouriet, Director of Digital Uses, EDF

#GaiaXSummit25

Gaia-X Trust Framework: Danube – first set of extensibility mechanisms of the Domain and Geographical Extensions



12:50 – 13:20

Christoph Strnadl, CTO, Gaia-X
Roland Fadrany, COO, Gaia-X

A small, solid blue horizontal bar.

#GaiaXSummit25

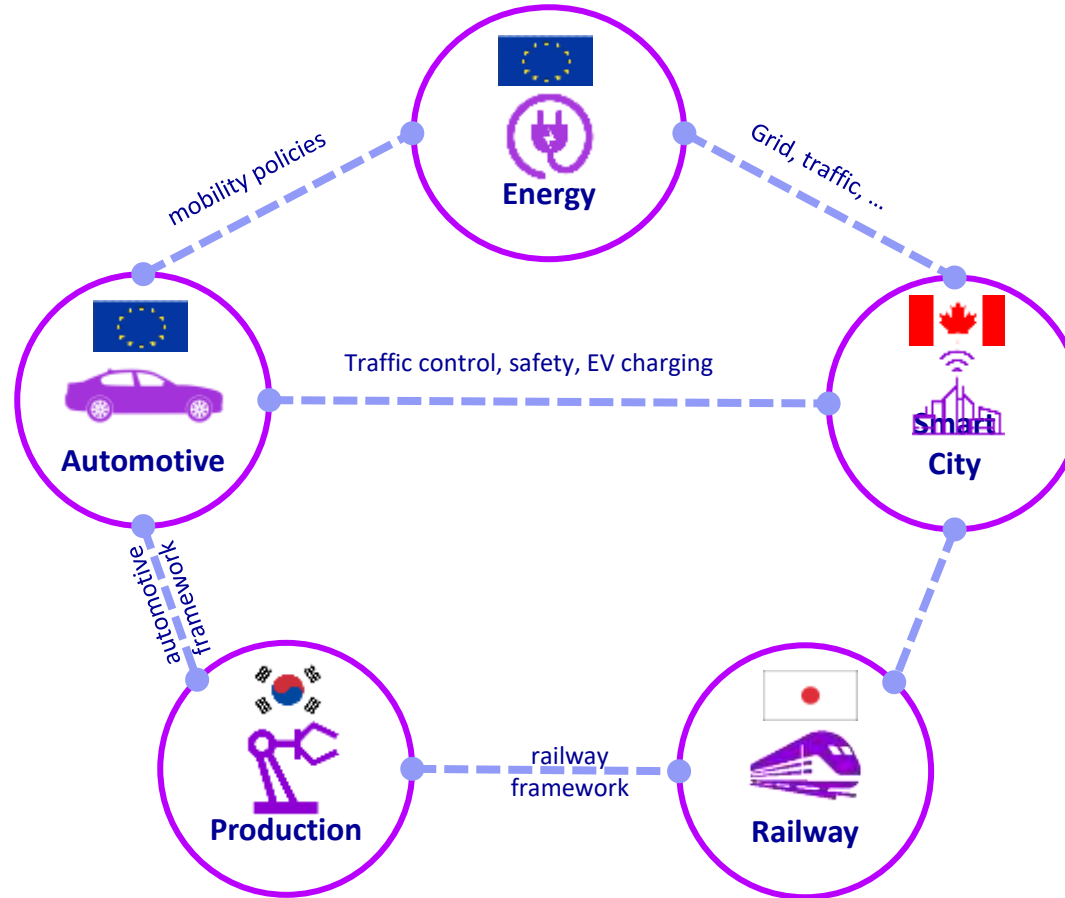
Cross Ecosystem, Cross Domain Trust at Scale

Domain & Geographical Extensions and Gaia-X Danube architecture

Roland Fadrany | COO Gaia-X
Christoph Strnadl | CTO Gaia-X

Gaia-X European Association for Data and Cloud

Ecosystems and Regions – The problem in-between

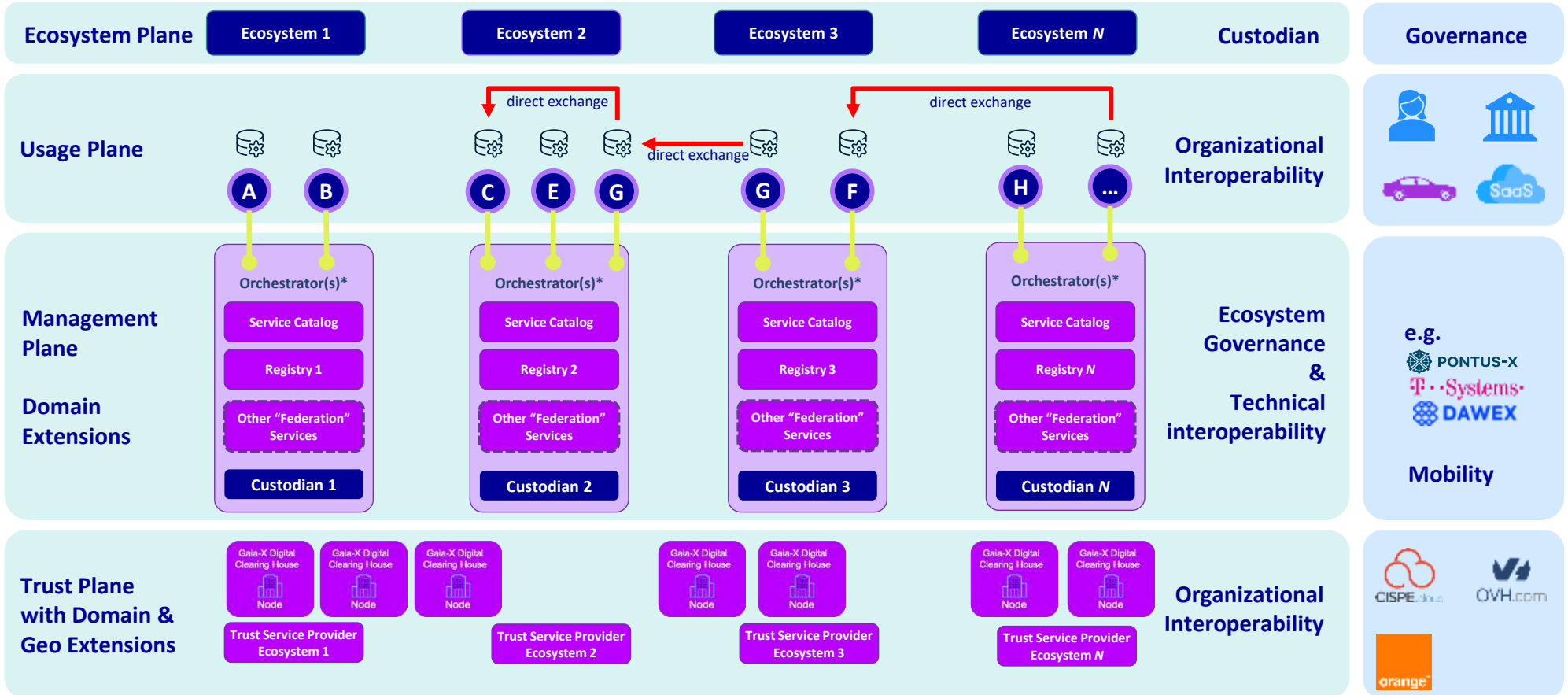


Trust Levels of an Ecosystem



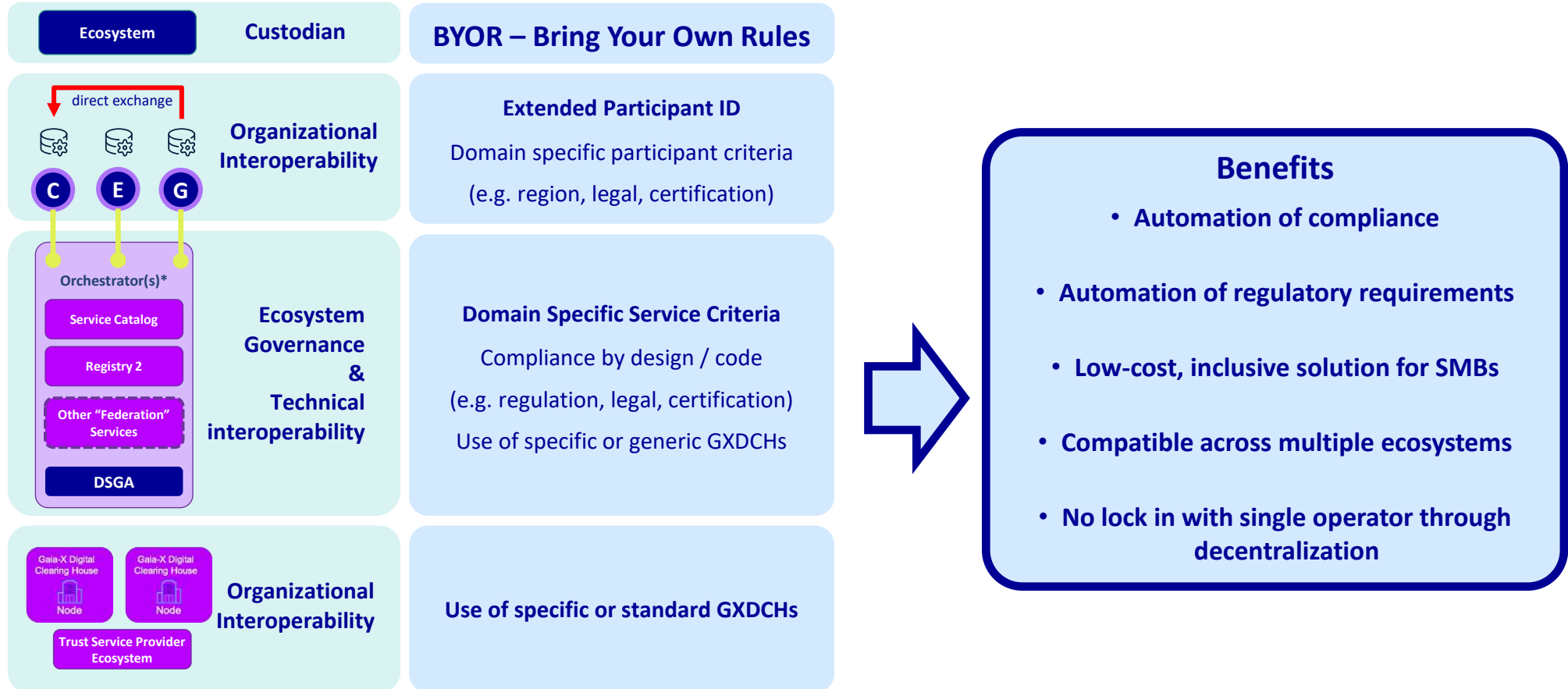
* One or more orchestrators, depending on Ecosystem needs (e.g. regionalization or regulations), ** GXDCHs are fully distributed and can be used independent from Ecosystem and orchestrators

