

Data Spaces Symposium

13:30

**Key role of telecommunication companies and ICT providers:
Enabling data spaces and providing infrastructures**

Focus session [Telco]

Key role of teleco companies and ICT providers

Enabling data spaces and providing infrastructures

Data Spaces Symposium
Warsaw, 12.03.2025

Christoph Mertens
Head of Adoption @ IDSA

DSBA



BDV
BIG DATA VALUE
ASSOCIATION



FIWARE
FOUNDATION

gaia-x



INTERNATIONAL DATA
SPACES ASSOCIATION

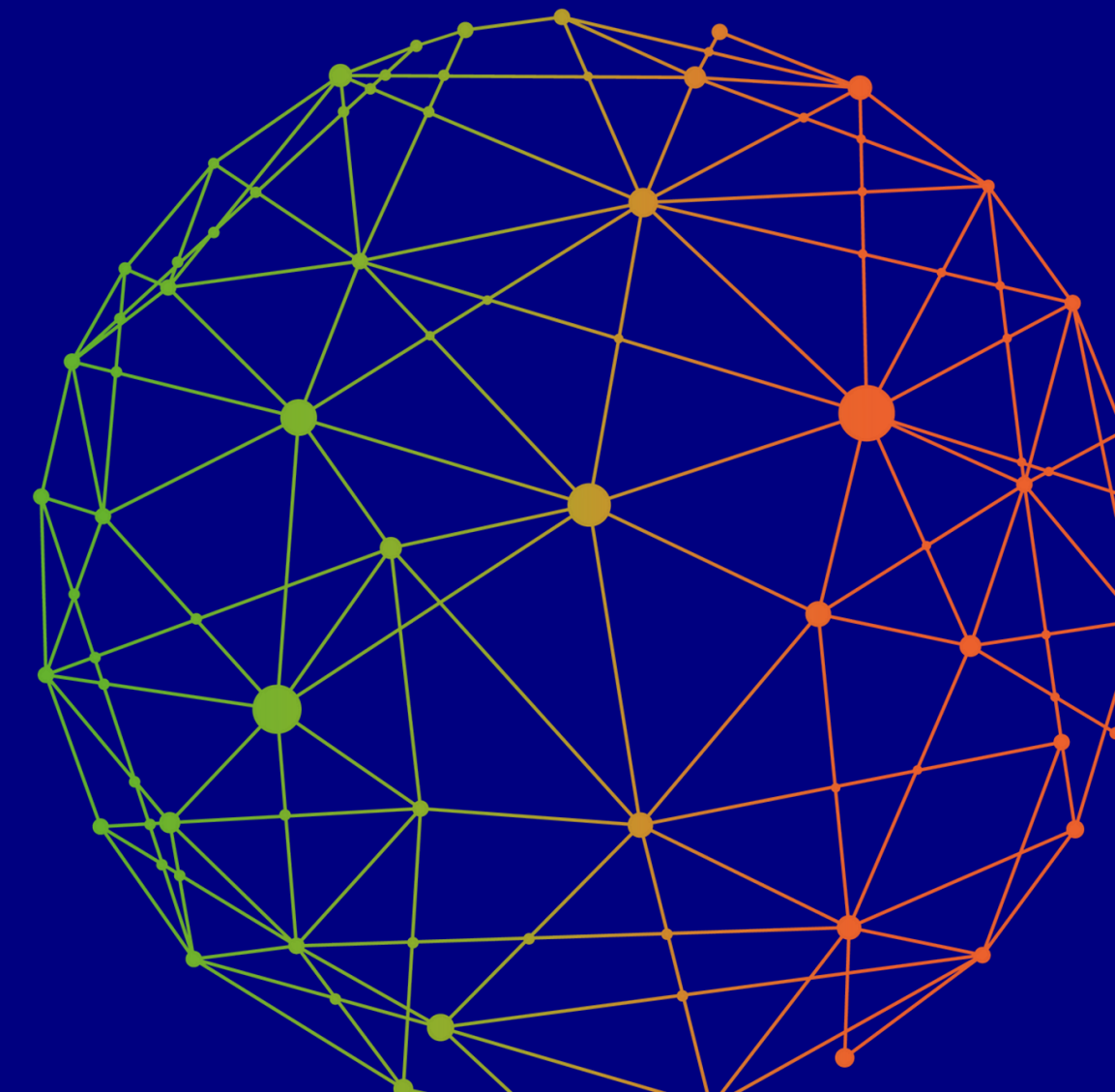


DATA SPACES
SUPPORT CENTRE



Funded by
the European Union

The Data Spaces Support Centre receives funding from the European Union Digital Europe Programme under grant agreement n° 101083412



Global Infrastructure for Data Spaces

INTERNATIONAL DATA
SPACES ASSOCIATION

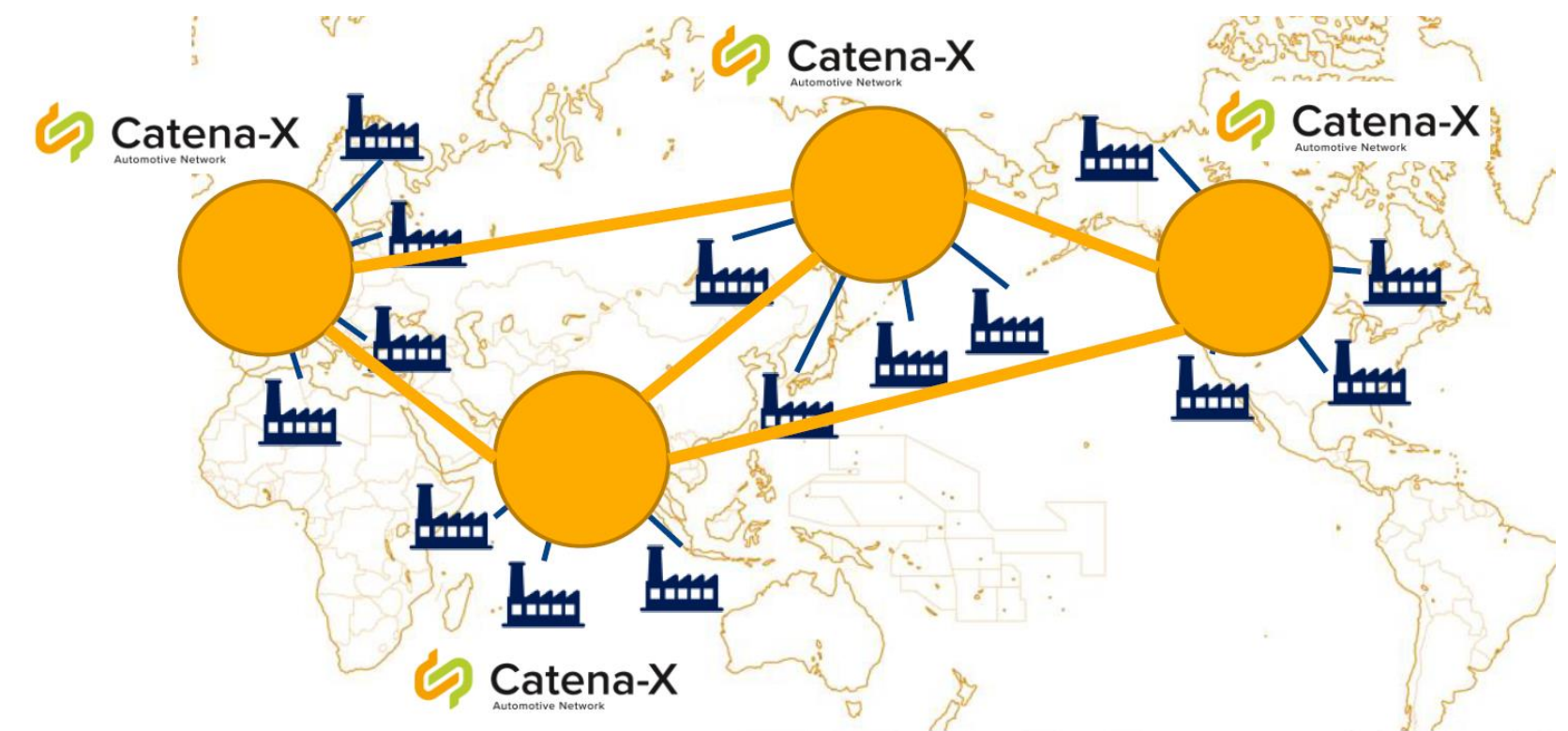
National telecommunication providers as key to success

- Data Spaces are data ecosystem aiming at a global and cross-border data exchange
- The reference architecture model (RAM) of International Data Spaces Association (IDSA) does not explicitly call for national infrastructure which is locally deployed
- Technically, to join a data space, all that is required is an IDS-based connector which is compliant with the governance of the data space
- Like with other data ecosystems the security that a customer “feels” is different from the one that is provided technically (e.g. data storage on local server vs. cloud solution)
- Therefore, a locally operated infrastructure for a data space that operates globally still could be beneficial
- In addition, a globally operated infrastructure will help to balance peaks in capacity utilization
- Key is an interoperable soft infrastructure, which is operated by companies that own a high level of trust in local markets such as telecommunication operators
- IDSA suggests to set up a first interoperable demonstrator between all G7 countries starting with Germany (Deutsche Telekom), Japan (NTT, others) and the Netherlands (KPN).



“Data Value creation relies on a soft data infrastructure that enables data exchange and data sharing while maintaining data sovereignty. The provisioning of the soft data infrastructure, especially to support SMEs in participation in data spaces, can be supported with the expertise and on the infrastructure of telecommunication providers. This will boost the adoption of data spaces.”

– Sebastian STEINBUSS, CTO of IDSA –



Example of Catena-X as a global network with national infrastructure (potential scenario).

The IDSA Telco Provider Community

A step towards standards for trusted network services

The goal:

We establish **international de-facto standards for trusted network and interoperability services** mainly in the B2B area, ensuring fair, secure, and interoperable data sharing on global scale.

The vision:

To become the leading provider of global **data space connectivity services**, enabling companies to seamlessly and securely access data spaces with the **simplicity and reliability** of a phone call - leveraging the existing infrastructure of national telecom carriers to drive digital transformation and collaboration worldwide.

Discover more



INTERNATIONAL DATA
SPACES ASSOCIATION



Community Founders

T-Mobile Systems

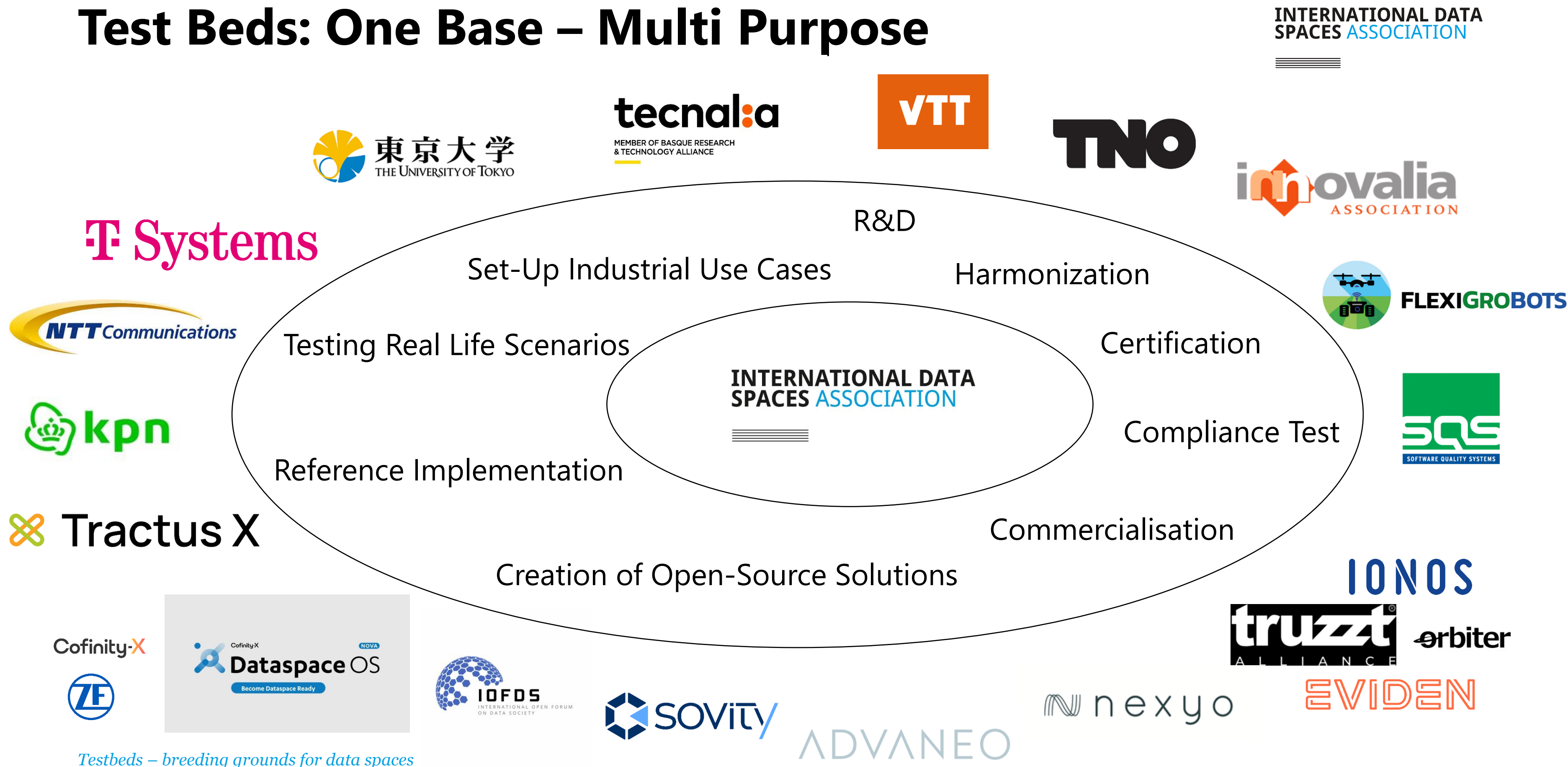


New Member

NEW

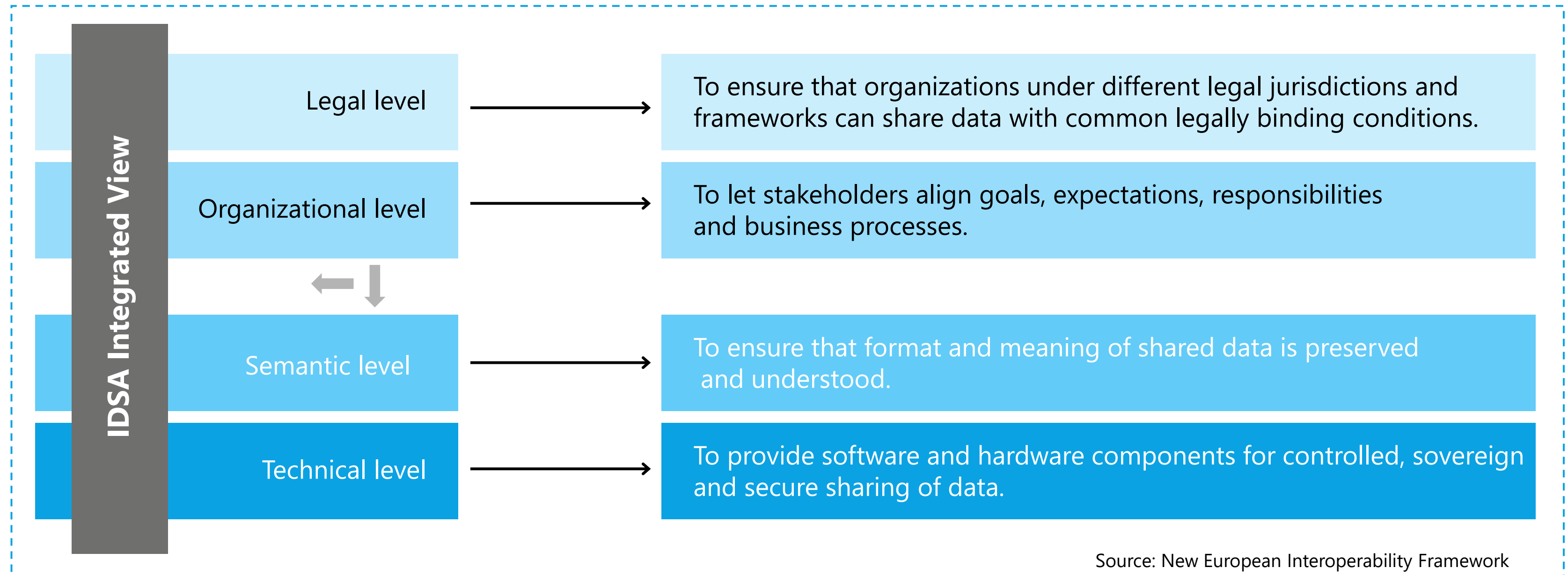


Test Beds: One Base – Multi Purpose



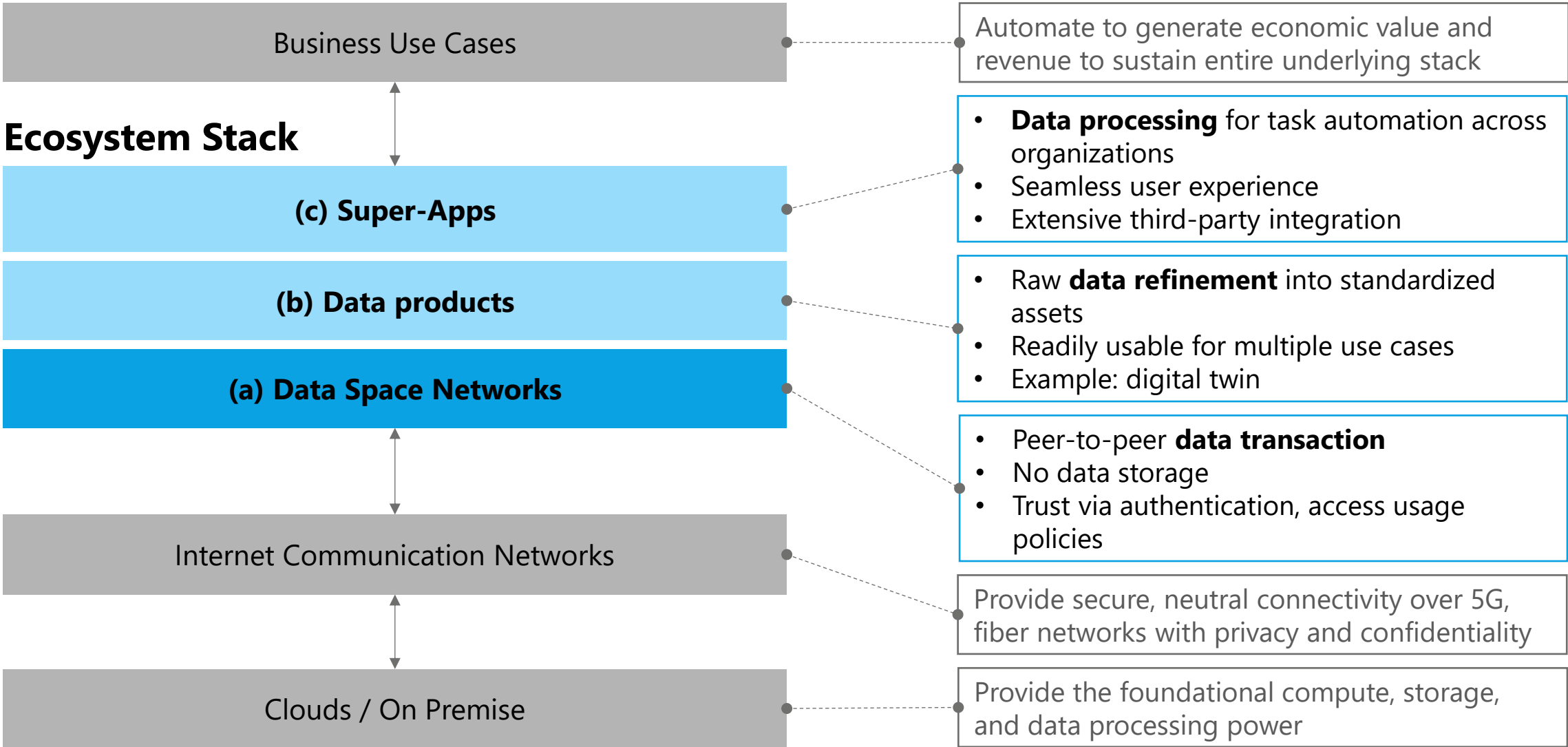
Testbeds – breeding grounds for data spaces

