gaia-x

Gaia-X SUMMIT 2024

EMPOWERING GLOBAL DATA SPACES

SHAPING TOMORROW'S CLOUD INFRASTRUCTURE

Helsinki, Finland | 14 & 15 November

In partnership with gaia-x Hub Finland

Gaia-X Institute: Investigation of the Economics of Data-sharing & Automated compliance by design

09:30 – 10:30

Joelle Toledano, Professor Emeritus associated with the Governance and Regulation Chair, Paris Dauphine-PSL University, Member of the French National Digital Council

Lucas Eustache, PhD student, the Governance and Regulation Chair, Paris Dauphine-PSL

Jakob Rehof, Professor of Computer Science, TU Dortmund University

Pierre Gronlier, Chief Innovation Officer, Gaia-X

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

Investigation of the Economics of Data-sharing

Lucas Eustache, Ph.D student, the Governance and Regulation Chair, Paris Dauphine-PSL

Joelle Toledano, Professor Emeritus associated with the Governance and Regulation Chair, Paris Dauphine-PSL, Member of the French National Digital Council

Presentation of the Study

- Study on the Economics of Data Sharing initiated in 2023.
- 20 interviews (totaling 48 hours) covering various dimensions of the economics and dynamics of DSEs.
- Objective: Understand the economics of data sharing and data sharing ecosystems.
  - Study at the participant level, relying on a cost-benefit approach, focusing on the significance of use cases and value creation.
  - Study at the organization of data sharing, both at the data space and the use cases level
- This analytical framework has been developed iteratively thanks to the interviewees and the support and expertise of an advisory board of Gaia-X experts

The Actors of Data Sharing Ecosystem

- Participants: Mainly firms that are often both providers and users
  - Involved in the ecosystem to enhance the efficiency and develop their core activities
  - They both share and use data or develop services
- Orchestrator(s): it's an actor that coordinate the participants to develop use cases in the context of data sharing ecosystem, different types of orchestration exist:
  - Technical orchestration: Provides the technological infrastructure necessary for data sharing.
  - Strategic orchestration: Maximizes value creation, ensuring fair distribution of value and associated costs.
- Governance: where stakeholders use a set of rules, to align the interest and mitigate potential conflict

Data-Sharing Ecosystems: A Process of Innovation

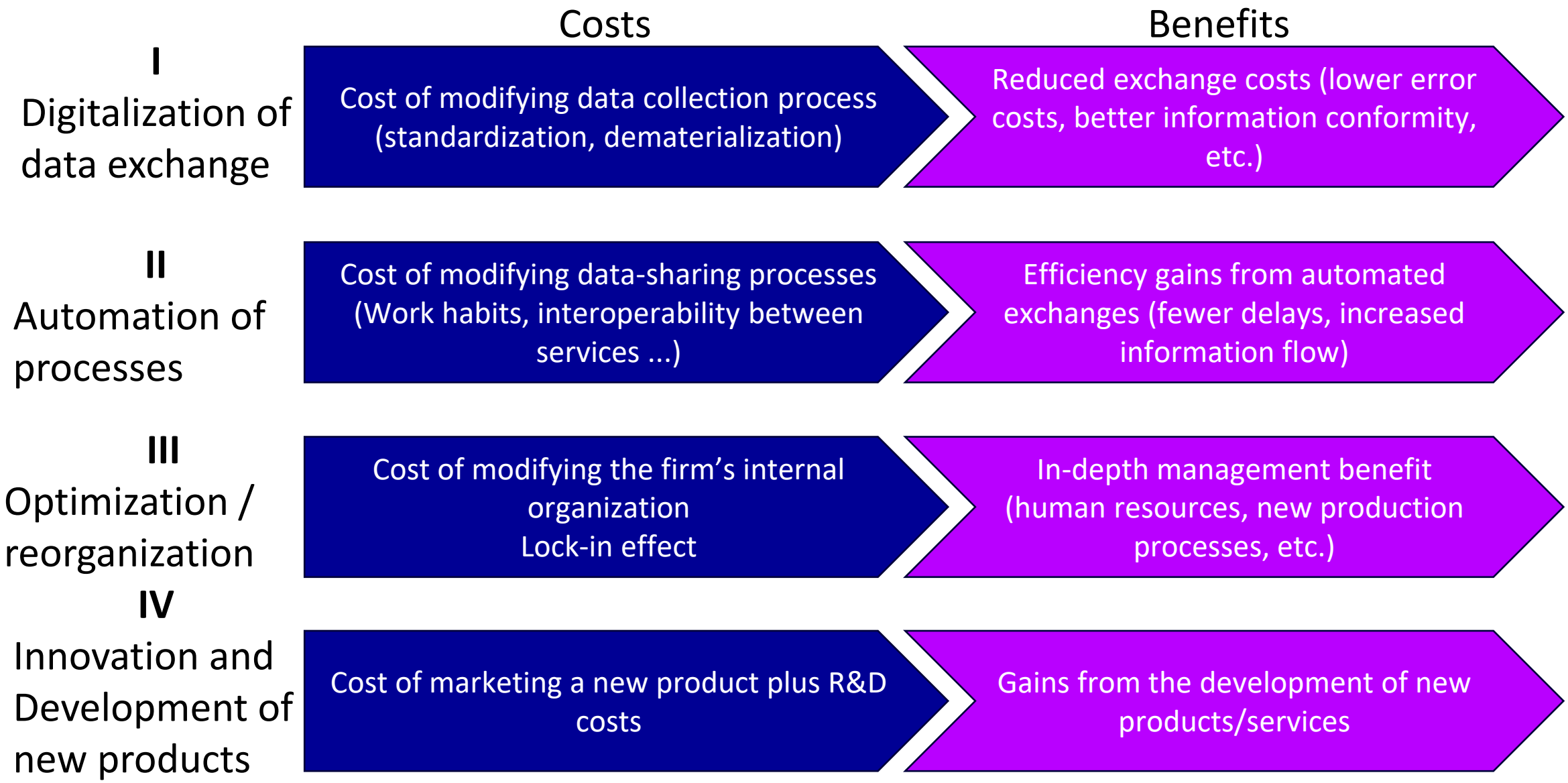
- Data sharing corresponds to a long-term process that involves the implementation of a set of technological and contractual agreement.
- Aim to implement use cases, meaning a collaborative value creation between a data user(s) and a provider(s) under the supervision of an orchestrator
- The gains from use cases, process digitization, learning effect, etc., correspond to a general innovation process that, in the long term, enables the overhaul of production processes and the discovery of new, innovative use cases.
- DSE are then characterized by: the need for a long-term strategic vision, with a need for initial investment and uncertainty.
- Data Sharing ≠ transaction that would establish a match between supply and demand around a price.

Data Sharing Ecosystem as a Club

- Data-sharing ecosystems function as clubs that unite diverse stakeholders and processes, with the goal of developing use cases through bilateral or multilateral data exchanges among participants.
- Data-sharing ecosystems aren’t data marketplaces; they are not about matching supply with demand around a price, importance of the onboarding
  - They must incentivize providers to join by absorbing set-up costs and assisting in the establishment of a viable business model for uses cases.
  - They must help users locate the providers that meets their needs while offering essential guarantees (e.g., security, compliance, etc.).
- The added value provided by the data-sharing ecosystem lies in the delivery of services that enable data sharing and the engineering of use cases

Economics of the Use Cases

- A use case is a specific application or solution that leverages data, technology, or processes to address a particular problem or need within one or several value chains (mainly Automation and Analytics Services).
- Use cases can provide varying levels of benefits, each of which is associated with certain costs:
  - The benefits range from traditional optimization gains through digitalization to innovation-driven gains.
  - Each benefit requires an integration cost, ranging from the digitalization of processes to the complete reorganization of value chains. These integration costs depend on the characteristics of the participants.
- Different conditions are required to realize these benefits:
  - A gradual, dynamic approach tailored to participants, allowing each to progress in ecosystem integration according to their data maturity and prior organization.
  - A strategically coordinated approach by the orchestrator, ensuring that all participants can extract direct value. The value created must be balanced with the costs incurred to incentivize full participation.


Costs
Benefits
I
Digitalization of data exchange
Cost of modifying data collection process (standardization, dematerialization)
Reduced exchange costs (lower error costs, better information conformity, etc.)
II
Automation of processes
Cost of modifying data-sharing processes (Work habits, interoperability between services ...)
Efficiency gains from automated exchanges (fewer delays, increased information flow)
III
Optimization / reorganization
Cost of modifying the firm's internal organization
Lock-in effect
In-depth management benefit (human resources, new production processes, etc.)
IV
Innovation and Development of new products
Cost of marketing a new product plus R&D costs
Gains from the development of new products/services

Orchestration of an Ecosystem

- Orchestration is the mission of coordinating the data-sharing ecosystem use case by use case :
- Orchestration is plural, it can be managed by multiple players within the same ecosystem (depending on the use case), who may have different profiles:
  - Within or outside the value chain / in a dominant or non-dominant position / with a public, private, or hybrid business model.
- Orchestration can be defined on a two-dimensional scale, based on:
  - The alignment of stakeholder interests.
  - The centrality of the orchestrator(s) within the value chain.
- The characteristics of orchestration depend on the phase the ecosystem is in (emergence, critical mass, expansion)

Economics of "Trust"

- “Trust” corresponds to the **mitigation of risks** associated with data sharing.
- It is necessary to mitigate two types of risks inherent to ecosystems.
  - The technological risk refers to the risk that data may be accessed or viewed by unauthorized individuals, as well as the risk of misuse of the data.
  - The risk related to the opportunistic behavior of the orchestrator: the more a participant is integrated into the ecosystem, the more dependent they become (lock-in effect). An orchestrator can exploit this dependence to extract more value.
- These risks depend on the nature and sensitivity of the data provided, or the use case, as well as the level of integration of participants within the ecosystem.
- Participants will only join and create use cases if the benefits outweigh the risks; therefore, creating trust by design is a crucial solution, that need to be confirmed dynamically.
  - Technological solution; smart contracts, federated learning etc., can improve “trust”.
  - “Trust” by design (Data mesh, neutral intermediary..), yet business model question

Main Take-aways

- Data-sharing ecosystems can be viewed as clubs facilitating the development of provision of automation and analytics services supporting value creation use case by use case.
- Data-sharing ecosystems should be analyzed dynamically since the challenges to be faced differ across the phases of the life cycle of innovation.
- The benefits for participants in an ecosystem are sequential, ranging from the most direct to the most indirect, and involve reorganization costs.
- The dynamic and shape of data-sharing ecosystem is depending on the value chain structure:
  - Homogeneity and complementarity among stakeholders' needs.
  - Complexity and atomicity.
- Orchestration of the ecosystem can be technical and/or strategic,
  …and must focus on a diversity of challenges,
  …and a variety of business models
  in function of the phases of development of the uses cases and of the strategic challenges characterizing the value chain

Economic Theater: Economy of Use Cases

- Digital Ter-X
- EuProGigant
- Pontus – X
- Dynamo
- FutureCraft Open-Source Habitats
- International theater with initiatives from Slovakia, Portugal, Finland, France, Germany, Belgium, Italia

Economic Theater *Chatham House* Feedback

- A heterogeneous group of participants : difficult to generalize feedback
- The technical focus was striking, yet the focus should now be on value creation
- Developing use cases, which should rely on ongoing projects of general interest
- Need to showcase direct benefit for participants, as part of the overall need for an appropriate onboarding
- Need for technical tools for sure, yet tailored to participants' needs and resources
- Need to check if the ecosystem business model benefits participants
- Ecosystem should be structured around use cases, not the reverse !
- Thank you to all the participants, your efforts, and for your implication

Thank you!

Lucas Eustache, Ph.D student, the Governance and Regulation Chair, Paris Dauphine-PSL

Joelle Toledano, Professor Emeritus associated with the Governance and Regulation Chair, Paris Dauphine-PSL, Member of the French National Digital Council

Appendix

Stage	Emergence	Critical Mass	Expansion
Definition	Initial operational use case is implemented, establishing the ecosystem's foundation.	Achieve sufficient activity levels to ensure ecosystem viability.	Expand ecosystem boundaries by adding new participants and use cases.
Focus	- Establish governance. - Finance infrastructure and first use case.	– Extracting value(e.g., subscriptions, pay-per-use). – Keep people engaged	- Integrate new members (enrichment). - Attract new participants and value chains (enlargement).
Financing	- **Orchestrator/Key Participants**: Effective, but risky for others. - **Public Subsidies**: Trust-building but requires commitment. - **Hybrid Model**: Balanced approach.	- **Direct Value Capture:** - Subscription - Entry Fees - Pay-per-use - **Indirect Value Capture**	- **New Funding/Cross-Subsidies**: To reduce adoption costs. - **Strategic orchestration** to align costs and benefits.
Challenges	- Attract members, provide short-term benefits, and establish long-term vision.	- Ensure sufficient activity and sustainable value capture.	- Manage risks (e.g., lock-in, data misuse). - Maintain neutrality to align diverse interests.

Automated Compliance by Design

Jakob Rehof

Professor

TU Dortmund, Fraunhofer-ISST, Lamarr Institute for ML and AI

The ACbD Equation

- Automated compliance is necessary for making regulation compatible with innovation
- Automation has inherent limitations
  - Legal system has essential human components (e.g. judges)
  - Uncomputability
- **Automated Compliance by Design =**

  Compliance by Design + Design for Automation
- Design (tools, infrastructure, and governance structure) can help automation
  - Frameworks: *Gaia-X Trust Framework*
  - Trusted components (e.g. smart contracts)
  - Programming and verification technology

The 800 Pound Gorilla in the Room

- AI as driver for data sharing in data ecosystems
- Interactions between Data Acts and AI Act
- AI as driver for compliance automation

Image by ChatGPT (OpenAI)

Plaidoyer for EU Research

- EU should be leading in R&D on data spaces/ecosystems and trustworthiness
  - We care about it more than anyone else
  - We are good at it
- EU should initiate massive ramp up on R&D enabling innovation for data sovereignty and trustworthy systems
- What could a „CERN for trustworthy AI“ look like?

Thank you!

Automated Compliance

Pierre Gronlier

Chief Innovation Offier

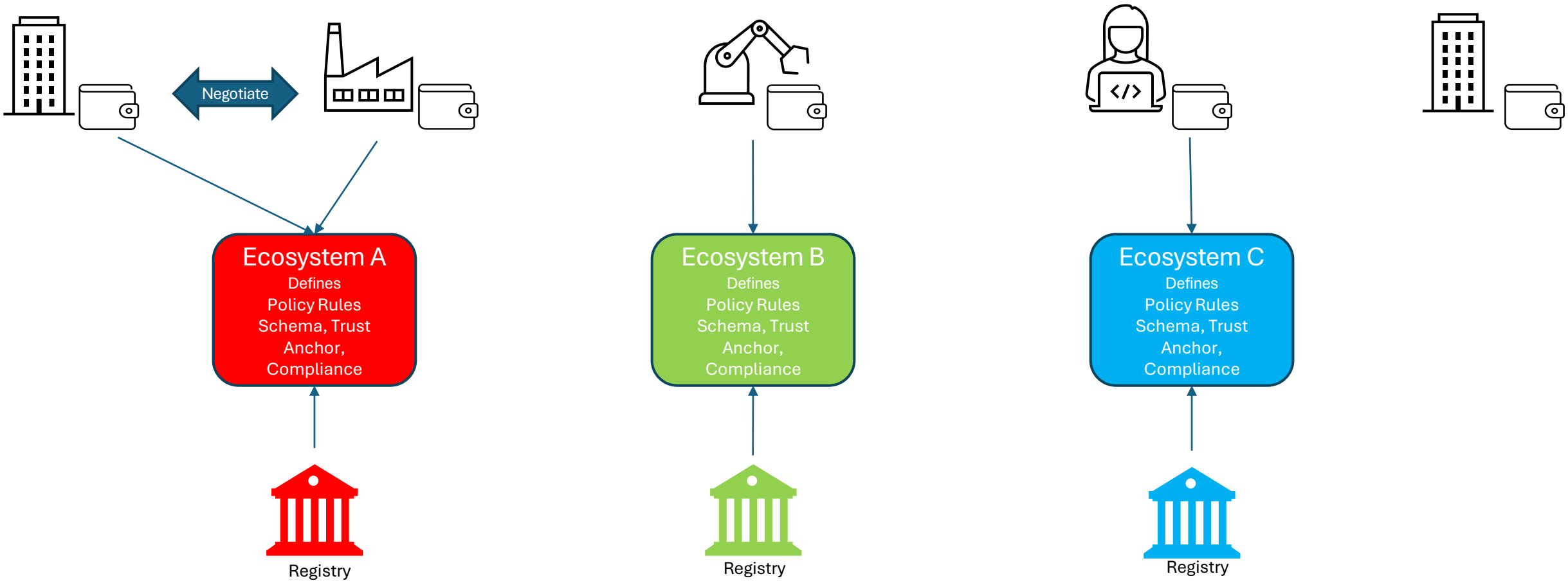
Gaia-X

Why “automating” compliance ?

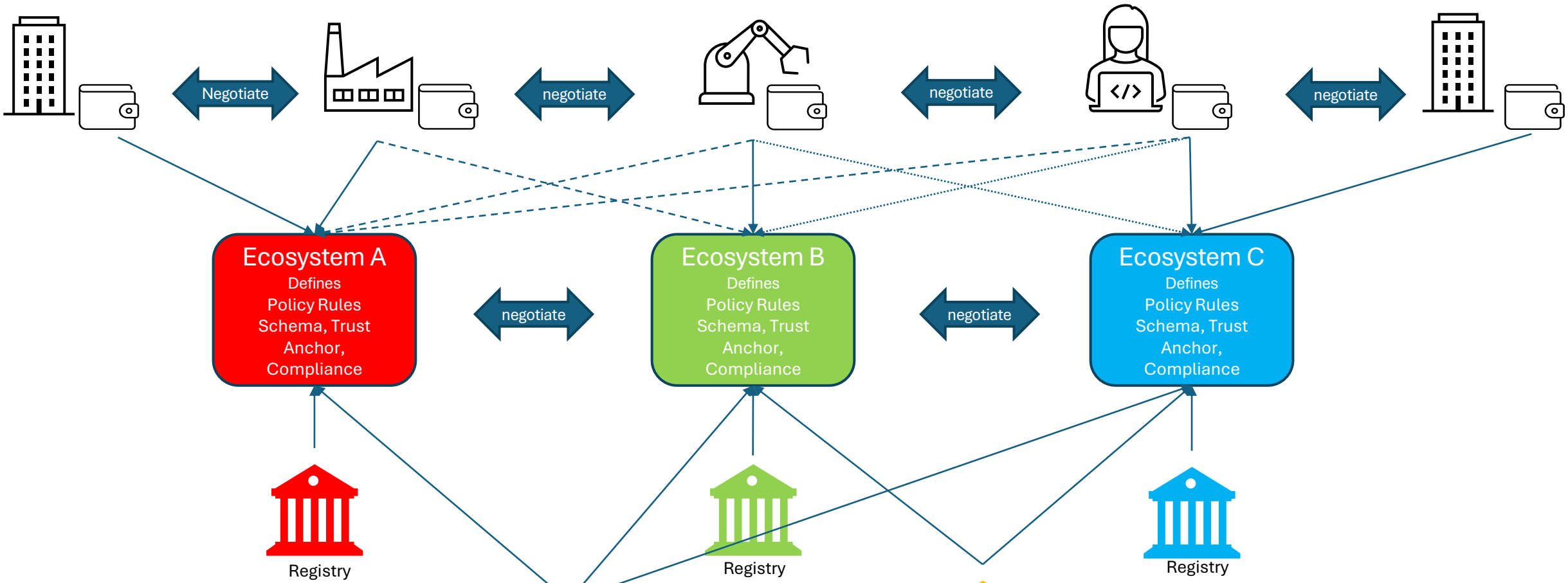
The market size of regulatory compliance is evaluated to be between 15 to 17 billion USD in 2023, with an expected annual growth of between 6% and 9%.

1. https://www.grandviewresearch.com/horizon/outlook/regulatory-affairs-market-size/global
2. https://www.marketgrowthreports.com/enquiry/request-sample/22382791

What is a Trust Anchors (TA) ?