Trust Levels of an Ecosystem

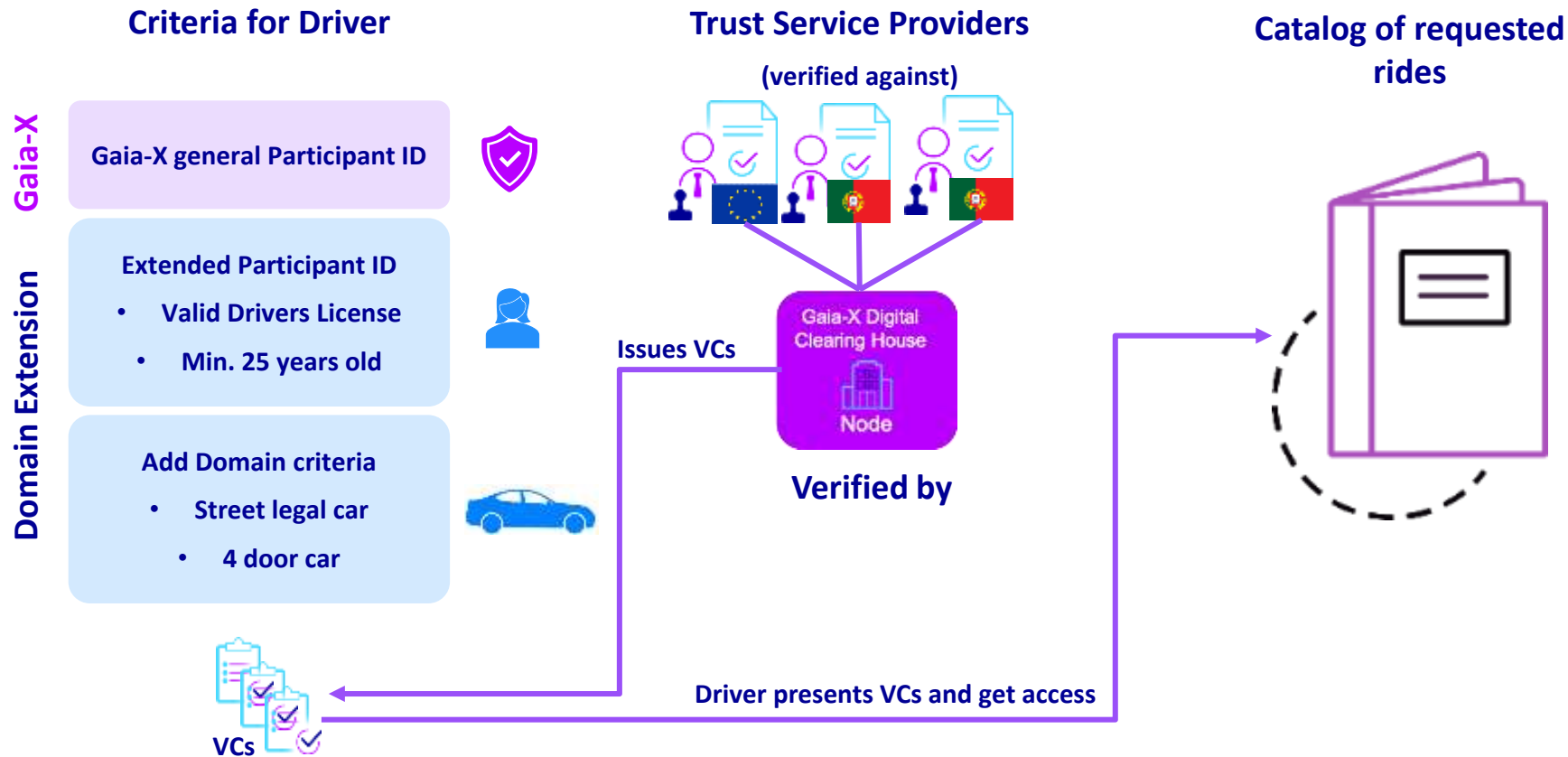


* One or more orchestrators, depending on Ecosystem needs (e.g. regionalization or regulations), ** GXDCHs are fully distributed and can be used independent from Ecosystem and orchestrators

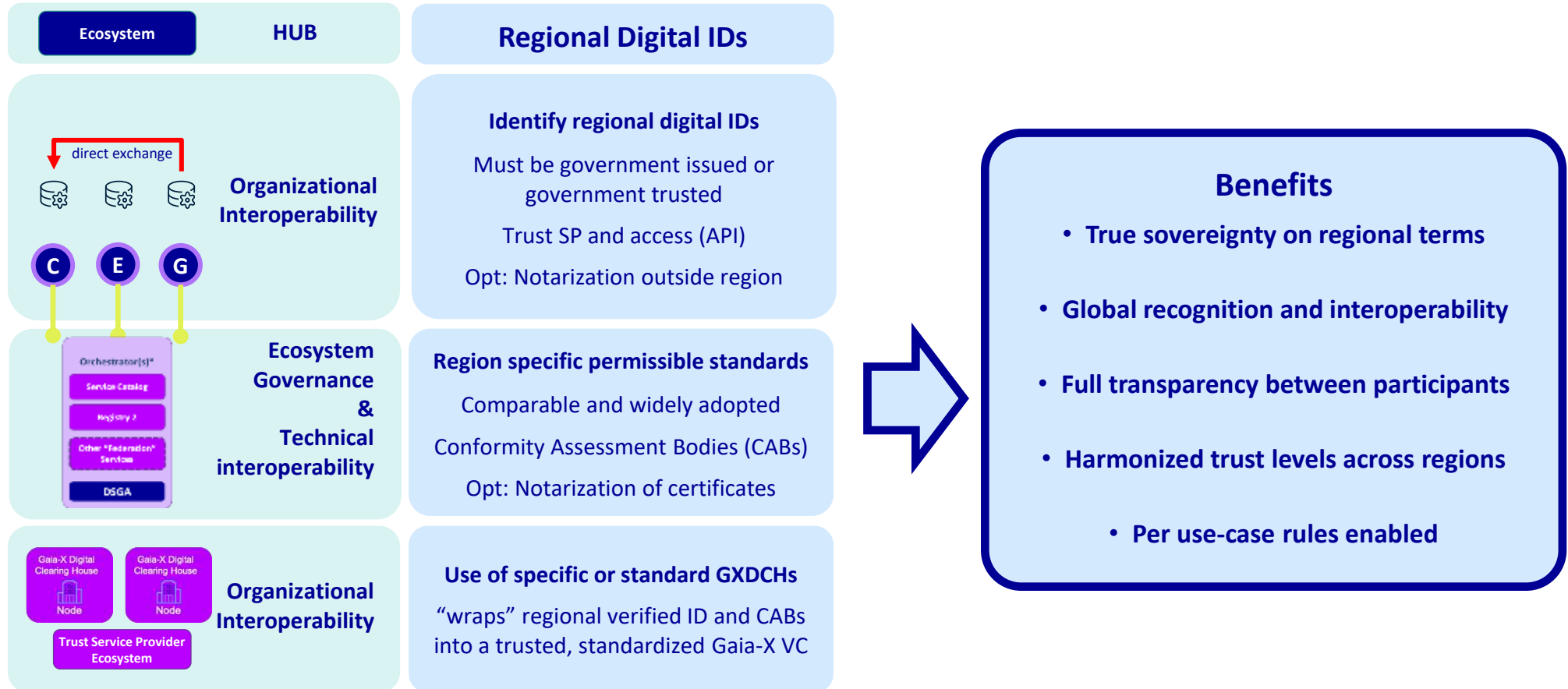
Domain Extensions – BYOR (Bring Your Own Rules)



Domain Extensions in Action – “Ride-Hailing app”



