



Industrial Data Spaces in Action

Simple, Scalable, Profitable

April 21, 2026 | 13:00-16:30

Industrial Data Spaces in Action

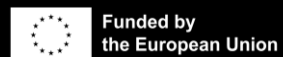
Simple, Scalable, Profitable

INTERNATIONAL DATA
SPACES ASSOCIATION



Agenda

- 13:00 Get-together & networking
- 13:30 **Intro** | Manufacturing shows how data spaces move from concept to practice Lars Nagel, IDSA
- 13:35 **Keynote** | Study: Findings on the current state and economical potential of Fabiana Vidal de Oliveira & Philipp Naber, Accenture
data spaces
- 13:45 **Partner Statements** | Next-level data spaces thanks to strong ecosystems Lars Nagel, IDSA
strong data space community
Christian Mosch, IDTA
Johannes Diemer, ARENA2036
Oscar Lazaro, EuroFMX
Stefan Hoppe, OPC Foundation
Gerard van der Hoeven, iSHARE
- 14:00 **Pitches** | Running & performing data spaces, promising & value-creating use cases
- Semiconductor-X | Collaboration in value chains – Scaling data spaces in the Haris Avgoustinos, EXPO21XX
semiconductor industry
- Aerospace-X | How Aerospace-X is accelerating industrial decarbonisation Felix Beckmann, Airbus
and industrial competitiveness across borders
- RoX | Data space in action: How RoX enables AI and ecosystem services Bernd Kühlenkötter, ABB & Chris Langdon, T-Systems
- Chem-X: Chemicals are everywhere – Digital Material Passports too Andreas Wollny, BASF



This event is organised as part of the project PLIADES, which integrates data life cycles across sustainability and manufacturing operations in the process industry. PLIADES receives funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101135988.



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Factory-X: Open & collaborative digital ecosystem for factory outfitters & operators . Silke Huesmann, SAP

Agile data space implementation in Construct-X: a Tractus-X-based approach David Görzig, ARENA2036

DENSO & Fujitsu: Data space for Product Pass and AI, connecting organizations, Oliver Scheit, DENSO & Takahide Matsutsuka, Fujitsu (tbc)

14:50 **Solutions & services** | Efficient data space onboarding & operation

Intro | Data space onboarding at low cost and low effort Christoph Mertens, IDSA

Operationalise data spaces using open-source communities & testing environments ..Pascal Kohlhase, PwC

Scaling Tractus-X – the role of the community Johannes Diemer, ARENA2036

Data space operations in practice: lessons learned & scaling ahead Niklas Midolo, Cofinity-X

15:15 **International voices** | Perspectives on trusted data sharing

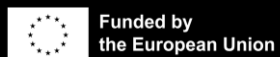
Brazil: The Federated Industrial Data Space Demonstrator – from industrial data to Flavio Maeda, ABINC
cross-border trust and competitiveness

Brazil: AutoBras Dataspace Demonstrator – Controlled and trusted data sharing Mateus Silva Pierre, ELDORADO
along the supply chain

US: i3X – Digitalization & data exchange, AI-driven production & ecosystems John Dyck, CESMII & Erich Barnstedt, Microsoft

US: The Genesis Mission Douglas Ramsey

Japan: Unlocking practical value of data through data spaces Miki Kanno &
Masaru Dobashi, NTT DATA



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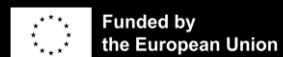




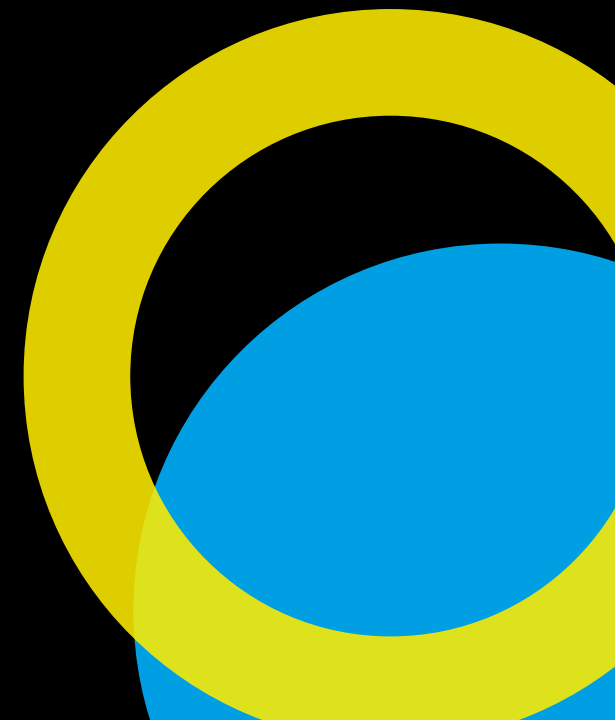
Intro

Manufacturing shows how data spaces move from concept to practice

Lars Nagel | IDSA



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IDSA and the footprint in the manufacturing sector

An overview of partners and technology

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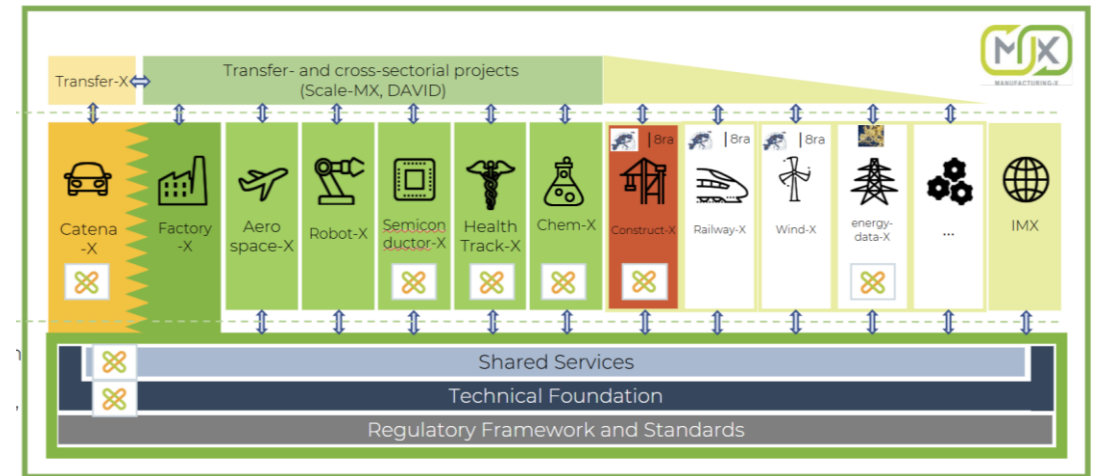


Partners – strong collaboration via projects and MoUs

- VDMA
- ZVEI
- RRI (Robot Revolution Initiative)
- OPC Foundation
- IDTA (Industrial Digital Twin Association)
- DFA (Digital Factory Alliance)
- ARENA2036
- Our members all over the world which build industrial data spaces and components and services for them
- We pool activities in IDSA industrial community

Projects

- Current EU funded projects: e. g. Smartenance, Cirpass, Underpin, ...
- National funding projects of global scale: Manufacturing-X, SCSN, Machinery-X, ... - Japanese projects: Ouranos, ... - Chinese projects
- Others – see the relevant section on manufacturing in the data spaces radar