Layered model for interoperability



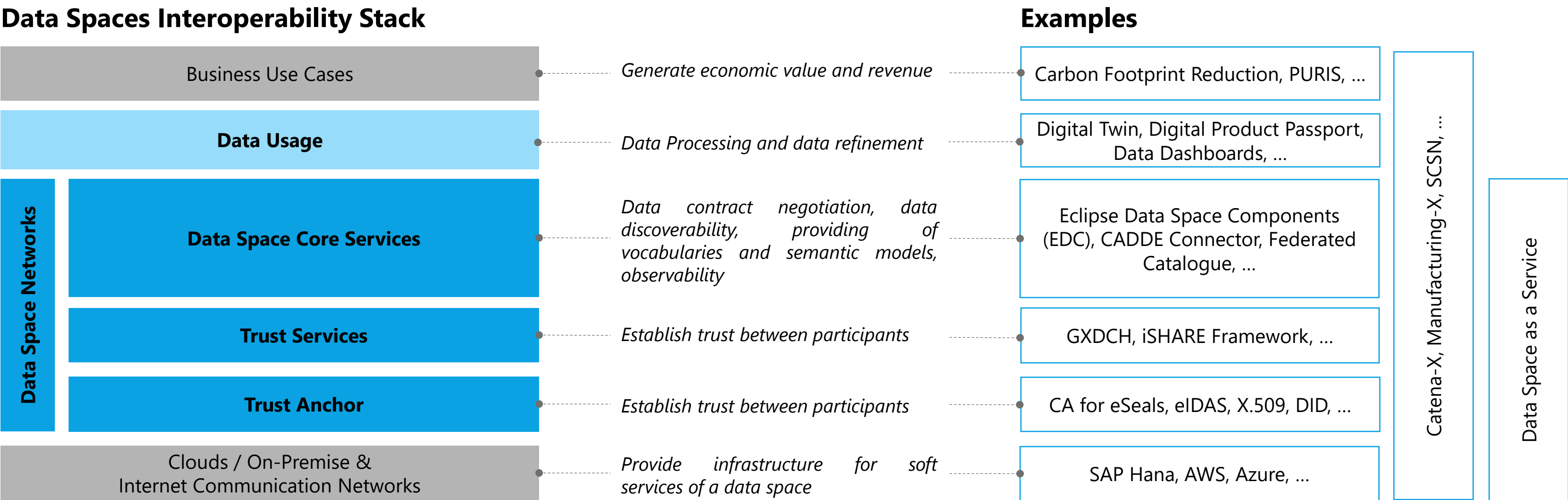
- **Intra data space interoperability**, between the data space authority, processing, and data sharing building blocks within a single data space instance
- **Cross data space interoperability**, between multiple data space instances at each of the functional levels

3-layer model of a data ecosystem's software stack



Interoperability Stack for Data Spaces

Aligning different perspectives



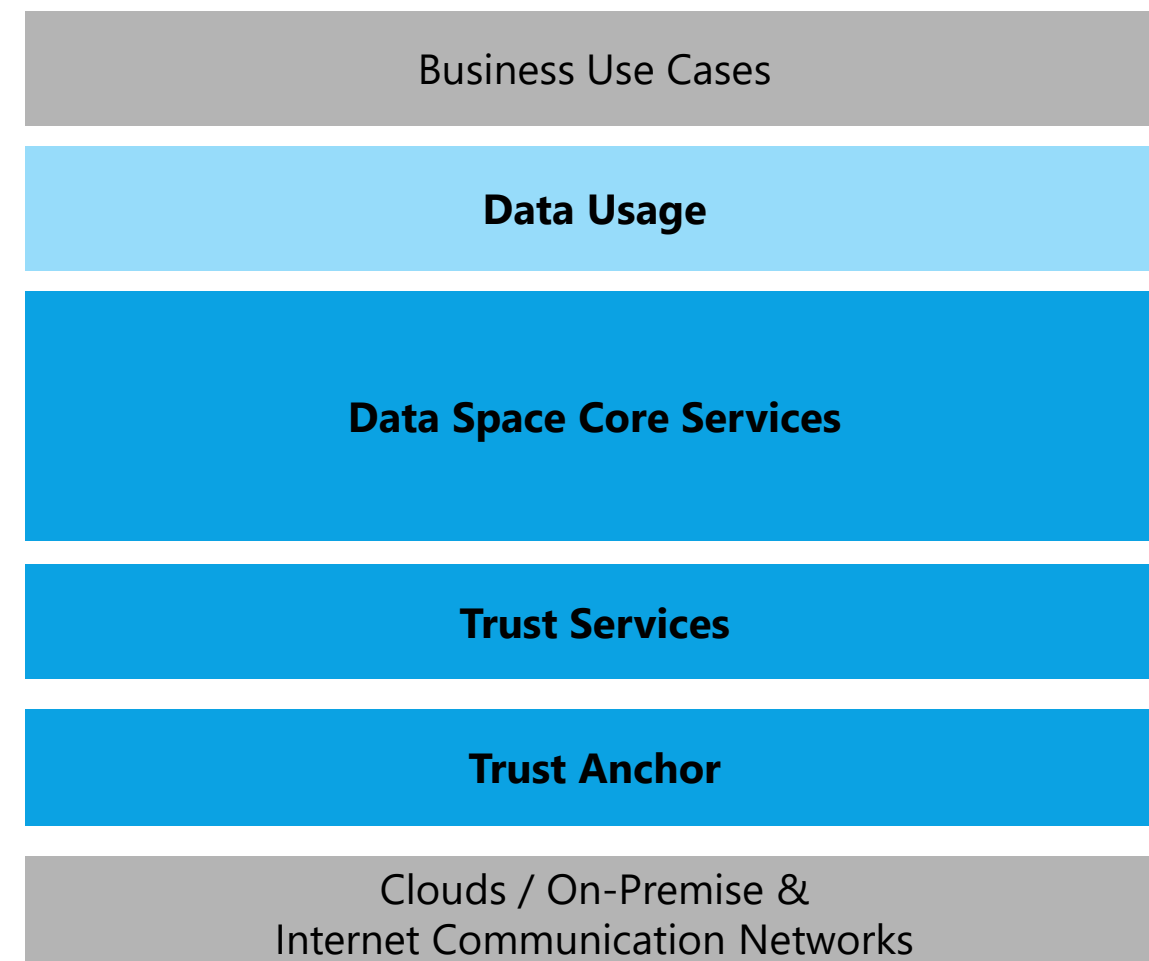
Interoperability on International Scale

Data sharing between different data spaces (x-domains, x-countries)

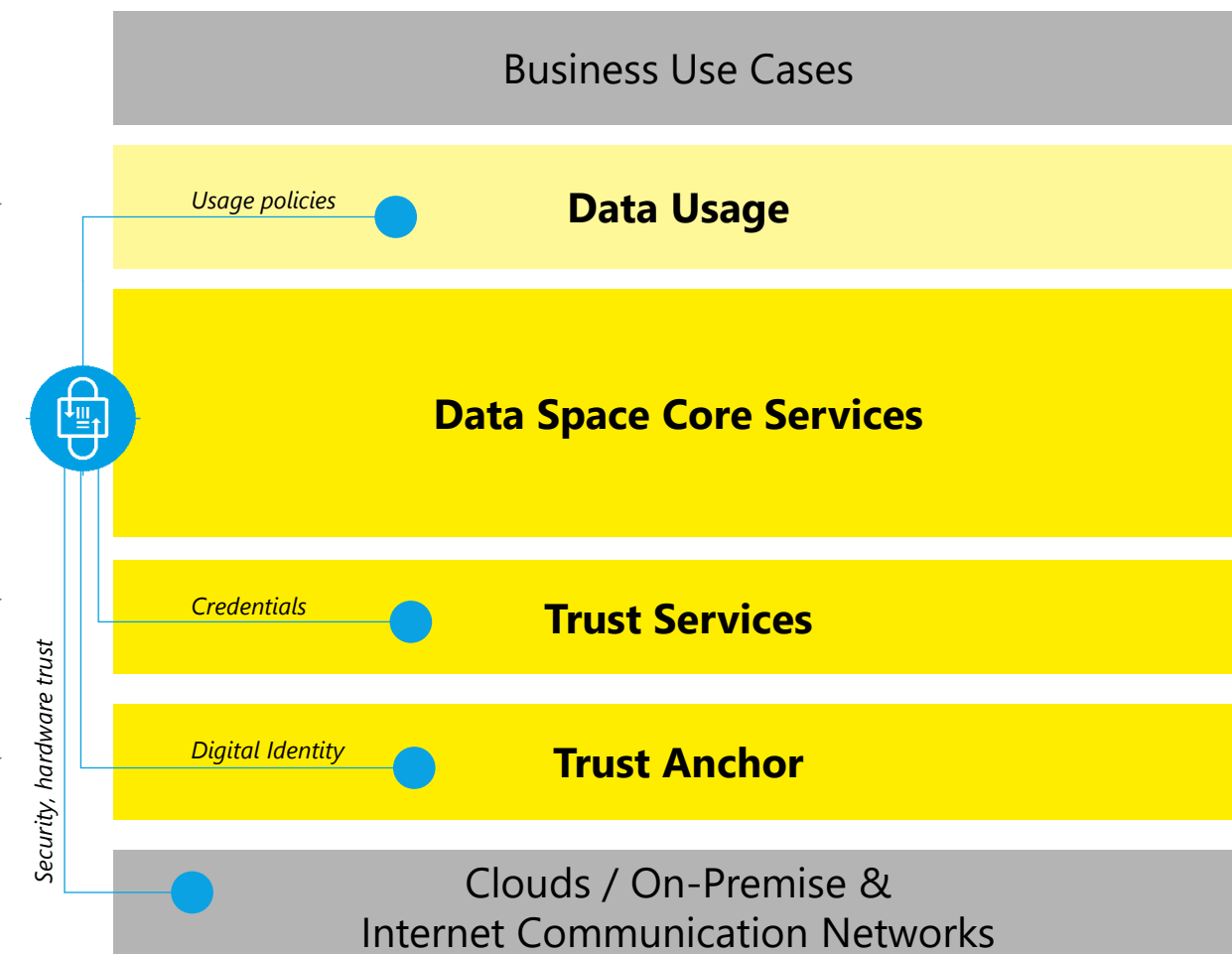
INTERNATIONAL DATA
SPACES ASSOCIATION



Participant 1 / Data Space 1



Participant 2 / Data Space 2



Data Exchange Protocols

Dataspace Protocol

Decentralized Claims Protocol

International Mutual
Recognition of Trust Anchors

Security, hardware trust

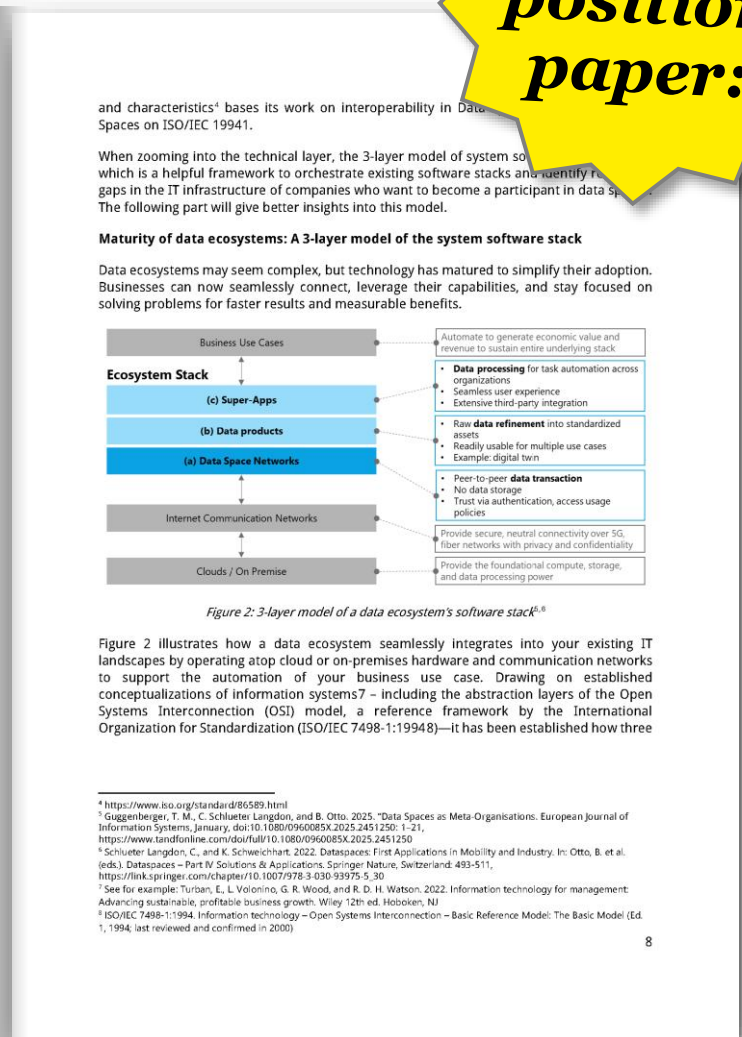
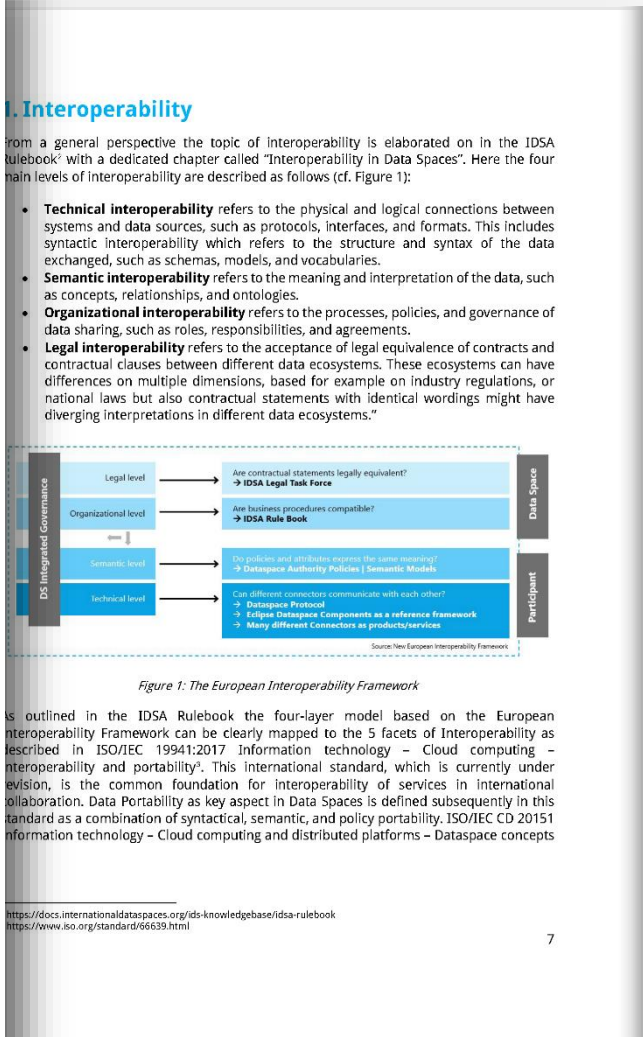
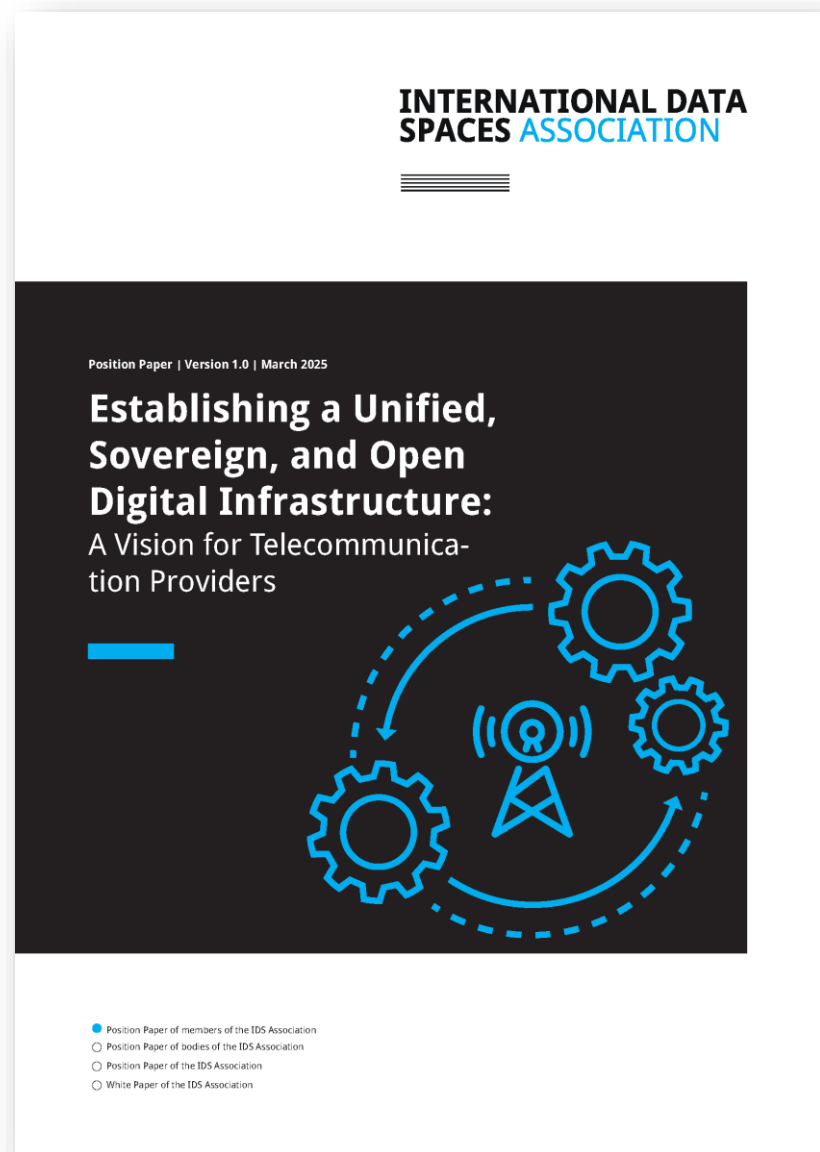
Interoperability Framework in Energy Data Spaces

INTERNATIONAL DATA
SPACES ASSOCIATION



*New
position
paper:*

- » **Telcos as Key Enablers:** Their expertise in global networks positions them to drive data space development.
- » **Lessons from GSM:** Collaboration and standardization can ensure interoperability in data spaces.
- » **Interoperability Model:** A structured framework addresses technical, semantic, organizational, and legal layers.
- » **Case studies** from major telcos showcase successful implementations and collaborations





INTERNATIONAL DATA
SPACES ASSOCIATION



Data Sharing is better

than playing alone!

Data Spaces Symposium

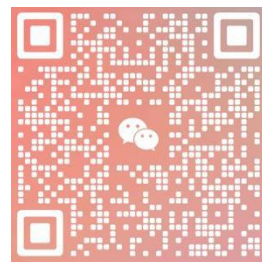
Sven Löffler



Let's stay in contact!