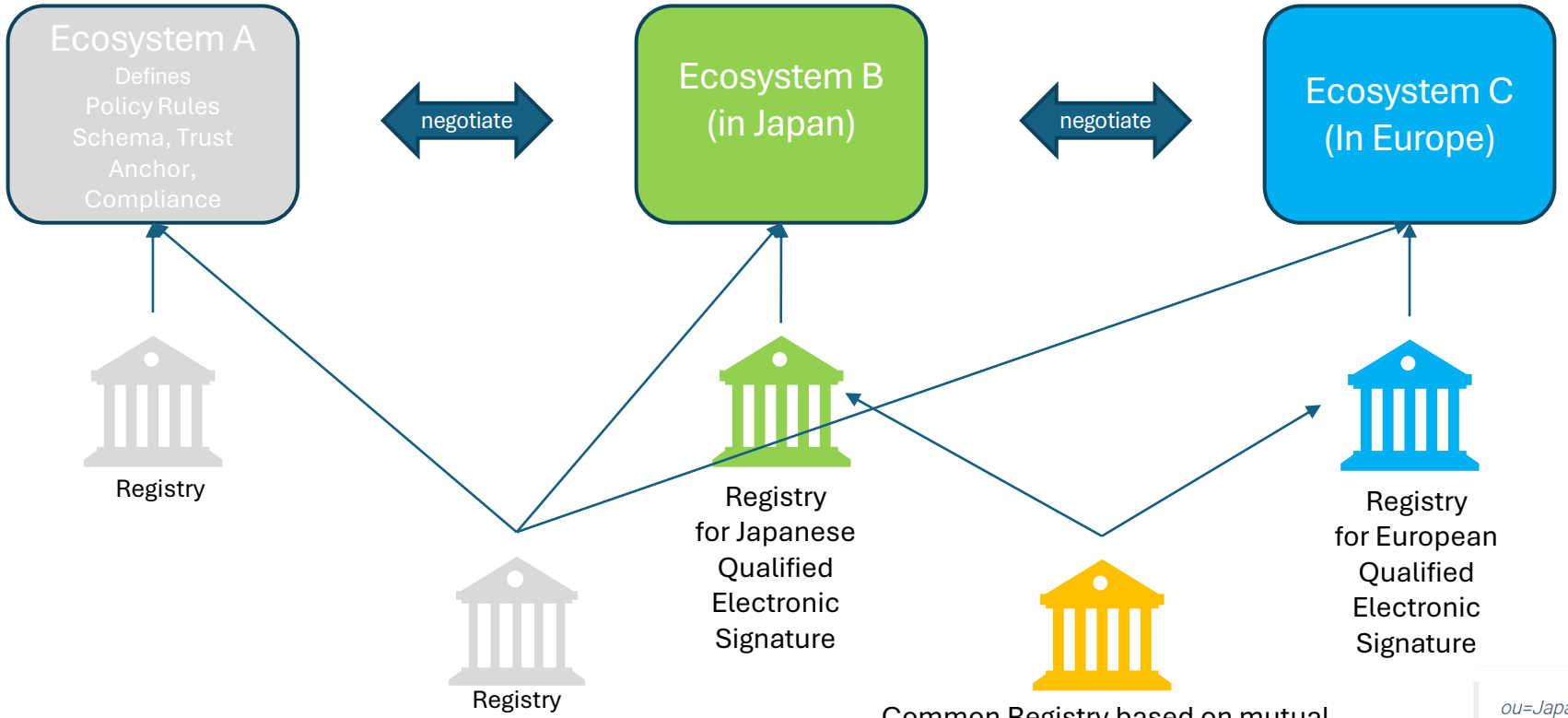
How to build interoperable ecosystems/dataspaces ?



Common (e.g. availability of a digital ID) / future positioning of Gaia-X

Domain Specific (e.g. compliance to specific regulation or standards)

How to build interoperable ecosystems/dataspaces ?



Common Registry based on mutual recognition of qualified electronic signatures (https://ec.europa.eu/commission/presscorner/detail/en/ip_23_5378)

Ex: My Number Card' (マイナンバーカード)
Ex: eIDAS

ou=Japan Agency for Local Authority Information Systems
ou=JPKI for digital signature
o=JPKI
c=JP

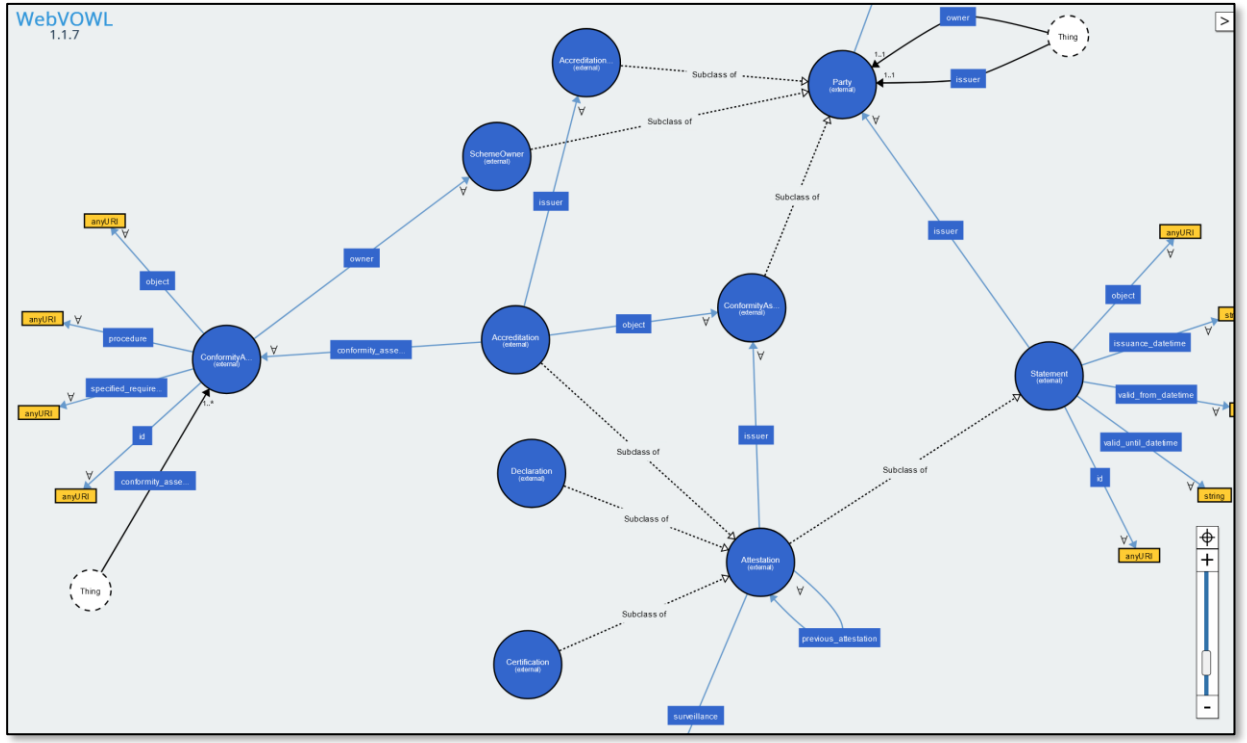
Alternatively:

ou=地方公共団体情報システム機構
ou=公的個人認証サービス署名用
o=公的個人認証サービス
c=JP

Gaia-X is going for ISO standardisation

Gaia-X as lead contributor on the

Eclipse Conformity Assessment Policy and Credential Profile (Eclipse CAP)



https://eclipse-dataspace-cap.github.io/

Thank you!

Nordic-Baltic Perspectives

10:30 – 11:30

‘X-Road 8 “Spaceship” – converting public sector data ecosystem into a data space in a backwards-compatible manner

- **Petteri Kivimäki,** CTO, Nordic Institute for Interoperability Solutions

The Estonian Public Administration Approach to Data Spaces

- **Kuldar Aas,** Data Governance Programme Lead, Ministry of Economic Affairs and Communications for Estonia

Maritime Data Space as an enabler for Virtual Port Arrivals

- **Eliisa Sarkkinen,** Lead Service Designer & Delivery Lead, Siili Solutions

BESPORT ecosystem – Dataspace for decarbonised global ports

- **Henna Suomi,** COO, IOXIO

From Space to Fields – Agri-food data crosses borders

- **Jaana Sinipuro,** CEO, DataSpace Europe Ltd

X-Road 8 ”Spaceship” - Converting Public Sector Data Ecosystem into a Data Space in a Backwards-Compatible Manner

Petteri Kivimäki

CTO, Nordic Institute for Interoperability Solutions (NIIS)

DIGITAL SOCIETY SOLUTIONS AND CROSS-BORDER COOPERATION

Nordic Institute for Interoperability Solutions

Non-profit association to ensure the development and strategic management of X-Road® and other cross-border solutions for digital government infrastructure.

niis.org

X-ROAD®

Open-source software and ecosystem solution that provides unified and secure data exchange between organisations.

x-road.global

Harmony eDelivery Access

A free and actively maintained open-source component for joining one or more eDelivery policy domains.

edelivery.digital

X-ROAD®
DATA EXCHANGE LAYER

X-Road® is open-source software and ecosystem solution that provides unified and secure data exchange between organisations.

X-Road® is licensed under the MIT open-source license and is a digital public good verified by the Digital Public Good Alliance.

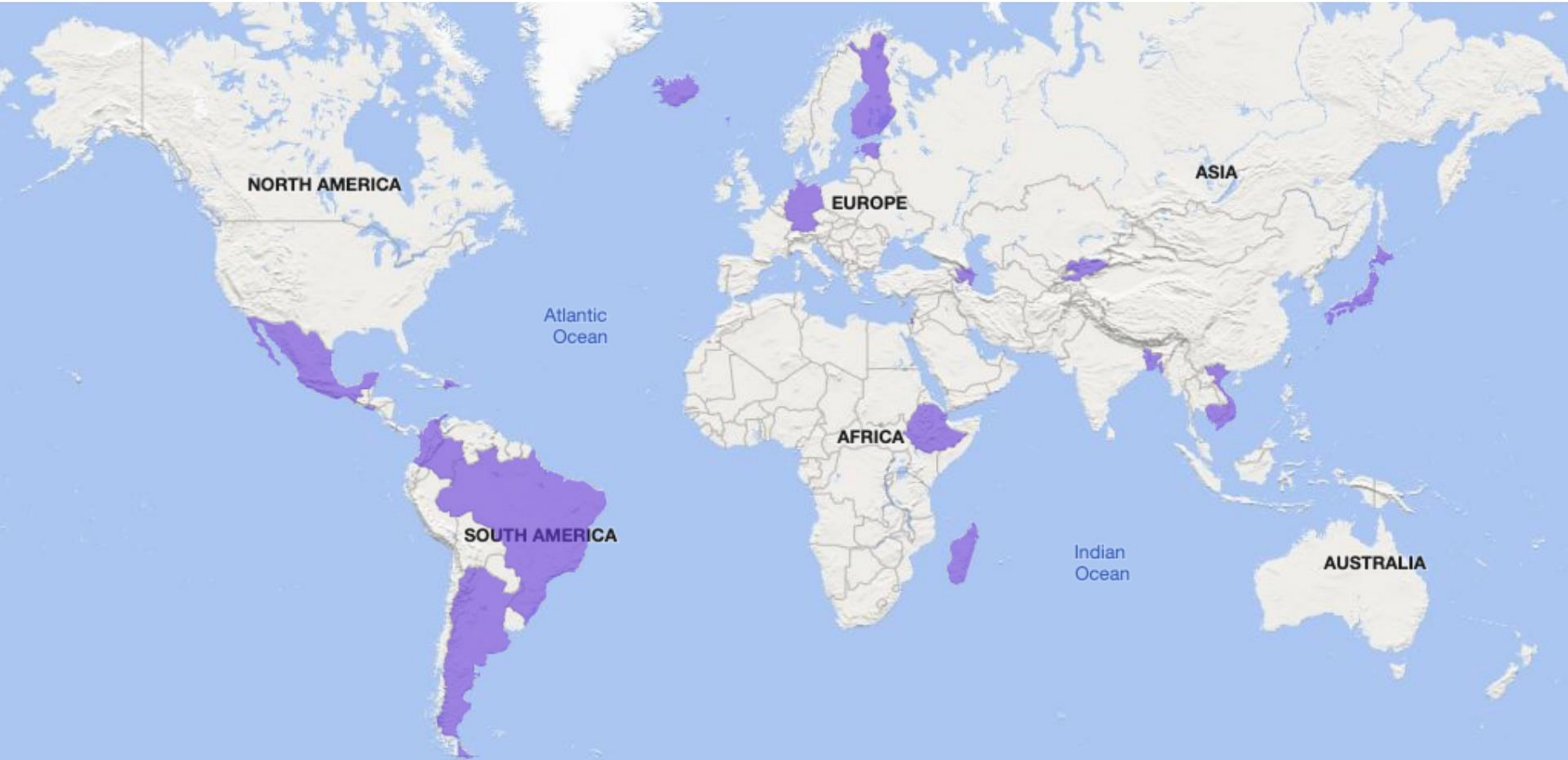
25
ECOSYSTEMS
DEPLOYED BY GOVERNMENTS OR OTHER ORGANISATIONS

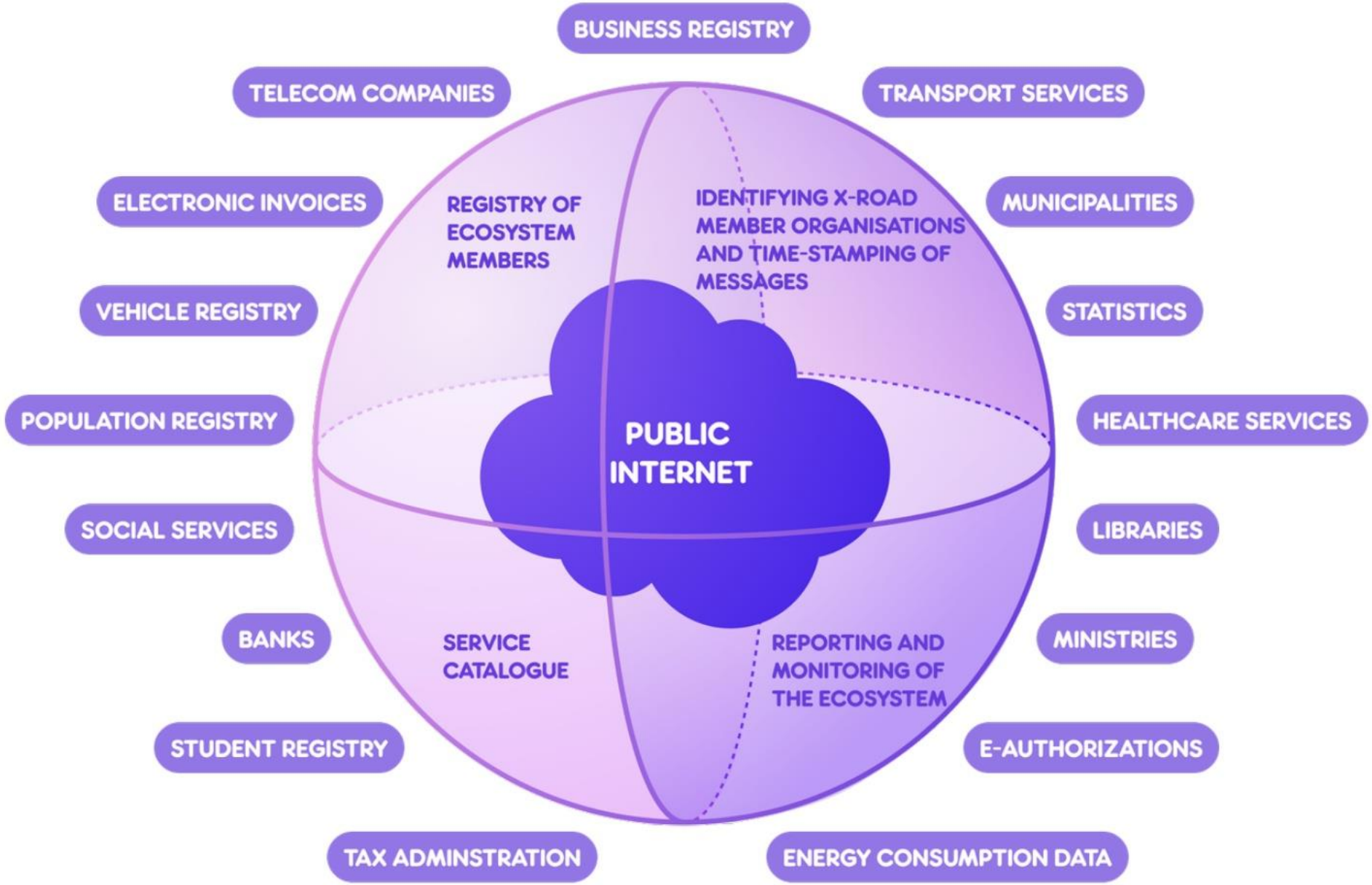
160
COUNTRIES
REPRESENTED IN THE X-ROAD COMMUNITY

4200
MEMBERS
PARTICIPATING IN THE X-ROAD COMMUNITY

542M
END USERS
WORLDWIDE

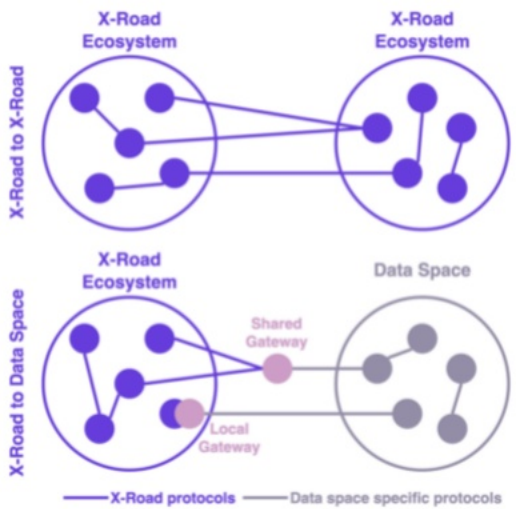
COUNTRIES WITH X-ROAD ECOSYSTEMS




BUSINESS REGISTRY
TELECOM COMPANIES
TRANSPORT SERVICES
ELECTRONIC INVOICES
MUNICIPALITIES
VEHICLE REGISTRY
STATISTICS
POPULATION REGISTRY
HEALTHCARE SERVICES
SOCIAL SERVICES
LIBRARIES
BANKS
MINISTRIES
STUDENT REGISTRY
E-AUTHORIZATIONS
TAX ADMINSTRATION
ENERGY CONSUMPTION DATA
REGISTRY OF ECOSYSTEM MEMBERS
IDENTIFYING X-ROAD MEMBER ORGANISATIONS AND TIME-STAMPING OF MESSAGES
SERVICE CATALOGUE
REPORTING AND MONITORING OF THE ECOSYSTEM
PUBLIC INTERNET