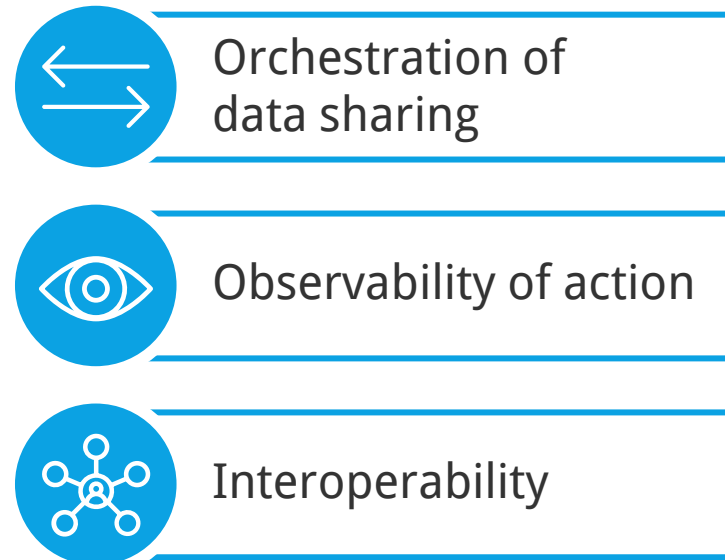
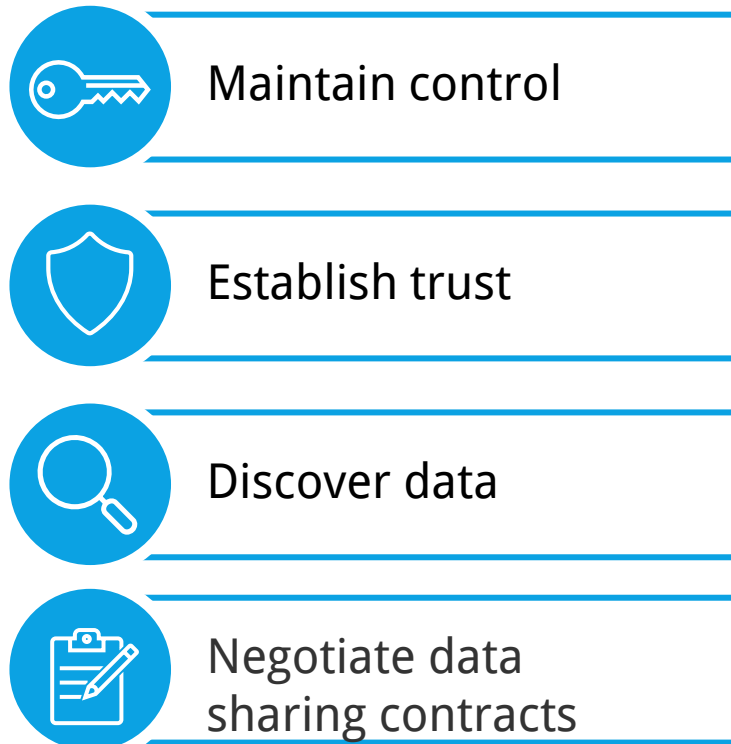




WHY DATA SPACES?



Data space characteristics | ISO/IEC 20151



Functional components

- Multi-level policies
- Semantic models
- Communication protocols
- Processes and Rules



ISO/IEC CD 20151
Dataspaces concepts
and characteristics

An agnostic baseline for global data spaces

IDSA's efforts of the last 10 years: a holistic perspective on data spaces

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Common governance framework

- » describes the **technical, operational, and legal agreements** to enable the IDS ecosystem to be fully working in a real-world scenario.
- » outlines a **common governance framework** that all players need to abide to, for a smoothly running future data economy.
- » is **industry-agnostic**, and applicable in all verticals as a **horizontal standard**.



Fundamental principles

- » 10 fundamental principles of trusted data sharing
- » It is both a call to action and a vision for a future in which trusted data sharing through international data space concepts is the norm, empowering organizations to responsibly harness the full potential of their data.
- » By adhering to these principles, we believe data spaces will catalyze the next wave of innovation, unlocking vast opportunities for organizations, communities, and society as a whole.



Solutions



IDSA: our mission for data spaces:

- **Holistic challenge** – from technical complexities, via legal uncertainties to undiscovered business benefits.
- We need to **make life easy**:
 - Giving guidance, support and best practices.
 - Crafting a common data spaces framework.
 - Stimulating market-ready, usable solutions that just work.

Technology- and policy-agnostic architecture patterns

- » is a practitioner-oriented guide to designing and implementing **architectures for data spaces**
- » The RAM is both, an introduction to software architecture and a **handbook of well-established best practices**
- » The IDS RAM describes **how data spaces should be built**, the blueprint for maintaining data sovereignty in data driven business ecosystems.