LinkedIn



WeChat



Line

Key responsibilities



Director, Dataspaces & Data Products



IDSA Ambassador



Steering Committee member at Eclipse Dataspace Working Group (EDWG)



Steering Council member, Manufacturing (M-X)



Steering member Gaia-X Federated Services for Clearing House Providers



Project lead T-Systems & Business Owner (C-X Consortia phase 1 for IAM, portal, dataspace components)

Expertise fields

+25 years of experience in the field of Data, AI, Dataspaces & Data Products

Worked previously for Cognos, IBM & Deutsche Telekom



Secure data exchange with data sovereignty protection should be as easy as a telephone call today

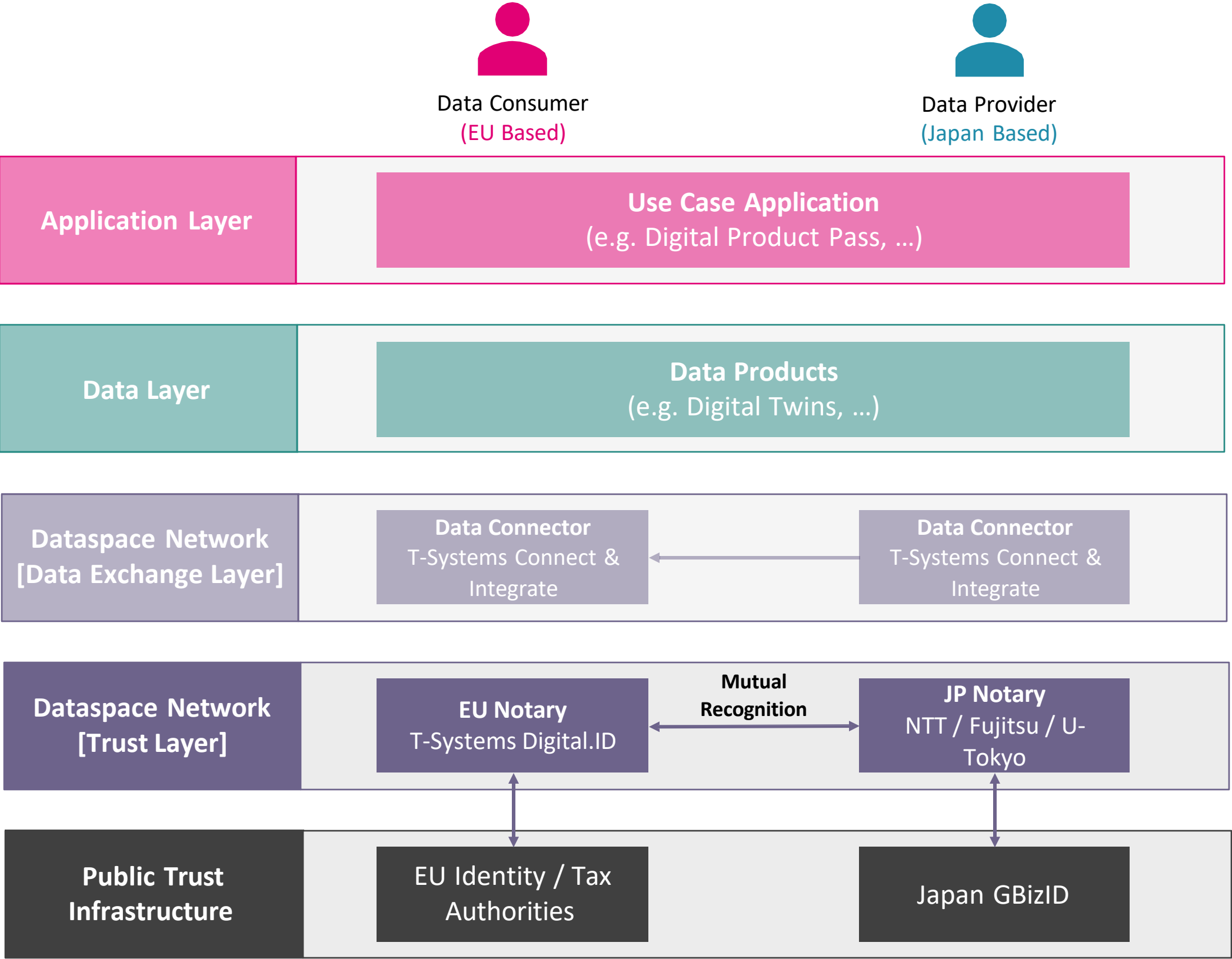
CONTROL

Enablement of data driven ecosystems for secure data exchange of any data where data owners keep control over data usage

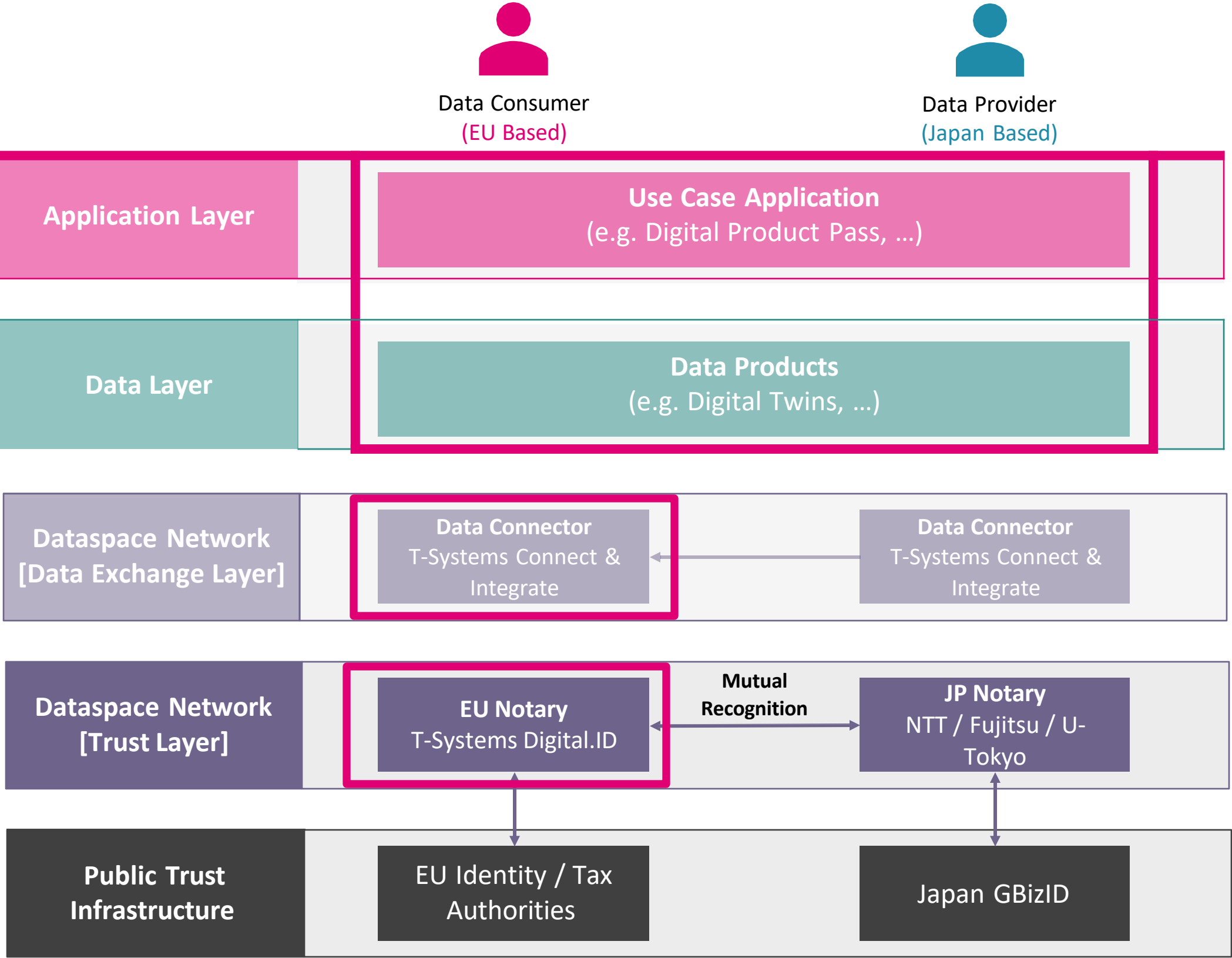
TRUST

Trustworthy AI with dataspaces on sovereign data infrastructure

Dataspace layers



Dataspace layers



Home

Prepare

Provide

Consume

Govern

Applications

Monitor

Help

Collapse sidebar

Connect & Integrate

Need help getting started?

Open Wizard

Your assets 197

Your policies 221

Provided agreements 18

Consumed agreements 33

Your connectors 2

Use cases

DCM

ECU-TEST

Sustainability & CO2-Footprint

Traceability

Help

Get to know your Connect & Integrate

Need help in finding the right plan, more info, technical questions?

Integrator documentation

Get API documentation to get started

Browse >

Tutorials

Find use cases and demos relevant to your Industrial sector

Browse >

Glossary

Find the Terms and Definitions related to Data Intelligence Hub, IDSA, Catena-X, Gaia-X and more.

Browse >

Join us at Hannover Messe 2025



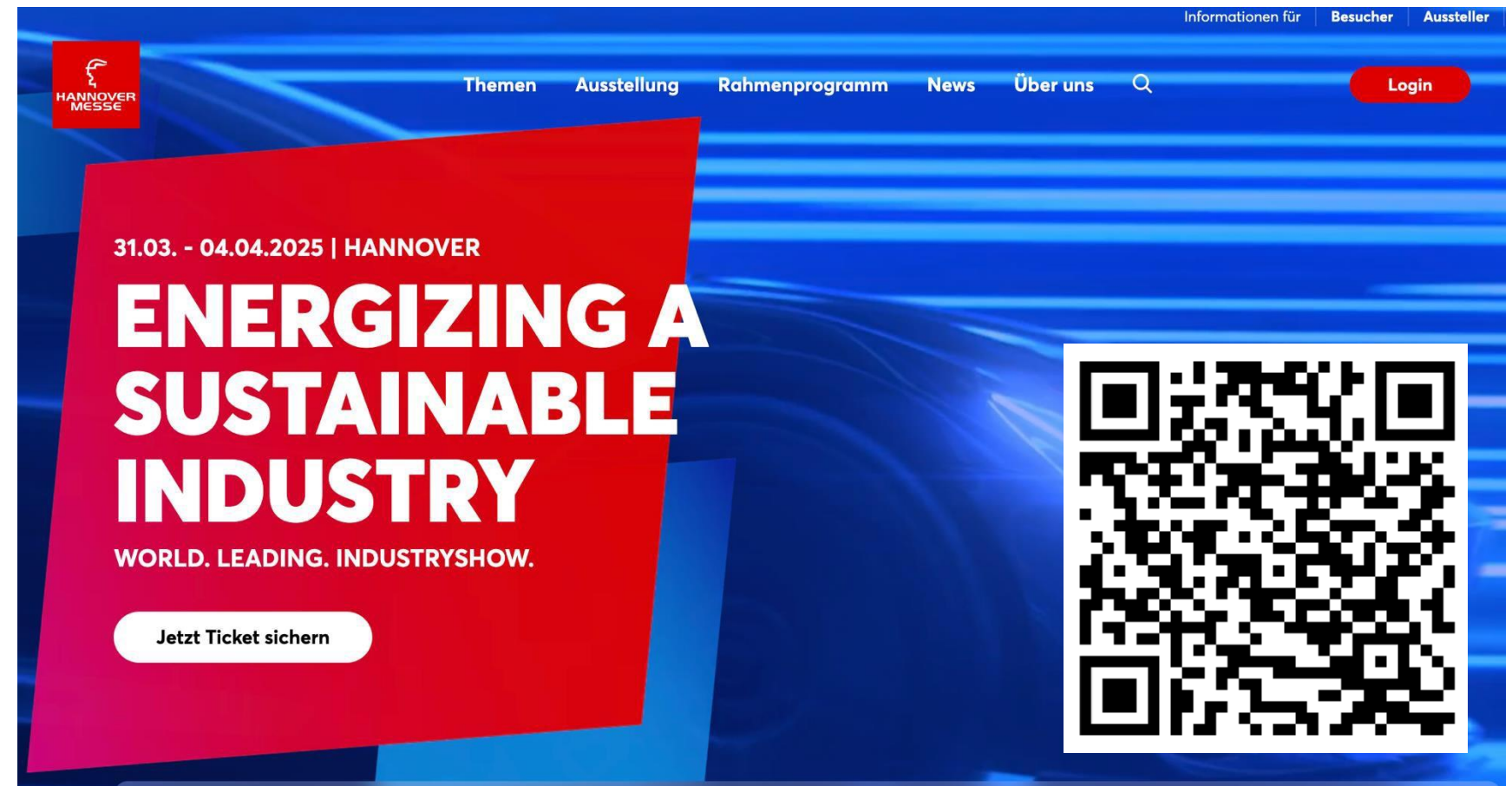
Sven Löffler

Lead, Dataspaces and
Data Products

sven.loeffler@t-systems.com



[Visit our website!](#)



T-Systems activities:

- **5 booths:** VDMA-Umati, Catena-X, Factory-X, RoX, T-Systems metaverse applications ...
- **11 talks:** featuring Ford, Flex, DeltaDao, NTT Communications, Cofinity-X, GDSO, Siemens, Gaia-X ...
- **Topics:** Dataspaces across industries (Manufacturing, Automotive, Robotics...), AI readiness, Federated identities, supply chain transparency ... **and much more**

Contact us to schedule a meeting and get your free ticket!

Cross-border data sharing

Key role of telecommunication companies and ICT providers: Enabling data spaces and providing infrastructures

Data Spaces Symposium 2025

Masaru Dobashi (NTT DATA Group)
2025-03-11

DSBA



INTERNATIONAL DATA
SPACES ASSOCIATION

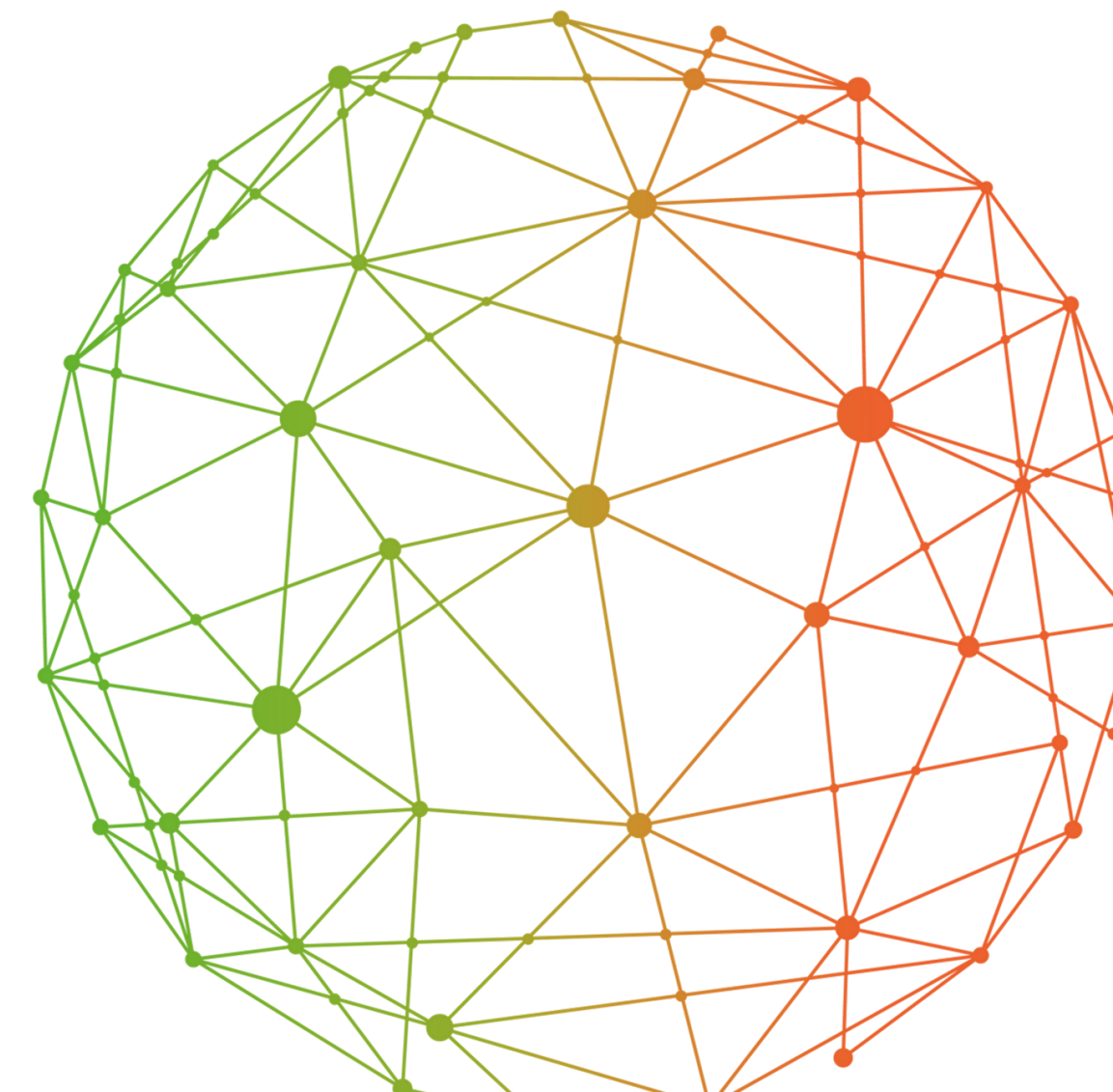


DATA SPACES
SUPPORT CENTRE



Funded by
the European Union

The Data Spaces Support Centre receives funding from the European Union Digital Europe Programme under grant agreement n° 101083412



Masaru DOBASHI (土橋 昌)

NTT DATA Group Corporation



Other affiliation:

IT Promotion Agency (IPA)

University of Tokyo (Visiting researcher)

Data Society Alliance (DSA)

IDSA Ambassador

etc.

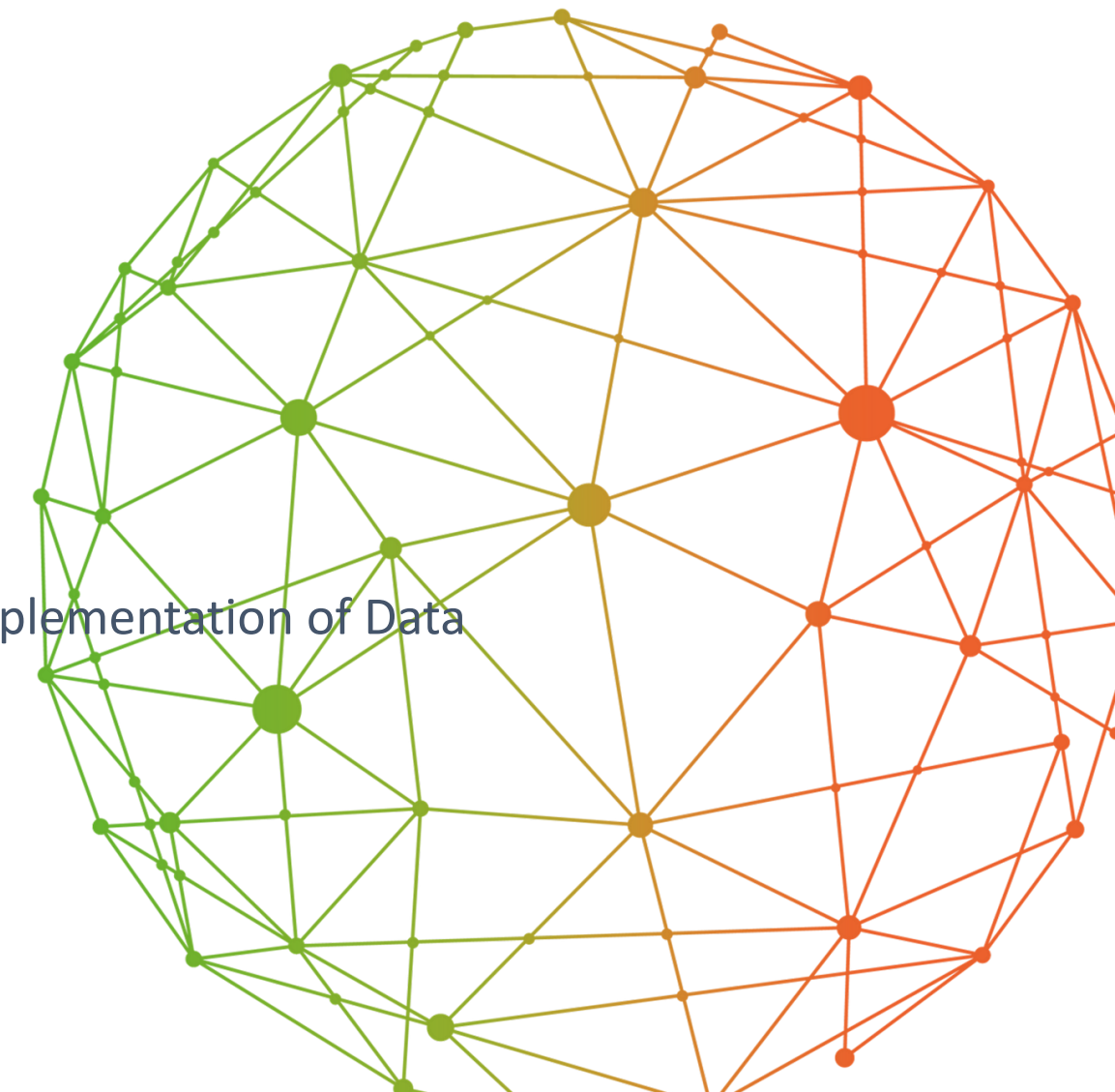
Expertise area:

Data platforms in enterprises

Machine learning engineering

Technology development, providing knowledge and social implementation of Data Spaces

etc.





Contents

- 1. Introduction**
- 2. Overview data spaces engagements NTT DATA**
- 3. Examples of use cases**
- 4. NTT DATA's Foresight**



NTT DATA's data spaces engagements overview

Increasing importance and challenges of inter-company data collaboration

There are some needs such as regulatory compliance and the realization of industrial DX, which are difficult to be tackled by individual company alone, or which are to improve efficiency through cooperation among multiple companies. As such, there is a need for a mechanism to solve the problems specific to inter-company data collaboration.