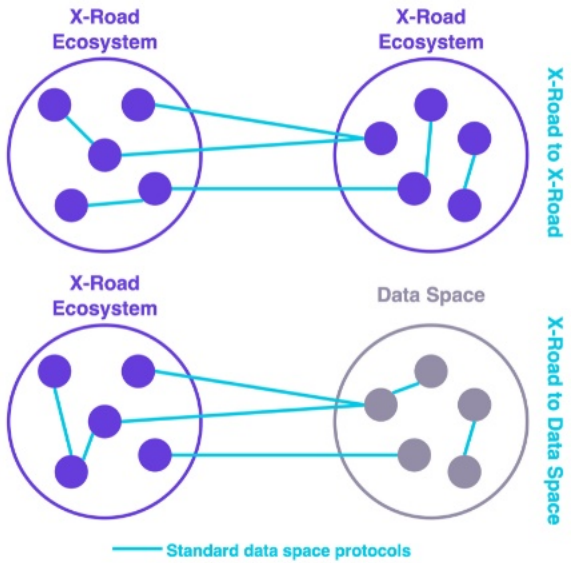
TOWARDS A DATA SPACE SOLUTION

TRANSITION TO A DATA SPACE TECHNOLOGY



Current state

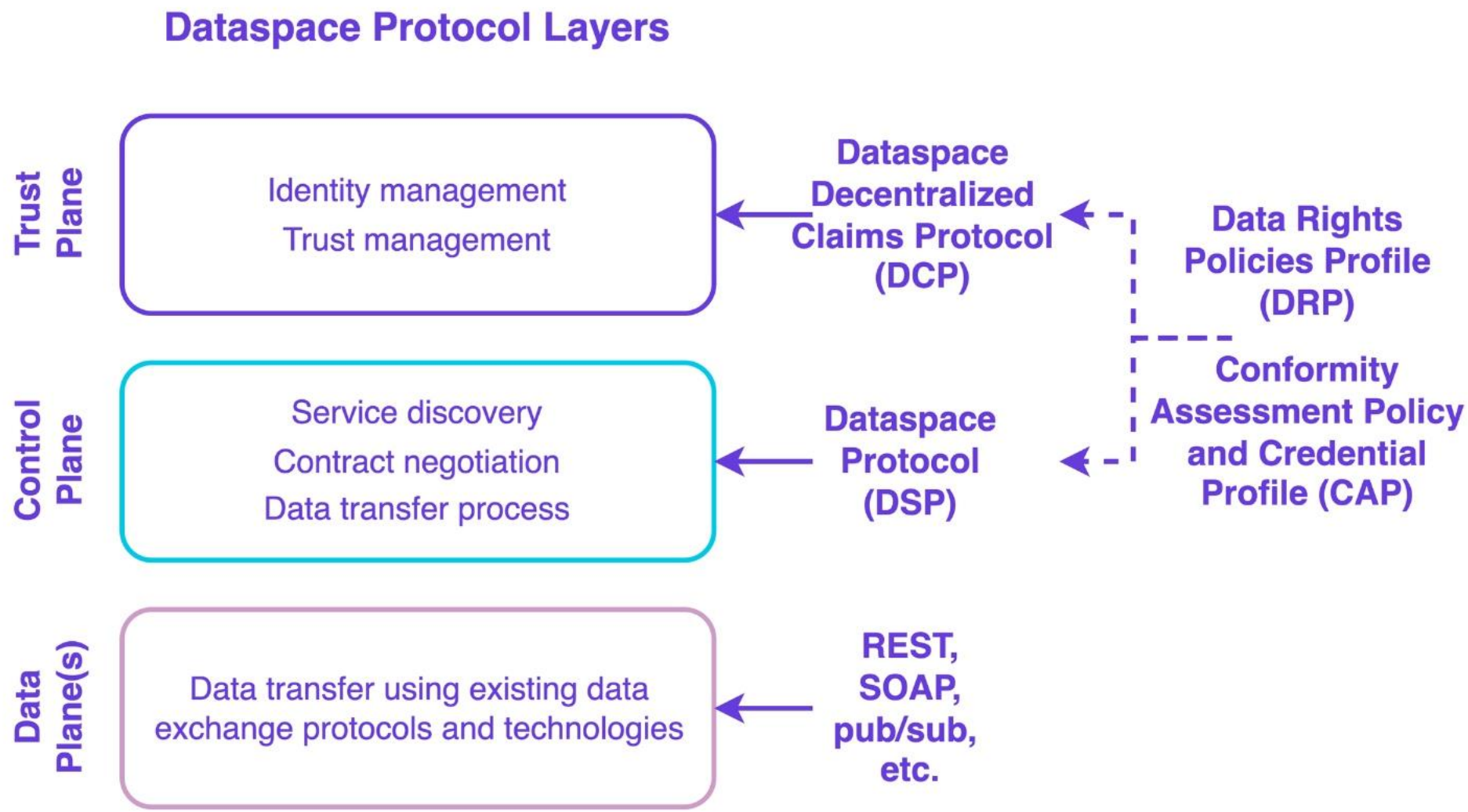
X-Road has its own custom protocol stack and being interoperable with other data exchange ecosystems requires building and maintaining custom ecosystem-specific gateway solutions. NIIS is alone responsible for maintaining and developing X-Road.



Target state

X-Road uses the standard data space protocols and is interoperable with other data exchange ecosystems following the same standards and specifications. X-Road is based on existing open-source components that are maintained by their international developer communities. NIIS contributes to the maintenance, but the main focus is in developing new business features for the NIIS members.

THE DATA SPACE PROTOCOL STACK



X-ROAD 8 “SPACESHIP”

The X-Road 8 “Spaceship” nurtures the proven ecosystem model and security while it takes X-Road to the next level by providing a solid data space infrastructure.

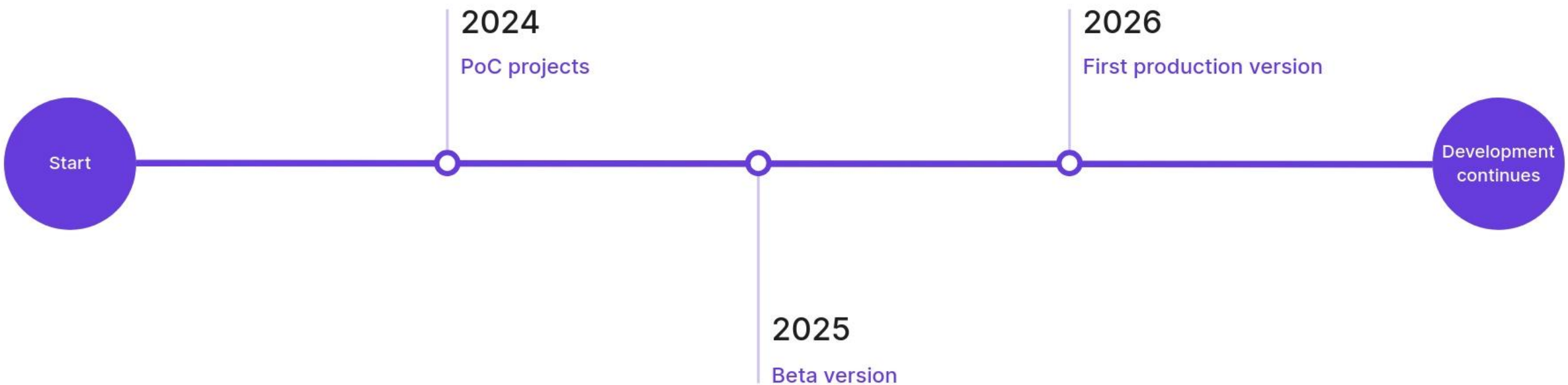
NIIS aims to replace X-Road’s custom protocol stack with the data space protocol stack and align X-Road’s trust framework with the Gaia-X trust framework. X-Road 8 will be interoperable with other data spaces and data exchange ecosystems following the same specifications.

X-Road 8 will provide improved cloud compatibility and make using X-Road easier in the cloud. In practice, X-Road 8 will be designed and built to leverage the capabilities and advantages of cloud computing environments. X-Road 8 will be built to run in cloud infrastructures and take advantage of the scalability, flexibility, and resilience that cloud platforms offer.

Light context will be a new feature that provides a more lightweight way to consume services without a Security Server on the consumer side. Service providers will be able to decide which services can be accessed using the light context and which services require a consumer Security Server.

The aim is to ensure smooth integration with previous X-Road versions for backwards compatibility, and minimize the changes required for information systems when transitioning to X-Road 8.

X-ROAD 8 TIMELINE



X-Road 8 is implemented iteratively using agile software development methods.
All the changes are not included in the first production version, but they will be introduced one by one over time in various X-Road 8 minor versions.

Thank you!

Petteri Kivimäki
petteri.kivimaki@niis.org

Nordic-Baltic Perspectives

Estonian Public Administration Approach to Data Spaces

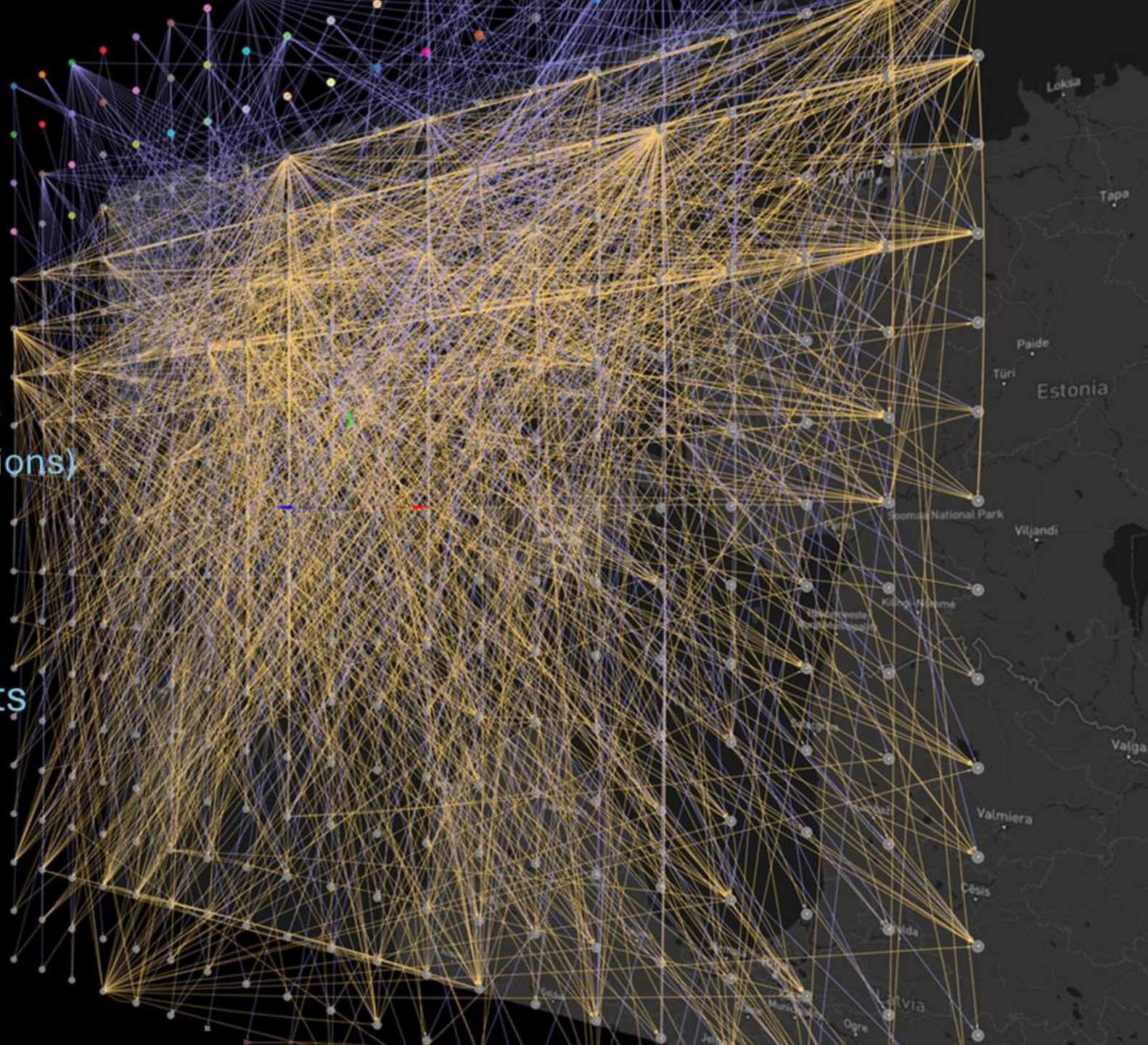
Kuldar Aas

Data Governance Programme Lead

Ministry of Economic Affairs and Communications of Estonia

X-Road

- Live since 2001
- 844 connected organisations
  - (52 000 indirect user organisations)
- 1 814 connected information systems providing access to 3 439 services
- 270+ million monthly requests

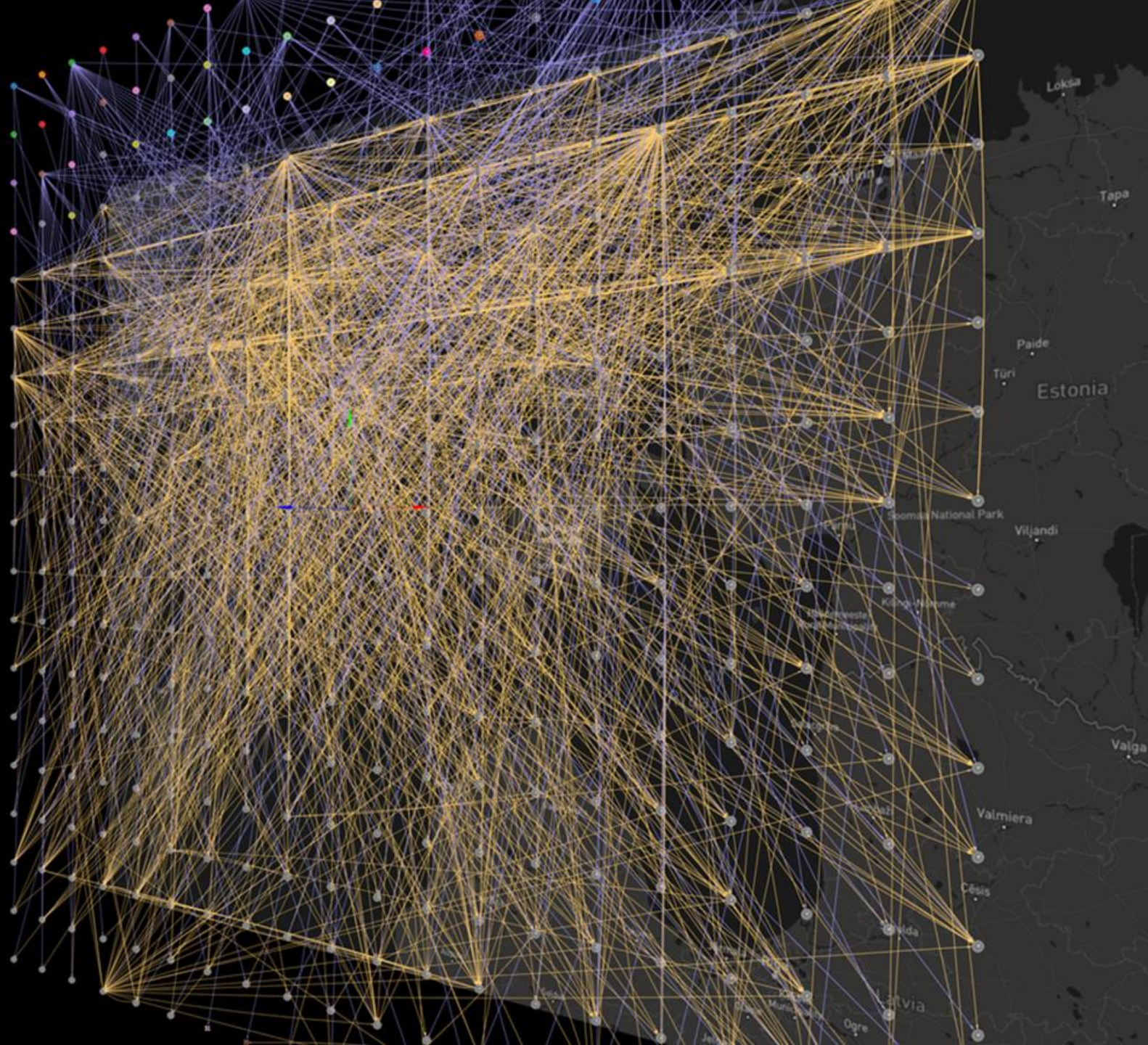


https://www.x-tee.ee/factsheets/EE/#eng

X-Road: vision

X-Road (v8) to serve as the secure data exchange platform:

- between Estonian information systems (as-is)
- **to enable novel data sharing patterns and models**
- **to enable data sharing with international partners, incl data spaces**



Lessons learned

- **Backwards compatibility:** Implementing a data exchange platform is easy. Migrating 3439 services (involving 844 individual institutional struggles) is not.

- **Security:** Setting strict (national) security requirements is easy. But what is the cost of enforcing these for everyone involved?
  - Beyond current experiences: can we trust international parties connecting to X-Road services through other networks? Do we have sufficient legal interoperability to support trusted cross-border data exchange?

- **Scalability vs functionality:** responding to a query is easy. Doing it a million times daily sets some requirements both on your system and the platform..

Gaia-X Hub Estonia?

Thank you!

Kuldar Aas, kuldar.aas@mkm.ee

Nordic-Baltic Perspectives

Q&A

Maritime Data Space as an enabler for Virtual Port Arrivals

Eliisa Sarkkinen

Delivery lead of the VPA project
Business & Service Design Team Lead

Siili Solutions

Virtual Port Arrival

gaia-x

> “Seldom we have moments where gaining money aligns with saving the planet”
>
> Kälvinmäki Miikka, Siili’s customer, Fintraffic VTS

Estimations of monetary savings in total

45 M€

In 2022 / in Finland

CO2 emission savings in total

> 24 %

Virtual Port Arrival solution aims at cutting emissions for vessels arriving at the port when expecting a delay at service.

Case example **siili.com/maritime**

SIILI®

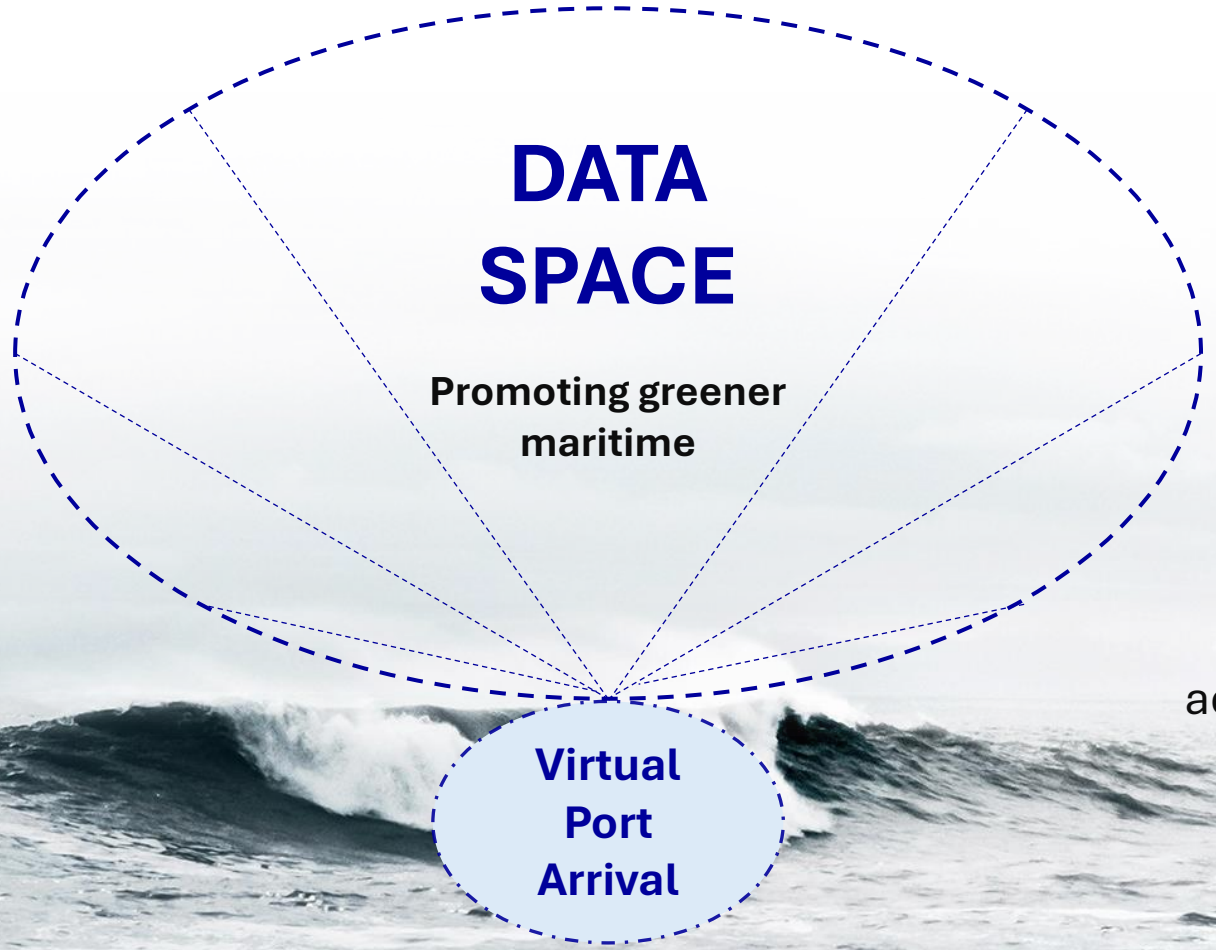
Maritime Data Space as an enabler for Virtual Port Arrivals

gaia-x

Supports complex multi-stakeholder processes

Adapts to various contract types

Enhances situational awareness by shared estimations



Establishes a solid ground for trust

Improves operational efficiency

Fosters transparency across the logistical chain

SIILI®

Thank you!