Geographical Extensions – enable trust across regions




Gaia-X «Danube»

CTO team mission





Gaia-X Compliance Document
Gaia-X Labels

 Gaia-X Participant Credential


 Gaia-X Service Credential


Gaia-X Compliance: Geography & Domain Extensions

 Ecosystem Participant Extension

 Ecosystem Entity Extension

BYOR
«Bring your own rules»

 Ecosystem Participant Credential

 Ecosystem Entity Credential

«Loire» Compliance Engine

«Tagus» Compliance Engine

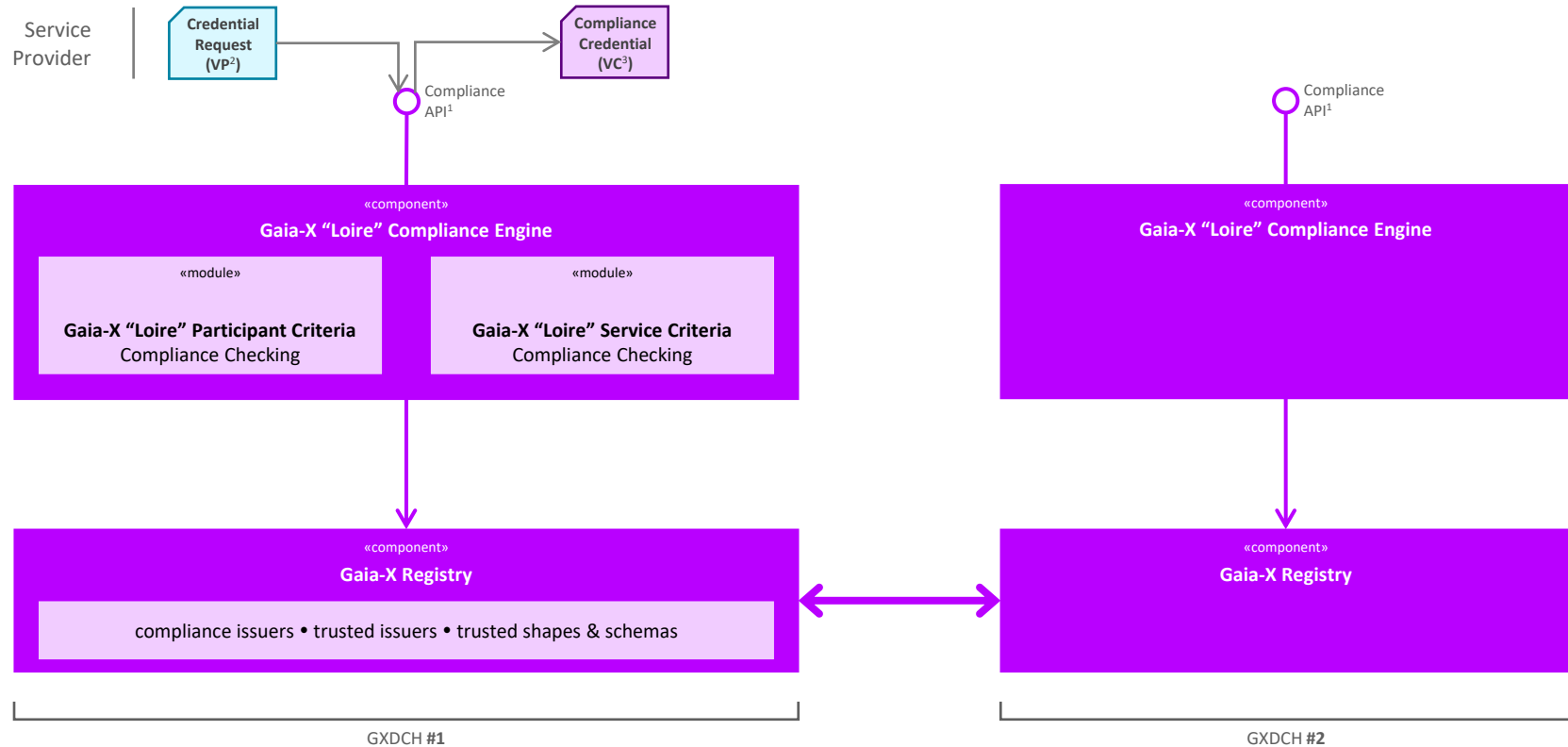
Gaia-X Technical Compatibility

Extension Mechanism & Architecture

Gaia-X Technical Compatibility

Gaia-X «Danube»

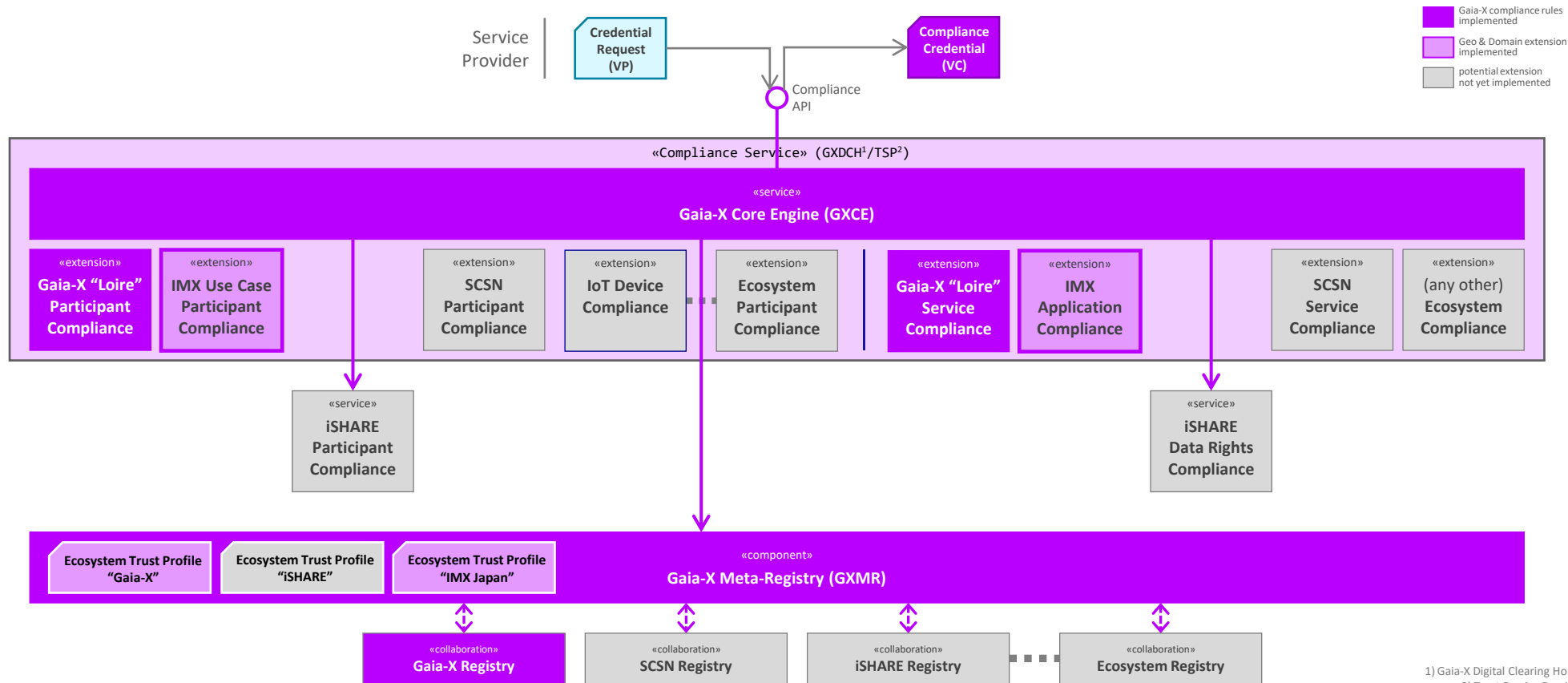
Compliance checking today in «Loire»



1) application programming interface 2) verifiable presentation 3) verifiable credential

Gaia-X «Danube»