Background

It's a growing social imperative
Compliance with regulations

For the data origin
Realization of industrial DX

Realization of carbon neutrality

Supply and demand optimization

Tracking of resource recycling

Human rights
Due diligence

Healthcare-related
data utilization

Forecasting



Issues

The long value chain requires
Many-to-many data distribution

Massive numbers of
suppliers

Different laws and rules
in the international transaction

Inefficiency of multiple actions
for the same purpose

**Data sovereignty
in the competitive area**

Confidentiality
for competitors

Appropriate data utilization
between business partners

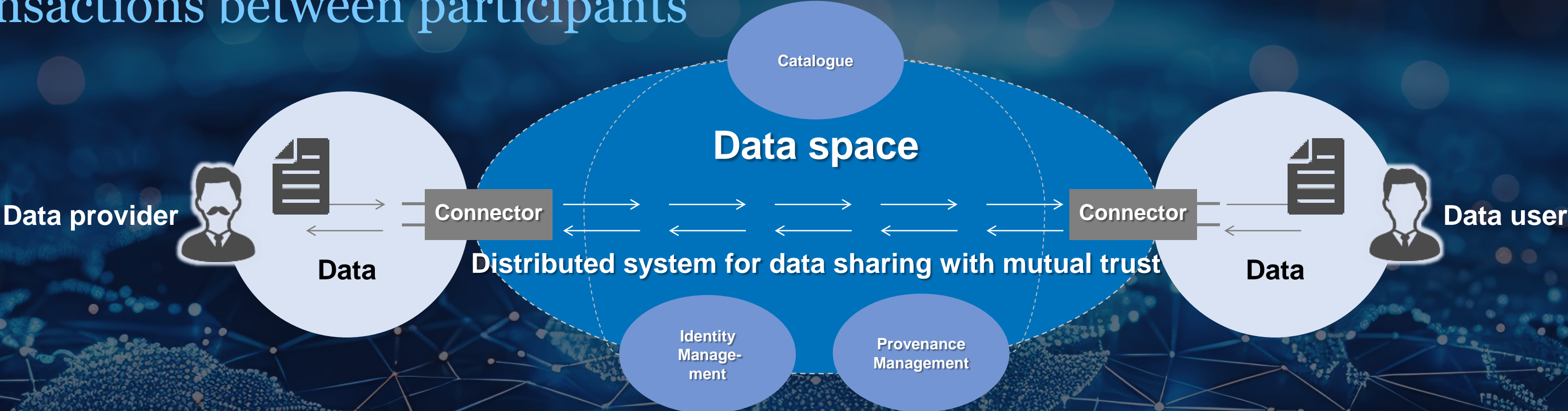
Personal Data

Prevention of
unintended use

It is difficult to solve
Common problems
by a single company

**Requirements for
inter-company
collaboration**

Data Spaces: A decentralized ecosystem for secure and trustworthy data transactions between participants



Key points in building a data space

"Federal" data linkage infrastructure

- Protect the "data sovereignty" of companies and industries
- Data distribution infrastructure that links existing data infrastructures

Collaboration between government and industry to realize ecosystems

- Integrated development of policies, industry rules and infrastructure
- Involvement of the entire industry by the security of public interest

Value of the data space

Issues

Proliferation of ways

Uncertain credibility

Difficult to find and utilize data

Feature

Standardized rules to share data

Common way to utilize trust services

Catalogue and utilization of variety of data planes

The Role of NTT DATA as a Pioneer in Data Collaboration Infrastructure

Even before the concept of data spaces became widespread, NTT DATA has been implementing and operating infrastructure for data collaboration across companies and organizations worldwide. As companies transform their business systems to be data-driven on a societal scale, NTT DATA will realize and operate data spaces and inter-company data collaboration mechanisms rooted in the thinking and practices of each region.

Data Collaboration Infrastructure by NTT DATA

Our Role



Health Care

ehCOS is NTT DATA's patient-centered solution by sharing their information between the different organizations that make up the healthcare ecosystem.



Finance

NTT DATA has developed and operated the **Zengin System**, a inter-bank transaction system connected by almost all banks in Japan.



Smart City

NTT DATA is promoting smart city projects in collaboration with municipalities in Japan, Europe, North America, and South America.



Logistics

IoT*Trace* is a traceability solution provided by NTT DATA. This system is designed to record and track the movements and history of goods and components throughout the entire supply chain.

Deep understanding of the regulations and customs of each region

Best practices for data collaboration across organizations

Operating data spaces and inter-company data collaboration mechanisms

Supporting industry groups and public institutions in creating data connection mechanisms.

NTT DATA leads actions related to Data Spaces collaborating with international initiatives as the global company

NTT DATA is a global company that collaborates with international initiatives, contributes to technology development, and supports projects in Japan, Europe, and elsewhere.

A world map with a grid pattern, highlighting several international data space initiatives with labels and logos. The initiatives include:

- INTERNATIONAL DATA SPACES ASSOCIATION** (Logo)
- BDV BIG DATA VALUE ASSOCIATION** (Logo)
- PPDS**
- Healthcare**
- Ouranos Ecosystem**
- Mobility Data Space**
- Green Deal Data Space**
- Catena-X**
- The Japan Mobility Dataspace**
- DATA-EX**
- U. Tokyo Testbed**
- IOFDS INTERNATIONAL OPEN FORUM ON DATA SOCIETY** (Logo)

Leaders of Data Space teams

A group of approximately 15 people, including men and women of various ages, are posed for a group photo. They are standing and sitting in a modern office environment with large windows and contemporary furniture. Some individuals are holding laptops or tablets.

A complex diagram illustrating the data space ecosystem. It shows various systems of member organizations (AWS, Azure, SAP, etc.) connected to a central hub. The hub is labeled 'INTERNATIONAL DATA SPACES ASSOCIATION' and includes sub-sections for 'CADDE Testbed', 'IDSA Testbed', and 'FIWARE Testbed'. The diagram also shows data flows and interactions between different components.

Recently News: our data spaces activities

Forbes Japan

Insightful article on Forbes about NTT DATA's data spaces activity.



<https://forbesjapan.com/articles/detail/77636>

NTT DATA's News Site

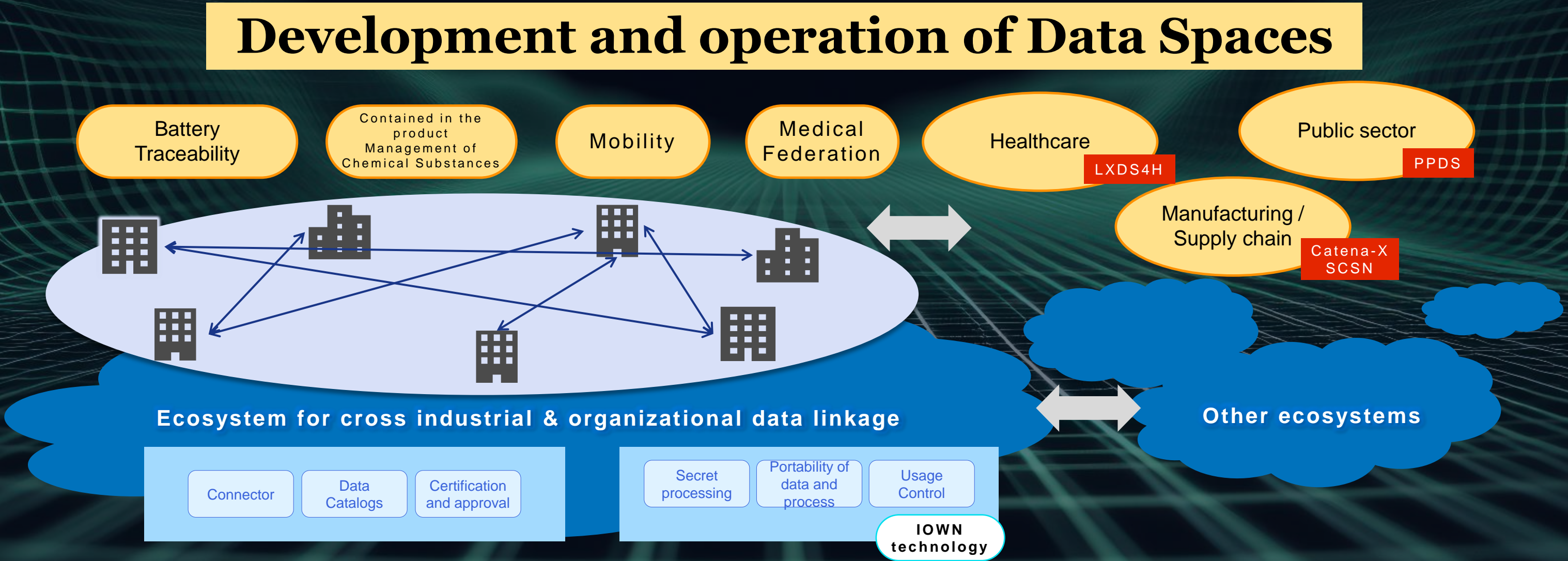
Created NTT DATA's global team for data space cooperation and new business creation that transcends countries and regions.



<https://www.nttdata.com/global/ja/news/topics/2025/031001/>

NTT DATA is realizing Data Spaces ecosystems as the social infrastructure not only in Japan but also in the world

We have developed and contributed to realize the common technologies required for data spaces in multiple projects in each region. By adding applied technology and cooperation, we realize a society where more user companies can distribute data globally.

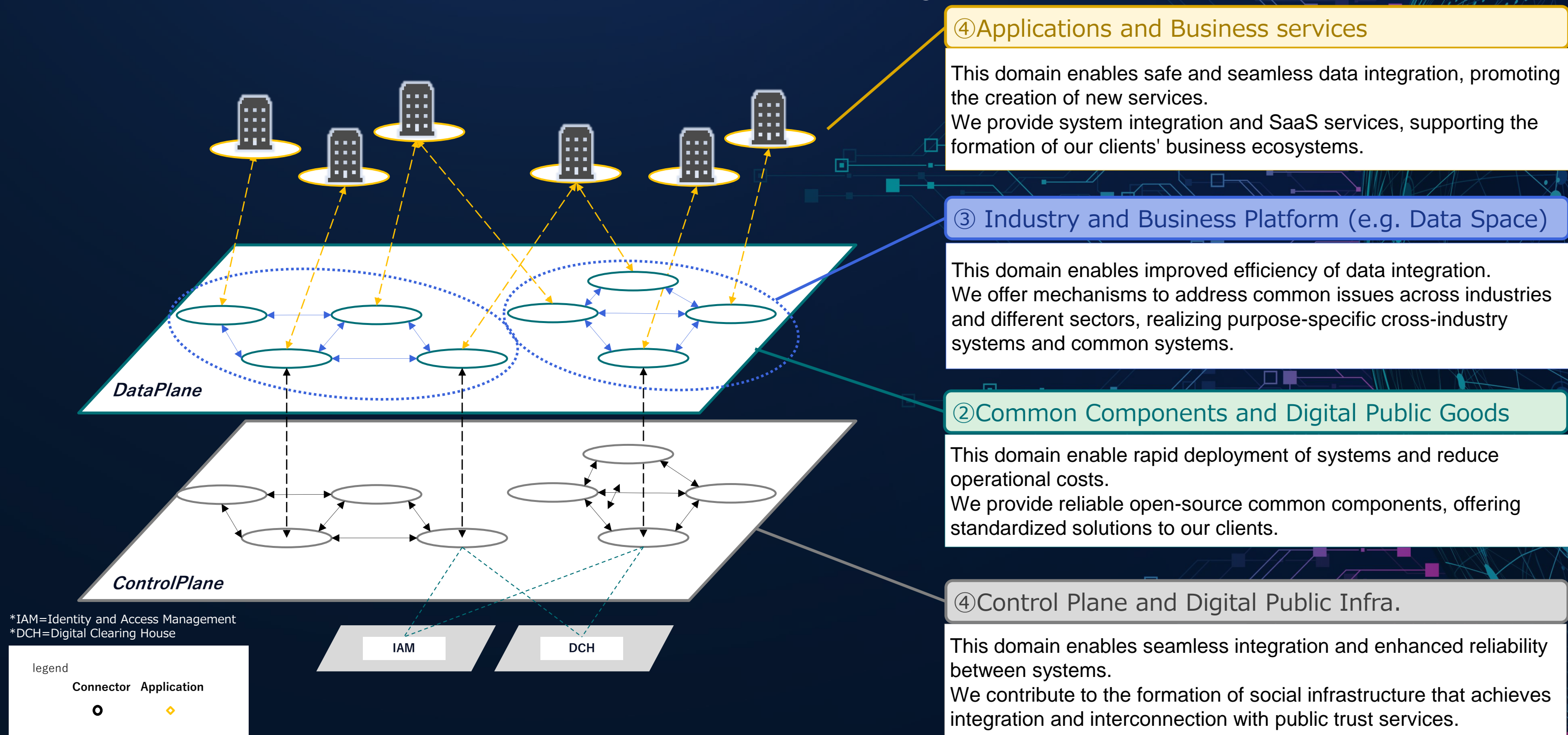


Provide common functions via our enablement service and framework

Lead evolving of Data Space features

NTT DATA provide cross-area solutions for inter-company data integration.

To address the challenges of inter-company data integration and ensure reliability and interoperability, we concentrate on four key areas. Users benefit from our comprehensive cross-area solution, 'Flexible & Trusted Data Collaboration (Draft)※1', which provides <something>.



NTT DATA Global Data Spaces Solutions

Applications and
Business services

Business
Consulting

Enterprise Application

SaaS

Industry and
Business Platform

Data Space
Building Consult

Data Enrichment
(Data processing, Analysis)

Managed Service

Common
Components and
Digital Public
Goods

Connectivity
(Connector, Interoperability)

Digital Trust
(ID management)

Data Governance
(Usage Control ,Catalog)

Control Plane and
Digital Public Infra.

Privacy Enhancing Technology

Infra Service Technology

Example of Activities to Improve Confidentiality to Leverage the Effects of Data Spaces Connectivity

While connecting with partners is vital in our digital age, protecting communication privacy remains our core commitment. This ensures stakeholders can trust systems with each other completely.

Video

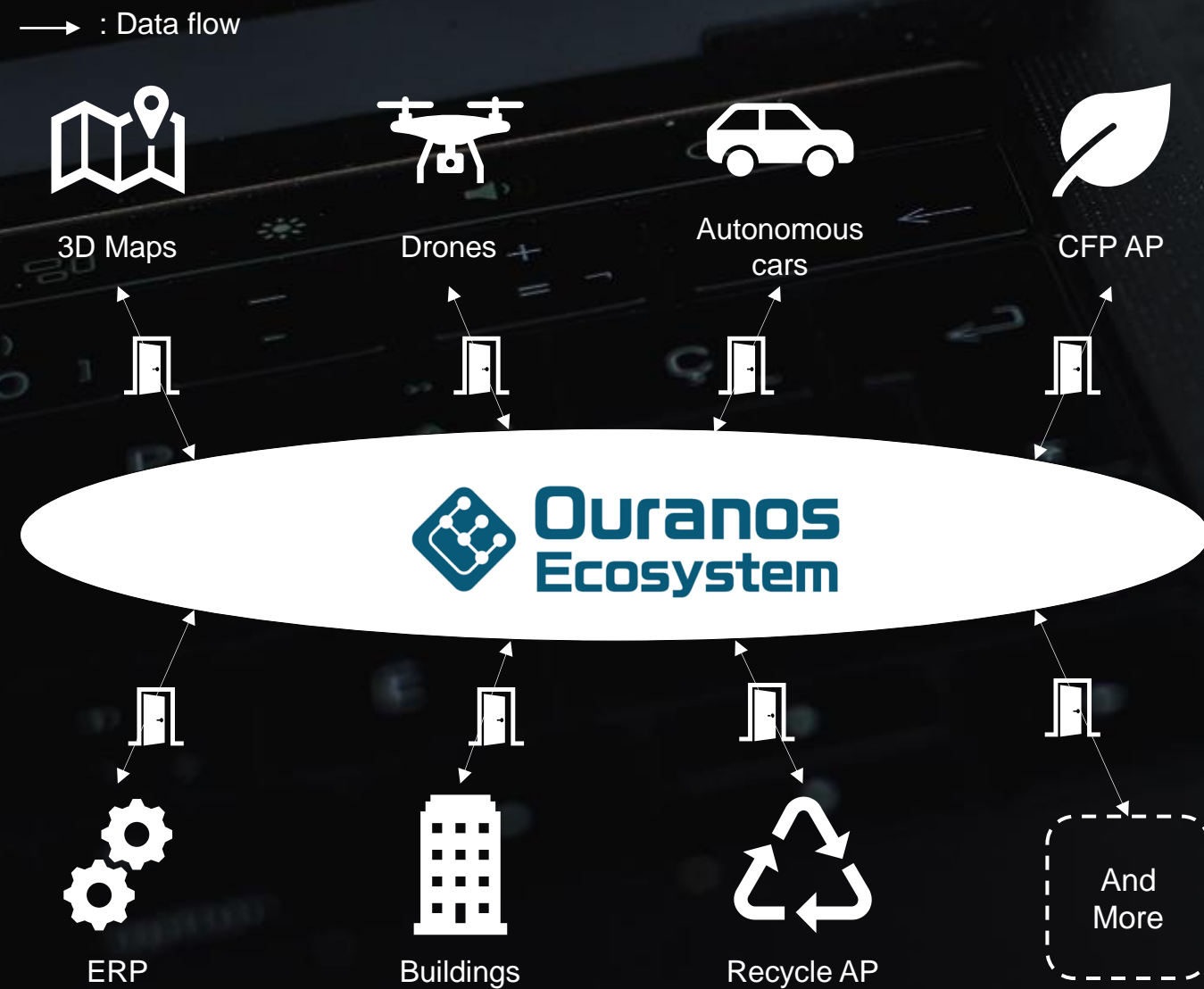


Examples of use cases

[Japan] Ouranos Ecosystems

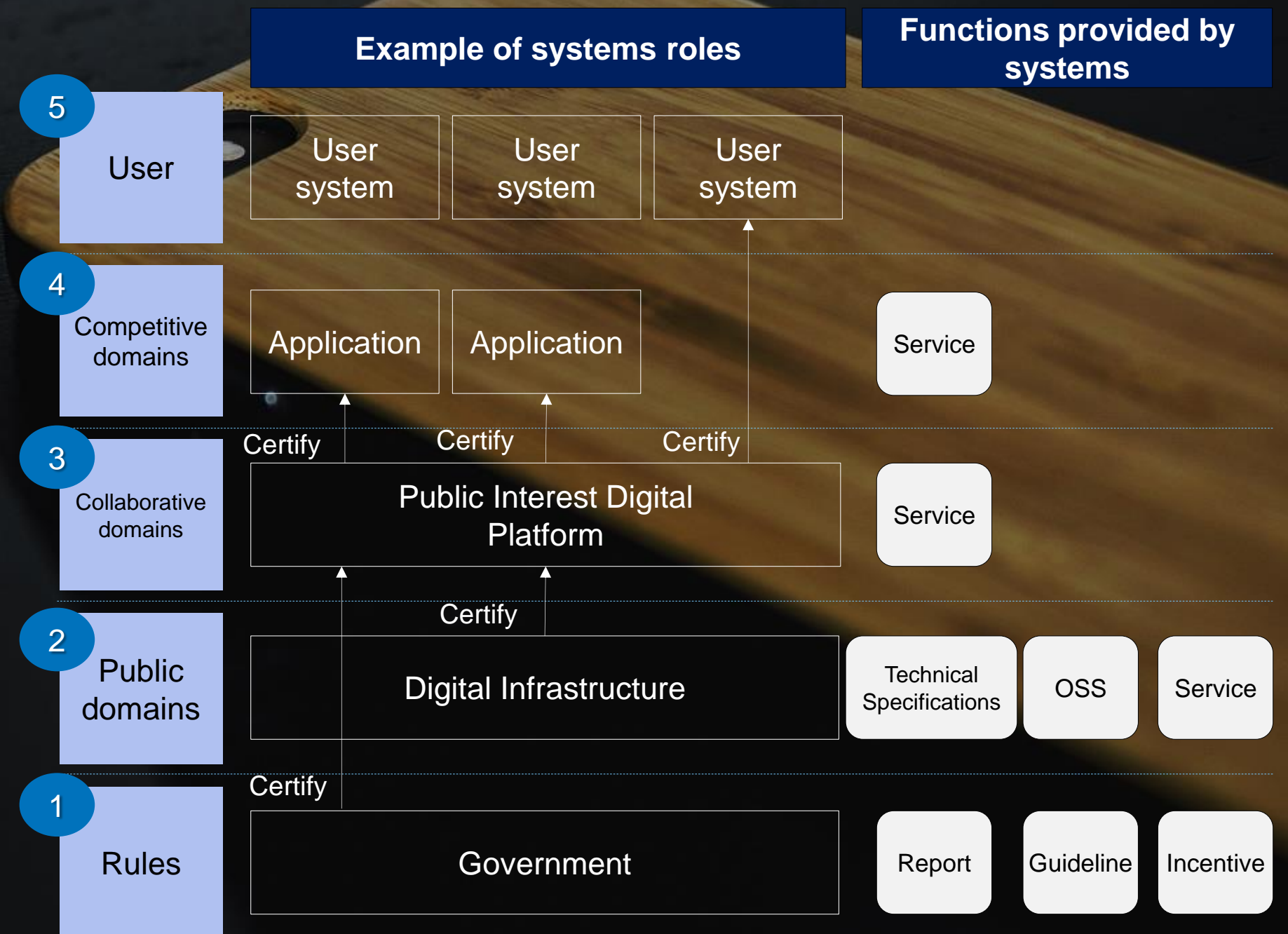
- ✓ **Ouranos Ecosystem is an industry-government-academia joint initiative** led by the Ministry of Economy, Trade and Industry(*) that aims to realize data distribution and utilization across companies, industries, and overseas. The goal is to realize "Society 5.0" and ensure interoperability regarding data distribution with other countries.
- ✓ Regarding a system ecosystem design, **roles and functions of systems are defined at each layer**, with a clear distinction between competitive and cooperative domains. The government certifies systems, so that systems can be interconnected with each other while ensuring safety, reliability, and interoperability.