Eliisa Sarkkinen
Tel: +358 50 324 4983, Email: eliisa.sarkkinen@siili.com

LinkedIn

BESPORT ecosystem

Dataspace for decarbonized maritime ports

Sea Freight Emissions
WAYBILL NR
AZ3731076

Freight type
Palletized
GHG Intensity CO2e
102.2 kg g/CO2e/km

Henna Suomi

COO, standardization lead

IOXIO

Maritime ports play a crucial role in advancing sustainability and efficiency within global logistics and trade

BESPORT ecosystem partners sharing data for

optimizing the ship and cargo turnaround times in the port

Improve the ability to share and utilize data from cargo handling machines, and port operations to develop new digital and sustainable services and especially new business value and performance for the whole port ecosystem.

facilitating port electrification and carbon neutral logistics

Support the transition to electric fleets by providing better data for simulations, optimizing charging, and comparing emissions.

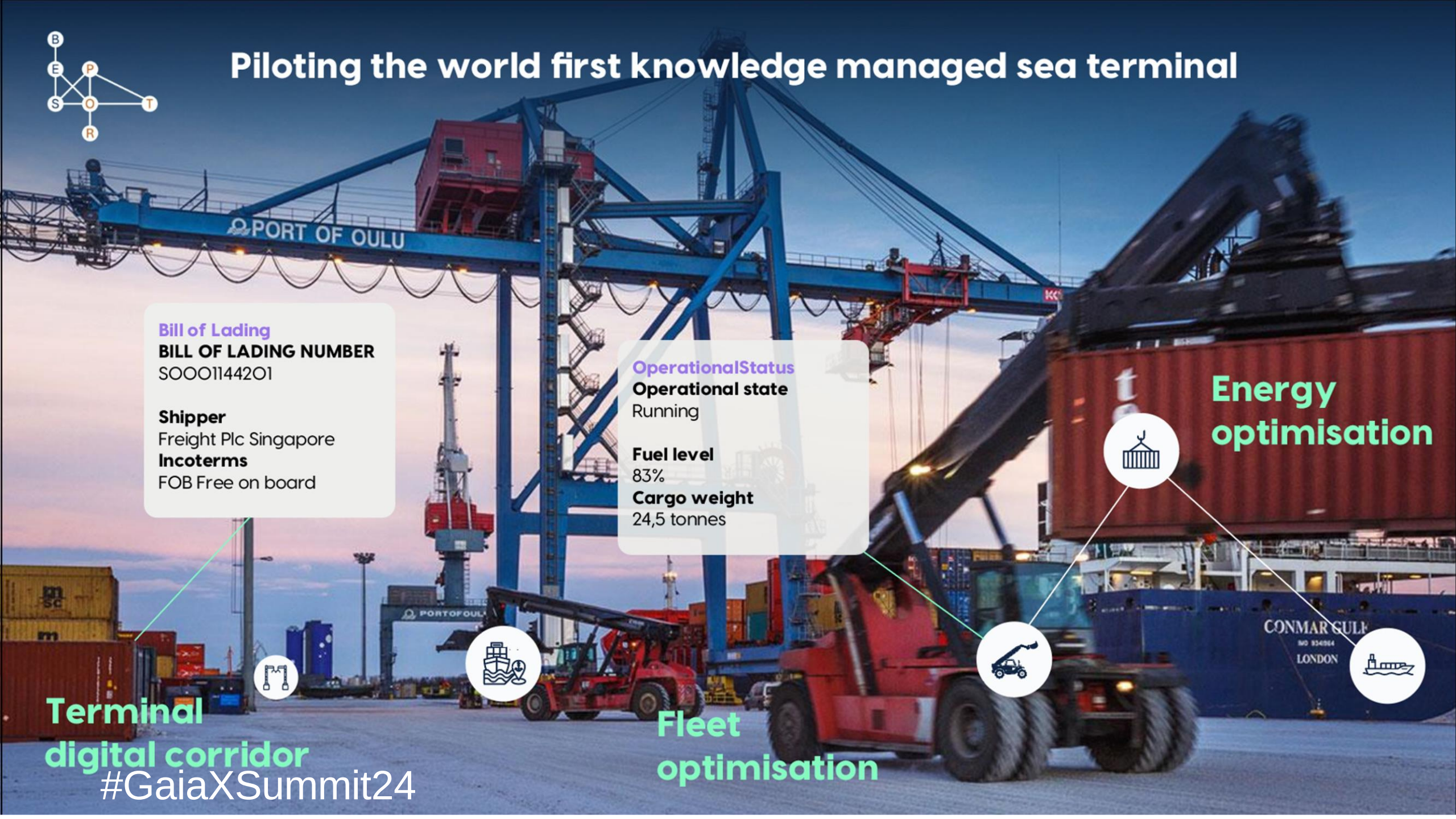
enhancing business driven decision making

Use comprehensive data to refine simulations, improve cost-benefit analyses, and drive informed decisions in port and fleet operations.

Kalmar · PORT OULU · RAUANHEIMO · VISY · awake.ai · VTT · Fintraffic

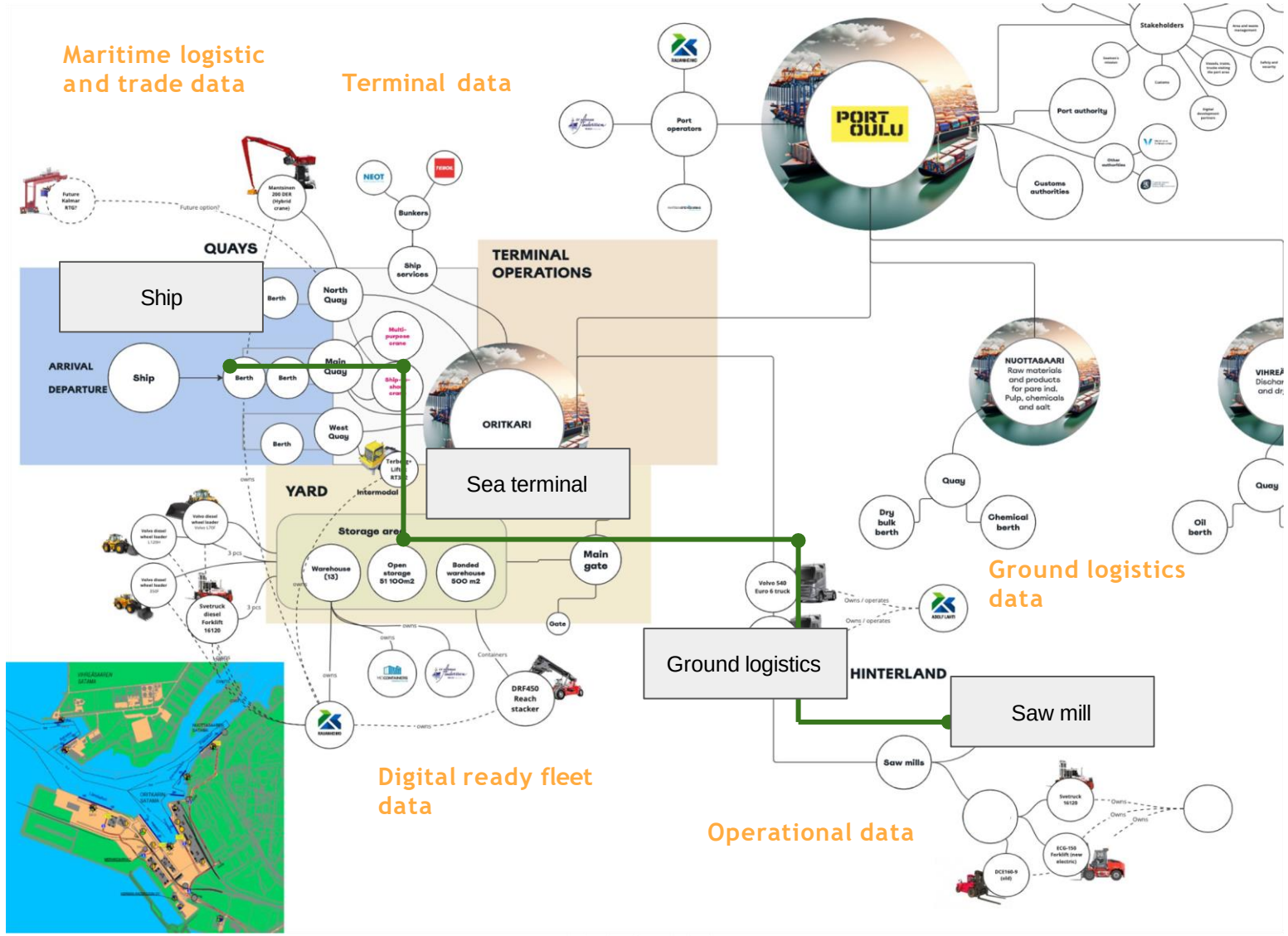
IOXIO **data intermediary service as an enabler**

Piloting the world first knowledge managed sea terminal

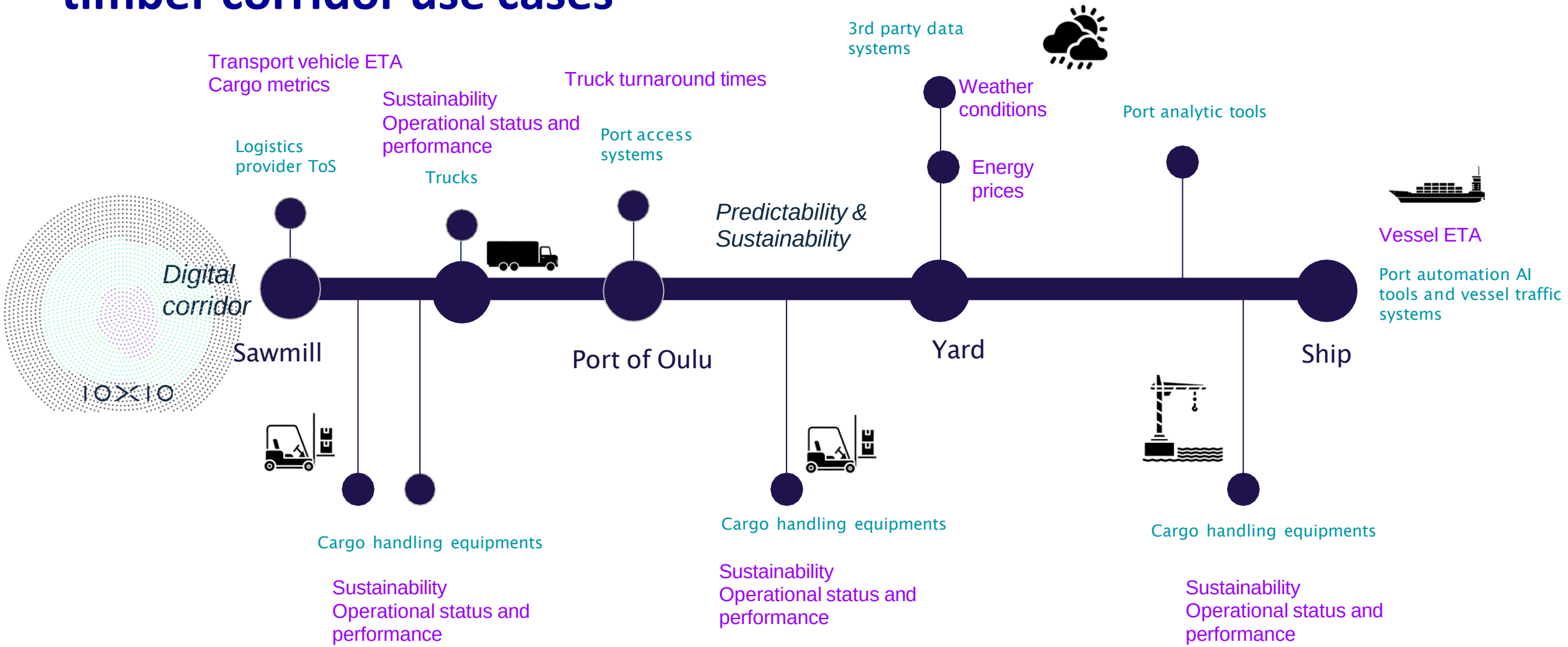


#GaiaXSummit24

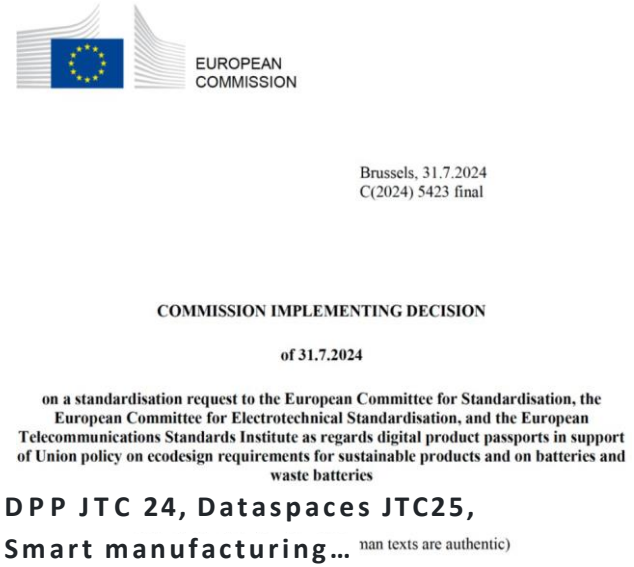
Connecting the first timber corridor in the Port of Oulu



Productized data sharing as the enabler for digitalizing the timber corridor use cases



Link to EU standardization and data requirements set by the regulations



EUROPEAN COMMISSION

Brussels, 31.7.2024
C(2024) 5423 final

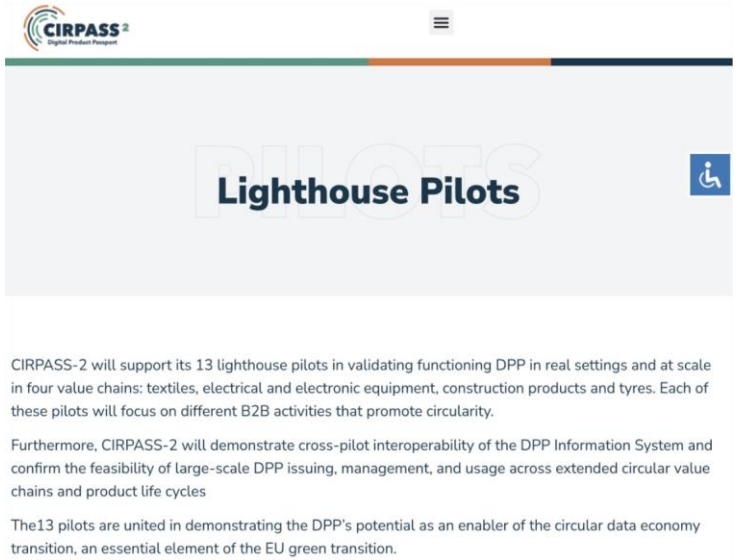
COMMISSION IMPLEMENTING DECISION

of 31.7.2024

on a standardisation request to the European Committee for Standardisation, the European Committee for Electrotechnical Standardisation, and the European Telecommunications Standards Institute as regards digital product passports in support of Union policy on ecodesign requirements for sustainable products and on batteries and waste batteries

DPP JTC 24, Dataspaces JTC25,
Smart manufacturing… nan texts are authentic)

EU data architectures and standards (CEN /CENELEC)



EU Digital product passport implementation (ESPR)

DG ENV
DG GROW
DG ENER

EU Digital strategy for 2024-2029

Thank you!

Henna Suomi
henna.suomi@ioxio.com

Sea Freight Emissions
WAYBILL NR
AZ3731076

Freight type
Palletized
GHG Intensity CO2e
102.2 kg g/CO2e/km

Nordic-Baltic Perspectives

Q&A

From Space to Fields – Agri-food data crosses borders

Jaana Sinipuro

CEO

DataSpace Europe Ltd

Building business on European values since 2016

EU Digital Strategy

EU Data Strategy

EU Digital Compass

Data Governance Act (DGA) 2023

EU Recognised Data Intermediary

Data Act (DA) 2025

ValueNet initiative (2016)

ValueNet first version (2018)

ValueNet presented to European Commission as "a solution that implements the EU data strategy" (2019)

DataSpace Europe founded. ValueNet modernization towards PaaS for Ecosystems' Governance (2022)

Tritom® 1.0 launched (2023)

First data intermediation service provider registred in Europe (2024)

Signing MoU with Agdatahub and ILVO. Preparing for CEADS (2024)

Cinia

MTK

JSK Kiinteistöt I

tikura VENTURES

BUSINESS FINLAND

ILMASTO-RAHASTO

Our promise

DataSpace Europe Oy is a pioneer of data spaces in Europe. We develop and offer data intermediation services across Europe for various industries with strong roots in agriculture.

Our solution is the lightweight but reliable data intermediation service Tritom® that complies with EU requirements and is build on proven trust framework.

With Tritom®, your business can drive innovation by securely and cost-effectively sharing data without risking intellectual property. Tritom® enables responsible data collaboration that not only protects your IPRs but also supports reducing your carbon footprint.

Potato-X: Agri-food data crosses borders

Objective: Connect and enhance data sharing platforms for seamless cross-border interoperability in agriculture.