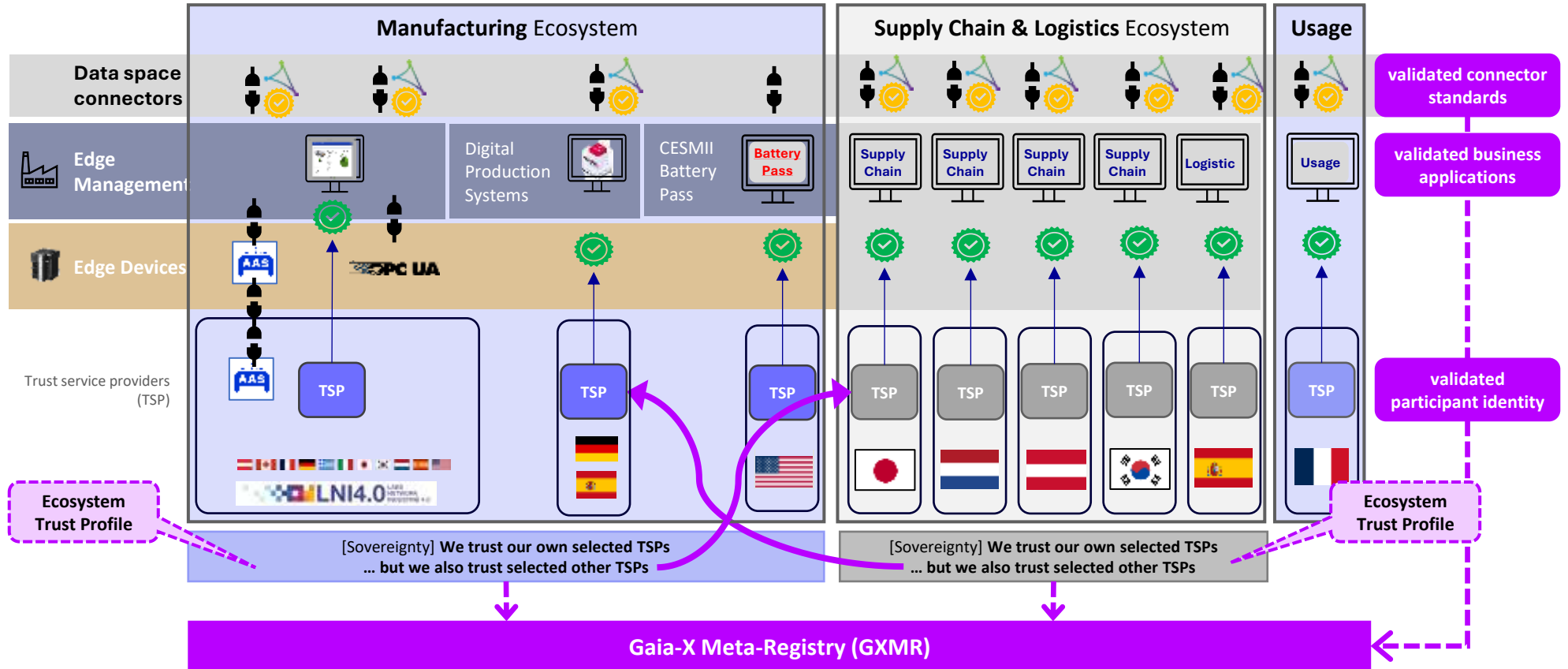
Extension mechanism architecture



1) Gaia-X Digital Clearing House
2) Trust Service Provider

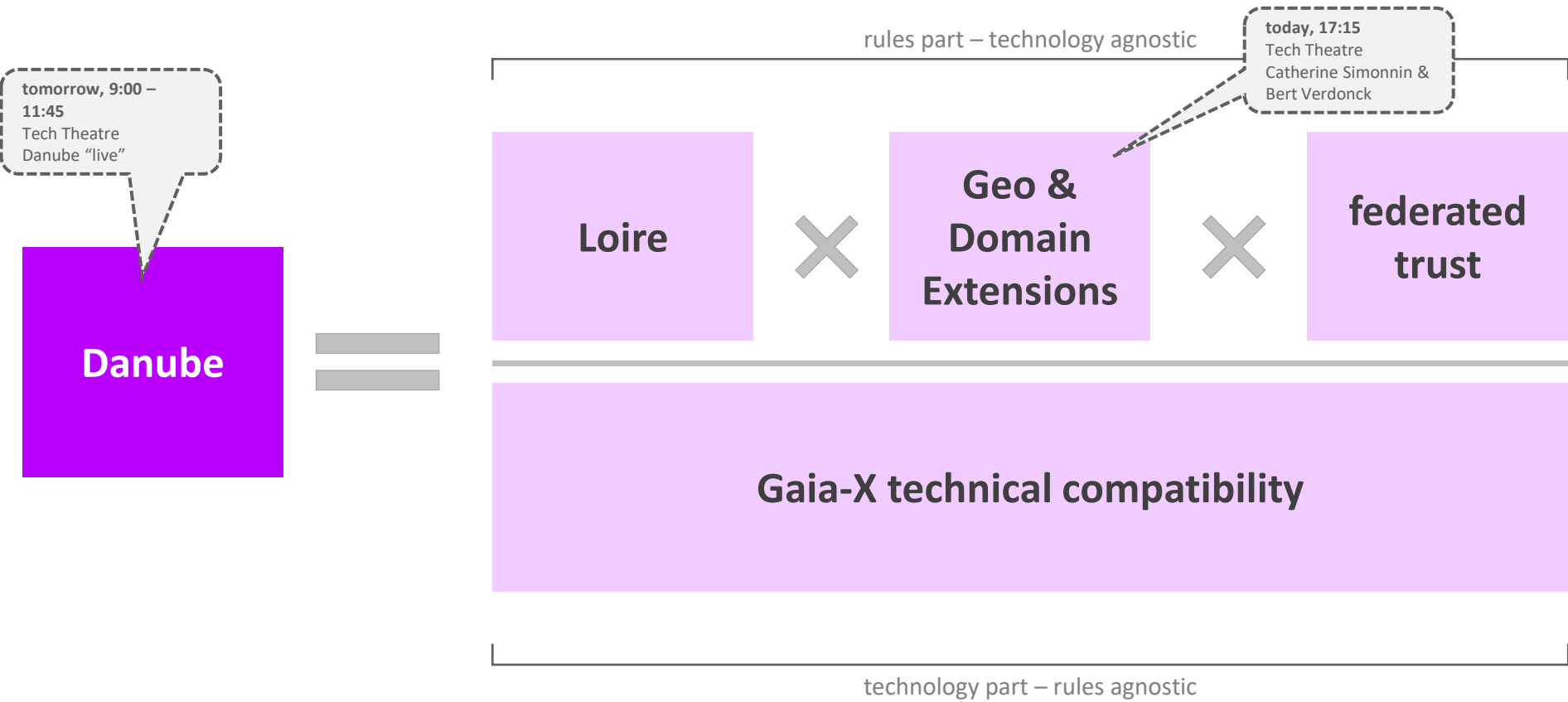
Gaia-X «Danube» – IMX Federated Trust Use Case

Solving the cross-ecosystem trust dilemma



Gaia-X «Danube»

A summary formula



Let's make data sovereignty real... on YOUR terms!

Gaia-X Association

Dr. Christoph Strnadl
CTO | Gaia-X Association

christoph.strnadl@gaia-x.eu



Roland Fadrany, MSc
COO | Gaia-X Association

roland.fadrany@gaia-x.eu





Complete AR & real-world challenges to become the ultimate **Data Wizard!**

Visit the **Gaia-X Discovery Quest Booth** in the Expo area to find out more!



Connect with fellow participants in a fun, new environment.



Explore key Gaia-X concepts like trust, compliance, data economy, and interoperability.



Use Augmented Reality to make these concepts come to life.



Turn the summit into an **interactive, educational** adventure.



SCAN TO DOWNLOAD

Scan the QR code to download the **Gaia-X AR app** and compete in the Gaia-X Discovery Quest!

Gaia-X SUMMIT 2025

AGENDA - BREAK

Day 1 - 20 November



13:20 – 15:10 Networking Lunch & Expo Area



DIGITAL ECOSYSTEMS IN ACTION

EXPO AREA	Gaia-X LIGHTHOUSE PROJECTS BOOTH
13:25 – 13:40	Prometheus-X
13:40 – 13:55	Dataspace4Health
13:55 – 14:10	Dynamo
14:10 – 14:25	InfraDS
14:25 – 14:40	COOPERANTS
14:40 – 14:55	ACCURATE
14:55 – 15:10	Digital TER-X
EXPO AREA	Gaia-X BOOTH
13:10 – 13:40	ICT SPs & 'Gaia-X -based Services in action'
13:40 – 14:00	Gaia-X Trust Framework: Danube
14:00 – 14:30	Data Spaces Ready in Action
14:30 – 15:10	Collaboration and Sprints

EXPO AREA	Gaia-X DIGITAL CLEARING HOUSES BOOTH
13:30 – 14:00	Neusta Aerospace
14:00 – 14:30	Airenetworks
14:30 – 15:10	Orange
EXPO AREA	Gaia-X HUBS BOOTH
14:00 – 14:30	Austria
TECH THEATRE	RIBEIRA 2 ROOM
15:00 – 15:20	From Data Meshes to Data Spaces
15:20 – 15:35	Eclipse Cloud Interest Group
15:35 – 16:00	Simpl – Current State
16:00 – 16:15	Orchestrating Sovereign Data Exchange
16:15 – 16:30	Myrtus: A Computing Continuum Platform