Data distribution and utilization



Reference: Guidelines for Data Linkage in the Supply Chain Alpha Edition (CFP and DD related to storage batteries)
May 2023 the Ministry of Economy, Trade and Industry & Digital Architecture Design Center (DADC)

Ecosystem structure

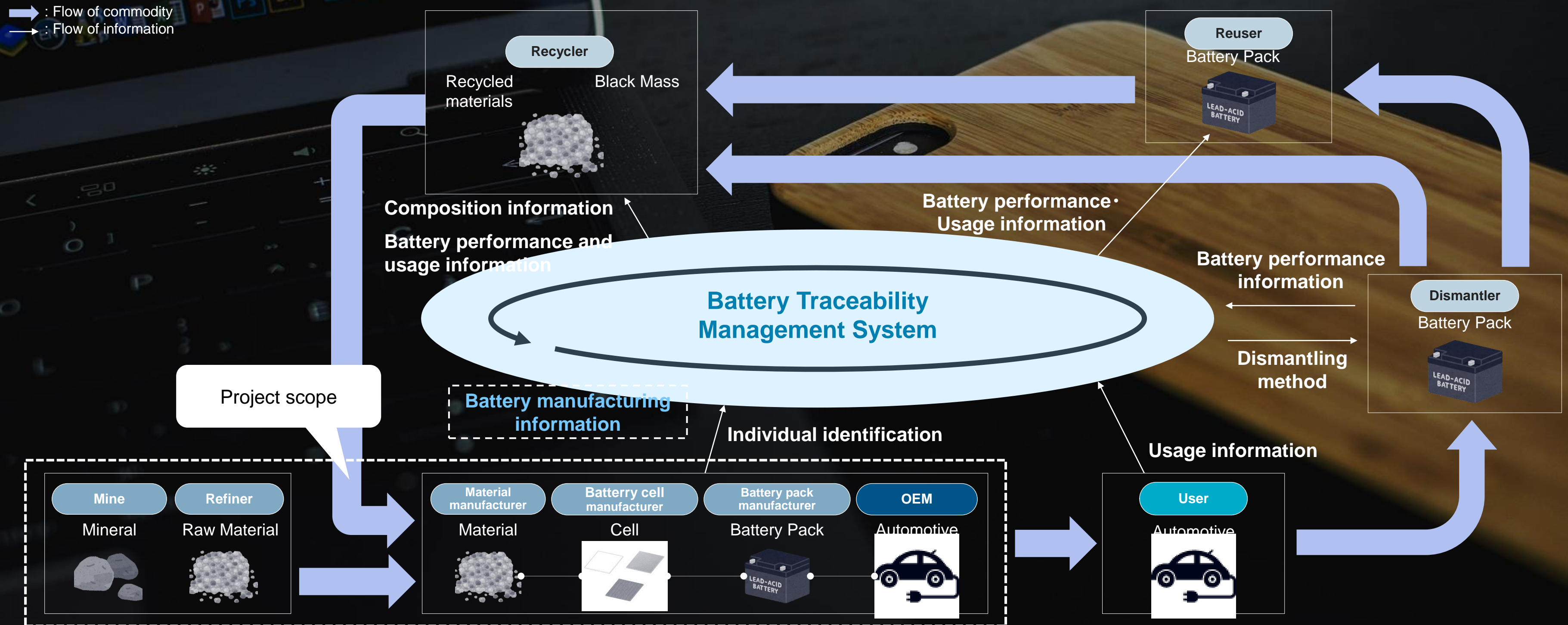


(*)Ministry of Economy, Trade and Industry is one of Japan government offices.

[Japan] The lighthouse project of Ouranos Ecosystem: Battery Traceability Management System

The system shares necessary information to realize a circular economy while ensuring data sovereignty among companies related to battery production and reuse.

Battery Traceability Management System image



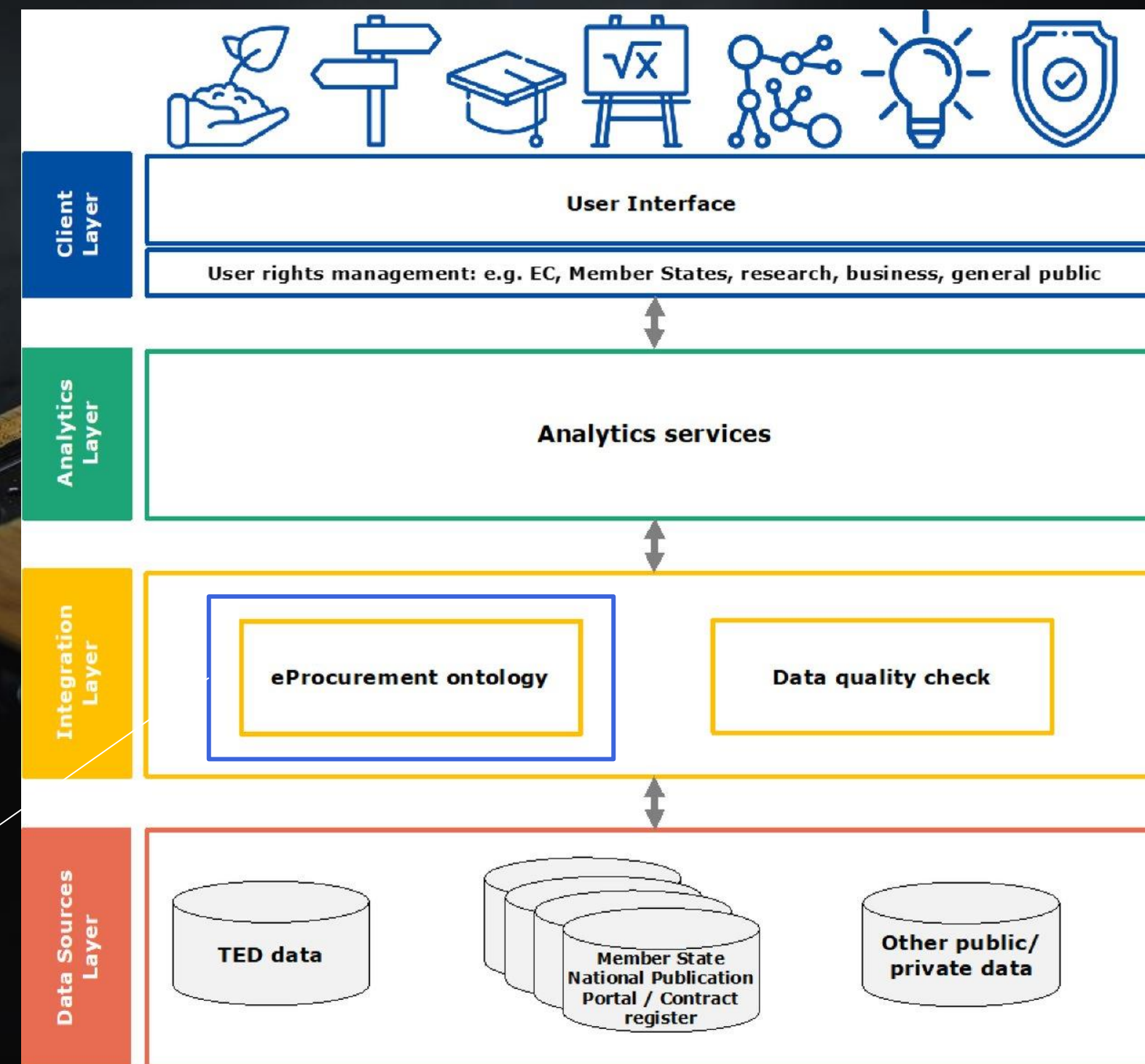
[Europe] Public Procurement Data Space

Highlights:

- ✓ Interoperability ecosystem for the whole EU, every Member State Procurement Data
- ✓ First European Data Space delivered – June 2024
- ✓ Strong business cases over PP data analytics
- ✓ Great governance and technical challenges overcome
- ✓ Interoperable with SIMPL and in SIMPL Live roadmap for onboarding

NTT DATA's Role: Full – E2E Data Space lifecycle

Procurement data is stored as the ontology.
Users can query various data via User Interface.



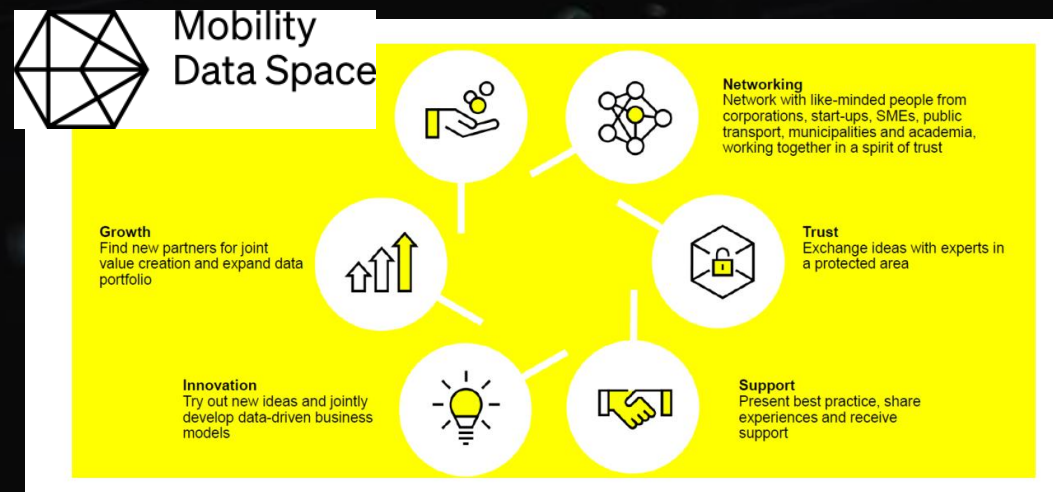
Ref) <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52023XC0316%2802%29&qid=1678976891382>

[Europe & Asia] Mobility-domain Data Spaces in the world

Europe

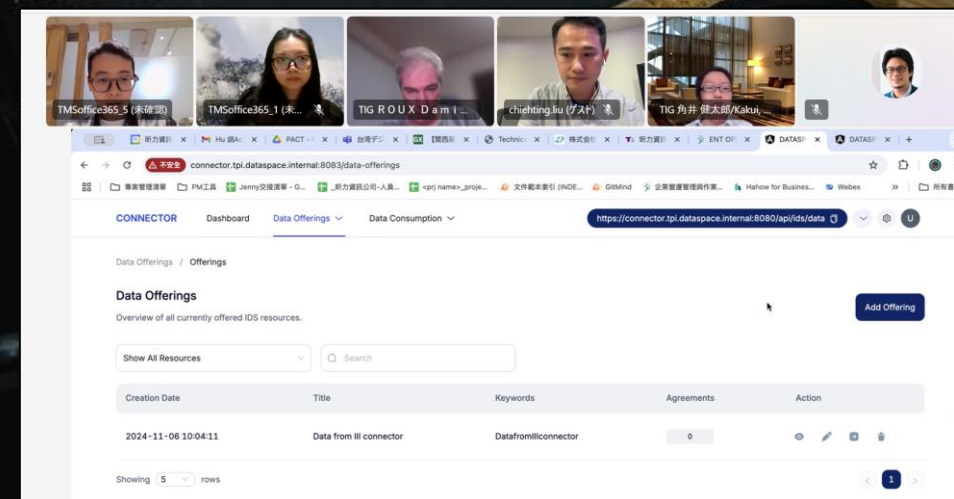


supports policymaking by enabling data sharing and reuse for efficient multimodal mobility and traffic management, as well as for measuring progress of sustainable **urban mobility** across Europe.



“I am delighted by the fruitful collaboration with NTT DATA. We share the enthusiasm for data spaces and believe in the power of utilising valuable data.” (Moritz Stober, Director Business Development at Mobility Data Space)

Taiwan



III of Taiwan and U. Tokyo succeeded a trial to connect two regions using Dataspace Connector.
NTT DATA contributed from the technical aspect.

Japan

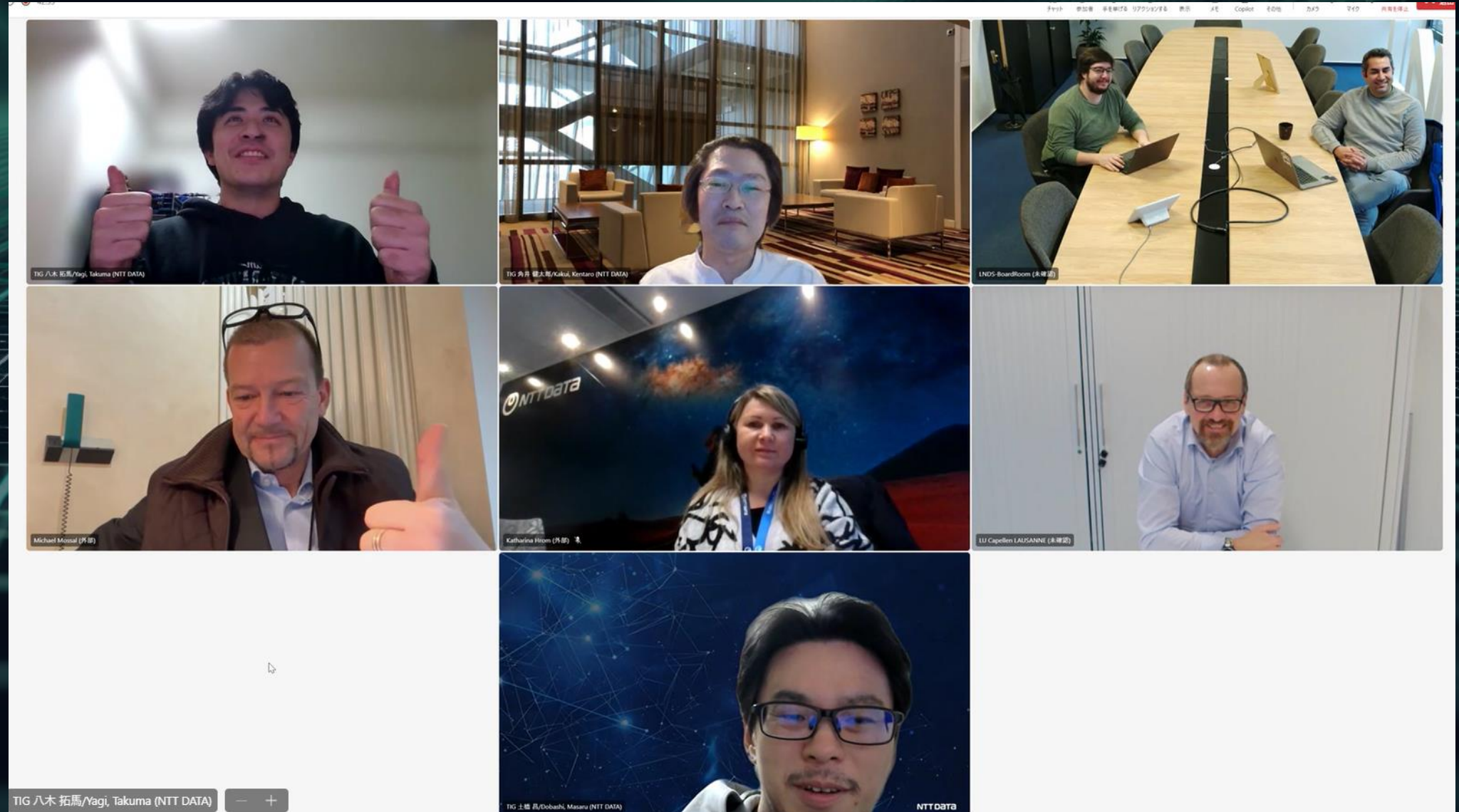
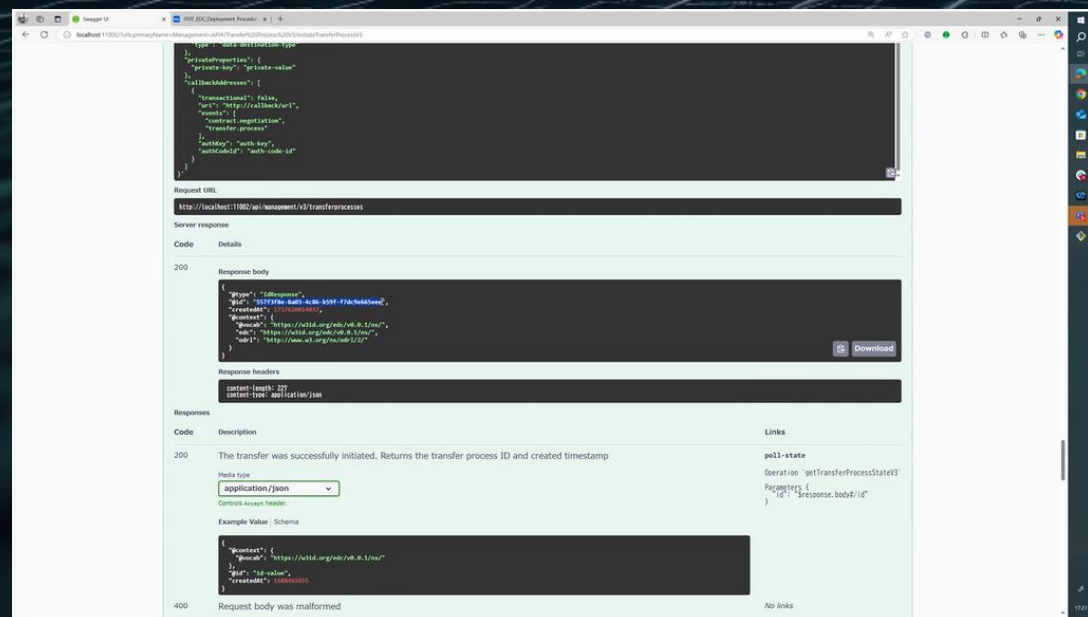
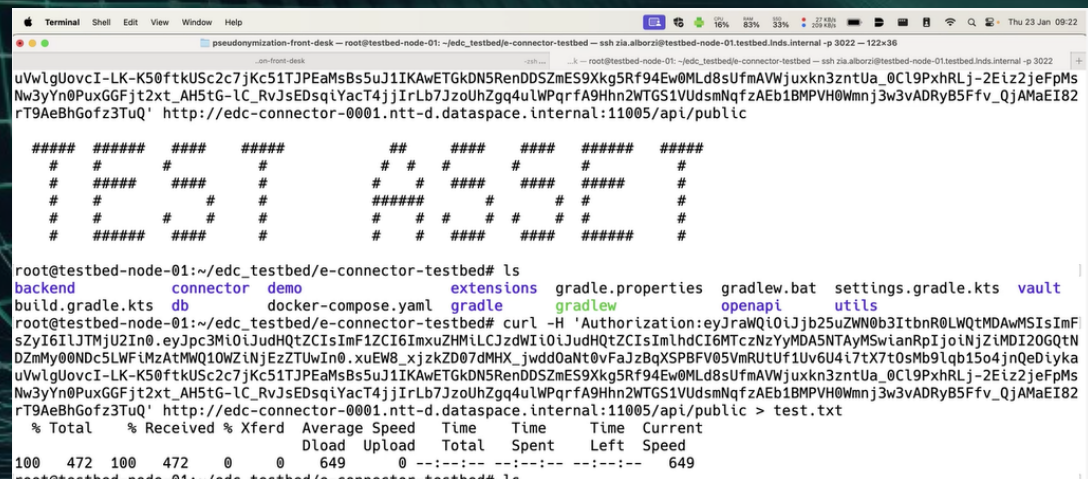


III of Taiwan and U. Tokyo succeeded a trial to connect two regions using Dataspace Connector.
NTT DATA contributed from the technical aspect.