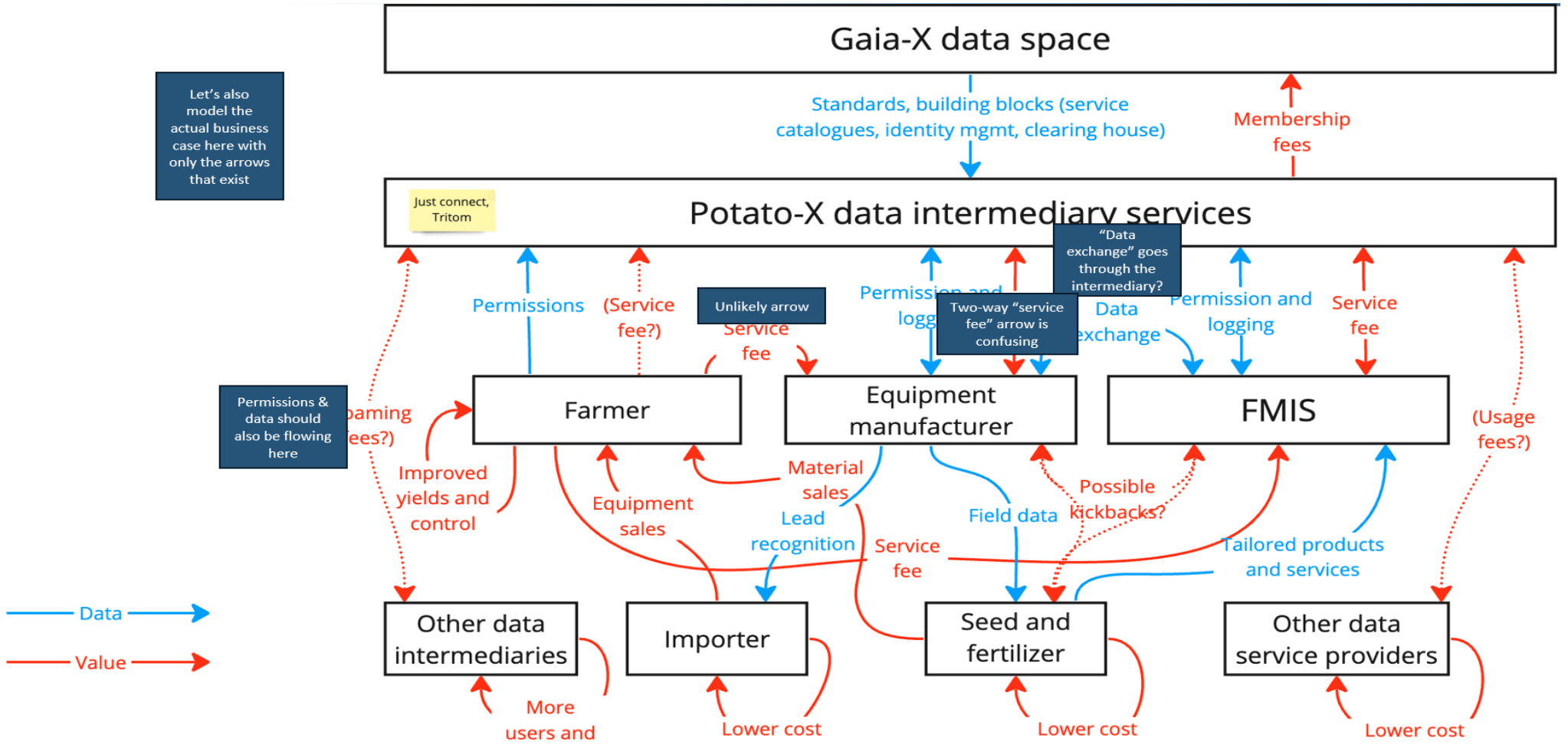
Key Actions:

1. Interoperability Achieved: Established technical and semantic standards for data exchange, ensuring different systems can communicate effectively.
2. Pilot Yield Data Flow: Demonstrated end-to-end data sharing from an AVR harvester to a Farm Management Information System (FMIS) in Finland, showing how yield data can be seamlessly shared, permissioned, and visualized.
3. Automated Data Contracts: Developed a prototype for automated data contracts, streamlining policy enforcement and agreements in data exchanges.
4. Data Sharing Rulebook: Created a governance framework for potato data sharing between DjustConnect (BE) and Tritom (FI), adaptable for other networks.

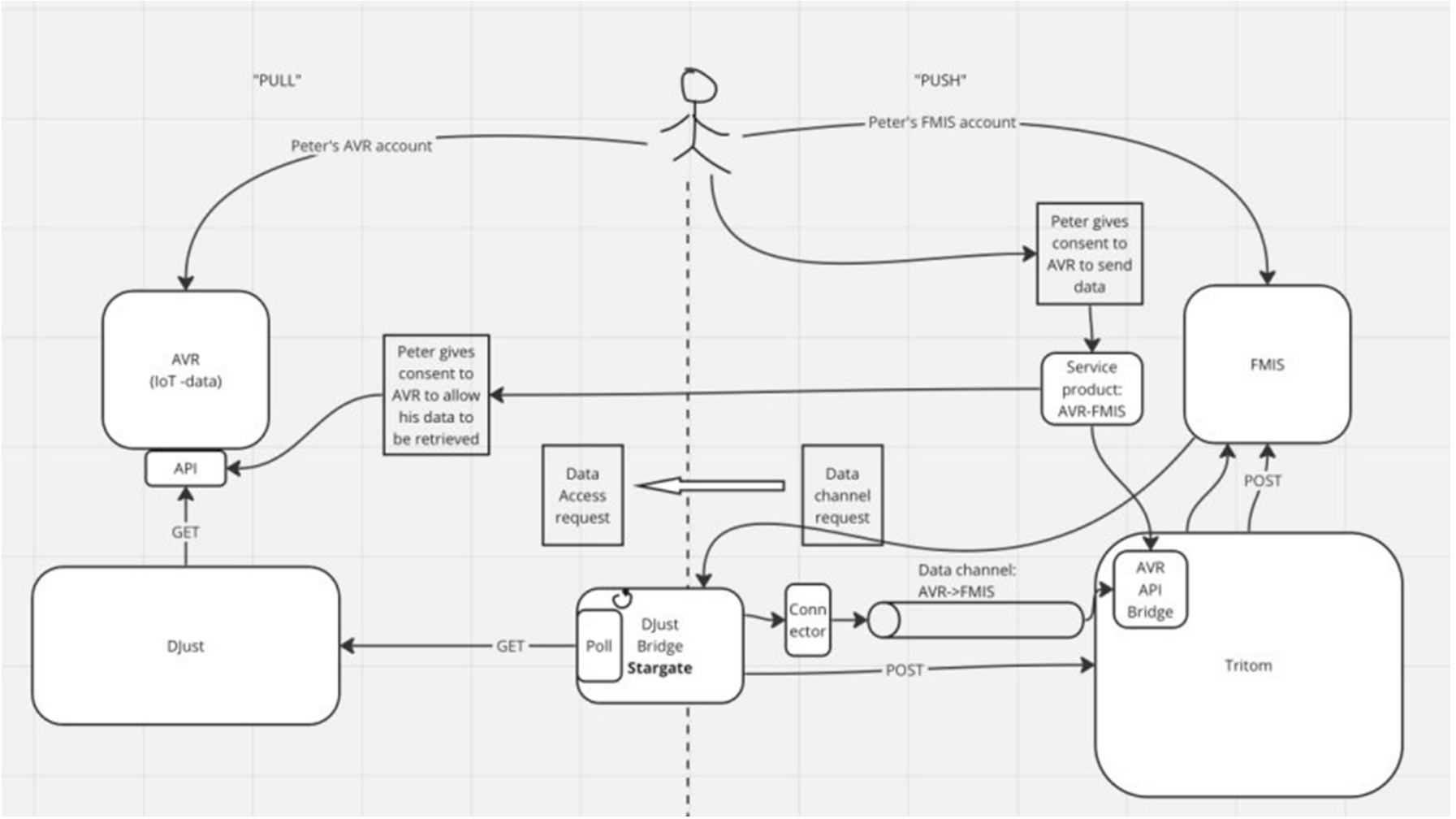
Outcome: Proved the viability of interoperable data sharing in agriculture, enhancing data governance and operational efficiency across platforms.

SITRA

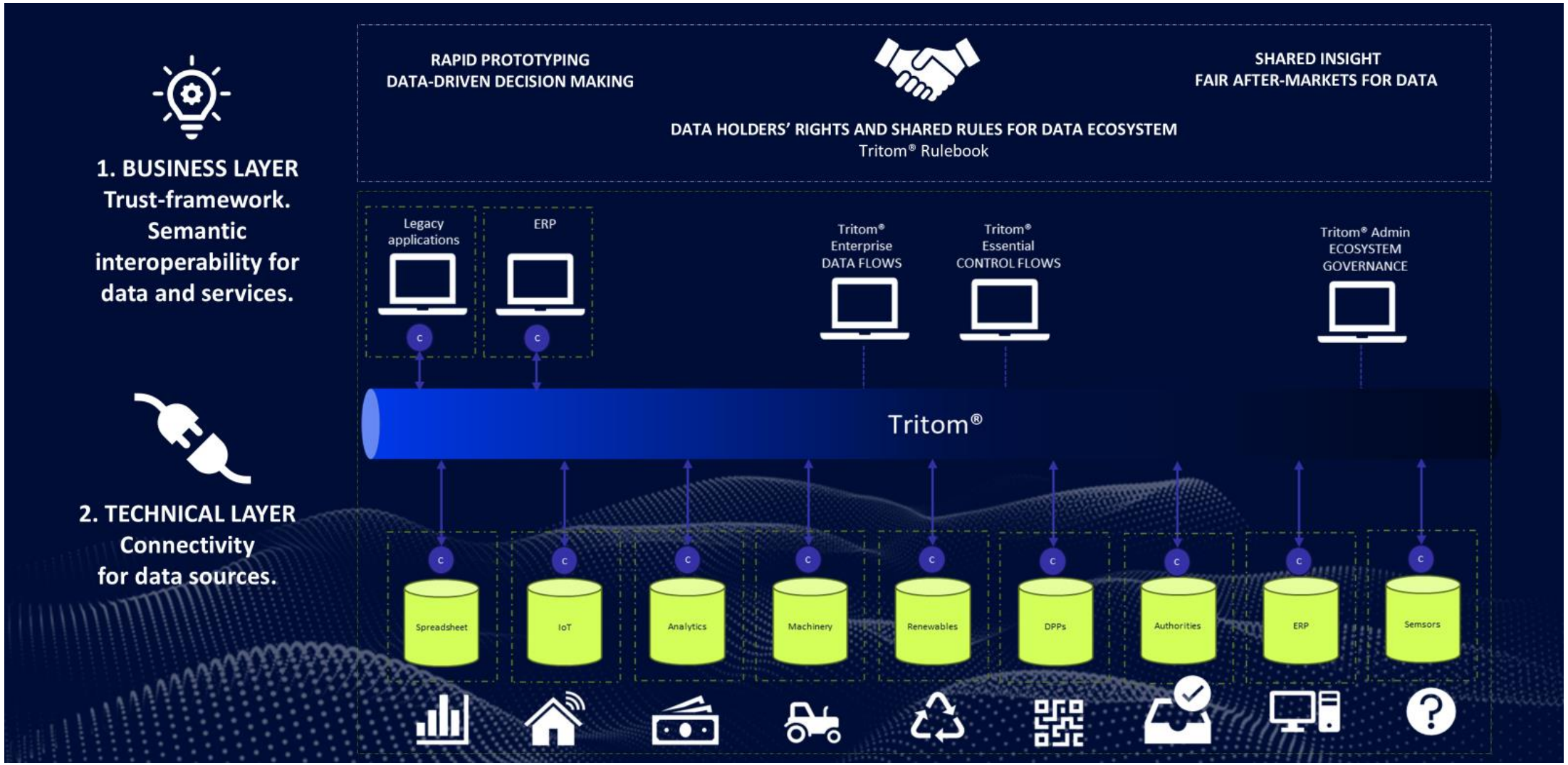
Start from Business modelling…



Technology will follow…



Tritom® reduces complexity in Ecosystem-level Data Management



Back to Basics: Can you achieve platform benefits without being a platform?

- **Yes!** By working with a data intermediation service provider, you can innovate and develop business offerings on shared data in a secure, cost-effective way that protects your intellectual property. This approach lets you leverage capabilities from the entire ecosystem.
- **Yes!** Focus on cross-border data exchange cases and organize scattered technologies into user-friendly solutions.
- **No!** It is not about number of data intermediaries, is about quality. Move beyond national data intermediaries and stop reverse-engineering data platforms into neutral data intermediation services. In Europe, we need to pool resources, emphasize incentives and rapid learning loops to carve our path toward a Fair Data Economy. Strategy is about making choices!

Thank you!

Jaana Sinipuro, jaana.sinipuro@dataspace.fi
@jsinipuro

Nordic-Baltic Perspectives

Q&A

Networking Coffee & Expo Area

11:30 – 12:00

Gaia-X Booth Programme

- **11:30 – 11:40 Benefits of Gaia-X Membership** | Daniela Mockler, Gaia-X, Senior Members' Manager
- **11:40 – 11:50 Membership and Matchmaking Platform: an update for members** | Daniela Mockler, Gaia-X, Senior Members' Manager
- **11:50 – 12:00 Gaia-X Digital Clearing House – how to** | Frederik Tengg, Gaia-X, Release Manager

Gaia-X Hubs Focus: National Data Strategy, Market Impact, and Sustainable Growth

12:00 – 12:45

12:00 – 12:30: Panel Discussion

Gaia-X Hub Spain: Francisca Rubio, General Manager, Gaia-X Hub Spain

Gaia-X Hub France: Anne-Sophie Taillandier, Director of TeraLab, Institut Mines Telecom

Gaia-X Hub Austria: Helmut Leopold, Head of Center for Digital Safety & Security, AIT Austrian Institute of Technology

Gaia-X Hub Poland: Jarosław Kowalski, Polish Chamber of Information Technology and Telecommunication

Gaia-X Hub Norway: Hermund Arntzen Dale, General Manager, Gaia-X Hub Norway, Smart Innovation Norway

12.30 – 12:45: Hub sounding board Leads Insights

Peter Verkoulen, Dutch Gaia-X Hub Programme Director – TNO, Lead of Gaia-X Hubs sounding board

Jan Fischer, Gaia-X Hub Germany coordinator – acatech, co-lead of Gaia-X Hubs sounding board

Moderator: Alessandra Perna, Gaia-X Senior Market Adoption Manager

Gaia-X Hubs Focus: National Data Strategy, Market Impact, and Sustainable Growth

Panel discussion

Francisca Rubio

General Manager, Gaia-X Hub Spain

Gaia-X Hubs Focus: National Data Strategy, Market Impact, and Sustainable Growth

Panel discussion

Anne-Sophie Taillandier

Director of TeraLab, Institut Mines Telecom

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Polish Chamber of Information Technology and Telecommunication

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Panel discussion

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General Manager, Gaia-X Hub Norway, Smart Innovation Norway

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Hub sounding board Leads Insights

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Lead of Gaia-X Hubs sounding board

Gaia-X Hubs Focus: National Data Strategy, Market Impact, and Sustainable Growth

Hub sounding board Leads Insights

Jan Fischer

Gaia-X Hub Germany coordinator – acatech,
co-lead of Gaia-X Hubs sounding board

Welcome to our newest Gaia-X Hubs!

Gaia-X Hub Norway
Gaia-X Hub Denmark
Gaia-X Hub Switzerland

Globalisation

12:45 – 13:00

Ulrich Ahle, Chief Executive Officer, Gaia-X

Noboru Koshizuka, Professor, Interfaculty Initiative in Information Studies, The University of Tokyo

Globalisation

gaia-x

Ulrich Ahle

Chief Executive Officer, Gaia-X

Globalisation

Noboru Koshizuka

Professor, Interfaculty Initiative in Information Studies, The University of Tokyo

“Toward Global Data Spaces”

越塚 登／KOSHIZUKA, Noboru

The University of Tokyo
Data Society Alliance

This presentation is based on results obtained from the project,
“Research and Development Project of the Enhanced infrastructures for Post 5G Information and Communication Systems” (JPNP 20017),
commissioned by the New Energy and Industrial Technology Development Organization (NEDO).

DATA-EX/DSA (Data Society Alliance)
https://data-society-alliance.org/

DATA-EX Data Society Alliance

DATA-EX

DATA-EX is the collective name for the efforts of the Data Society Alliance (DSA) to realize cross-domain data exchange.
The DATA-EX cross-domain data exchange platform (hereinafter referred to as "DATA-EX"), which is at the core of these efforts, is a technical and social platform that enables the discovery and use of data across fields.

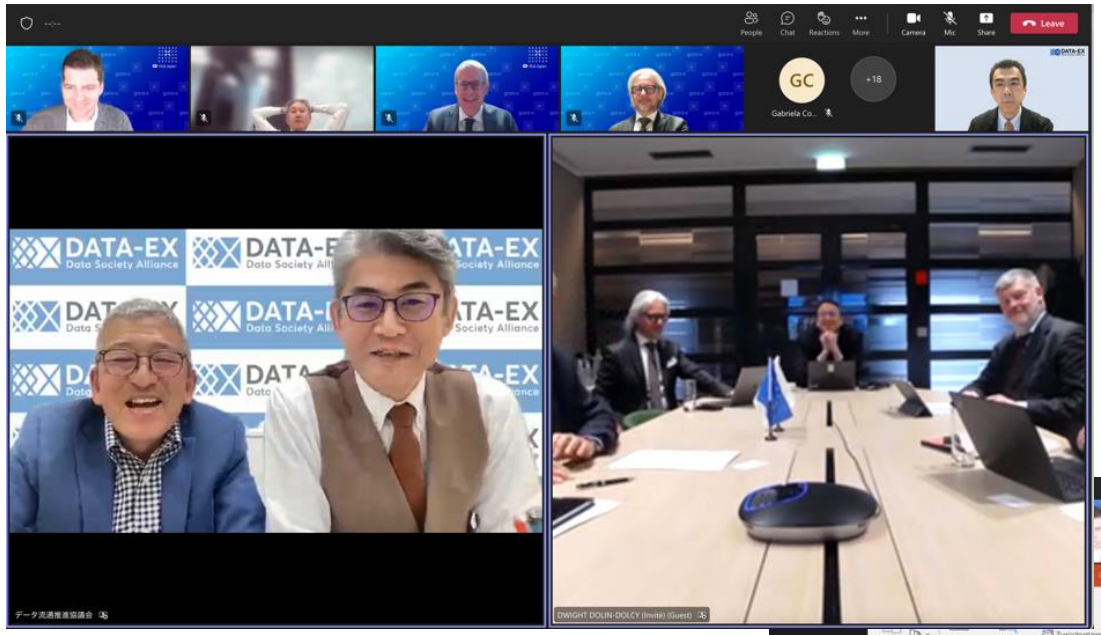
Vision

“World of Data-Driven Innovation”

Mission

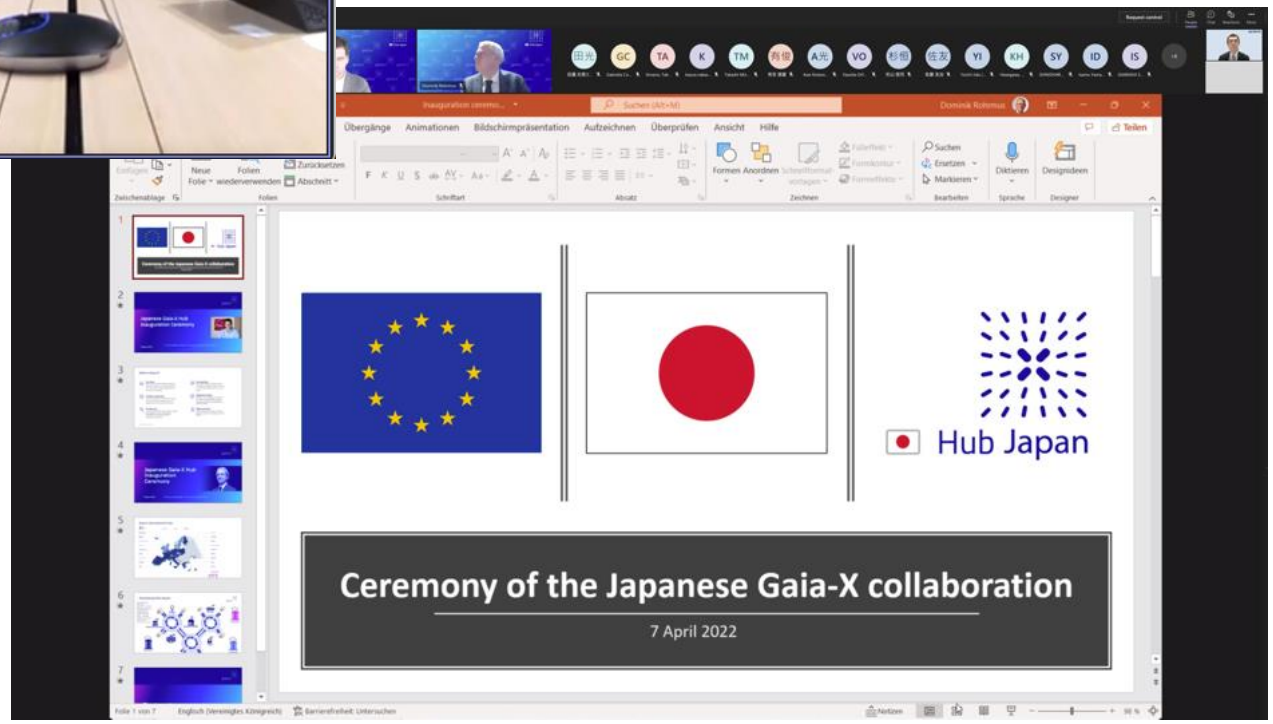
1. Establish Data Driven Society with democracy of innovation
2. Develop data-distribution infrastructure for the world
3. Accelerate social implementation with Technology and Service development
4. Collaboration and Contribution to the World

DSA is GAIA-X Japan Hub (April., 2022)



GAIA-X

Cooperate Agreement between GAIA-X and DSA (April, 2022)



The University of Tokyo/IDSA Japan Hub

Organization

Relevant terms and conditions were approved by the steering committee of Research Center for Ubiquitous Information Society Infrastructure which is an organization of Interfaculty Initiative in Information Studies, the University of Tokyo.