Catalogue of Gaia-X Compliant Services on the Market

15:10 – 15:30



Moderator: Pierre Gronlier, CINO, Gaia-X

Francisco Mingorance, Secretary General, CISPE

Sebastien Lescop, CEO, Cloud Temple

#GaiaXSummit25

Novembre, 2025

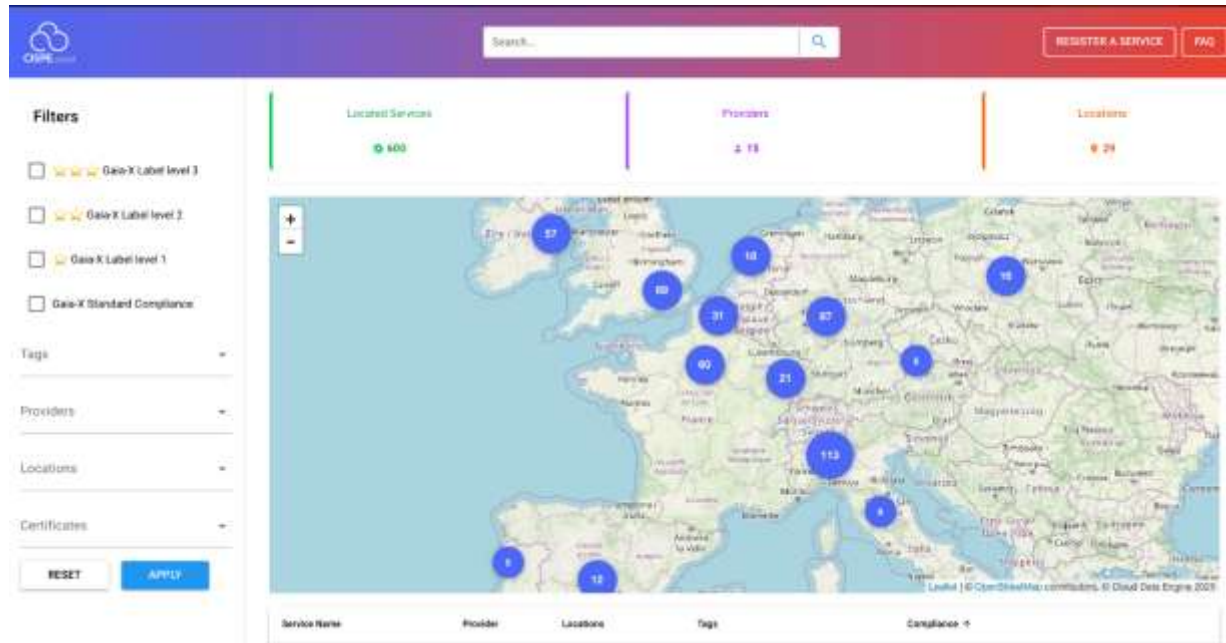


GAIA-X Summit
Porto, November 20, 2025

1st GAIA-X LEVEL 3 COMPLIANT SOVEREIGN SERVICES CATALOGUE

Francisco Mingorance, CISPE Secretary General

Reference Catalogue of Cloud Services within Gaia-X with 600+ services referenced – First



CISPE within Gaia-X

2020 – Founding Member
2022 – 1st Demo Catalogue
2023 – 2nd Demo Catalogue
2025 – CISPE GXDCH

Catalogue in Production
and 1st Gaia-X official
Labels 3 Labels

Join us and declare your services!

<https://cispe.catalogue.clouddataengine.io>

CONGRATULATIONS !

First 5 Companies to Obtain Gaia-x Labels level 3

- SOVEREIGN CLOUD EUROPE -



Made possible through Cloud Data Engine CDE

5 Steps to secure your Gaia-X Label(s)

<https://gaia-x.onboarding.clouddataengine.io/>

1

Gaia-X Labels
onboarding form



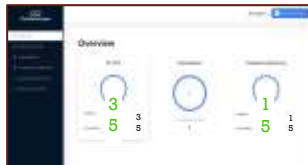
2

Fill Order form



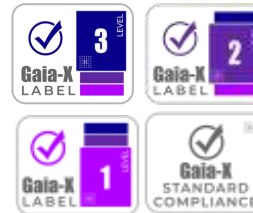
3

Automated processing
(CDE Notary, CDE Manager,
CISPE GXDCH)



4

Automated Gaia-X Labels
attribution + VCs



5

Automated Publication
in the CISPE Catalogue



CISPE commitment for choice in Sovereign, Resilient and Federated Cloud



Promoting key reference frameworks

- CISPE Data Protection Code
- CNDCP
- Cloud Switching Framework
- 10 Fair Software Licenses Principles

CISPE is the promoter of key compliance schemes for Gaia-X Compliance



A journey towards open Sovereign Cloud Services

1. Reaching 100+ Gaia-X Level 3 Sovereign services within 6 months
2. Expanding Sovereignty Labels Beyond Europe
3. Promoting Sovereign and Resilient Cloud services



Promoting choice

CISPE is committed to enabling private companies & public actors procure sovereign and resilient cloud solutions

1. Reaching 1500+ Gaia-X services within 24 months
2. Promote federated sovereign offerings through open marketplaces like Fulcrum

Concluding Remarks

GAIA-X Summit and the lesson from the Porto 1757 *Révolution des taverniers*



September 2025

THANK YOU

LinkedIn

linkedin.com/company/cispe

X

[@cispe_cloud](https://twitter.com/cispe_cloud)

Website

www.cispe.cloud



SÉBASTIEN LESCOP

CEO, Cloud
Temple

“Europe’s strength will come from its ability to build lasting trust among providers, users and institutions acting together.”

Catalogue of Gaia-X Compliant Services on the Market

15:10 – 15:30



Moderator: Pierre Gronlier, CINO, Gaia-X

Francisco Mingorance, Secretary General, CISPE

Sebastien Lescop, CEO, Cloud Temple

#GaiaXSummit25

Use of Generative AI for Data Interoperability Challenges



15:30 – 15:45

Christoph Strnadl, CTO, Gaia-X

#GaiaXSummit25

#1 ... interoperability means what exactly?

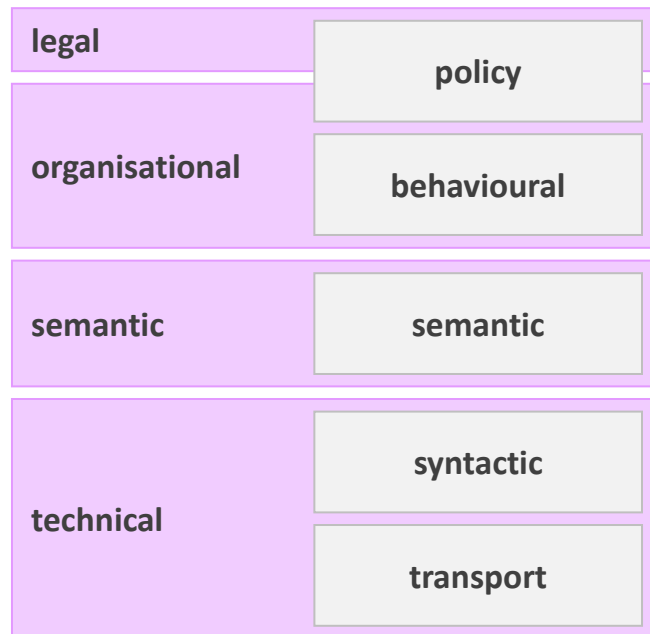
#2 ... and why does that matter?

Interoperability

A multi-faceted universal topic in distributed IT systems

European
Interoperability
Framework (EIF)

ISO/IEC 1994 (2017)
Interoperability & Portability



large data spaces (10,000+) • lots of SMEs • different verticals •
cross-data space exchange • no time to build the «ultimate» ontology

- legislation: Data Act, Data Governance Act etc.
- data space governance authorities

- data space governance authorities

- ability for the systems exchanging information
to understand the meaning of the data model within the context of a subject area

- format and structure of the data

- communications protocols

Semantic Interoperability

... is very much context-dependent



City

- Brussel
- Bruxelles
- Brussels
- BRU

Country

- Belgium
- Belgique
- België
- BE
- BEL

Street

- Avenue des Arts
- Avenue des Arts 6
- Avenue des Arts, 6
- Avenues des Arts 6-9
- Avenues des Arts, 6-9

Price


- net
- gross
- VAT
- discount
- INCOTERMS


Digital Twin

- part of
- (distributed)

Semantic Interoperability

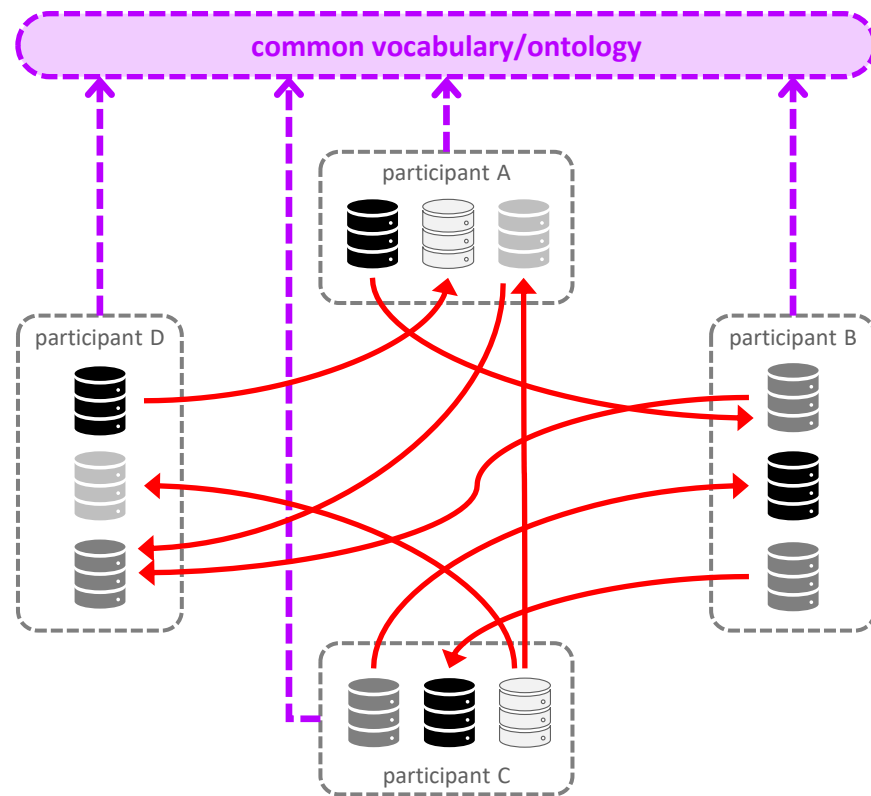
Bad for any data space, worse for vertically diverse data spaces