Example of international collaboration: Luxembourg and Japan

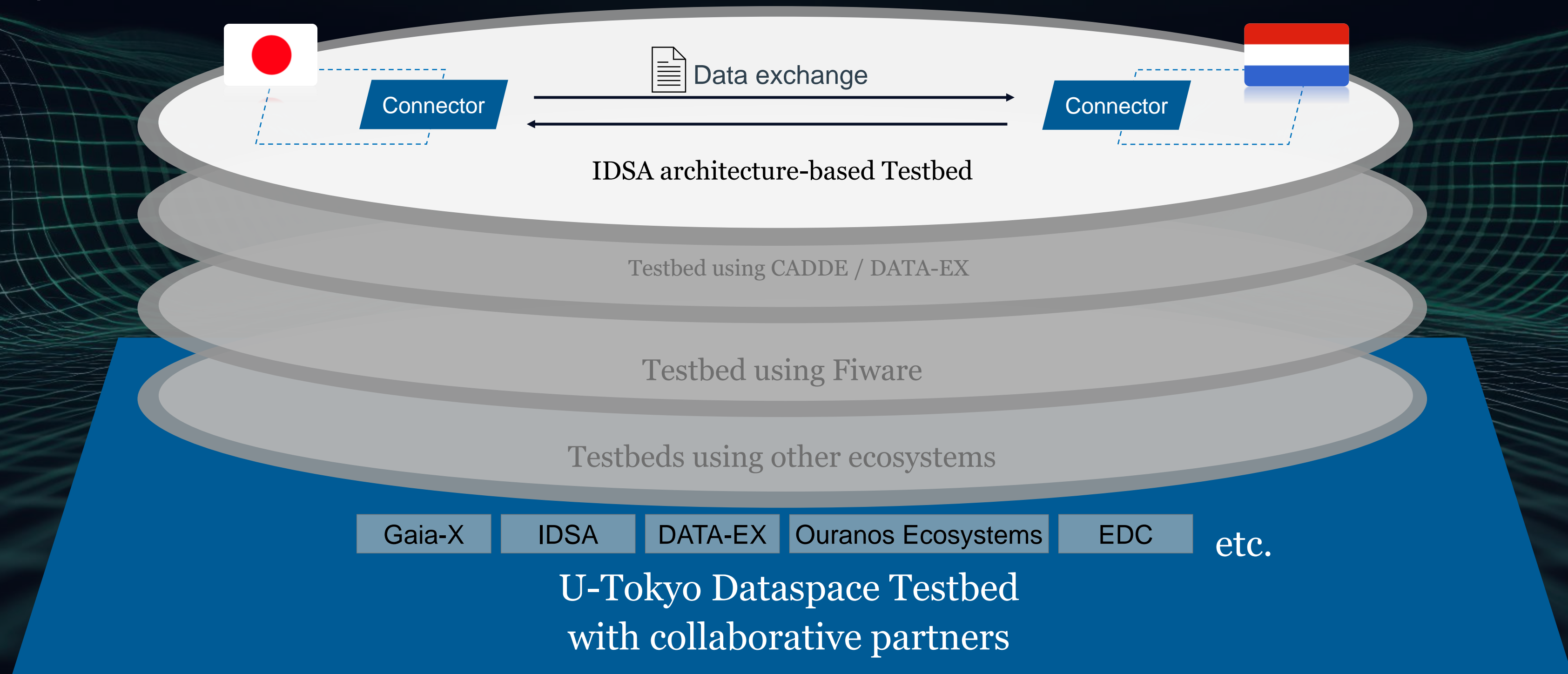
NTT DATA is actively contributing to international collaboration. For instance, we have successfully connected various testbeds in Japan, Luxembourg, and Taiwan using the Connector as a foundation for use cases. This effort is a collaborative activity with research institutes and universities in each region. e.g. LNDS and U. Tokyo.

Example: International experiments connecting two regions and environments using the Connector (Luxembourg and Japan)



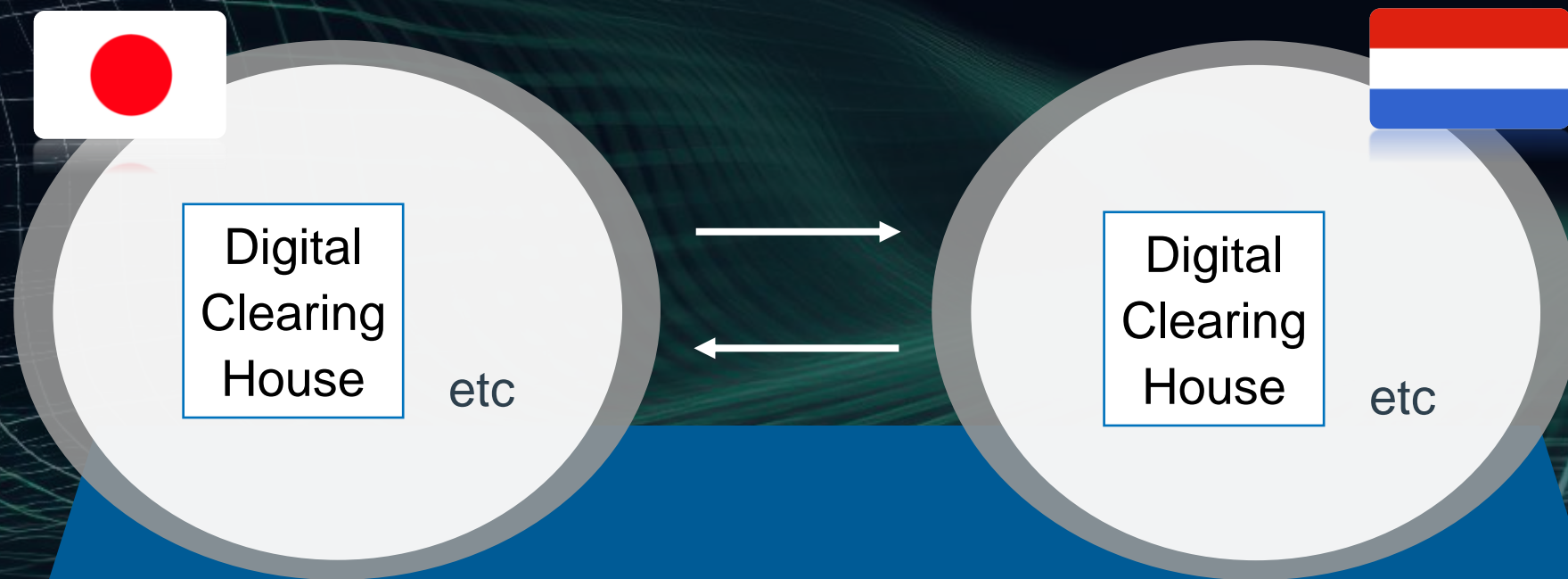
Example of international collaboration: Luxembourg and Japan

This testbed network is established through the collaboration of multiple organizations and has deployed several ecosystems. One of these ecosystems is based on the IDSA architecture and is conducting experiments using Dataspace Protocol.



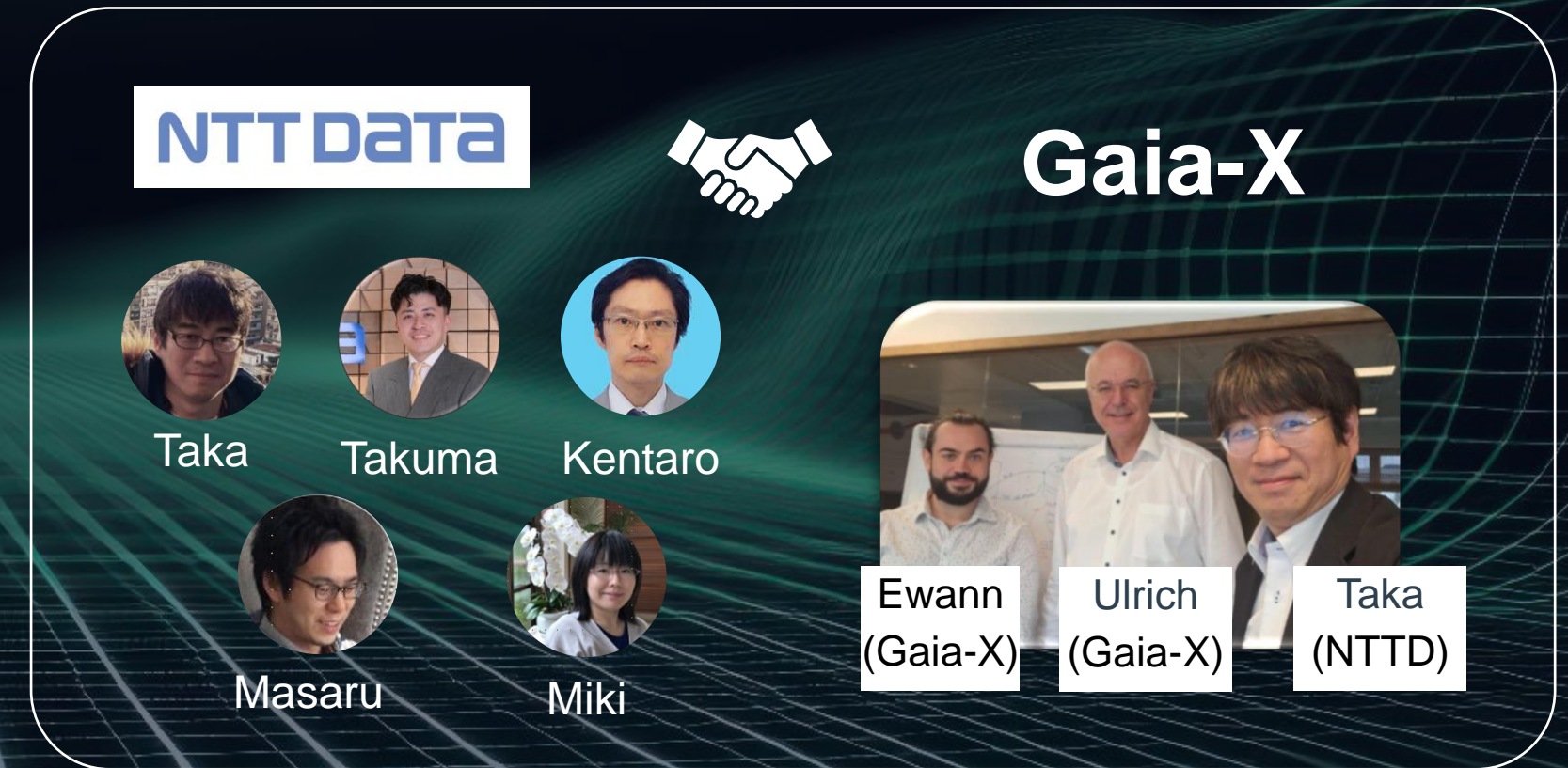
Experiments about Trust Frameworks

- Combine Data Space Connectors with Trust mechanisms such as Gaia-X Digital Clearing House and etc.



U-Tokyo Dataspace Testbed
with collaborative partners

- Implementing GXDCH on U-Tokyo Testbed with Gaia-X members



We are developing both version 1 and version 2 to provide greater flexibility in accommodating various specifications and sources.



NTT DATA's Foresight

Davos 2025

Yutaka Sasaki (President and CEO of NTT DATA Group and NTT DATA Japan) participated in a panel discussion at [Davos2025](#), where he shared insights on data sharing initiatives in Japan and globally.

- Japan appears to be one of the leading countries actively **promoting international collaboration on trusted data sharing**.
- In the session, **Sasaki CEO** introduced a monitoring case of health care related data, cooperation between the Ouranos ecosystem and Catena-X, and a secret processing technology that promotes cooperation of confidential data
- He also talked about the fact that **NTTDATA has been developing infrastructure for multiple companies in Japan and global for a long time**



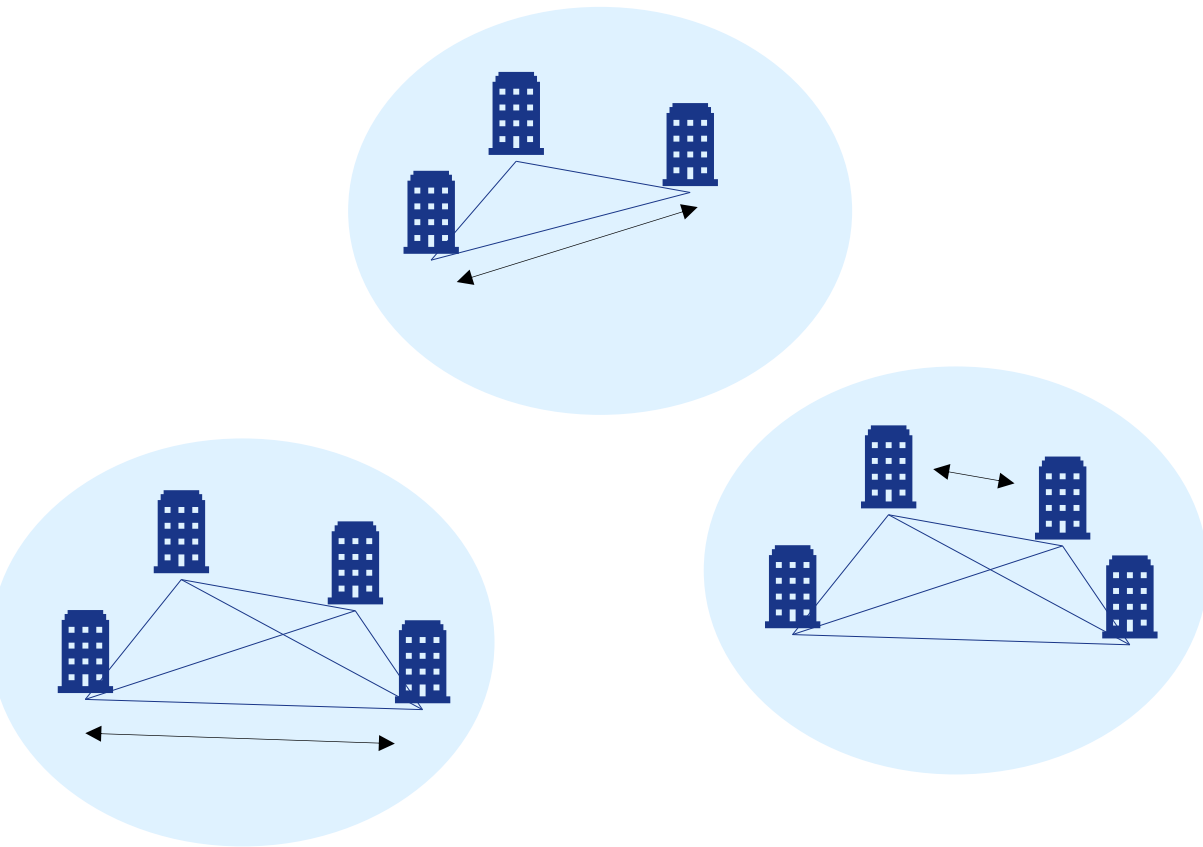
Catch the full session video here: <https://lnkd.in/eGaAGwaZ>

Foresight: Toward a common specification for interworking among IT systems

Connectors and trust infrastructure are expected to become the standard for interconnection between IT systems.

By building a track record in this area ahead of others and being involved in the formulation of technical specifications, we will take a more leading role in the interconnection between IT systems and social change.

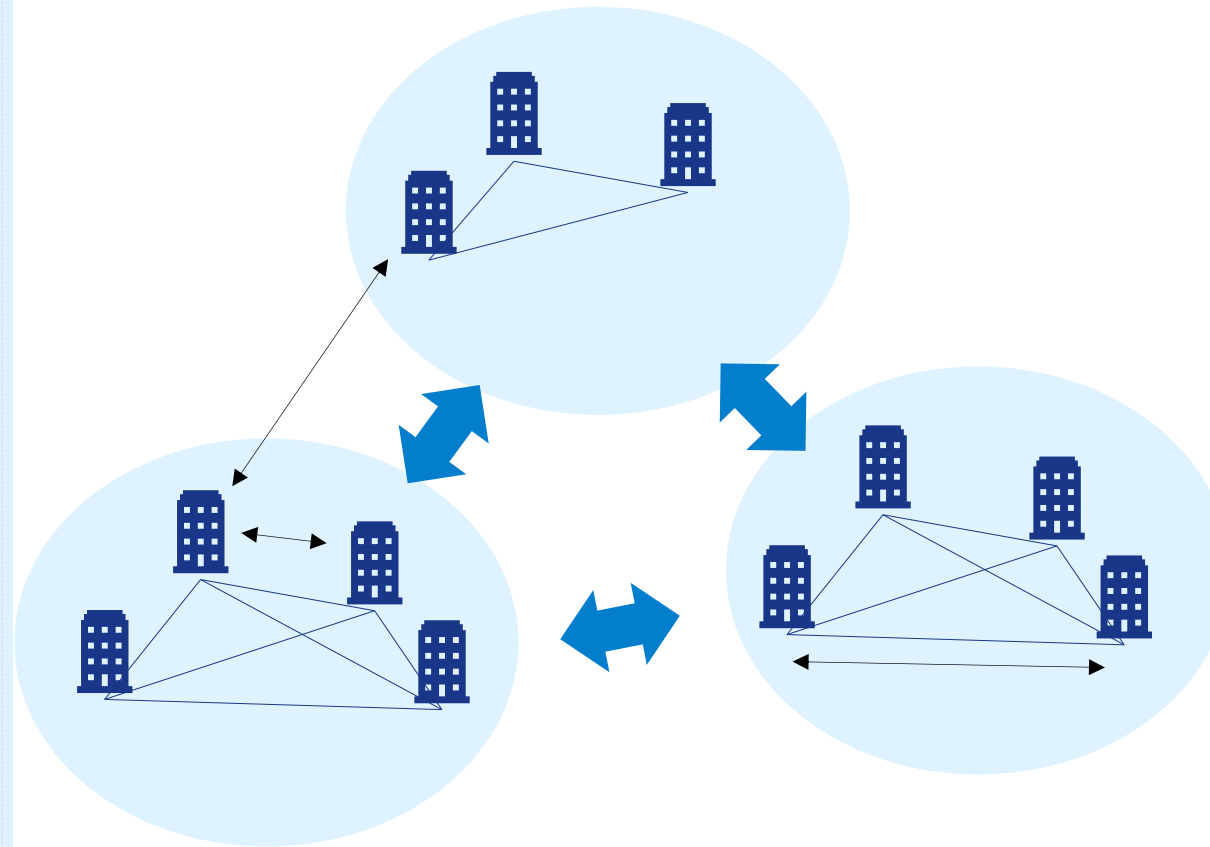
Data linkage for each individual purpose (- FY2025)



- Companies form industry groups for data sharing by purpose and region, and create their own rules.
- Groups based on local culture and business practices form a large number of data spaces in the world.

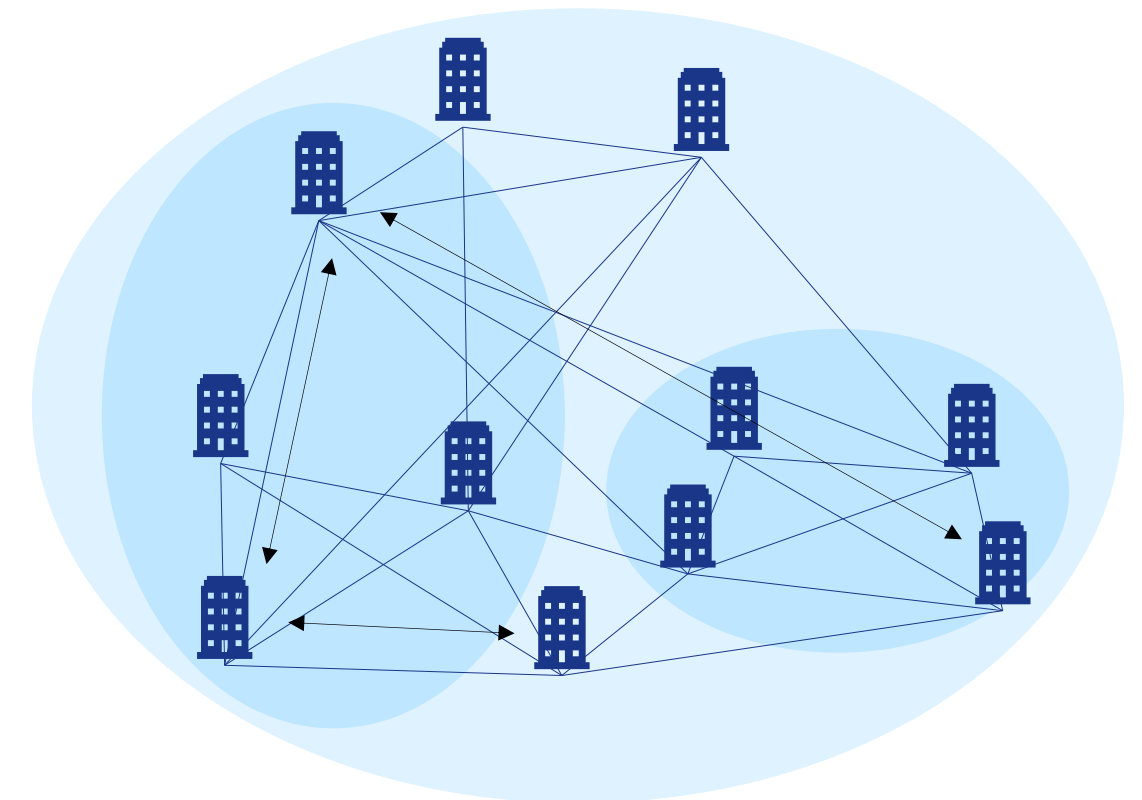
World based on data space

Data linkage sharing multiple purposes (FY2026 -)



- Depending on the use case, the data spaces are interconnected. Some companies belong to multiple data spaces.
- Absorb differences in concepts and specifications between interconnected data spaces.