Member of the committees

IDSA Japan Hub

Chair
Noboru Koshizuka
The University of Tokyo

Vice-Chair
Hiroshi Mano
Data Society Alliance

Vice-Chair
Akira Sakaino
NTT Communications

Member
Kotaro Asai
Mitsubishi Electric

Member
Masaru Dobashi
NTT DATA

Member
Kenji Hiramoto
IPA

Member
Kazuo Nakashima
RRI

Member
Kazuma Hatano
The University of Tokyo

Member
Hirotsugu Seike
The University of Tokyo

ITDT (International Testbed for Dataspaces Technology)

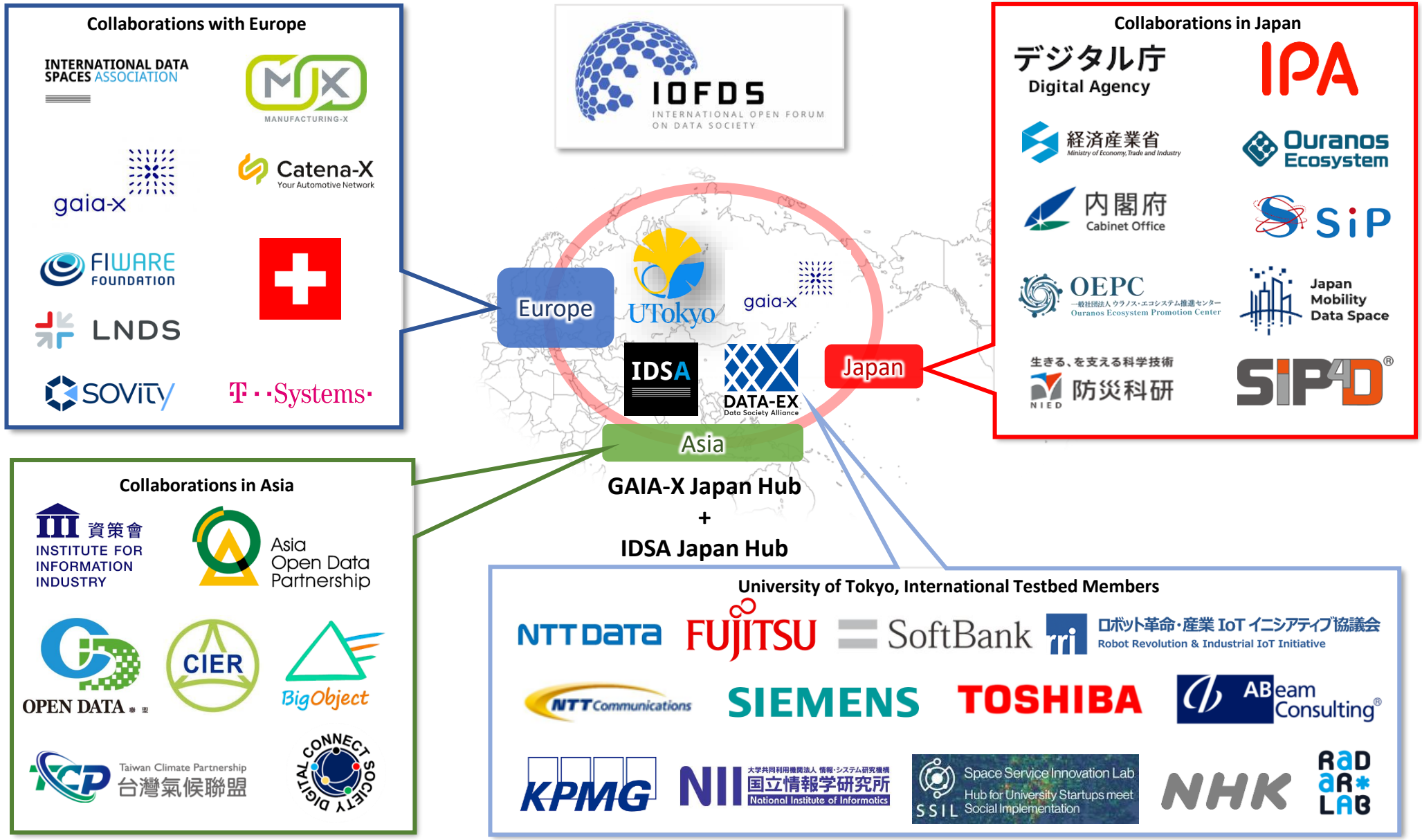
Project Leader
Noboru Koshizuka
The University of Tokyo

Sub Project Leader
Masaru Dobashi
NTT DATA

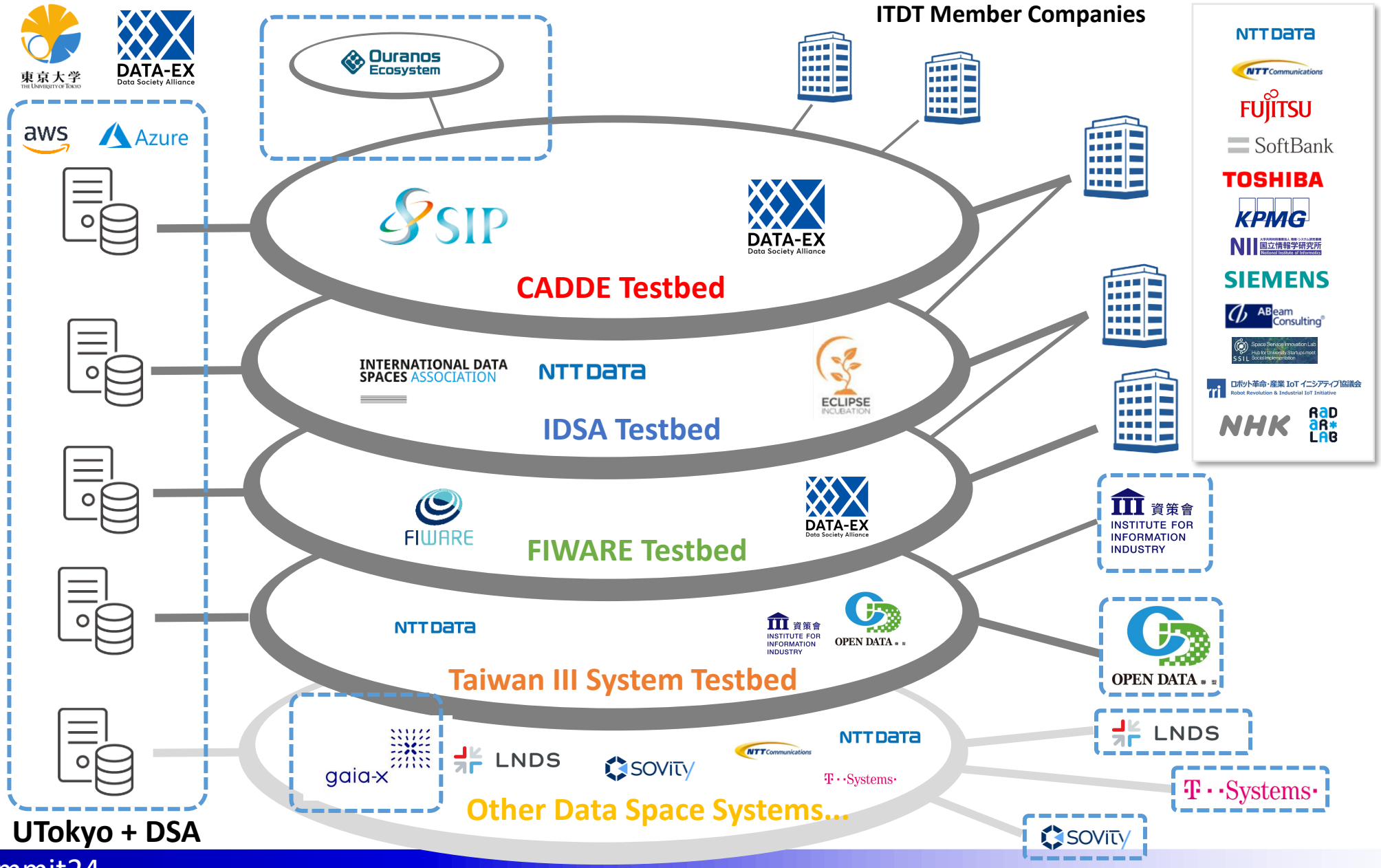
Sub Project Leader
Kazuma Hatano
The University of Tokyo

Sub Project Leader
Hirotsugu Seike
The University of Tokyo

New International Collaboration by IDSA Japan Hub, GAIA-X Japan Hub, DSA and UTokyo



International Testbed of Dataspaces Technology, The University of Tokyo



Trial for Global Trust Framework with GAIA-X, ...

IOFDS
INTERNATIONAL OPEN FORUM ON DATA SOCIETY

Establishing global trust framework initiative for data spaces

Our vision

- Establish technical federation of trusts across countries (e.g. trust anchors and trust services)
- Foster interoperability among dataspace initiatives worldwide
- Ensure secure and efficient data collaboration
- Prepare to establish a governance body

Technical pilot overview

Phase 1 Prototype the trust anchor on a testbed in Japan for broad participation.

Phase 2 Integrate Tractus-X sandbox to test interconnectivity with the prototype of the trust anchor and identify technical gaps

Phase 3 Deploy cross-regional use cases with partners to assess interoperability

Phase 4 Develop tools for technical mutual recognition and international interoperability of trust services and anchors

Technical infrastructure

Use existing components and knowledge, examples are:

Gaia-X solutions
Leverage Digital.ID and Gaia-X Digital Clearing House by T-Systems and NTT

Federation expertise
Use Fujitsu & NTT's trust service and trust anchor federation knowledge and technology

Catena-X / Tractus-X Sandbox
Use T-Systems' IDSA & Gaia-X compliant testbed at University of Tokyo

gaia-x UTokyo NTT Communications NTT DATA FUJITSU T-Systems

Collaboration among T-System, NTT Com, NTT Data, GAIA-X, and UTokyo（Sep.~Oct., 2024)

T Systems　NTT Communications

2024年9月25日

T-Systems
NTTコミュニケーションズ株式会社

T-SystemsとNTT Com、日本でデータスペースのテスト環境を提供開始

主要なグローバル通信サービス事業者である、ドイツテレコムのIT子会社T-SystemsとNTTコミュニケーションズ株式会社(以下 NTT Com)の2社が協業して、日本でのデータスペース※1のテスト環境(サンドボックス※2)の提供を開始します。

この協業で提供されるデータスペースのサンドボックスは、非営利団体であるEclipse財団※3のプロジェクトが開発したオープンソースソフトウェア、Tractus-XとEclipse Dataspace Componentsをベースとしています。これらのソフトウェアは、自動車産業のデータスペースCatena-X※4など、主要なデータエコシステム※5で実際に使用されています。実際のデータスペースで使われているソフトウェアを用いたサンドボックスの提供は、世界初の取り組みとなります。

テスト環境の提供を通して、日本における新たなデータエコシステムの開発を加速させ、欧州のデータスペースと日本のデータスペース間の相互運用の実現をめざします。

1.取り組みの背景

T-SystemsとNTT Comは、Gaia-X※6、International Data Spaces Association: IDSA※7、Catena-X Associationなど、欧州の数々のデータスペース関連のコミュニティーに積極的に貢献してきました。T-Systemsの親会社であるドイツテレコムはGaia-Xの創設メンバーであり、そのIT子会社であるT-SystemsはGaia-Xデジタルクリアリングハウス※8の第一号たる運用事業者であり、Tractus-Xソフトウェアの主要な開発ベンダーでもあります。NTT Comもまた、信頼性の高いデータスペースの国際標準化についての議論を開始し、日本や欧州の取り組みと協力してデータスペース間の相互運用性の考え方を示すことにより、データスペース関連のコミュニティーに貢献しています。

今回T-SystemsとNTT Comの2社は、国を代表する通信サービス事業者としての専門技術と社会的な信用を活かし、信頼性の高いインフラストラクチャを提供し、データのプライバシーとセキュリティを最大限に保証する中立的なプロバイダーとして、グローバルサプライチェーンなど組織や国境を越えたデータ交換を促進し、データ主権※9の保護を担保します。

2.取り組みの内容

T-Systemsはこのサンドボックス環境として「Living Lab」というプロダクト、すなわち「データスペース・アズ・ア・サービス※10」の開発環境を提供します。パートナーであるNTT Comはこの開発環境を日本の大学・企業などのお客さまへ提供します。サンドボックス環境は、ドイツのクラウドインフラ上で運用され、NTT Comが運用する日本のクラウドインフラ上の国際的なテストベッドを通じて、日本のユーザーやエンジニアがアクセスできる形で運用されます。この構成により、データスペース環境でのアプリケーションや接続サービス(イネーブルメントサービス)※11の開発と利用が容易になり、日本のさまざまな業界での企業間データチェーンの技術実証実験(PoC)が加速します。T-SystemsのLiving Labサンドボックスは、NTT Com経由で、2024年第3四半期以降にIDSA Japan Hub※12、東京大学、慶應義塾大学、富士通、オムロンなどの日本の大学・企業などに提供可能となり、それぞれのテストベッド、コネクター、アプリケーションサービスとの相互運用性をテストし、日本のデータスペースの開発者とユーザーの数を増やします。

T-SystemsとNTT Comによるデータスペースのテスト環境構築に東大が協力（Sep. 25, 2024）

October 8, 2024

NTT DATA and Gaia-X Expand Global Reach with Deployment of Gaia-X Digital Clearing House in Japan

TOKYO; BRUSSELS – 8 October 2024 – NTT DATA, a global digital business and IT services leader, is pleased to announce the successful deployment of a testbed for a Gaia-X Digital Clearing House in Japan. This milestone marks the first implementation of a Digital Clearing House outside of Europe, highlighting the association's commitment to its globalisation strategy and fostering international collaborations.

NTT DATA and Gaia-X recently convened in Brussels to work on a Digital Clearing House. The deployment in Japan is part of a data space test bed project led by the University of Tokyo, with active participation from industry giants including Toshiba, SoftBank Corp., NTT DATA, and NTT Communications. The purpose of this deployment is to create a development and testing environment that will facilitate the operation of interoperable Data Spaces within Japan's digital ecosystem.

A Gaia-X Digital Clearing House (GXDCH) is a network of execution nodes that ensures decentralized compliance across the Gaia-X ecosystem. These nodes safeguard the distributed and transparent nature of Gaia-X's compliance framework, ensuring that it is not centrally operated by the association but open for use by anyone. This approach underpins Gaia-X's mission to create a secure, federated digital ecosystem that is open, transparent, and beneficial to all participants.,

"We are thrilled to see the Gaia-X Digital Clearing House technology being adopted beyond Europe," said Ulrich Ahle, CEO of Gaia-X. "This collaboration with NTT DATA is a significant step forward in our mission to support the creation of a truly global, federated digital infrastructure that respects data sovereignty and promotes innovation."

GAIA-XとNTT DataによるGXDCHの実験に東大テストベッドが協力（Oct. 8, 2024）

Collaboration between Ouranos Ecosystem and DATA-EX (Oct., 11, 2024)

ウラノス・エコシステムとDSA、データ利活用基盤の推進に向けて連携・協力を開始

2024.10.11 プレスリリース #協定 #データスペース #DATA-EX

2024年10月11日
一般社団法人ウラノス・エコシステム推進センター
一般社団法人データ社会推進協議会

経済産業省が提唱するウラノス・エコシステムを推進する民間団体である一般社団法人ウラノス・エコシステム推進センター(東京都新宿区、代表理事:浦川伸一、以下「OEPC」という。)とDATA-EX[1]による分野・業界を超えたデータ活用を推進する一般社団法人データ社会推進協議会（東京都港区、代表理事:奥井規晶 、以下「DSA」という。）は、双方が協力することによって、両組織の所掌する領域において得意とする能力及び人材等を活かし、データ利活用基盤整備及び活用を円滑かつ“より効果的に”共に推進することを目的として、2024年10月9日付で協定を締結いたしました。

本協定により、OEPCとDSAは、以下の事項を連携・協力して行います。

1.国内外において構築される各種データ利活用基盤の実装及び活用(データスペース[2]を含む)に係る取組みを支援する事項
2.上記１.に係る国際標準化に伴う活動に関する事項
3.上記1.に係る推進・啓蒙に伴う活動に関する事項

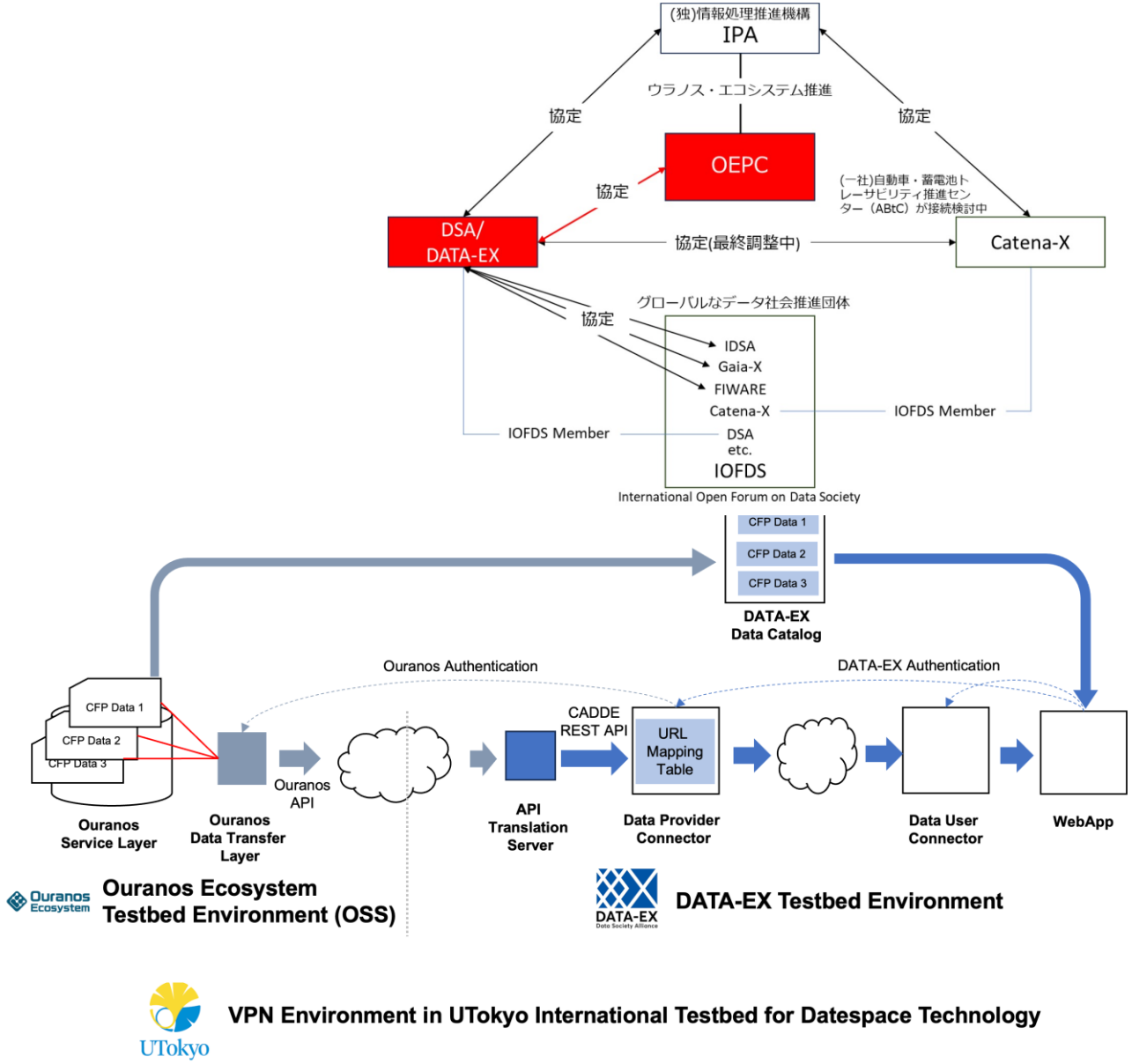
今回の協定により、国内及びグローバルなデータ利活用基盤の関連団体の連携網が完成することとなり、データ社会の推進に向けて各団体の活動が一段レベルアップいたします。
例えば、DSAは既にウラノスの公開APIを活用した、ウラノスとDATA-EXのデータスペース 接続実証に成功しており、これにより、分野間データ連携基盤としてのDATA-EXを介して、Catena-Xをはじめとした様々なデータ連携基盤との接続への道が開けました。