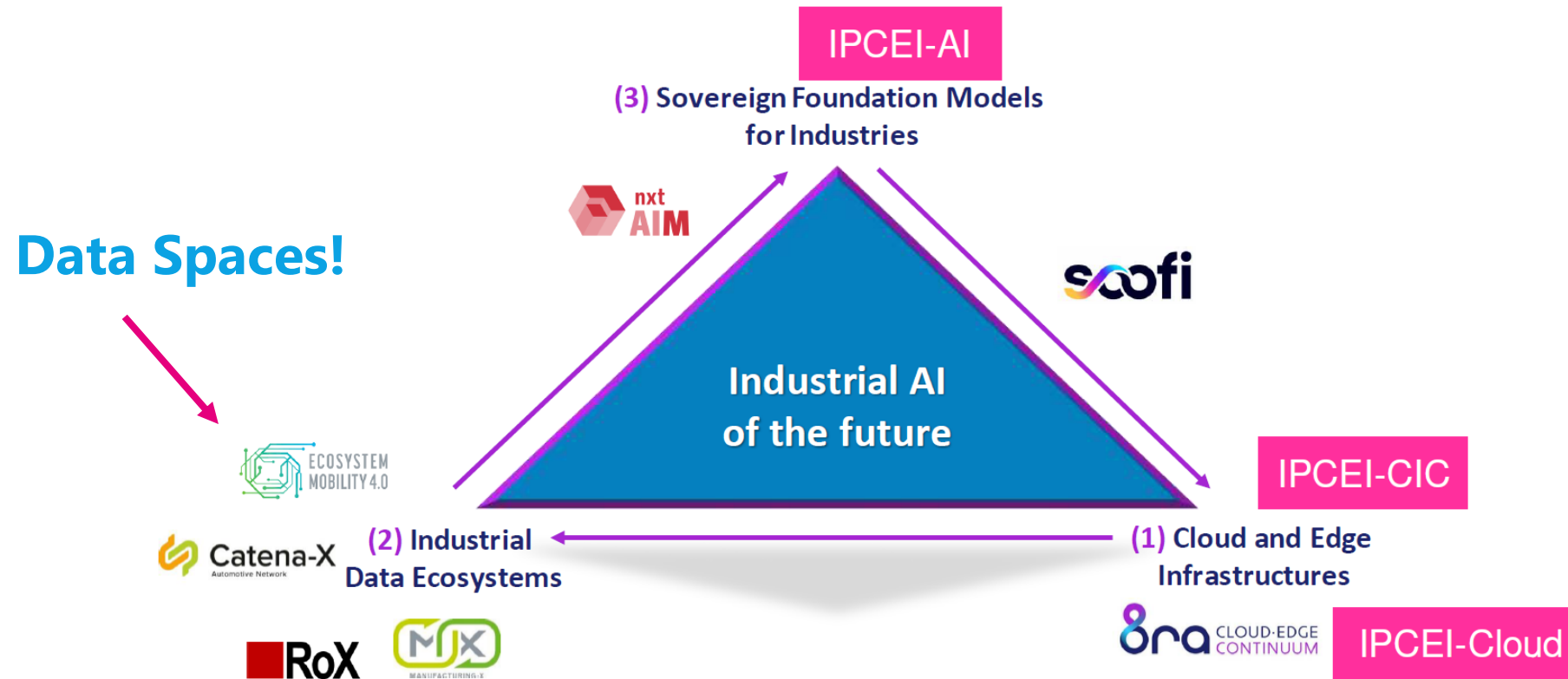


Minimum interoperability



Industrial AI

Building blocks for digital sovereign industries



Gartner Hype Cycle – Data Space in the Innovation Trigger stage





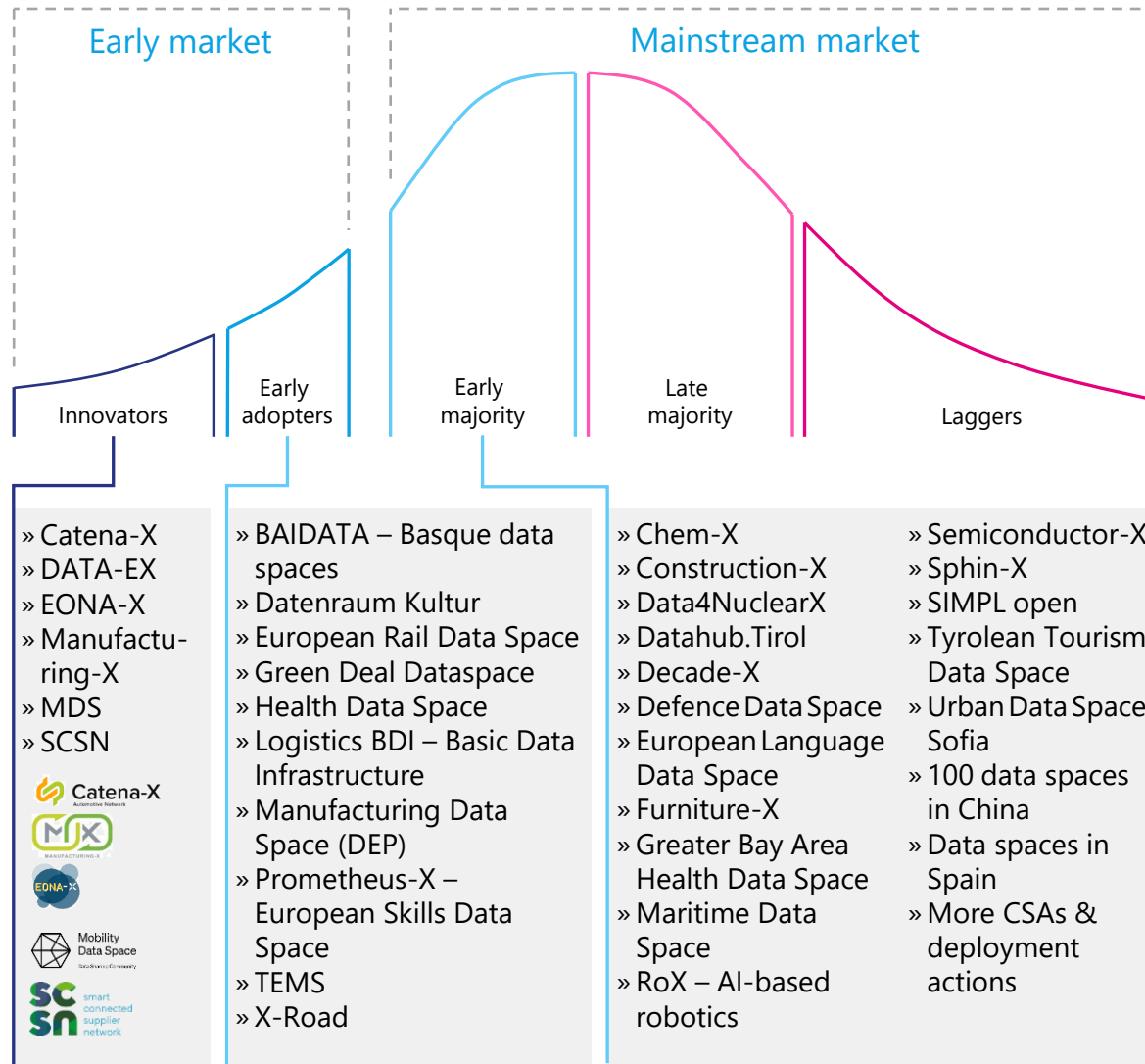
Organizations that view data spaces merely as tools, rather than as strategic data management capabilities, risk undermining their data-driven efficiency, innovation, and competitive differentiation.

Gartner.

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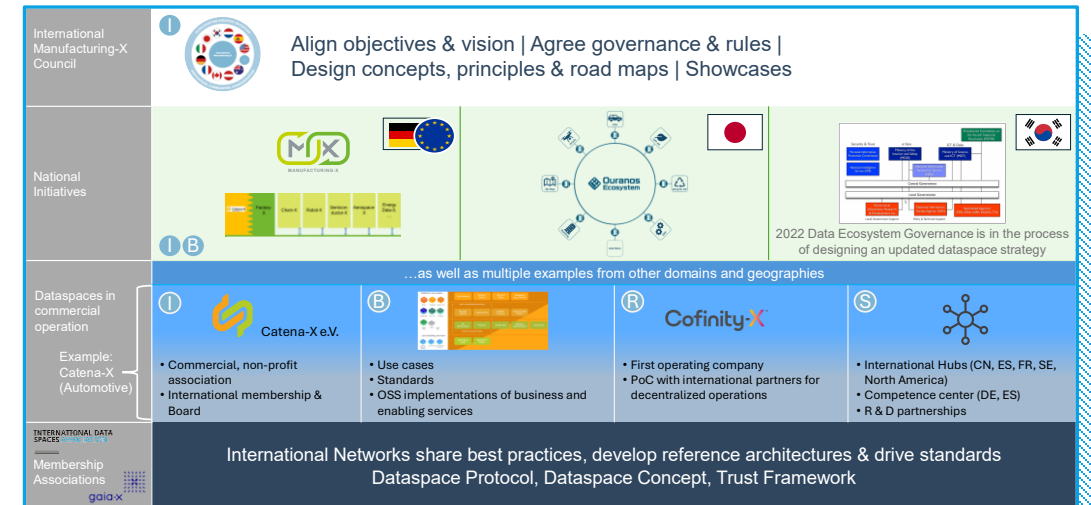
Real IDS-based data spaces

IDS concepts as baseline for trusted data sharing



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Existing industrial data space initiatives



Source: International Manufacturing-X Council



>>> www.dataspaces-radar.org

Accelerate industrial data spaces

IDSA has woven a powerful ecosystem for data spaces success

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The Data Spaces – manufacturing and close to it



So much more:

>>> www.dataspaces-radar.org



Partners in the manufacturing domain



Cloud initiative goes Data Spaces

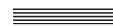


Digital Twins go Data Spaces

Trust frameworks, data rights, cloud



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Coordination of data spaces success



SME go Data Spaces



SME go Data Spaces



International MX ecosystems go Data Spaces



Tractus-X goes Data Spaces



Europe goes Data Spaces



Japan goes Data Spaces

Data Spaces Operations



More...

Open Source Software and features



More partners and activities all over the world...



We want to make Industrial AI happen

IDSA focusses on real world, adoption, scaling

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Data Spaces Success Centre 2

Sector
orchestration,
value coaching, AI
continent.



Data Spaces Adoption Forum

Faster deployment,
distribution via
CSP, onboard the
millions, connector
fabric manager

Data Space
Adoption Forum

Data Spaces Accelerator

Giving evidence to
data spaces
success. Enable
1.000 participants
to do data spaces.



Tractus-X Accelerator

Empower Tractus-
X for all domains
as foundation for
many and new
data spaces.



IPCEI AI

Data Spaces as
one pillar for
Industrial AI.



Taskforce AI
and Data
Spaces

A global soft infrastructure for data spaces – like GSM for mobile telecommunication