Flat Business Data Hub for Inter-IT Systems (FY2028 -)



- Specifications for connection between IT systems are unified, and IT systems are connected safely and freely.
- Divisions are dynamically constructed in the world, and business groups are formed more freely.

World based on Inter-IT Systems

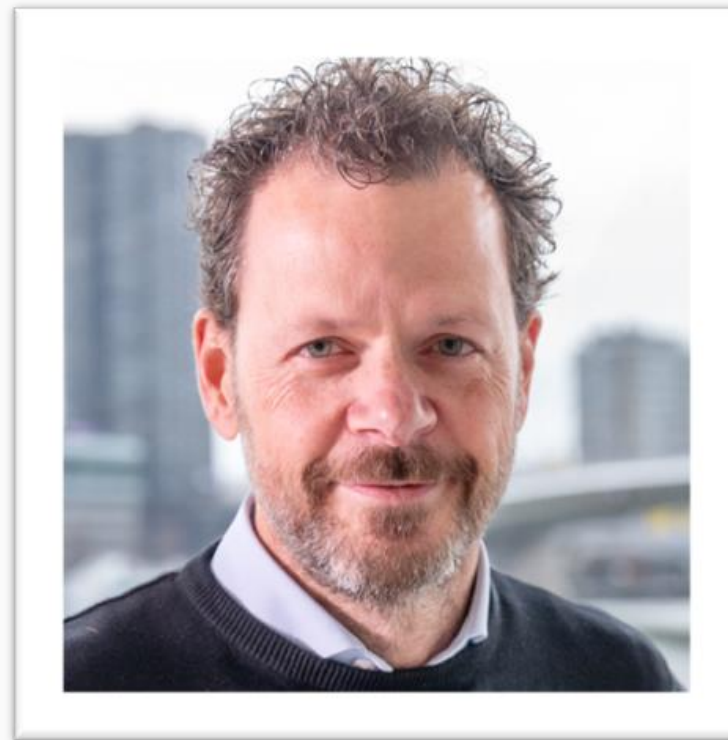
NTT Data

Access to data made easy

Enabling data spaces and providing infrastructures

Data Spaces Symposium 2025

Rutger Borst



DSBA



INTERNATIONAL DATA
SPACES ASSOCIATION



DATA SPACES
SUPPORT CENTRE



The Data Spaces Support Centre receives funding from the European Union Digital Europe Programme under grant agreement n° 101083412



We go all out

to connect everyone in
the Netherlands to a
sustainable future



Activities in data spaces

Innovation gives meaning to technology.

Innovation has characterized us for more than 145 years. Every day, we are looking at what new role our technology can play in the social themes of today and tomorrow such as.

Provide access to data

We are facilitating access to data with Data Services Hub. Secure, at scale, to multiple parties. The data owner decides who gets access.

Host your dataspace

We host the Smart Connected Supplier Network (SCSN). We make sure the services are reliable. In case of emergency, you can call us.

Data Act compliancy

We are developing functionality based on the iSHARE trust framework to process consent to 3rd party data consumers.



iSHARE

EHerkenning EH 3/4



Providing access to data

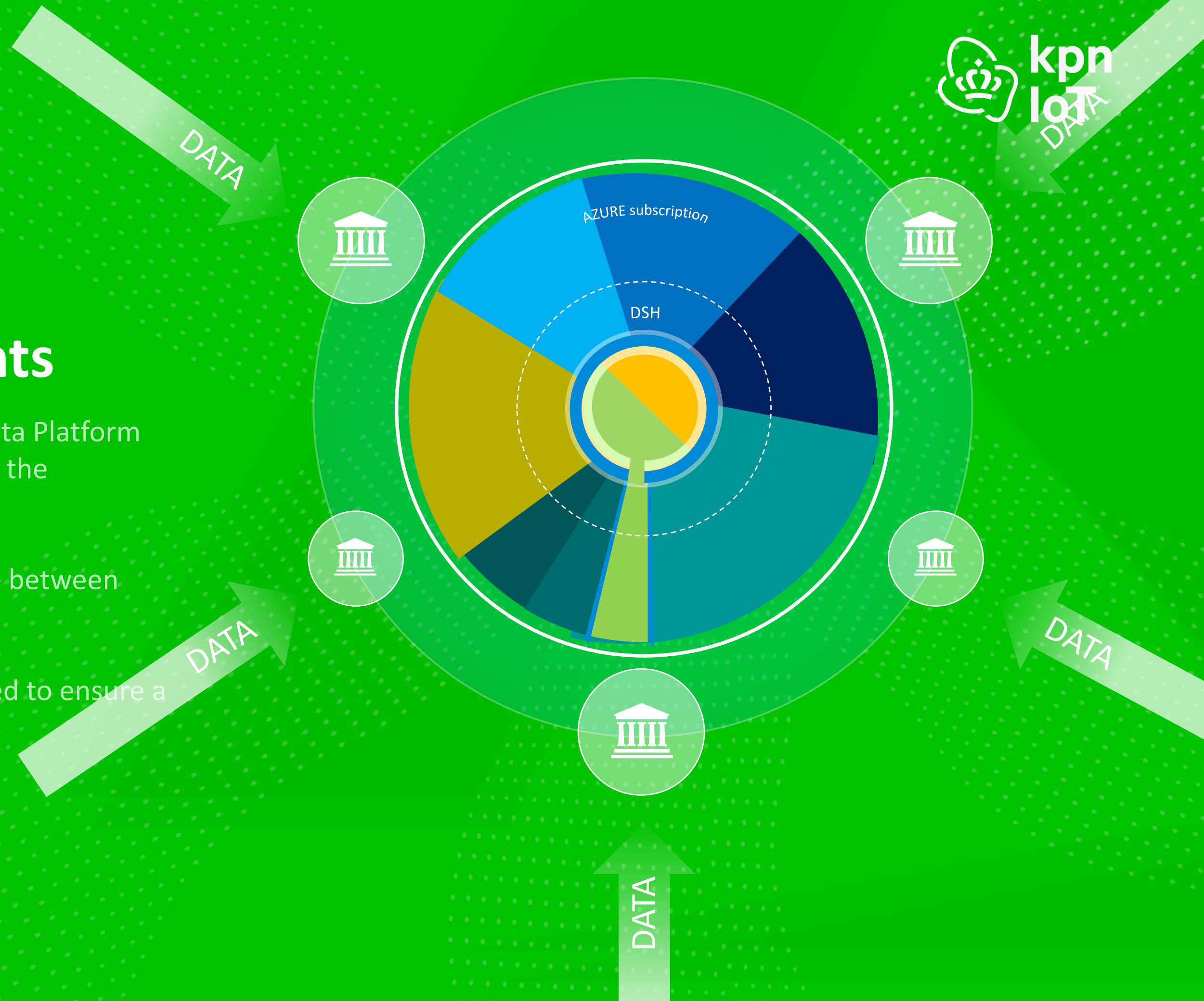
Data Services Hub facilitates secure data processing

Shared components

De components of the Smart City Data Platform become **shared** between all users of the platform.

This makes sure that a **good balance** between **cost and performance** is possible

The system can be **horizontally** scaled to ensure a good **performance**



Shared data streams

The data platform makes it possible for a **data stream (IoT sensors)** to be onboarded **only once** and make it available for the respective cities

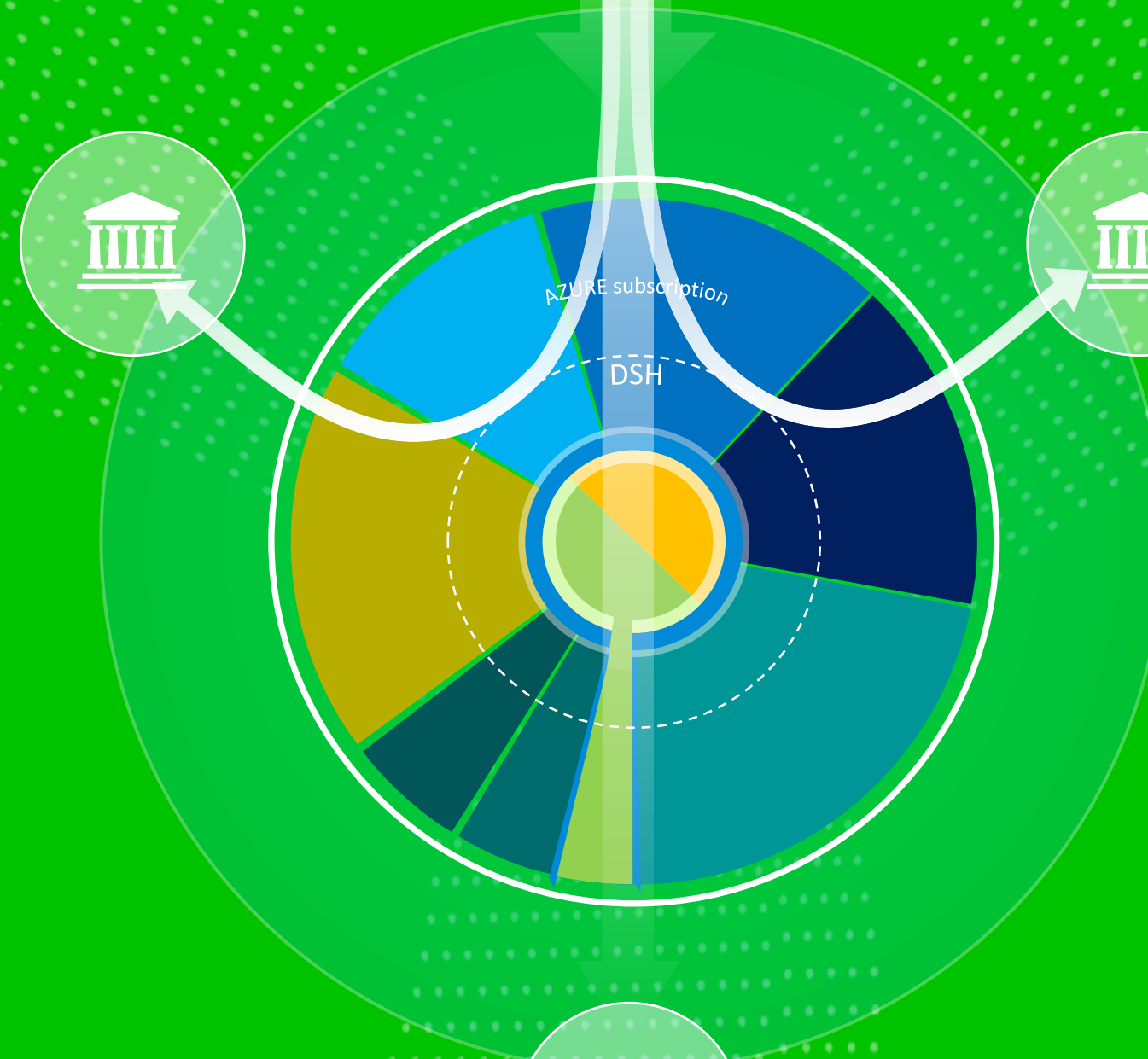
City A



City B



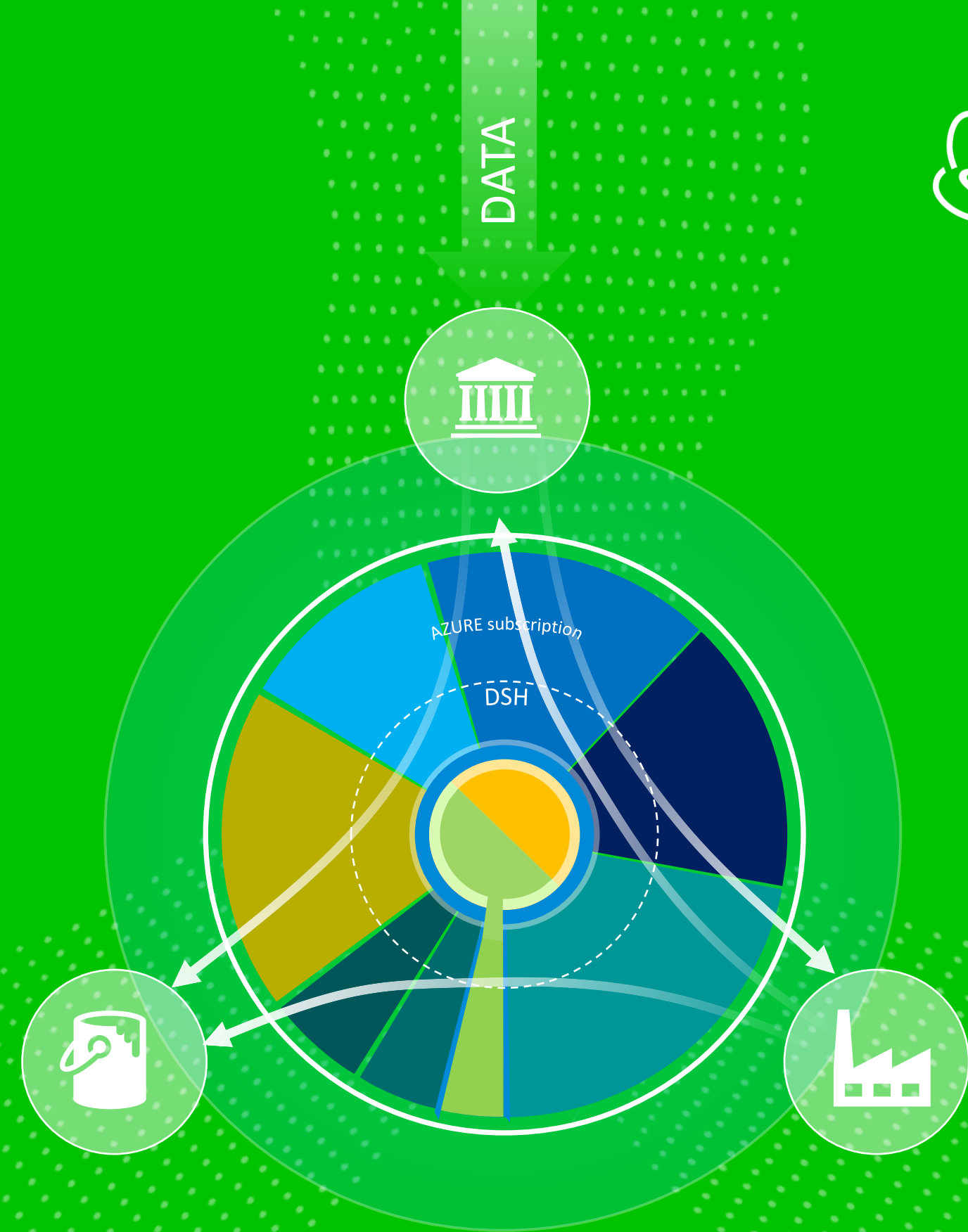
City C



Sharing of data

A city can choose to make a **data stream available** for other parties (like cities, high schools, universities, companies,...)

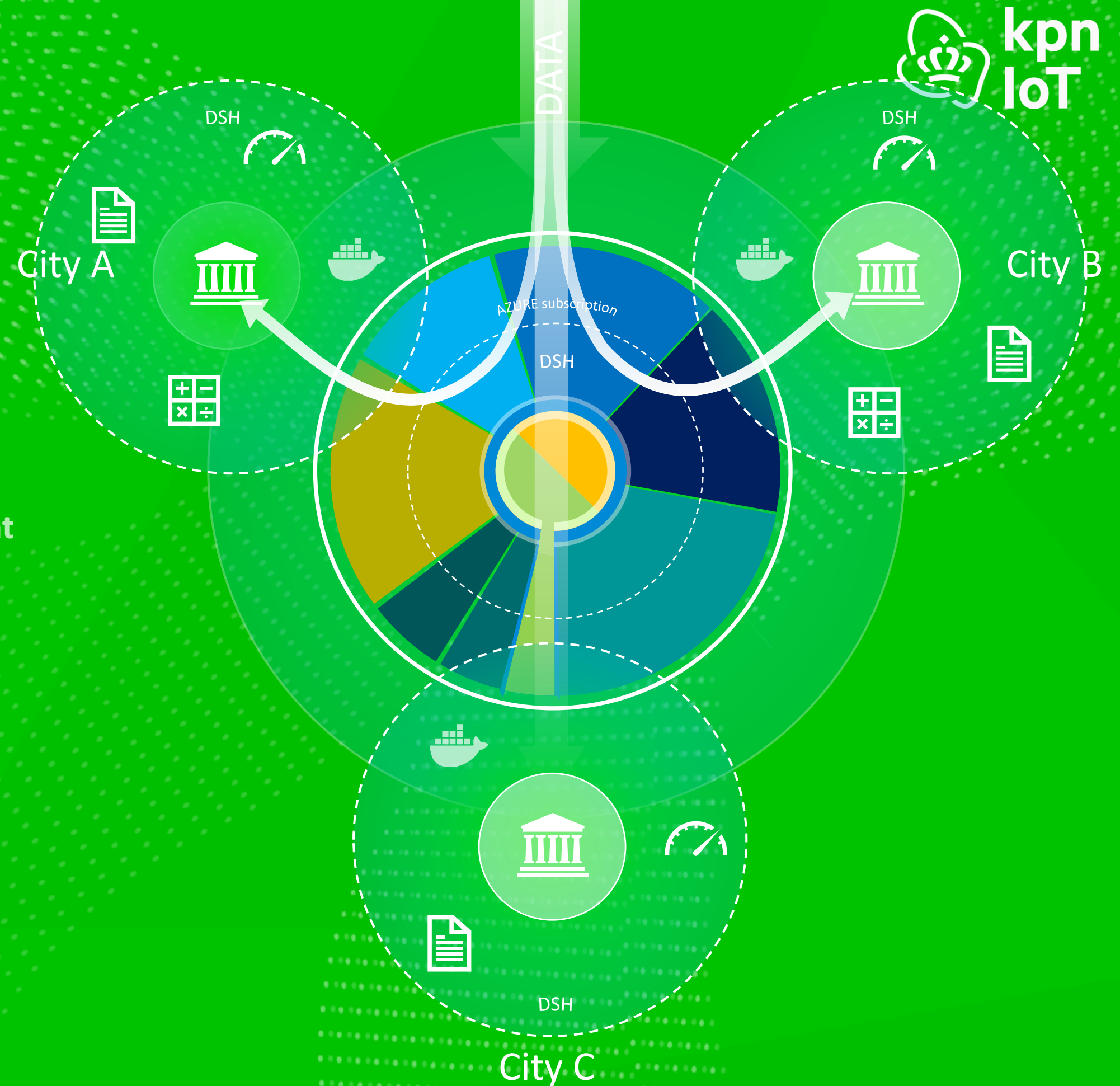
This data can then be used to **manipulate and aggregate** so it can be given back to the city to be (for example) visualized



Data Services Hub

Multitenancy

Each city has the possibility to have **its own tenant** to manage their own applications within Docker containers.