 **mapping multiple data sources to a common vocabulary** or logical information model (“ontology”)

 **aligning different representations** of the same (or similar) information

 **ensuring consistency of information** across multiple data sources

 **mapping between different data models** (potentially with overlapping/contradicting information content)



genAI for Semantic Interoperability

3 Use cases covering the trusted data transaction lifecycle

genAI Use Cases

- 1** generate a common (Decade-X) **data standard** out of existing data assets (structured and unstructured)
- 2** transform unstructured or structured data into a (common) data standard
- 3** generate mappings from one data standard to another data standard
proprietary data ↔ common data model

Secured by Gaia-X Trust Framework

AI Tool Chain

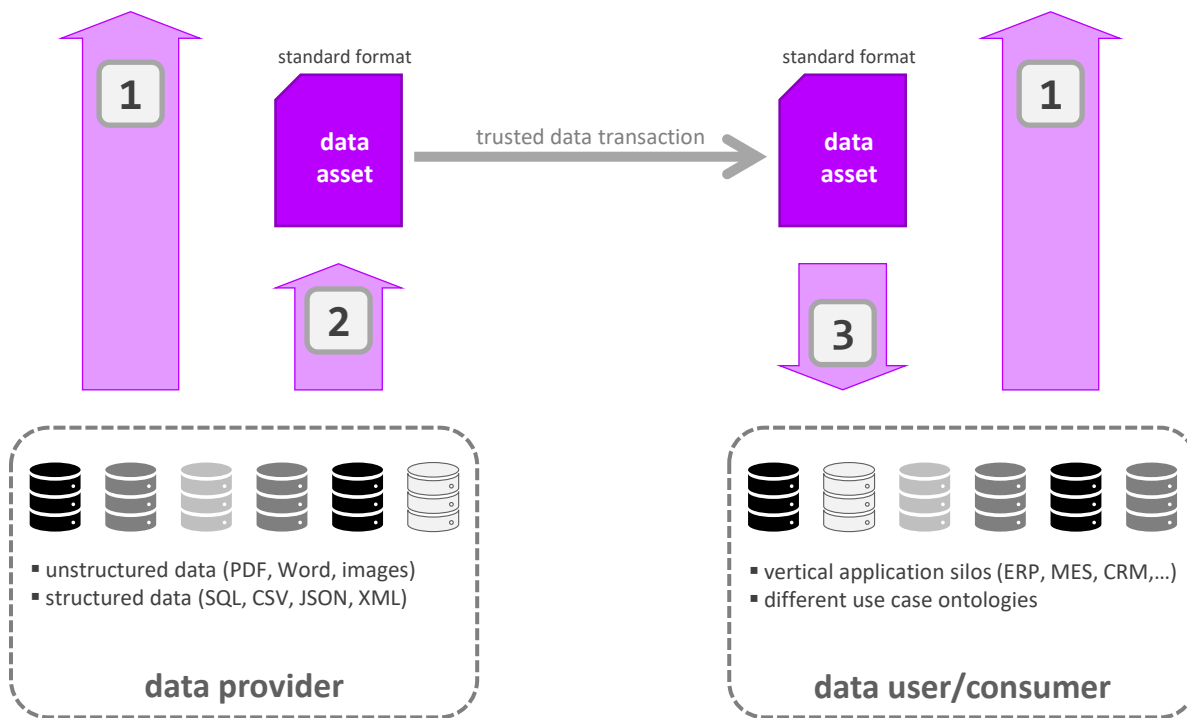
- training data sources
- training data assets/sets
- AI operators (e.g., AI Act)
- augmentation data (RAG)

Trusted Data Transactions

- cross-ecosystem trust
- ontology authenticity
- data assets conformance

Use cases: J  r  my Mambrini, "GenAI and Data Interoperability", Paris, 25. Sept. 2025
Use case diagram: Gaia-X

common (Decade-X) data schema/model/standard/ontology



Advancing genAI for Semantic Interoperability

2026 outlook



internal genAI tooling **preparation**



genAI for semantic interoperability **hackathon**



further **planning** based on hackathon outcomes



AIRBUS

ANITI

Fraunhofer



tu technische universität
dortmund

UGA
Université
Grenoble Alpes



Thank you!



Christoph F. Strnadl | christoph.strnadl@gaia-x.eu | [@archimate](https://twitter.com/archimate)

#GaiaXSummit25

Available Tools for building Data Spaces and Digital Ecosystems

15:45 – 16:30



Moderator: Christoph Strnadl, CTO, Gaia-X

Cloud Data Engine: Alban Schmutz, CEO, Cloud Data Engine

Pontus-X: Kai Meinke, Co-Founder and Business Lead, deltaDAO AG

Prometheus-X: Matthias De Bièvre, Founder / CEO, Visions & Co-Founder / President, Prometheus-X

Fulcrum Project: Leonardo Camiciotti, Executive Director, TOP-IX Consortium

Dynamo: Mauro Brambilla, COO, Dynamo

Wisephre: Clara Pezuela, Strategic Alliances and Positioning Director, ITI

#GaiaXSummit25

Available Tools for Building Data Spaces & Digital Ecosystems

Panel



Christoph F. Strnadi
Moderator / CTO
Gaia-X AISBL



Alban Schmutz
CEO
Cloud Data Engine



Clara Pezuela
Strategic Alliance Dir.
ITI



Mauro Brambilla
CEO
Dynamo Cloud



Leonardo Camiciotti
Executive Director
TOP-IX Consortium



Kai Meinke
Co-Founder/Bus. Lead
deltaDAO AG



Matthias De Bièvre
Founder/CEO/Pres.
Visions/Prometheus-X

Data Spaces Technology Layers

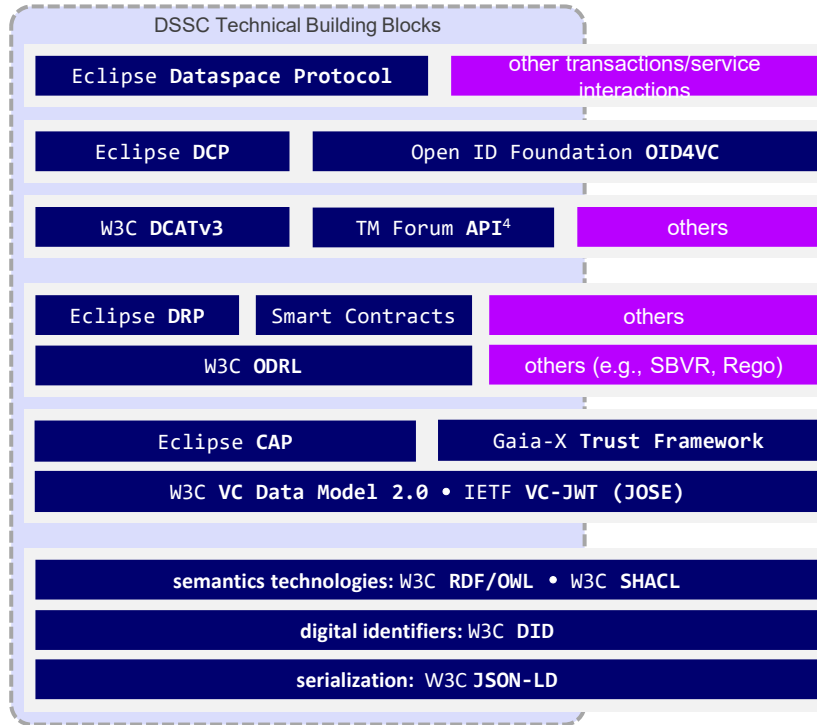
Selected standards & implementations



Federation Layers



Selected Standards⁵



Selected Implementations

EDC Framework	FIWARE Connector	Prometheus-X	Data Transfer Agent (DTA)	Pontus-X/ Ocean Ent.	Simpli Open
DSP	DSP ²	DSP + PMX	possible	Ocean Enterprise	DSP
DCP ³	OID4VC	OID4VC	OID4VC	OID4VC	OID4VC
DCATv3	TM Forum DCAT v3	DCATv3	possible	Ocean Ent. DCAT v3	DCATv3
ODRL	ODRL Rego	ODRL	possible	Smart Ctrct Rego	ODRL
VCDM 2.0	GXDCH	GXDCH	GXDCH	GXDCH	VCDM 2.0
to be verified	VCDM 2.0	VCDM 2.0	VCDM 2.0	VCDM 2.0	VCDM 2.0
did	VC-JWT	VC-JWT	VC-JWT	VC-JWT	VC-JWT
did	did	did	did	did	did

DSSC "Unified Data Space Federation Model"

1) Prometheus-X 2) TCK compliance to be demonstrated 3) DCP versions before v1.0-RC#4 do not support regulated industries 4) here: Product Model schema 5) The morphological field and standards depicted are not meant to exclude additional standards



Complete AR & real-world challenges to become the ultimate **Data Wizard!**

Visit the **Gaia-X Discovery Quest Booth** in the Expo area to find out more!