National flavors and power by using global standards

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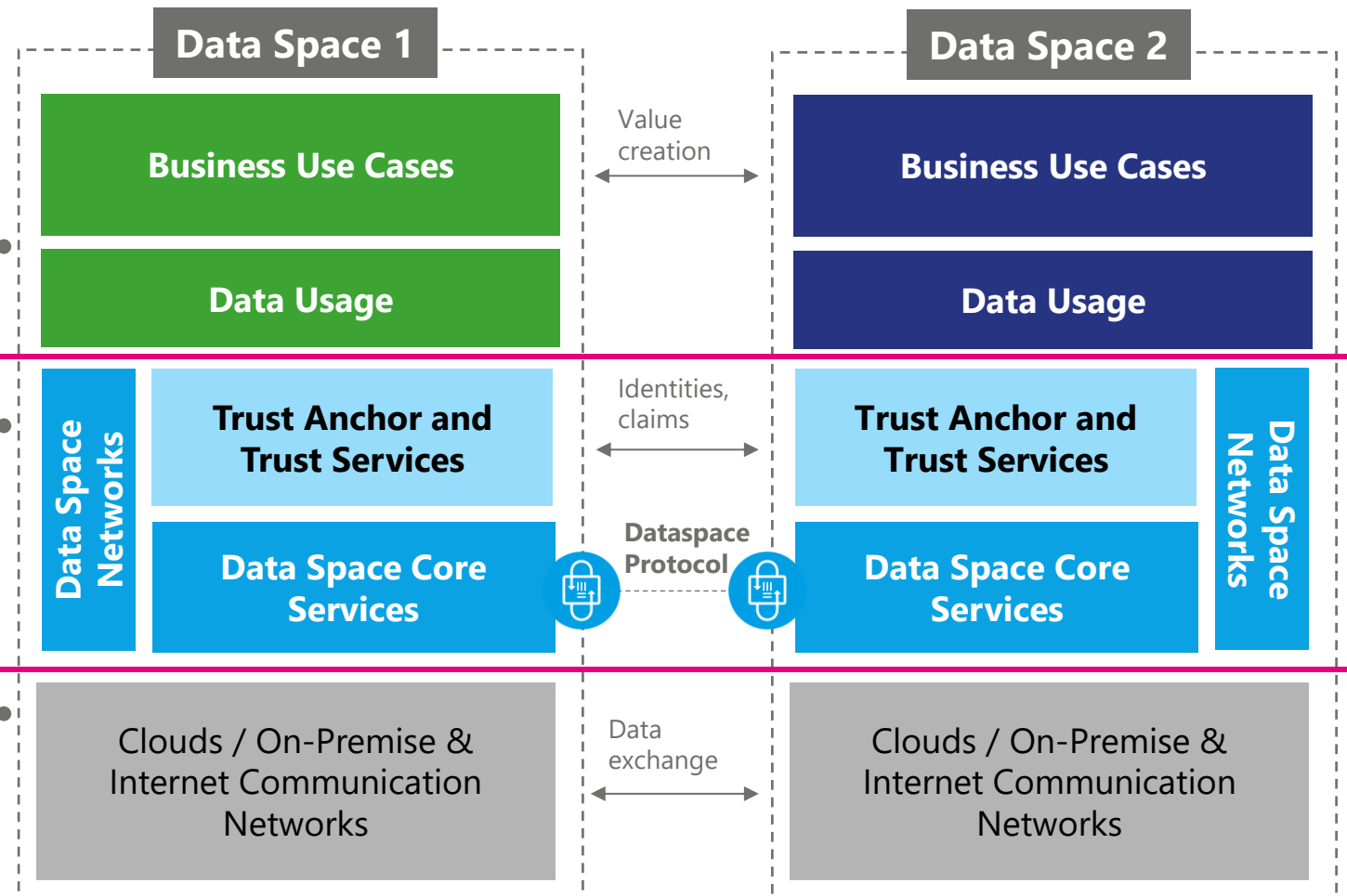


Specific data strategies and standards in different economic areas and domains

Global standards to ensure global value creation

Interoperability – while complying with national data strategies, national standards, regulation and infrastructure

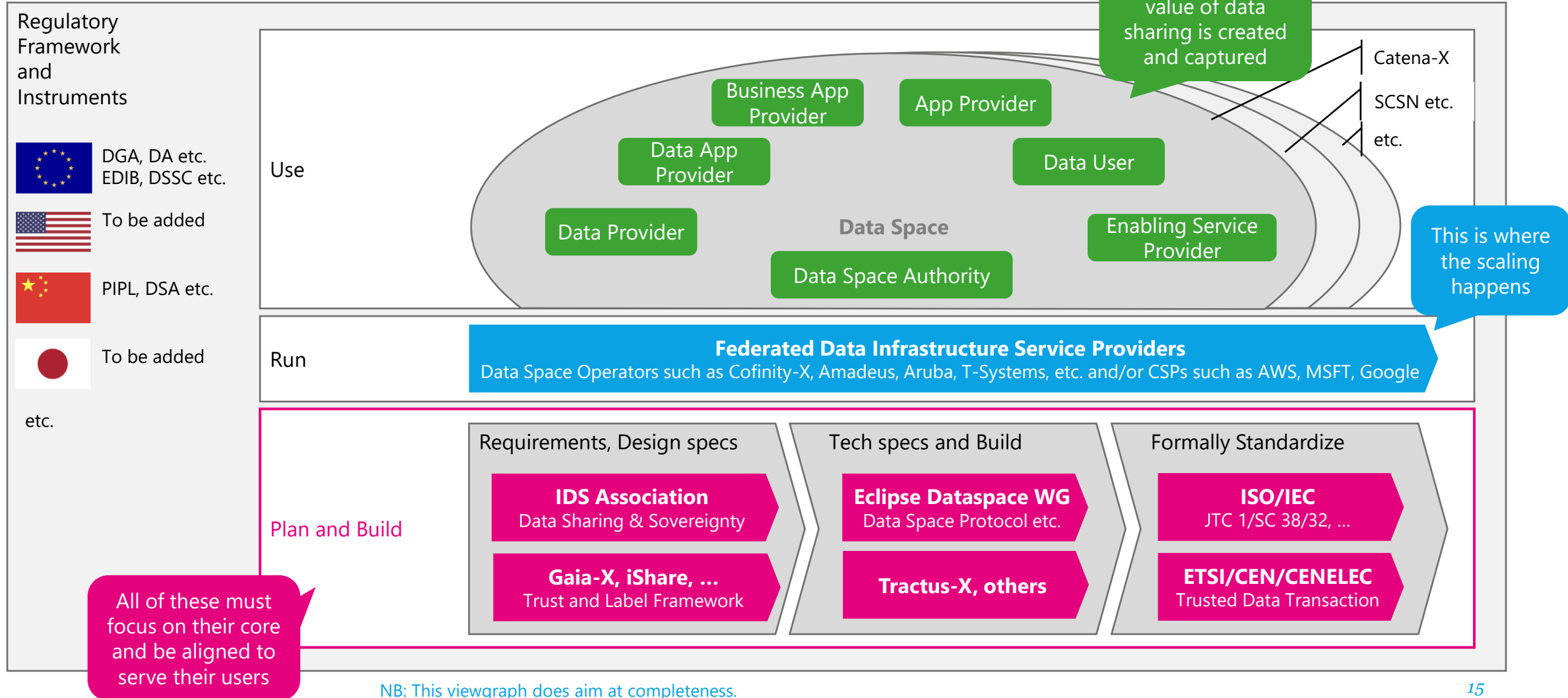
Companies (Telco operators, CSPs, SW vendors) provide the new soft infrastructure for data spaces



The Big Picture

Cloud-Based Data Spaces

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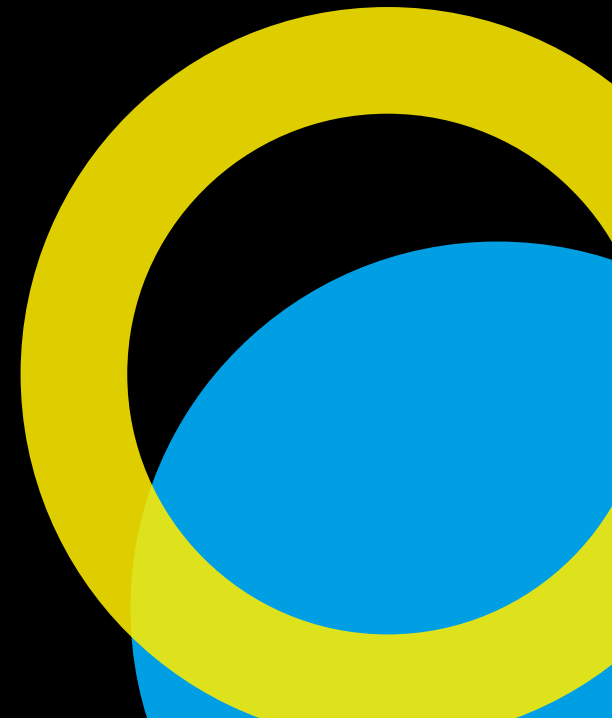
Keynote

Study: Findings on the current state and Economical potential of data spaces

Fabiana Vidal de Oliveira & Philipp Naber | Accenture



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Data as a Factor of Production

Importance and economic potential of
industrial data ecosystems

Hannover Messe, April 2026



Fabiana Vidal de Oliveira



Philipp Naber

Scaled data spaces offer substantial economic potential

7.3%
EBIT effect on
company level*

In the first year:
Immediate value for large companies
Delayed value for SMEs

7.5 bn€
Macro-economic
potential*

German core industries:
Automotive, chemicals,
mechanical & plant engineering

Study Scope

- ❖ Analysis of data ecosystem landscape, patterns and evolution path
- ❖ Calculation of economic potential on company, value chain and macro-economic level