一般社団法人ウラノス・エコシステム推進センターについて

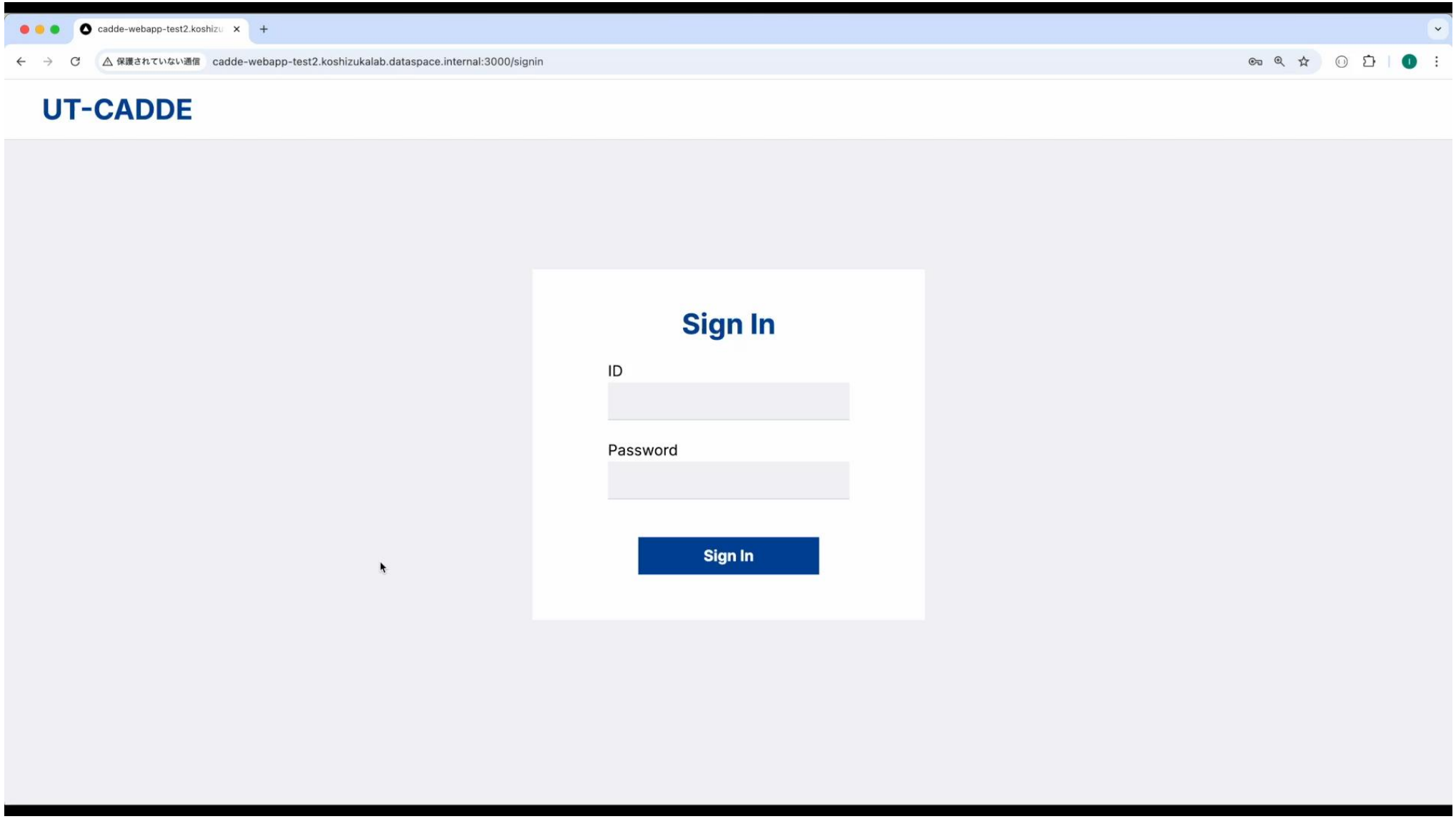
一般社団法人ウラノス・エコシステム推進センター(OEPC)は、経済産業省・デジタル庁が提唱するウラノス・エコシステムのイニシアティブに賛同し、主に産業界を中心に立ち上げた推進団体です。政府や経団連と連携し、運用及び管理を行う者が異なる複数の情報処理システムの連携の仕組みに関して、アーキテクチャの設計、研究開発・実証、社会実装・普及の取組を共同で進め、産業界のデジタル産業基盤のエコ化を強力に進めていくことを目指しています。「OEPC」について詳細は当団体ホームページをご覧ください。

一般社団法人データ社会推進協議会について

一般社団法人データ社会推進協議会（DSA）は、産官学が連携し、日本だけでなく世界とも協力しながら、分野を超えた公平で自由なデータの流通と活用ができる社会（データ社会）を通じて、豊かな社会の実現に寄与することを目的として、連邦型の分野横断的なデータ連携を目指す「DATA-EX」を推進しています。また、国際的な取組みとしてDFFT（Data Free Flow with Trust：信頼性のある自由なデータ流通）の実現に向けた国際協調の体制であるInternational Open Forum on Data Society (IOFDS)[3]に参加しております。「DATA-EX」について詳細は当団体ホームページをご覧ください。



UTokyo **VPN Environment in UTokyo International Testbed for Datespace Technology**


cadde-webapp-test2.koshizu
保護されていない通信
cadde-webapp-test2.koshizukalab.dataspace.internal:3000/signin
UT-CADDE
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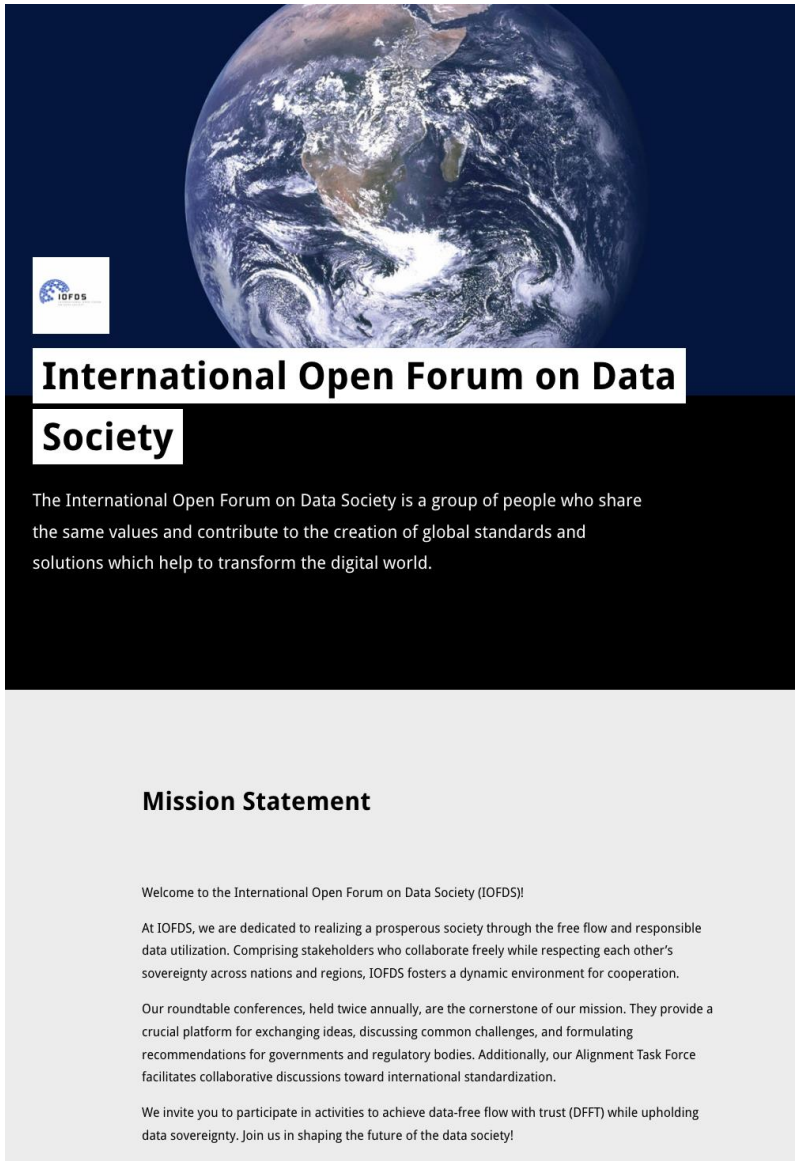
ID
Password
Sign In

International Open Forum on Data Society https://iofds.org/



International Open Forum on Data Society https://iofds.org/

Asia Open Data Partnership (AODP)

About

Considering that the pioneer of the promotion and development of open data is mostly from the Western countries, which is very different from the Asian in all aspects including politics, economics, culture, technique and so on. Asia Open Data Partnership (AODP) aims to facilitate the communication and cooperation on open data and data application between Asian countries, and strives to tailor a specific strategy based on our own need and situation. We hope that through this platform, we will be able to work closely with our partners in Asia and drive regional data-related economic prosperity.

Double-track development strategy

There are 2 tracks of the AODP operation:
- The first track is "international exchange," including events like hackathon, webinar, workshop or any creative event mainly for promoting understanding on policies or substantial actions across different partners.
- The second track is "business cooperation," including online business matching, trade mission or technical cooperation for creating substantial business opportunities among partners.

JOIN US → https://forms.gle/j6QVLwcQGHKzGcQZ8

Asia Open Data Portal https://dataportal.asia/home

- ◆73,148 datasets
- ◆Government's open data from 12 Asian countries including Taiwan, Japan, Korea, India, Indonesia, Malaysia etc.
- ◆Data for 12 issue areas including public information, agriculture, healthcare etc.

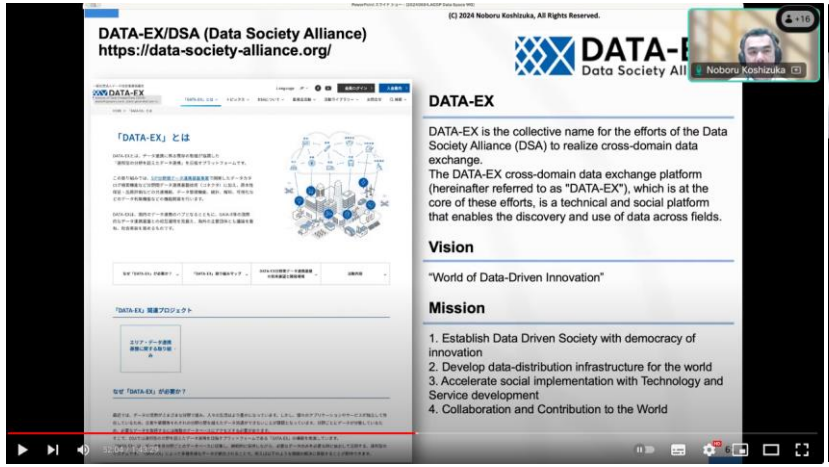
Asia Open Data Partnership Brief

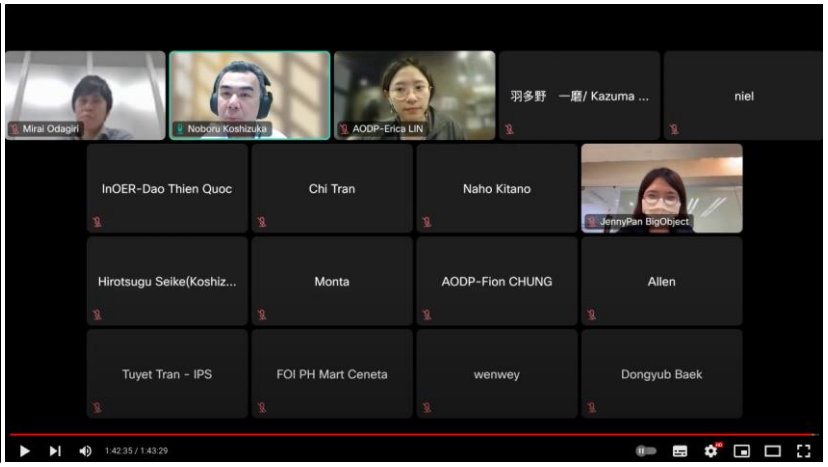
Date of Founding: 2015/10/14
Founding Partners:
- Open Data Alliance (ODA), Taiwan.
- Change Fusion, Thailand
- Digital Government Development Agency (DGA), Thailand
- National Information Society Agency (NIA), Korea.
- National Strategy Office of ICT, Cabinet Secretariat, Japan

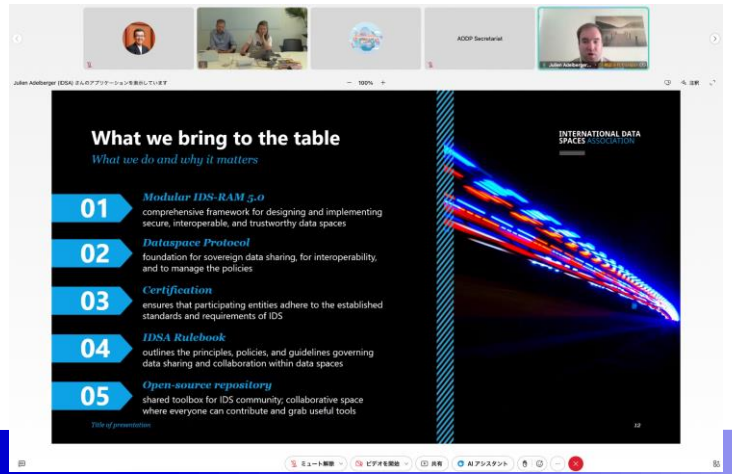
Secretariat:
Taipei Computer Association (TCA), Taiwan

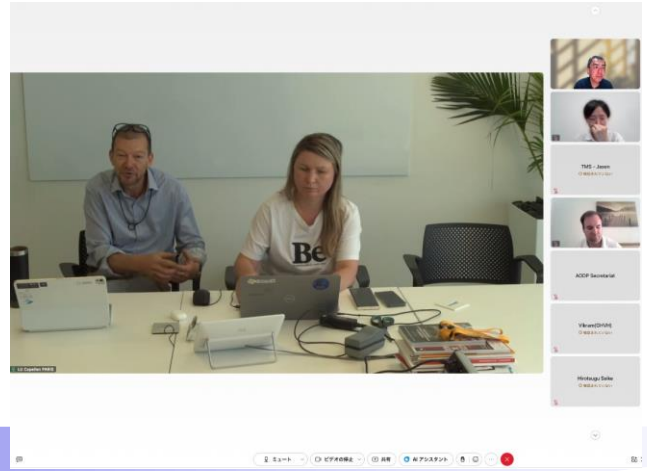
AODP Data Spaces WG

In “Data Space WG” we will study and share information and knowledge about data spaces, and discuss the role of open data in data spaces. Also, we would like to discuss how Asia should deal with data spaces.









AI Taiwan 2024 https://money.udn.com/money/story/5635/8127379

解鎖資料流通33兆商機　國際組織AODP來台分享國際趨勢

資料產業交流資料流通新商機，業者KKday(左起)、核桃運算、興創知能、Gogolook、Vpon合影。 數位發展部/提供

本文共587字

00:00

2024/07/30 09:15:25

經濟日報 藍怡珊 讚 0

為促進亞洲的資料應用趨勢與商機交流，國際組織AODP（亞洲開放資料合作夥伴）7月27日攜手數位發展部數位產業署、Open Data聯盟以及日本DSA（數據社會推進協議會），共同舉辦「解鎖！亞洲資料流通新商機」國際論壇。

具有海外客戶實績的企業如核桃運算、KKday、Gogolook、興創知能及威朋大數據皆出席分享資料流通的挑戰與商機，領域涵蓋旅遊、交通、防災、防詐與行銷。

主席越塚登教授分享國際資料空間趨勢。 數位發展部/提供

AODP年會主席暨日本東京大學教授越塚登提及，近年許多重要創新應用皆由資料驅動，然而許多企業仍對數位經濟很陌生，導致我們雖處於資料時代，仍被封閉在「資料孤島」。越塚登呼籲應透過可靠的數位技術及管理機制，實現資料共享、以資料驅動經濟的願景。他也邀請現場觀眾參加10月將在日本舉辦的AODP年會。

數位發展部數位產業署林俊秀副署長蒞臨致詞。 數位發展部/提供

數位發展部數位產業署副署長林俊秀致詞時表示，資料經濟已成為過去10年經濟發展的核心驅動力。臺灣政府積極推動資料開放，帶動資料經濟的蓬勃發展，並成功建立資料經濟產業鏈，更長期參與國際組織AODP以利產業連結國際。

Big Data Expo 2024（Aug. 27~30, 中国貴陽市）

数博会 BIG DATA EXPO | 10周年 BIG DATA EXPO

2024年8月28日 14:00-17:30　贵阳国际生态会议中心三楼国际厅

数据空间国际交流活动日程

数据无界：共创开放数据空间

主办单位｜中国国际大数据产业博览会执委会
承办单位｜中国信息通信研究院
下一代互联网国家工程中心
华为技术有限公司
云上贵州大数据(集团)有限公司
贵州省信息中心
协办单位｜德国弗劳恩霍夫应用研究促进协会
国际数据空间协会(IDSA)
英中贸易协会
大数据系统软件国家工程研究中心
可信工业数据空间生态链