Connect with fellow participants in a fun, new environment.



Explore key Gaia-X concepts like trust, compliance, data economy, and interoperability.



Use Augmented Reality to make these concepts come to life.



Turn the summit into an **interactive, educational** adventure.



SCAN TO DOWNLOAD

Scan the QR code to download the **Gaia-X AR app** and compete in the Gaia-X Discovery Quest!

Gaia-X SUMMIT 2025

AGENDA - BREAK



**DIGITAL ECOSYSTEMS
IN ACTION**

Day 1 - 20 November

**16:30 – 17:15
Networking Coffee & Expo Area**



gaia-x

EXPO AREA | Gaia-X BOOTH

16:30 – 16:55 Ecosystems

16:55 – 17:15 Hubs/General Gaia-X Info

EXPO AREA | Gaia-X LIGHTHOUSE PROJECTS BOOTH

16:35 – 16:50 Data4Nuclear-X

16:50 – 17:05 Flex4Res

EXPO AREA | Gaia-X HUBS BOOTH

16:40 – 17:10 Spain

TECH THEATRE | RIBEIRA 2 ROOM

17:00 – 17:15 Data Exchange Services WG – Update & Roadmap

17:15 – 18:00 Geography & Domain Extensions

Data Spaces Ready in Action

17:15 – 18:00



Moderator: Alberto Curatolo, CFO, Gaia-X

EuProGigant: Wolfgang Kniejski, Senior Project Manager, EIT Manufacturing

Dataspace4Health: Ralf Hustadt, DATA&AI Director, NTT Data

Cooperants: Arno Scheidereiter, Co-Lead of the Ecosystem for Aviation, Space and Defence / CEO of neusta aerospace GmbH

#GaiaXSummit25

Data Spaces Ready in Action - EuProGigant



Dr. h.c. Wolfgang Kniejski

Senior Project Manager
EIT Manufacturing East GmbH



#GaiaXSummit25



**Partners in the
manufacturing data
ecosystem**



**Relevant
manufacturing
data**

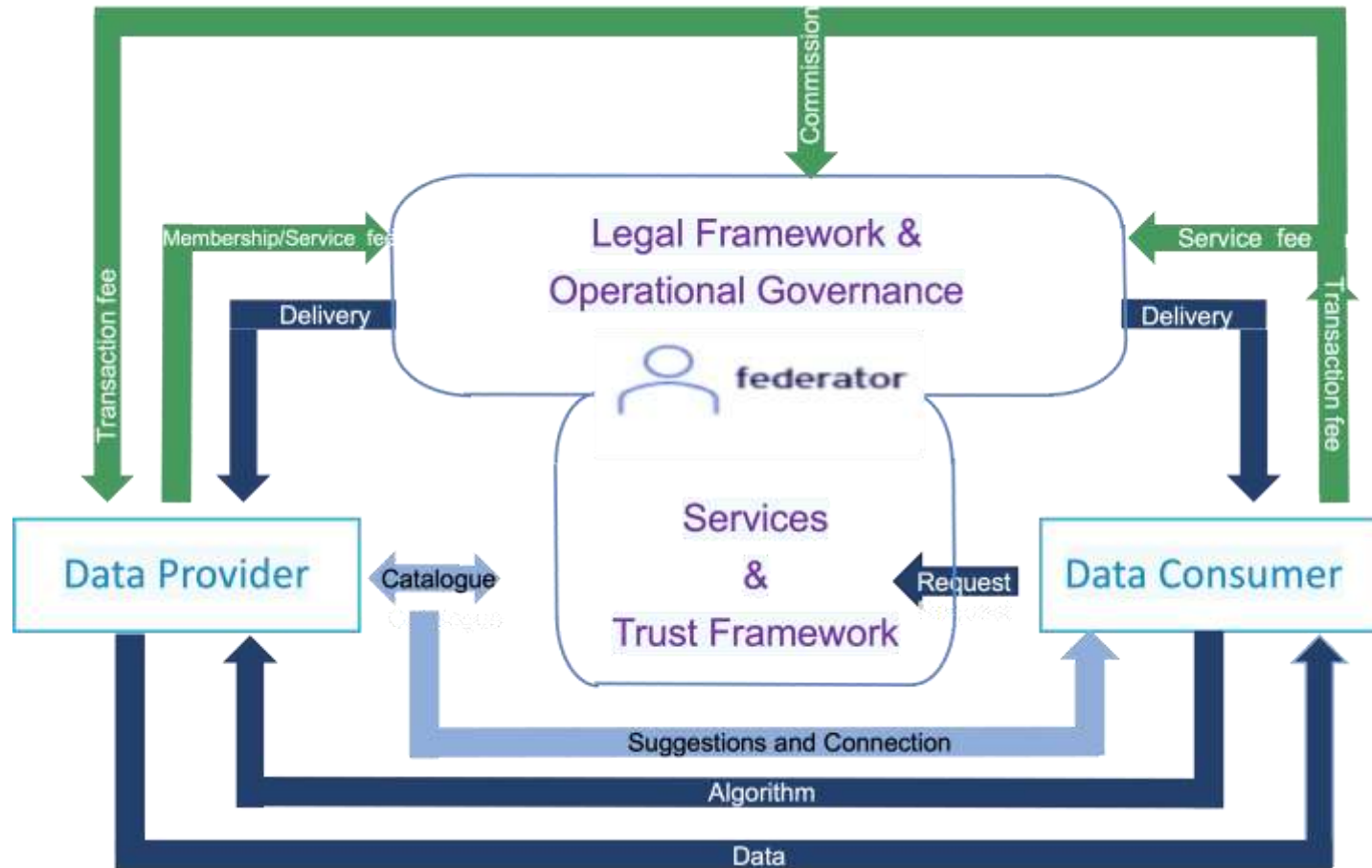


**Trusted
infrastructure**



**Innovative services
and data-driven
business models**

Let's Talk About Business Models



Data Sharing Creates Competitive Advantages



Competitive advantages

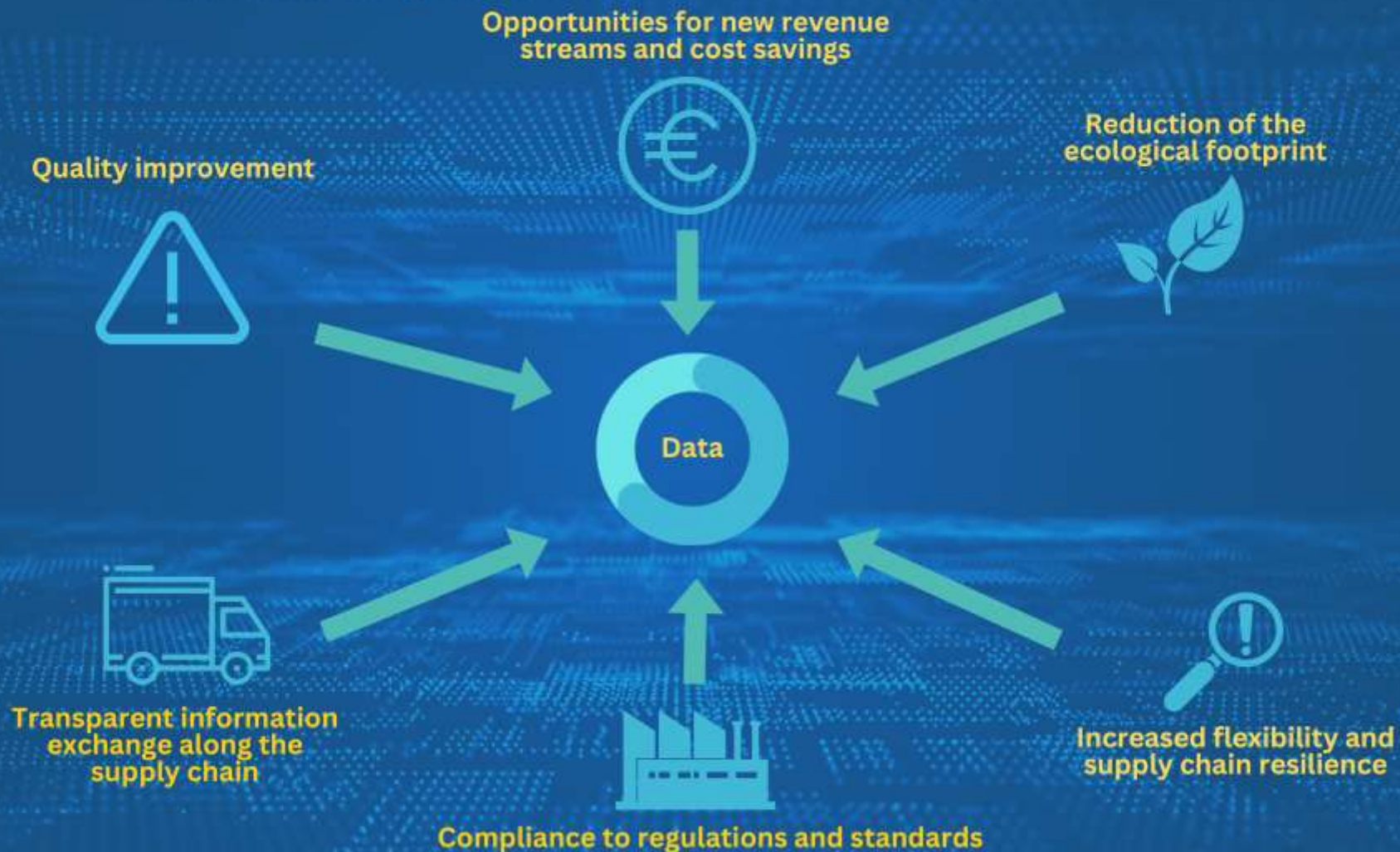
- ⇒ Cost and time savings
- ⇒ Reduction of downtimes
- ⇒ Reduction of scrap production
- ⇒ Energy efficiency
- ⇒ Resource optimization
- ⇒ Shift optimization

lead to

Company values

- ⇒ Technology
- ⇒ Market expansion / new customers
- ⇒ New value chains / supply chains
- ⇒ Resilience