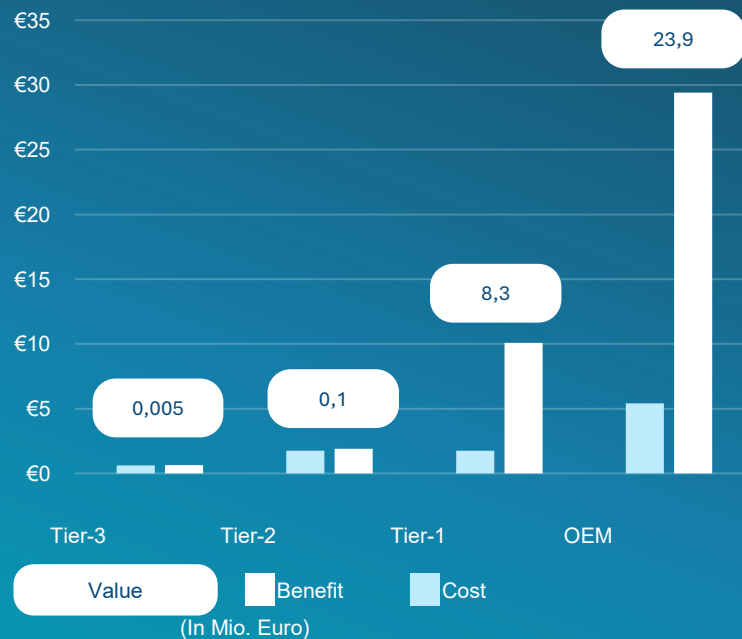
Study Metrics:

- ❖ 3 industries
- ❖ 3 levels of abstraction
- ❖ 3 company sizes
- ❖ 6 use cases
- ❖ ~50 expert interviews

*during the first year, assuming broad participation and digital readiness

Asymmetric value distribution indicates need for value sharing

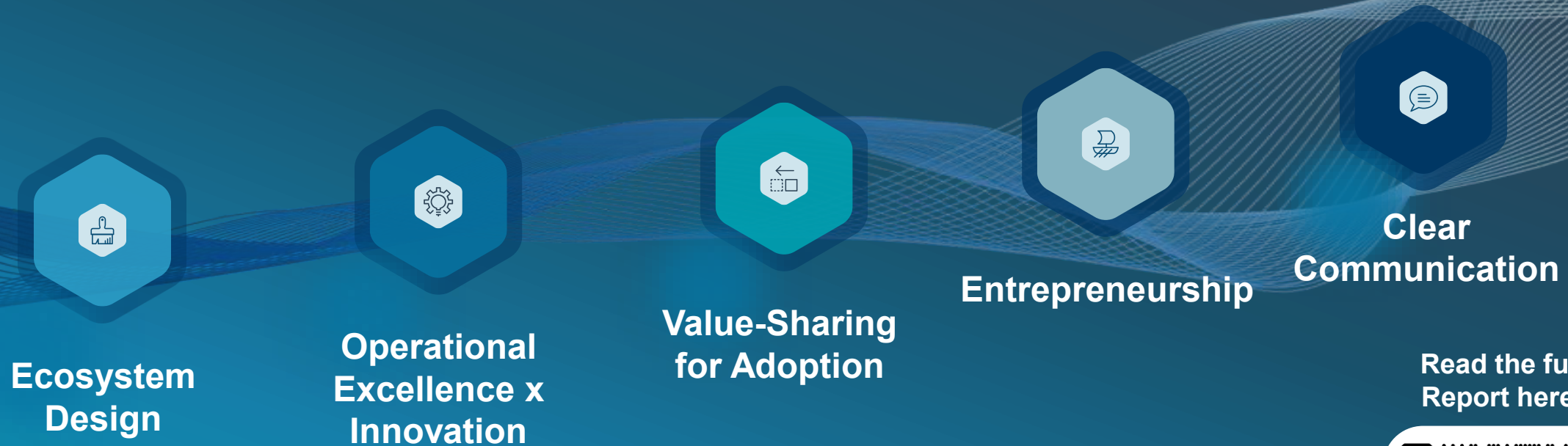
Value distribution along the value chain
Automotive recall example*



- ❖ System-wide benefits exist, but distribution is uneven
- ❖ Cost structure delays benefit for SMEs, but they are crucial to unlock the full potential
- ❖ Value sharing needed to balance benefits and accelerate adoption

*underlying cost distribution: 70% OEM, 30% suppliers along the value chain

It's an ecosystem effort!



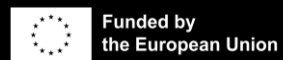
Read the full
Report here:



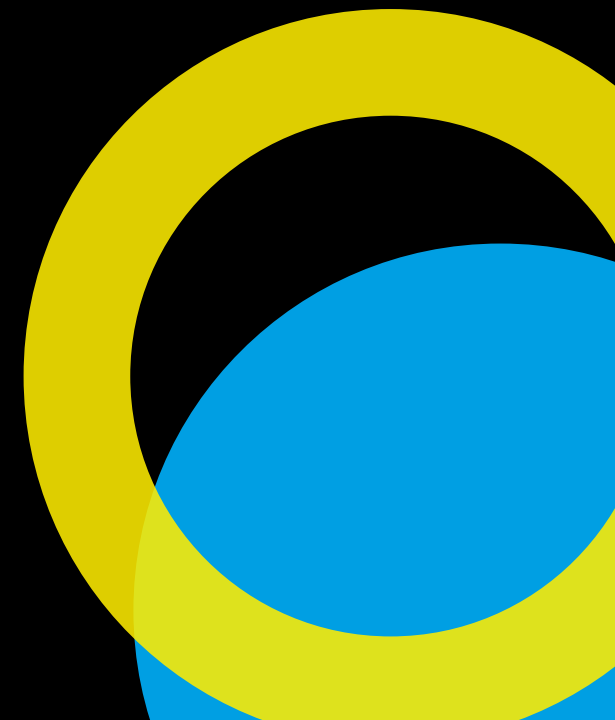


Partner statement

Christian Mosch |
IDTA

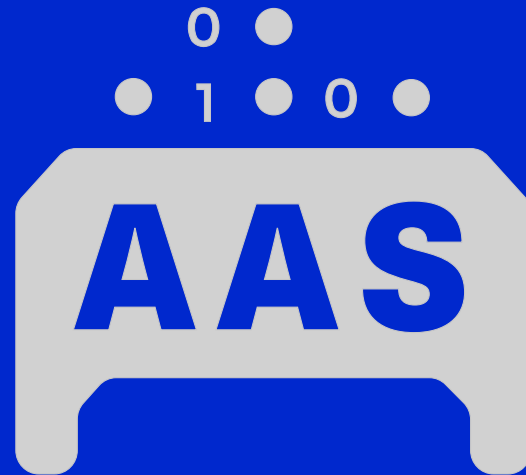


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IDTA  IDSA

Asset Administration Shell

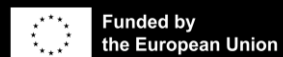


The proven Semantic Standard for
Digital Twins and Interoperable Dataspaces

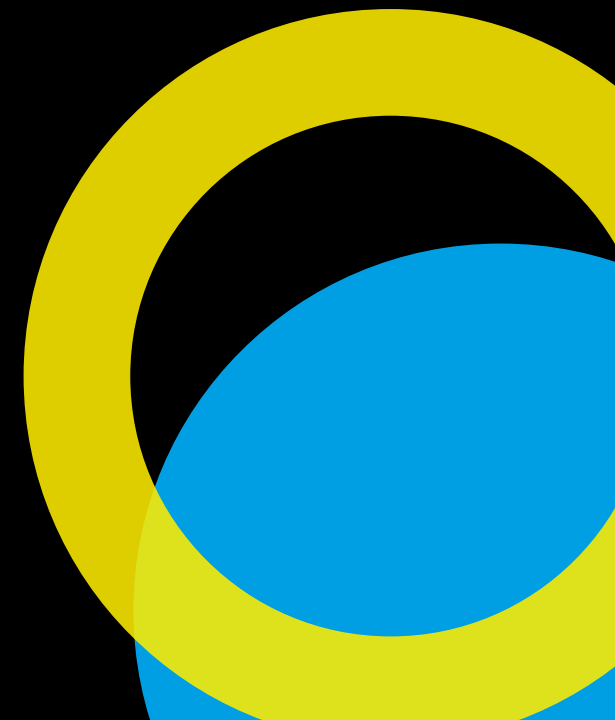


Partner statement

Johannes Diemer | ARENA2036



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Stronger together

let's create the prospect for
shared European success now

Johannes Diemer | ARENA2036

Stronger together

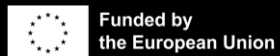
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The Tractus-X is at a tipping point

let's create the prospect for shared European success now

- Joint development and coordination across all Open Source Activities
- Extend the exiting Tractus-X developer community approach