议程安排 Agenda

*具体议程以当天实际安排为准

14:00-14:20
领导致辞
国家数据局相关领导
贵州省政府相关领导
赵厚麟｜国际电信联盟(ITU)前秘书长

14:20-15:30
第一篇章・凝国际共识

14:20-14:35
孙凝晖｜中国工程院院士

14:35-15:00
索斯滕·托尔斯曼
Thorsten Hülsmann｜国际数据空间协会(IDSA)总干事

15:00-15:15
余晓晖｜中国信息通信研究院院长

15:15-15:30
越塚登
Noboru Koshizuka｜日本数据社会联盟(DSA)教授

15:30-16:50
第二篇章・议创新实践

15:30-15:40
斯　文·洛弗勒
Sven Löffler｜T-Systems数据空间DIH总监

15:40-15:50
刘　东｜下一代互联网国家工程中心主任

15:50-16:00
朱莉娅·潘普斯
Julia Pampus｜欧盟数据空间开源项目(Eclipse)负责人

16:00-16:10
陶景文｜华为技术有限公司董事 CIO

16:10-16:20
何格瑞
Gregory Thomas Healy｜SAP全球副总裁

16:20-16:30
龙　云｜南方电网数字化部总经理

16:30-16:40
杨　旸｜香港科技大学(广州)协理副校长

16:40-16:50
朱宗尧｜上海数据集团有限公司党委副书记 总裁

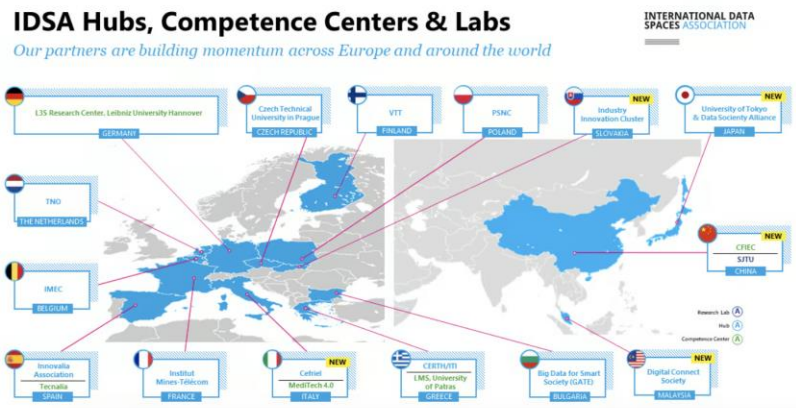
16:50-17:30
第三篇章・论未来趋势

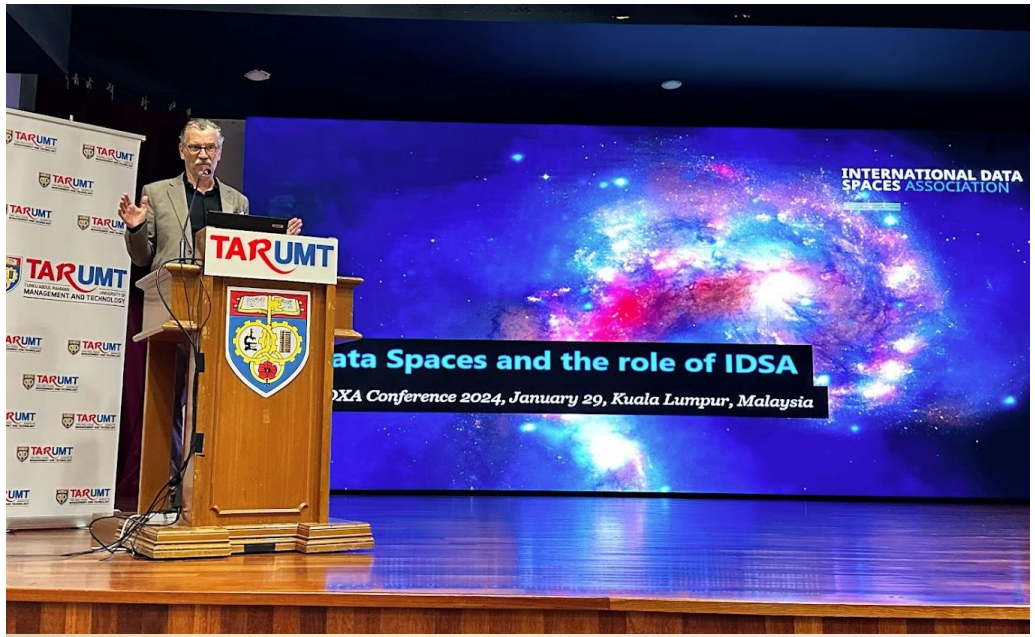
主 持 人
刘　东｜下一代互联网国家工程中心主任

对话嘉宾
斯　文·洛弗勒
Sven Löffler｜T-Systems数据空间DIH总监
朱莉娅·潘普斯
Julia Pampus｜欧盟数据空间开源项目(Eclipse)负责人
马小龙｜德国弗劳恩霍夫应用研究促进协会北京代表处首席代表
胡建钧｜西门子(中国)有限公司副总裁兼首席网络与信息安全官
甘　斌｜华为公司副总裁 标准化与产业发展部部长
施战备｜参数技术(上海)有限公司 PTC CTO
周　兵｜英特尔公司企业事务部副总裁 中国区总经理

Collaboration with IDSA Malaysia Hub (Jan. 29, 2024)

Unlocking the Future: International Data Spaces Association (IDSA) Hub Malaysia Inauguration





Japan-Luxembourg Collaboration (June 11, 12, 13, 2024)

NTT DATA LNDS

Collaboration on Data Space between Japan and Switzerland

Workshops

- Purpose: In cooperation with the Koshizuka Lab. of U Tokyo and the Swiss Federal Government（スイス連邦政府）（Directorate of International Law, Swiss Embassy to Japan and Federal Chancellery), this workshop will be held to discuss the possibility of collaboration on Data Space area between Japan and Switzerland, such as joint research and demonstrations. The workshops will introduce the data space initiatives in Japan and Switzerland and discuss possibility of collaboration between the two countries.
- Plan
  - Session 1: Data Space Initiatives in Japan (August 23)
  - Session 2: Data Space Initiatives in Switzerland (September)
  - Session 3: Proposals and discussion on areas of collaboration (September / October)

1st Session of the Workshop Series

- Date and Time Friday August 23, 18:00-20:00 JST / 11:00-13:00 CEST
- Venue Online (zoom)
- Program
  - Data Space Initiatives in Japan
    （Prof. Noboru Koshizuka, The University of Tokyo)
  - International Testbed of Dataspaces Technology
    （Prof. Hirotsugu Seike, The University of Tokyo)

Data Spaces Week 2024 (Oct. 7~11, 2024, UTokyo, Japan)

AODP Summit 2024 Dialogue Meeting

AODP Summit 2024 & DSDD Tokyo 2024

Asia Open Data Partnership (AODP) Summit 2024, Dialogue Meeting
October 8, 2024, at The University of Tokyo, Japan

Joint Symposium of AODP Summit 2024 and DSDD Tokyo 2024

4th International Open Forum of Data Society (IOFDS)

4th International Open Forum of Data Society (IOFDS)

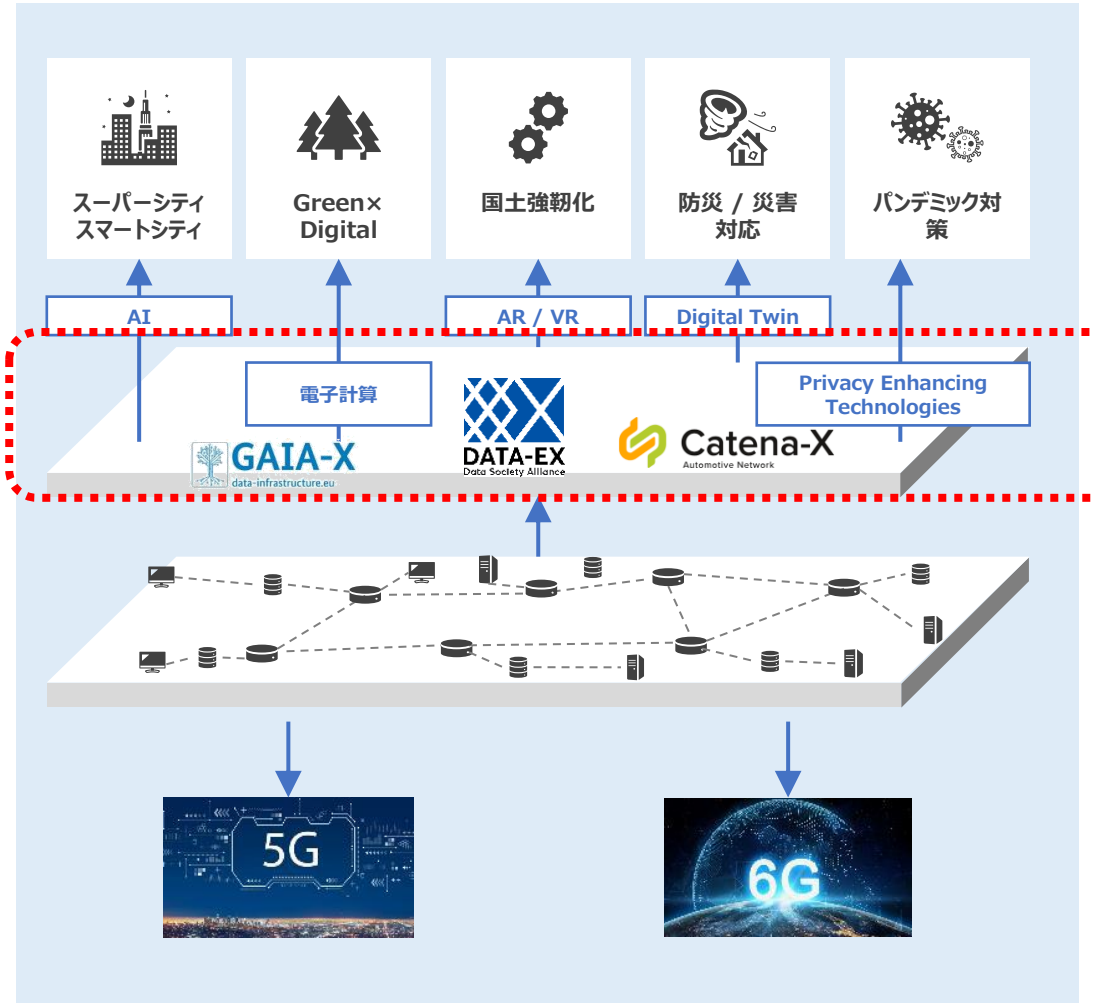
International Collaboration of DSA (October, 2024)

MoU with Manufacturing-X

MoU with Organization for Data-driven Application (ODA),Taiwan

MoU with Institution of Information Industry (III), Taiwan

Toward the global data spaces as the future global digital infrastructure



Service Layer

Society 5.0を実現するサイバー ・フィジカル・サービス /
Cyber-Physical Services for Society 5.0

Data Layer

信頼性のあるグローバルデータ空間 /
Trusted Global Data Space

Network Layer

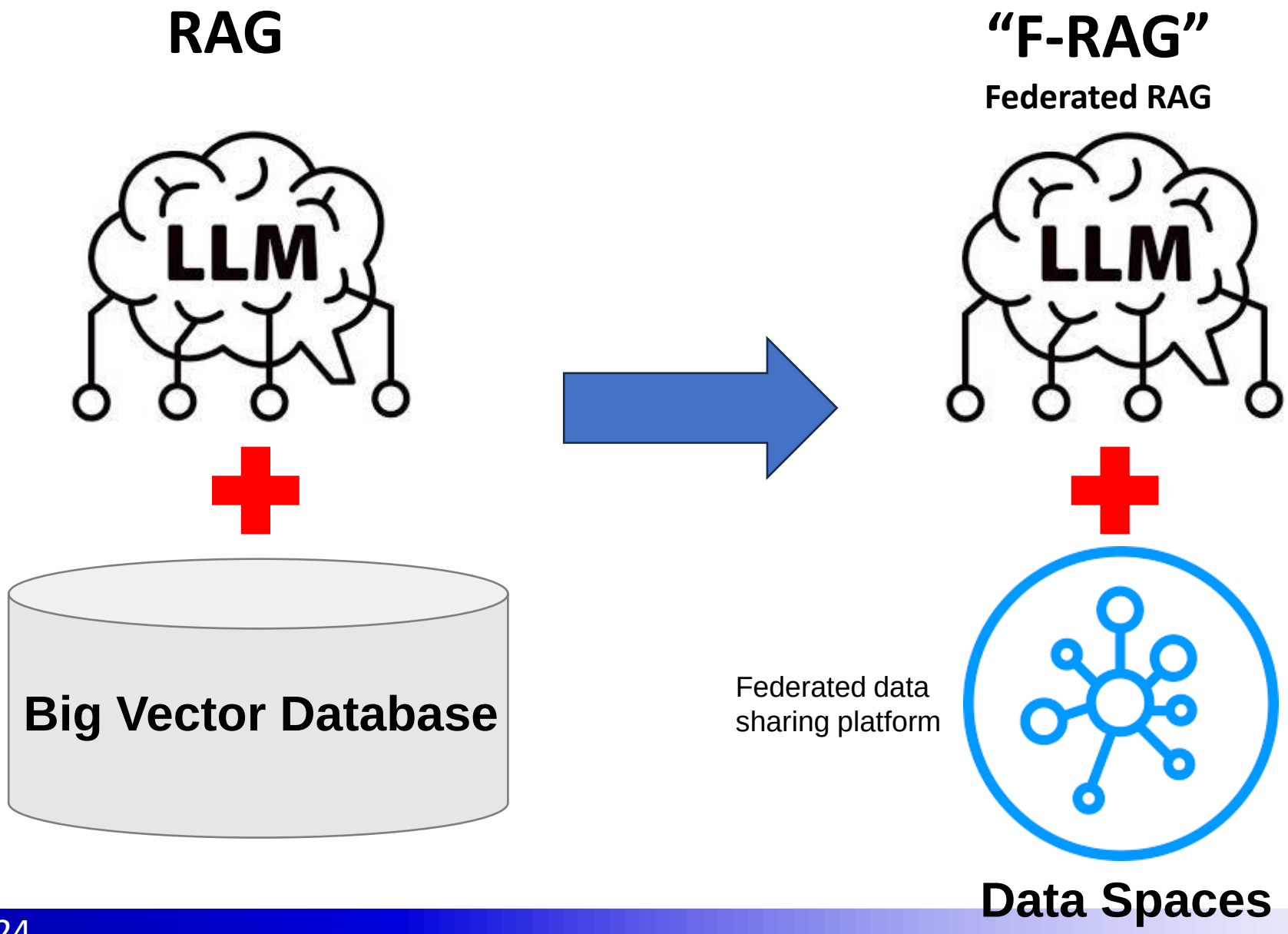
インターネット / The Internet

New Communication Infrastructure

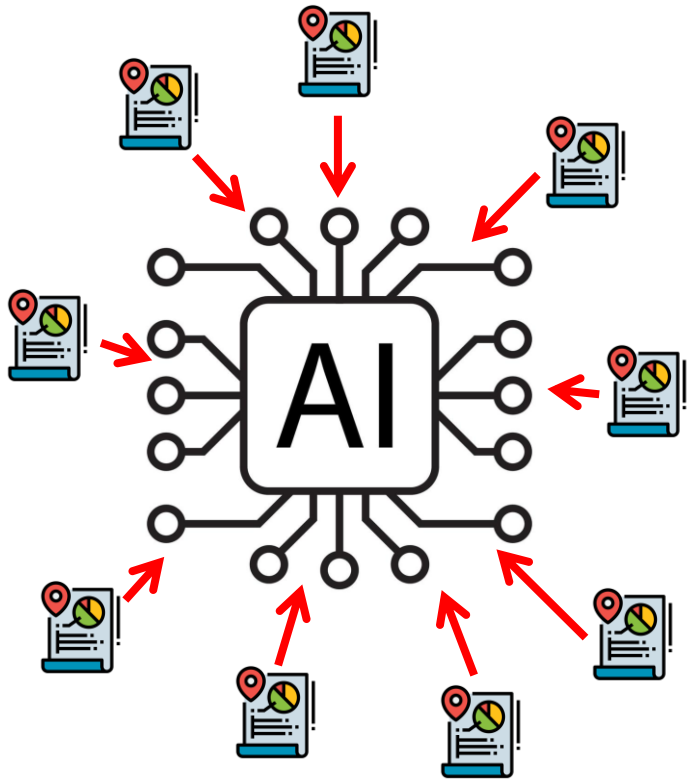
5G Network, Beyond 5G / 6G Network

Data Spaces + AI = AI Spaces

“Federated RAG” [Koshizuka-lab, 2024]



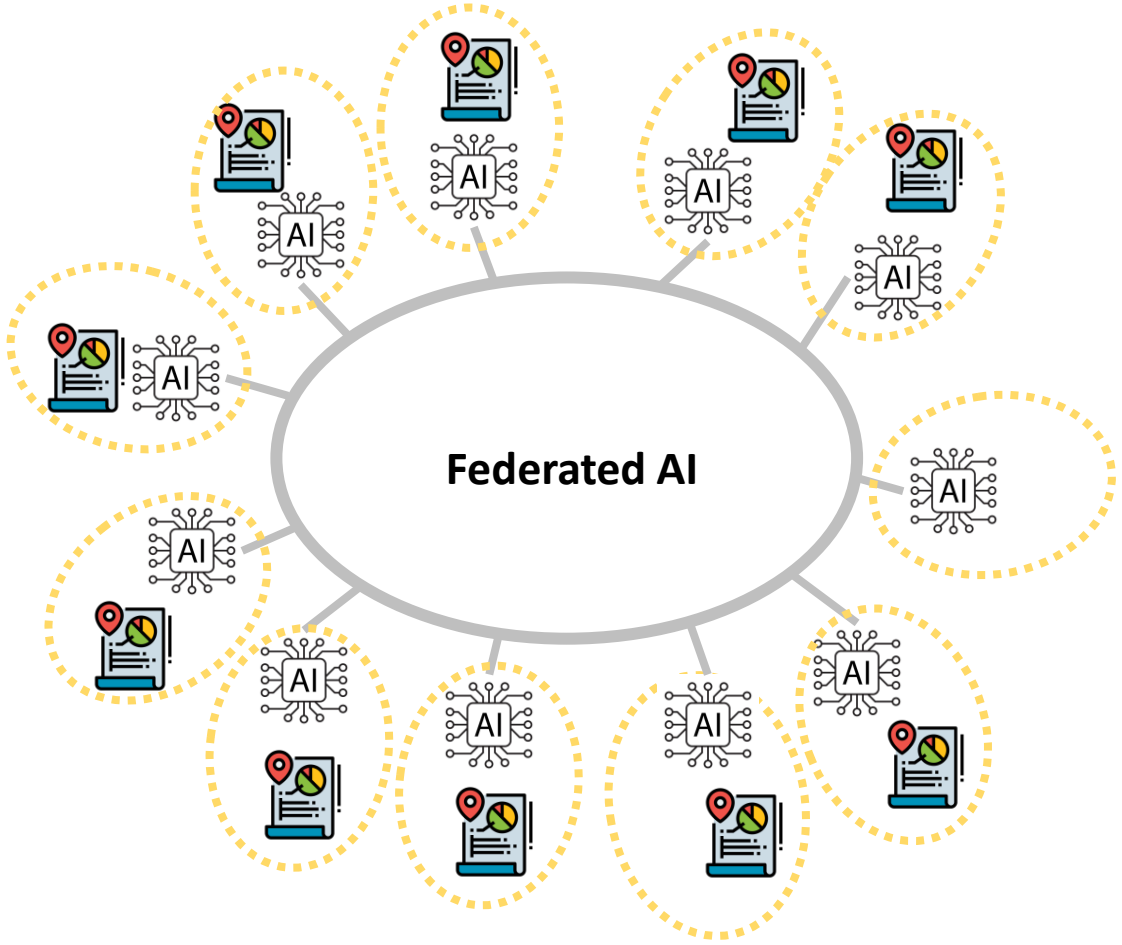
From Data Spaces into “AI Spaces” [Koshizuka-lab, 2024]



Data Monopolization
Data Hegemony

Huge General AI

VS.



Data Sovereignty

AI Space

http://www.koshizuka-lab.org/

This presentation is based on results obtained from the project,
“Research and Development Project of the Enhanced infrastructures for Post 5G Information and Communication Systems” (JPNP 20017),
commissioned by the New Energy and Industrial Technology Development Organization (NEDO).

Networking Lunch & Expo Area

13:00 – 14:00

Gaia-X Booth Programme

- **13:00 – 13:10 Sprints the agile member contribution |** Przemek Halub, Gaia-X, Program Manager
- **13:10 – 13:20 How to become a Gaia-X Evangelist** | Julien Vanwambeke, Gaia-X, Functional Architect

Maximising Synergies: DSBA, DSSC and Simpl Joined Framework for Data Spaces

14:00 – 15:00

Ulrich Ahle, Chief Executive Officer, Gaia-X

Ana García Robles, Secretary General, BDVA

Chandra Challagonda, Chief Executive Officer, FIWARE Foundation

Lars Nagel, Chief Executive Officer, IDSA

Manuel Mateo Goyet, Acting Head of Unit – Cloud and Software, European Commission

Moderator: Sille Sepp, Head of Urban Data Ecosystems, FinEst Centre for Smart Cities

Simpl Annual Community Event

30 January 2025

Autoworld, Brussels

European Commission

Driving Transformation: The European Data Strategy and Gaia-X

15:00 – 15:15

Tanja Alemany Sánchez de León, Deputy Director-General for Innovation Policy and Digital Economy, Federal Ministry for Economic Affairs and Climate Action, Germany

Closing Remarks

15:15 – 15:35

Pearse O’Donohue, Director, Future Networks Directorate, DG CNECT, European Commission

Final Remarks & Stage Pictures

15:35 – 16:00

Ulrich Ahle, Chief Executive Officer, Gaia-X

See you in Porto next year for the #GaiaXSummit25!