Data sharing creates value for its stakeholders



Data Spaces Ready in Action

17:15 – 18:00



Ralf Hustadt



DATA&AI Director, NTT Data

#GaiaXSummit25

COOPERANTS – Lighthouse Data Space for Aeronautics and Space



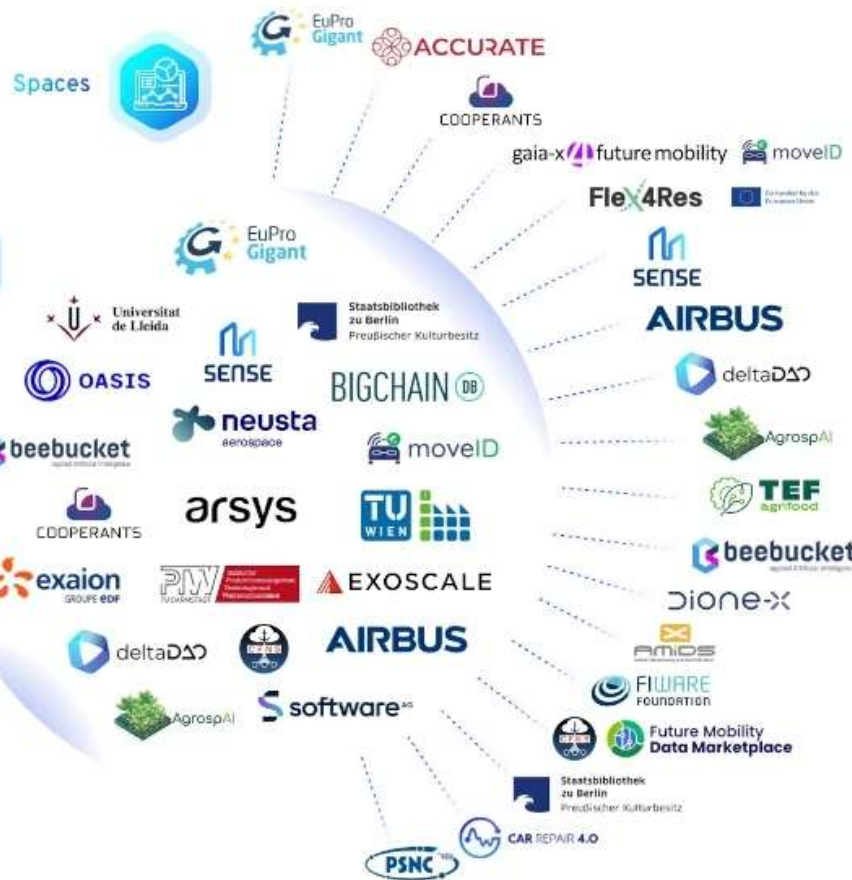
Arno Scheidereiter

CEO
neusta aerospace

#GaiaXSummit25

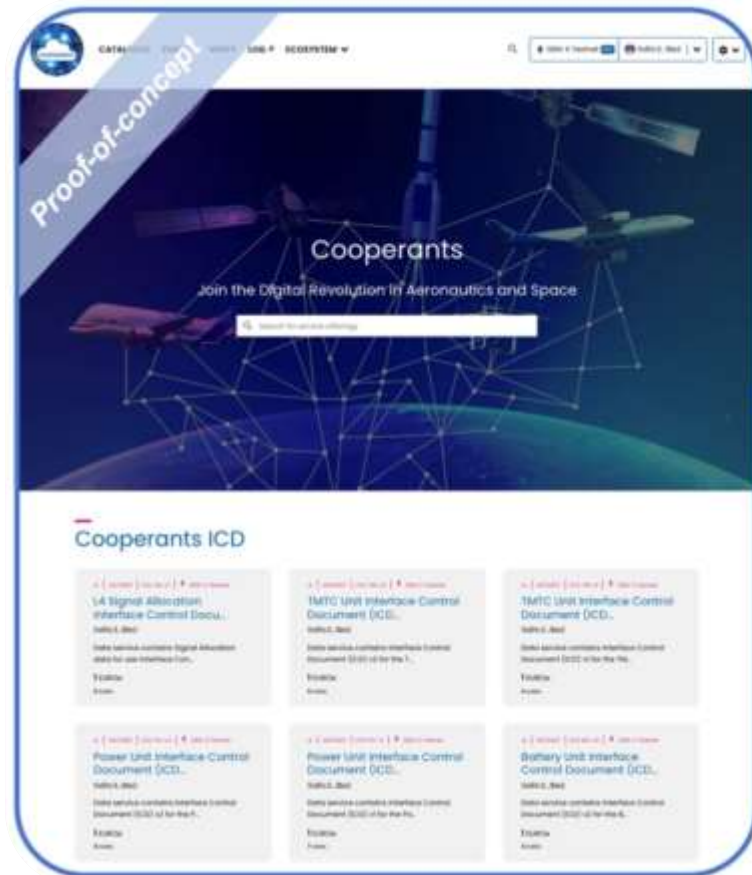


gaia-x

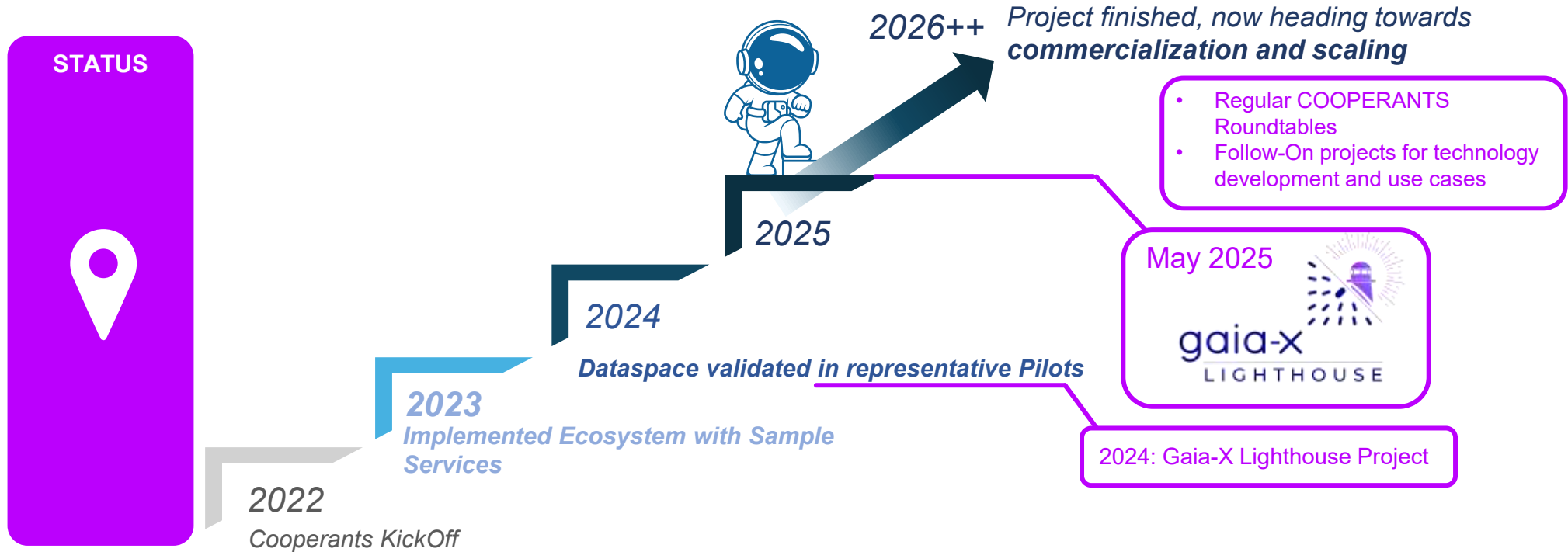


#GaiaXSummit25

COOPERANTS – Collaborative Engineering



COOPERANTS – Status & Roadmap



COOPERANTS – Way to Success



- Ca. 800 potential SME participants in Germany
- Scaling the ecosystem and facilitate onboarding
- Promote the value proposal

Keynote in the Partner Theater:

10:00–10:30 | “Way to Success – How to scale a Data Space and onboard a heterogeneous ecosystem in aerospace”

Networking Reception

18:00 – 19:00



Continue the day with a glass of wine and light refreshments in the Expo Area.

Dinner on the Boat

From 19:00 to 22:00, join us for an evening cruise along the beautiful Douro River. Please note that pre-booked registration is required, and only participants wearing the event bracelet will be allowed to embark. If you are unable to attend and wish to transfer your spot, please get in touch with a member of the Gaia-X team.