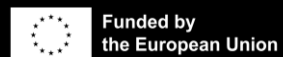
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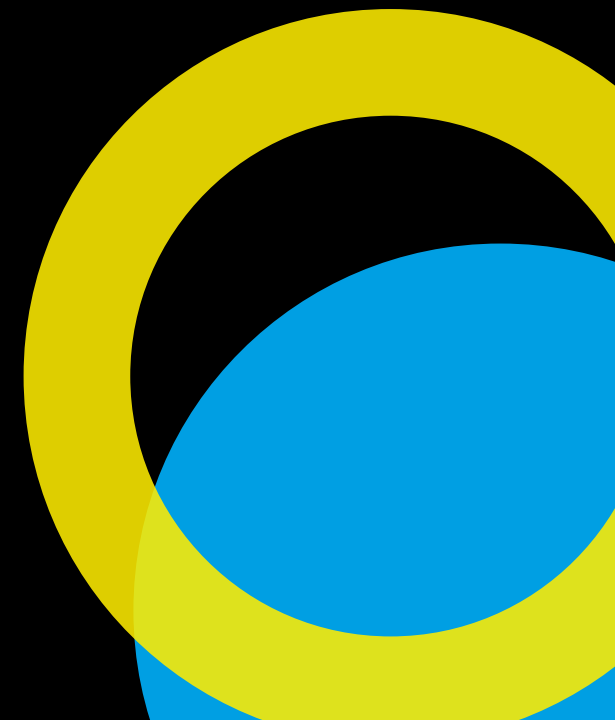


Partner statement

Oscar Lazaro | Innovalia – EuroFMX



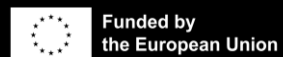
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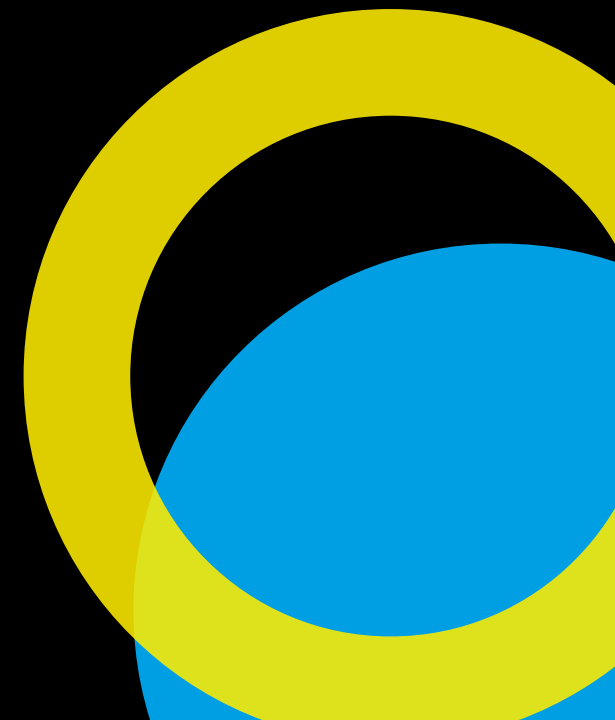


Partner statement

Stefan Hoppe | OPC Foundation



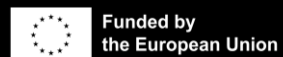
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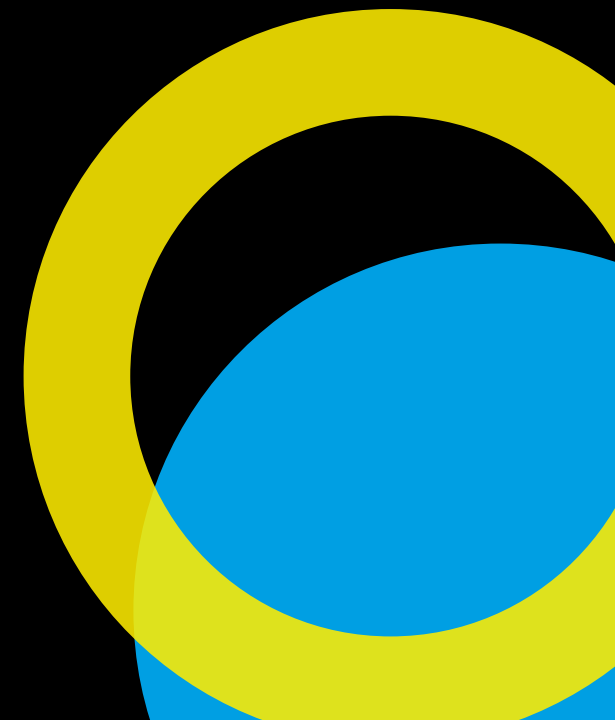


Partner statement

Gerard van der Hoeven | iSHARE



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iSHARE + IDSA Complementary by Design



Data Rights Profile (DRP) × Dataspace Protocol (DSP 2025-1) × Decentralised Claims Protocol (DCP 1.0)

iSHARE · Trust Framework for Data Rights

Data Rights Profile

iSHARE leads

DataRightsCredential · licenses.ishare.eu

iSHARE leads the Data Rights Profile — the standard for expressing data access rights, usage conditions and licenses.

Compliance, Legal & Role Claims

iSHARE leads

FrameworkComplianceCredential · DataspaceAgreementCredential · DataspaceRoleCredential

The enabling conditions: what has the party agreed to, what role do they hold, and are they compliant?

Participant Credential

Certified issuers

PartyCredential · DataspaceMembershipCredential

Who is this party? Member of which dataspace? Issued by certified Participant Registries.

Certified Issuer Ecosystem

Authorisation Registry & Data Rights Credential issuer: KPN · Visma
Participant Registry & Party / Claims issuer: DjustConnect · DADs · ITC ·

Together

Data Rights Enforcement

DataRights conditions resolved in DSP contract negotiation

Compliance & Role

Party claims verified via DCP 1.0 before data transfer

Identity & Trust

Participant credentials presented via DCP at connector

Eclipse Dataspace WG

Founding members:
iSHARE · IDSA · Microsoft

IDSA · DSP 2025-1 + DCP 1.0

Discovery & Agreement

Catalog & Contract Negotiation

DSP 2025-1 · DCAT Catalogs · ODRL Policies

How is data offered and usage agreements negotiated?

Transfer

Transfer Process Protocol

DSP 2025-1 · HTTPS · Data plane agnostic

How is data transferred once agreement is reached?

Trust & Identity

Decentralised Claims Protocol

DCP 1.0 · VC exchange · OID4VC (H2M wallets)

How are credentials and trust conveyed at runtime?