Host your data space

Rely on a trusted service provider to take care of the basics

Providing reliable service to data initiatives

Supporting the Smart Connected Supplier Network

- Hosting central components
- Developing data space as a service
- Supporting new use cases

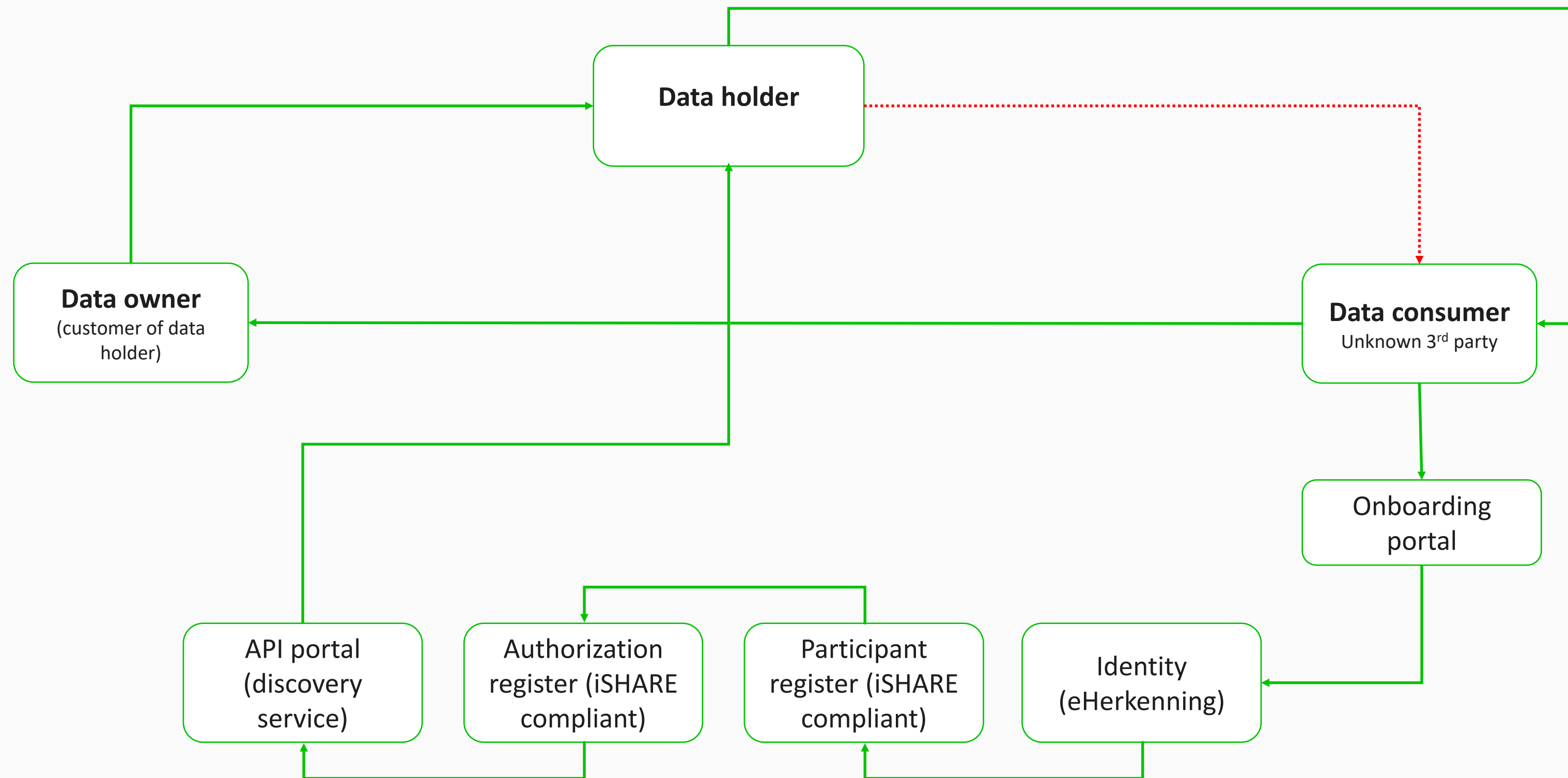


Provide Data Act compliance

Federated Identity & Access Management

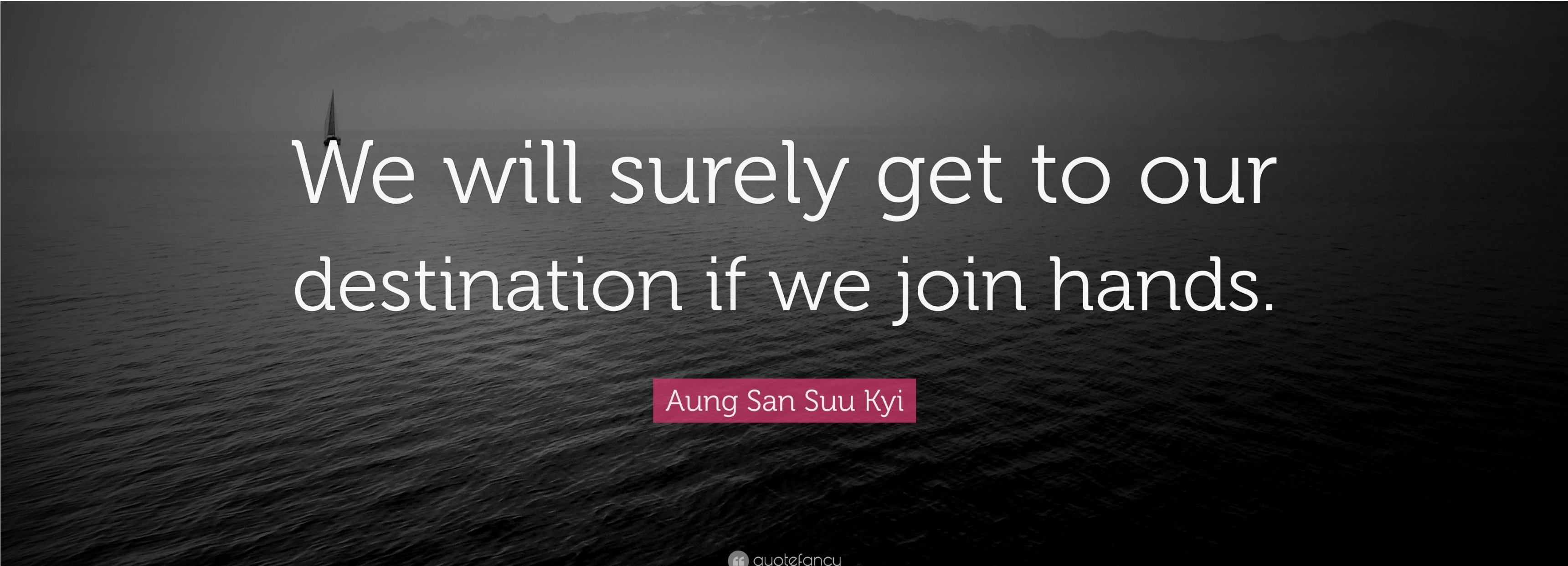
KPN Federated Identity & Access Management (FIAM)

New service in development at KPN to support Data Act compliance



Our destination is dataspace as a service

Making access to data as easy as getting a mobile telephony service



We will surely get to our
destination if we join hands.

Aung San Suu Kyi

quote fancy

Thank you for listening.

Please contact me for more information.



Rutger Borst

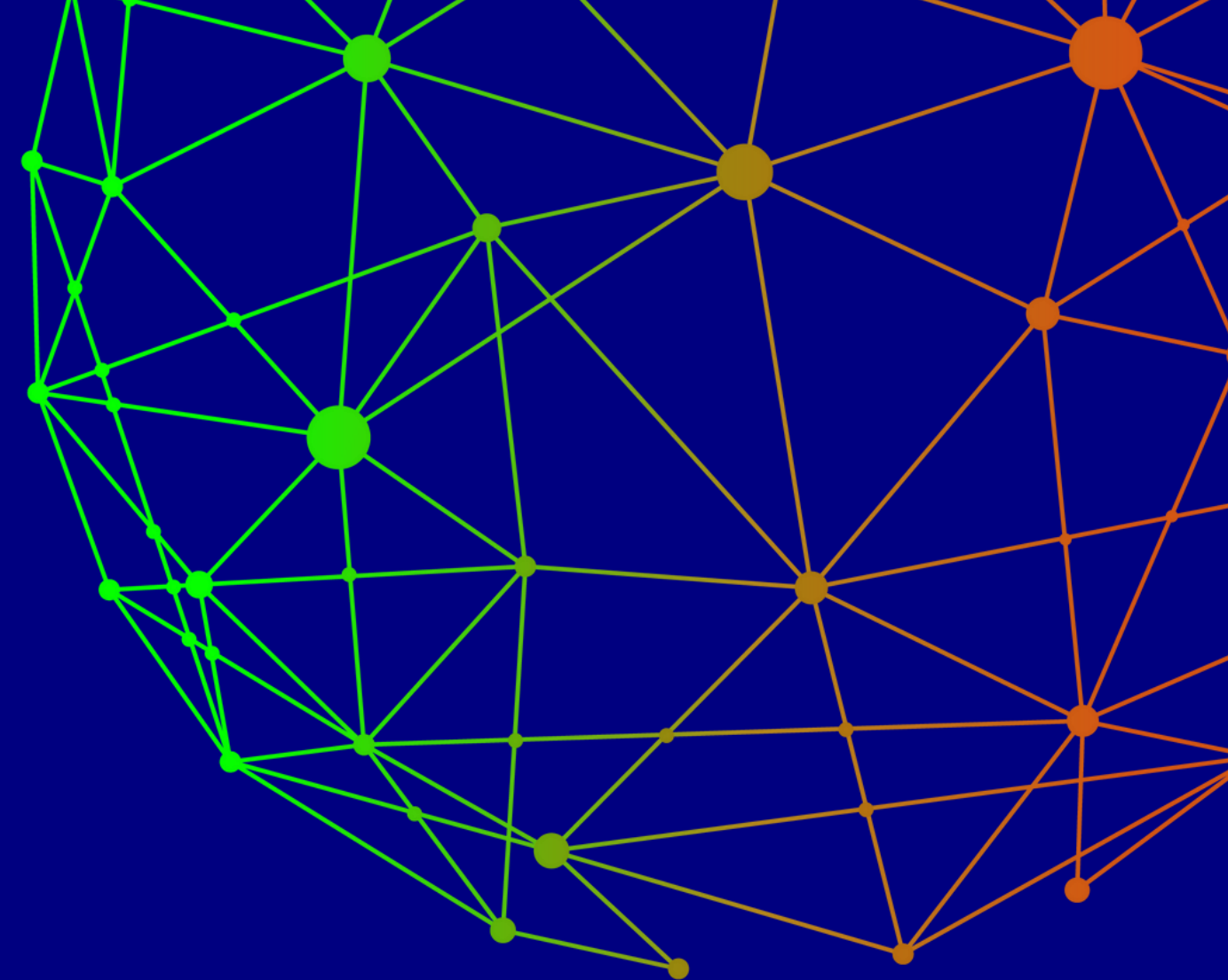
Rutger.borst@kpn.com

Data Spaces Symposium

Share data. Unlock value. Boost impact.

12th March 2025 | 13.30 - 15.00 pm | Track #1

**Panel discussion | Key role of telcos
as data space infrastructure enablers**



Christoph Mertens
IDSA



Sven Löffler
T-Systems



Masaru Dobashi
NTT DATA



Rutger Borst
KPN



Andrzej Dulka
PIIT



INTERNATIONAL DATA
SPACES ASSOCIATION

The IDSA User Group

"It takes a village" to make data spaces a success

Start small – scale fast

- It took almost 150 years from patenting the telephone in 1876 to get to the user experience we are all familiar with nowadays
- With more and more people using the phone, the infrastructure was improved to meet the needs of the user



Data space users ...

... **discover** the **partners** that are the best match for their data needs and offering and the data spaces where to meet them

... **understand** data spaces and the **business opportunities** they enable

... **find and use** reliable **software and services** in the data space you are connected to

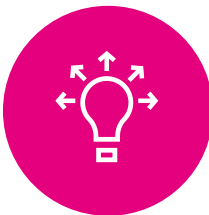
The User Group activities

INTERNATIONAL DATA
SPACES ASSOCIATION



ENGAGEMENT

- ✓ **Weekly Ecosystem Calls** to exchange insights with like-minded peers and industry experts
- ✓ **A privileged channel to share your requirements** and influence IDSA tools, standards and solutions
- ✓ **Targeted sessions and unique opportunities for collaboration**



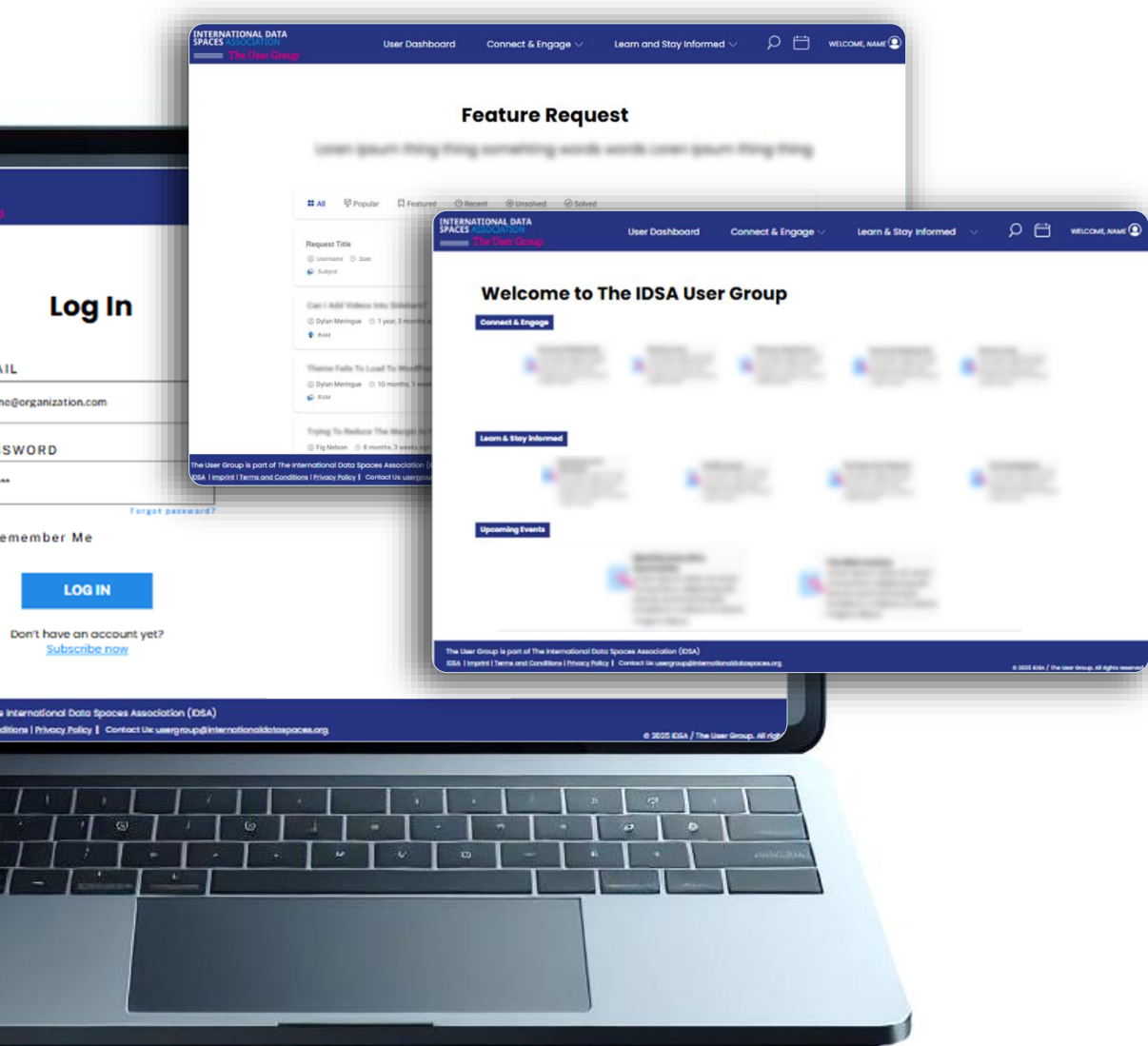
BUSINESS INSIGHT

- ✓ **Monthly “Data Spaces Executive Summary”** to discover key trends, latest developments and insights
- ✓ **Biannual “Data Spaces Now magazine”** - a Deep-dive into the key developments shaping the landscape



KNOWLEDGE AND TECH UPDATE

- ✓ **The Solutions Arena** – A curated showcase of tools, service providers, and implementations
- ✓ **The biggest, most comprehensive library** for data space insights—expert papers, tools, guides, and exclusive IDSA event recordings.



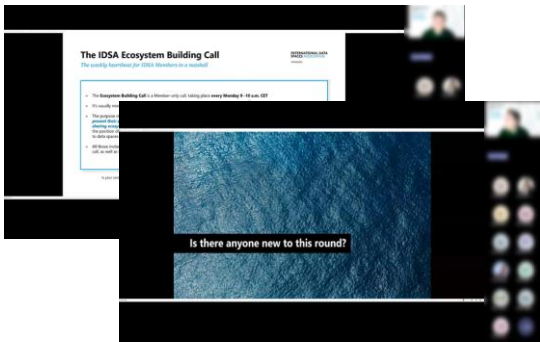
At your fingertips...

Ecosystem Building Call

Mondays 9 -10 a.m. CET
ADD EVENT TO YOUR CALENDAR

Calls Archive:

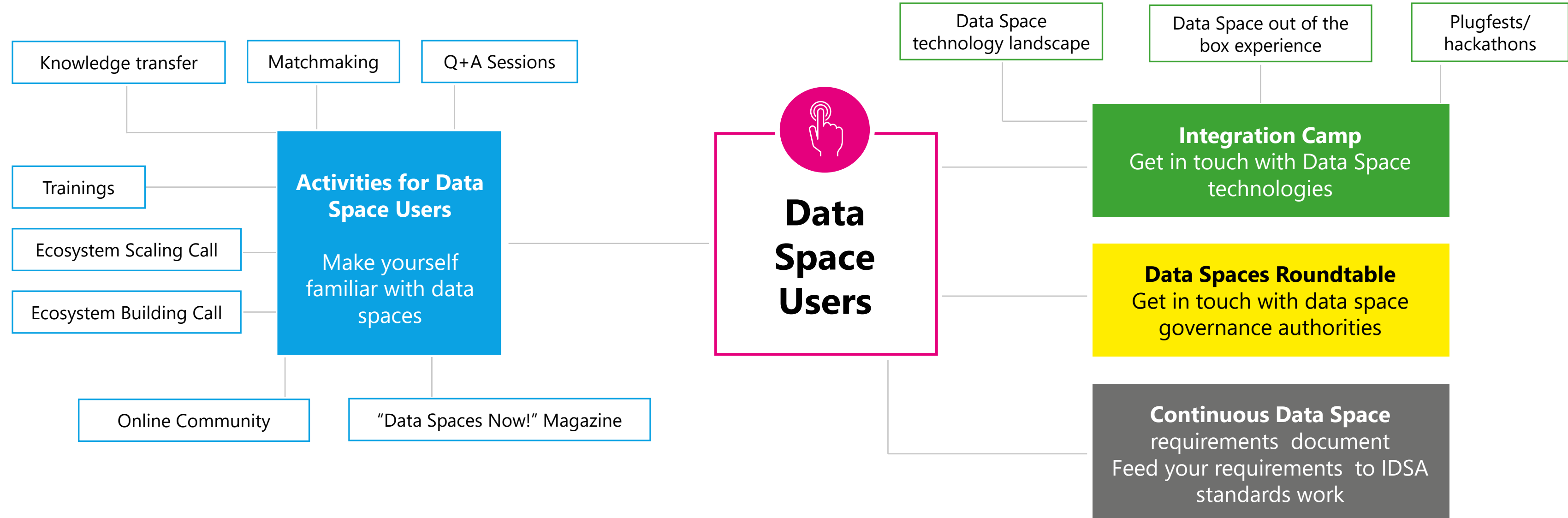
Date	Subjects	Speakers	Minutes
2025-01-13	AI/ML in Data Spaces	Dr. [Name]	45
2025-01-06	Blockchain in Data Spaces	Dr. [Name]	45
2025-01-06	Blockchain in Data Spaces	Dr. [Name]	45
2025-01-06	Blockchain in Data Spaces	Dr. [Name]	45



IDSA Data Space User Experience



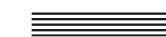
- 1 Make yourself familiar with available technologies and components
- 2 Make your hands dirty with testing it
- 3 Test interoperability and features



Choose your path to success

Subscription or membership—Choose what best fits to your needs

INTERNATIONAL DATA
SPACES ASSOCIATION



Subscribe to the User Group

*Best suited for **data space users** looking for business opportunities, best practices and resources to make the most of participating in data spaces*

Includes access to the User Group only

Plans start at €1,800 per year



Become an IDSA Member

*Ideal for **data space makers** focused on building data spaces and offering products and services*

Full access to all of the Association's activities, including the User Group's

Membership fees are as low as €1,200 / year for startups and non-for-profits and between €3,000 – €42,000 for corporates, depending on turnover



Contribute to a growing community of Users and Makers

Data Spaces Symposium

15:00

Break & networking

Take a short break and refresh – we'll continue shortly.



Patronat polskiej prezydencji w Radzie UE
Patronage of the Polish presidency of the Council of the EU
Patronage de la présidence polonaise du Conseil de l'UE