Connector Ecosystem

Eclipse EDC (Tractus-X / Catena-X) · TRUE Connector · Amadeus DSC
DSP 2025-1 + DCP 1.0 certified · TCK tested · ISO track



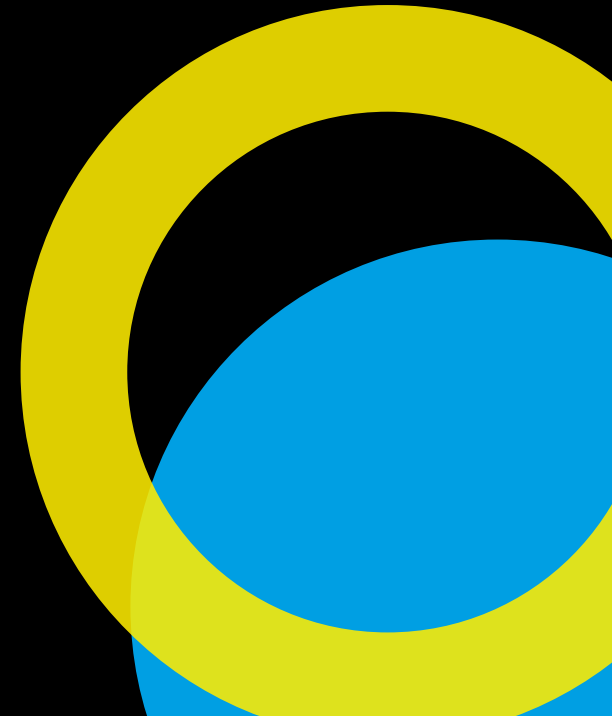
Pitch

Semiconductor-X | Collaboration in value chains – Scaling data spaces in the semiconductor industry

Haris Avgoustinos | EXPO21XX

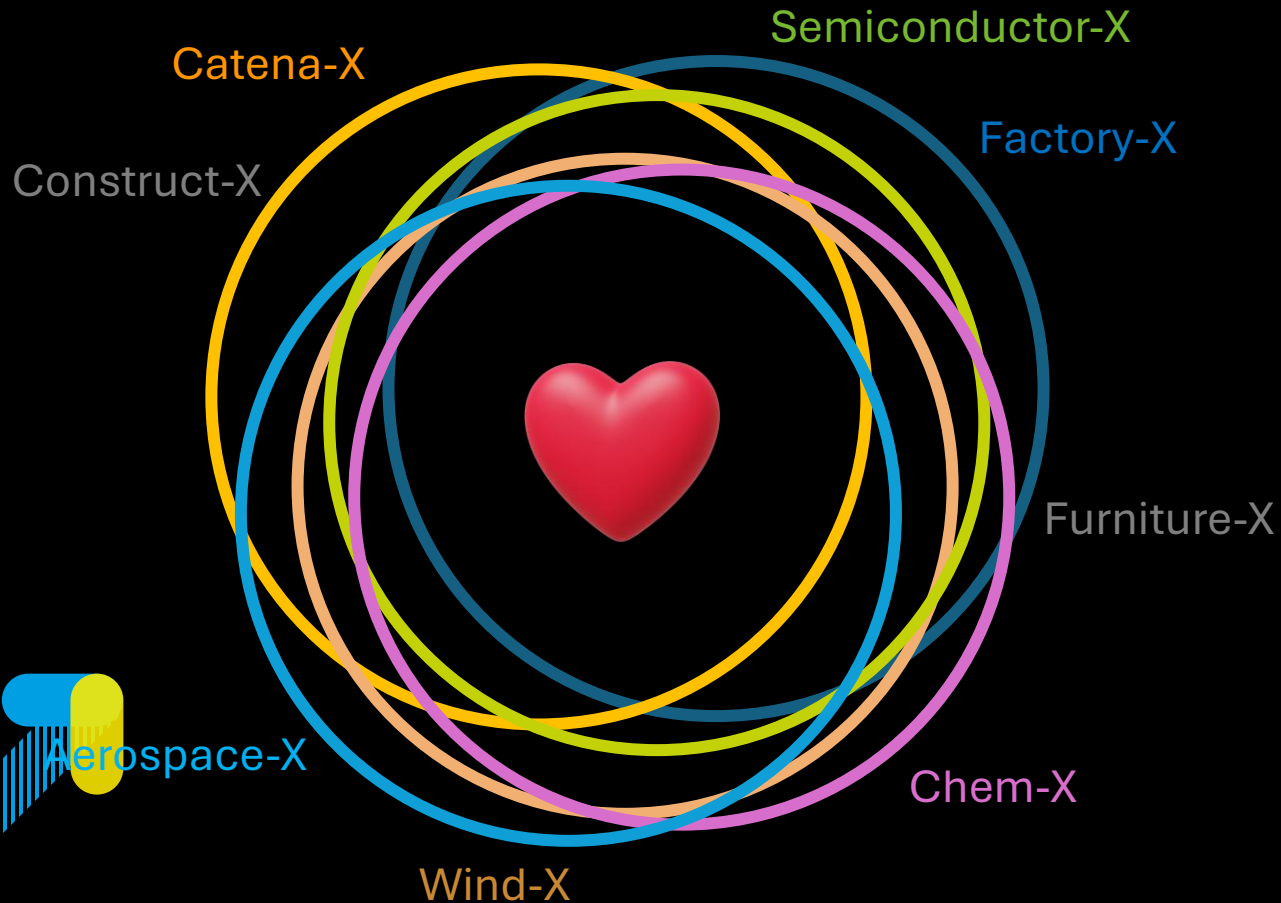


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Cross-Dataspace Collaboration in the Value Chain

The New Industrial Data Ecosystem: Dataspace of Dataspaces



Common Ground

All you need for infinite collaboration



Identity

Common Identity eIDAS 2.0



DSP/DCP Protocol

Common Data exchange proto & procedure



AAS

Interoperable Use Case driven Data Container



MX-Port

Universal Hercules & Easy Leo



E2E Security & Operations

Ensuring secure system operations



Dataspace APPs

Deploying 1001 Interoperable Use Cases



Tractus-X KITs and CX/SX Guidelines

Interoperable procedures



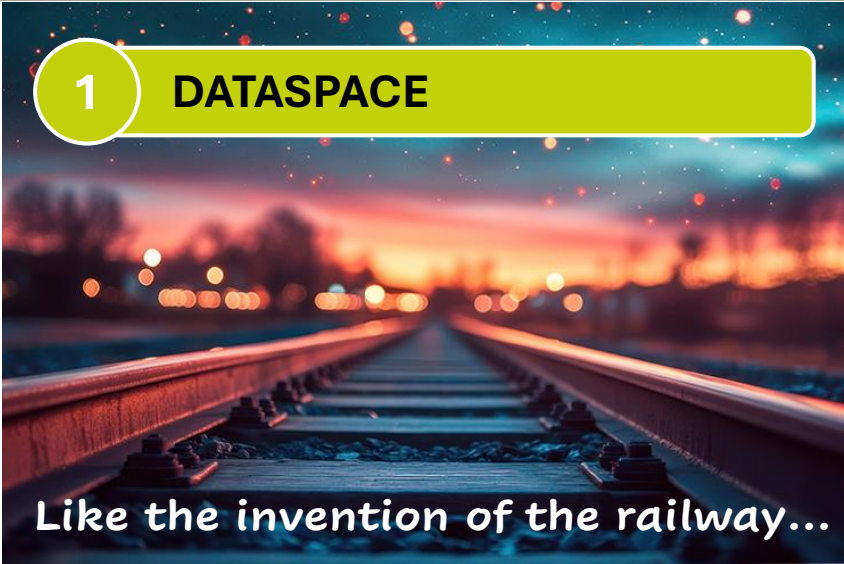
SEMICONDUCTOR-X

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The Building Blocks of the DATASPACE

Storyline

1 DATASPACE



Like the invention of the railway...

2 DATA INTEROPERABILITY



...the AAS is the container...

3 PROCESS INTEROPERABILITY



...the KITS enable ww scaling...

4 CYBERSECURITY



...securing world's target Nr #1...

5 COMPLIANCE



...helping saving the Planet

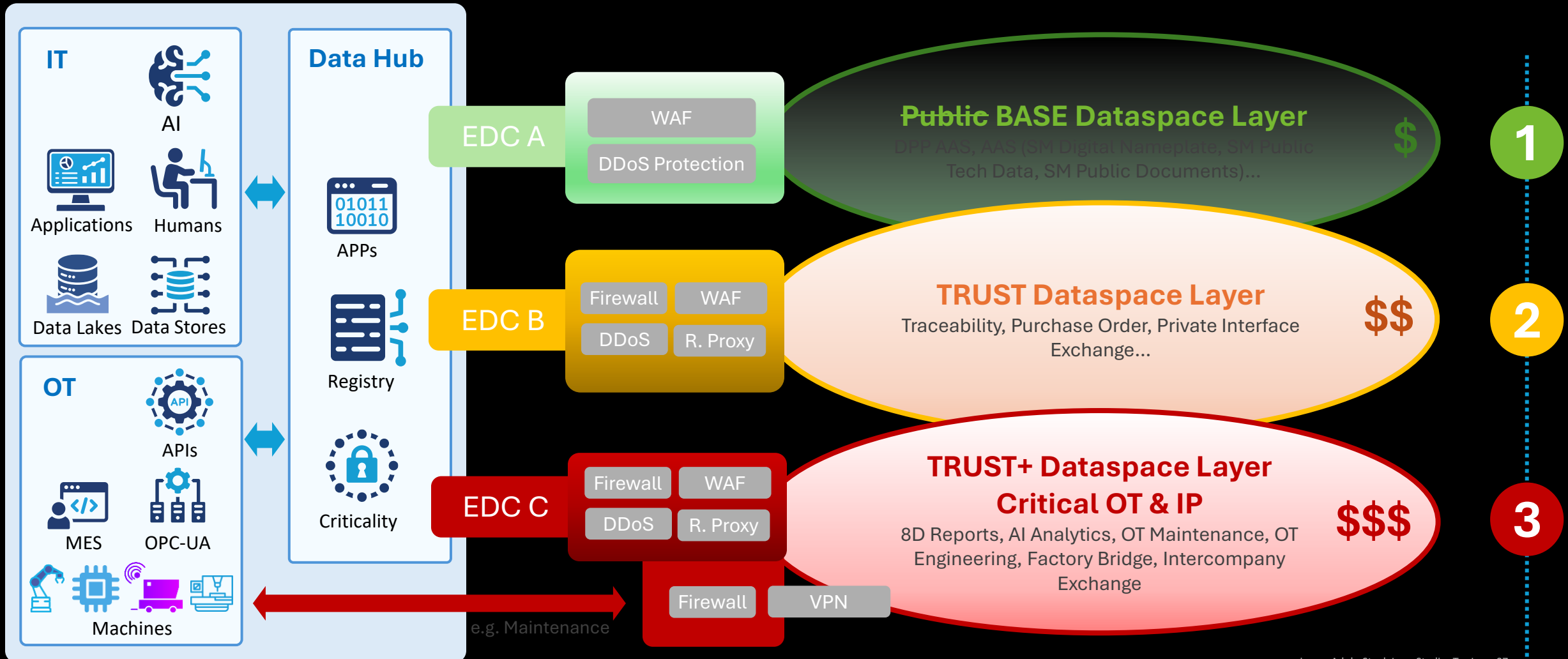
6 NEW BUSINESS



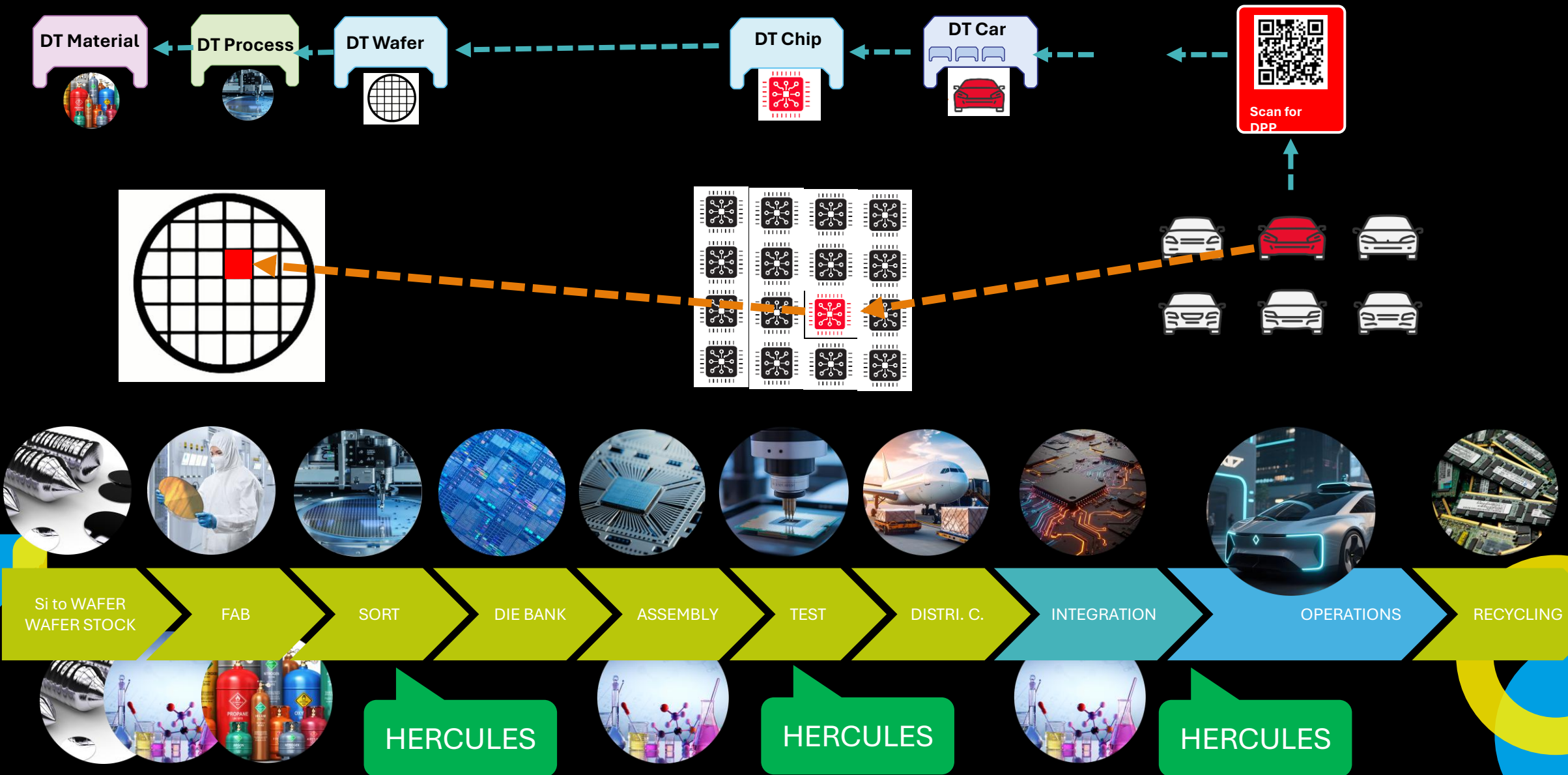
...is the DNA of millions new APPs...

Architecture & Components

Sensitivity of the Dataspace: (Zero)Trust Layers



Use Case Backward Traceability



Compliance Process

Complete all steps

- ✓

Compliance
- ✓

Legal
- ✓

Metadata
- ✓

Purchasing
- ✓

Logistics
- ✓

Summary
- 7

Transfer
- 8

View Results

Dataspace Exchange Dashboard

Wafer Probe Outsourcing Process Simulation

Data Exchange Negotiation

Control Plane

Participant 1

✓

Partner
Discovery

✓

Service
Selection

✓

Contract
Negotiation

✓

Transferring
Request

✓

Request
Accepted

✓

Endpoint
Received

✓

Transfer
Complete

Control Plane

Participant 2

EDC Connector

Control Plane

Participant 1

DataHub

Data Plane

Participant 1

agreement_AGR-2026-0418_202604...

PurchaseOrder_P0-SX-00127_2026...

ShipmentNotification_P0-SX-001...

ShipmentConfirmation_P0-SX-001...

Loop 2 - Day 2

Simulation speed: 3s per phase

Wafer Probe Process

Loop 1 - Day 1

✓

Wafer test price/time
service negotiation

✓

Wafer test Purchase
order emitted

✓

Wafer Lot Shipment
Information transferred

Loop 2 - Day 2

✓

Shipment Confirmation
Received

Tracking code received

Shipment received

Loop 3 - Day 3

Wafer Probe Data Available

Wafer Probe Fetched

EDC Connector

Control Plane

Participant 2

DataHub

Data Plane

Participant 2

OrderConfirmation_P0-SX-00127_...

ShipmentReceptionQMCheck_P0-SX...

Dataspace Exchange Running | Data Exchange

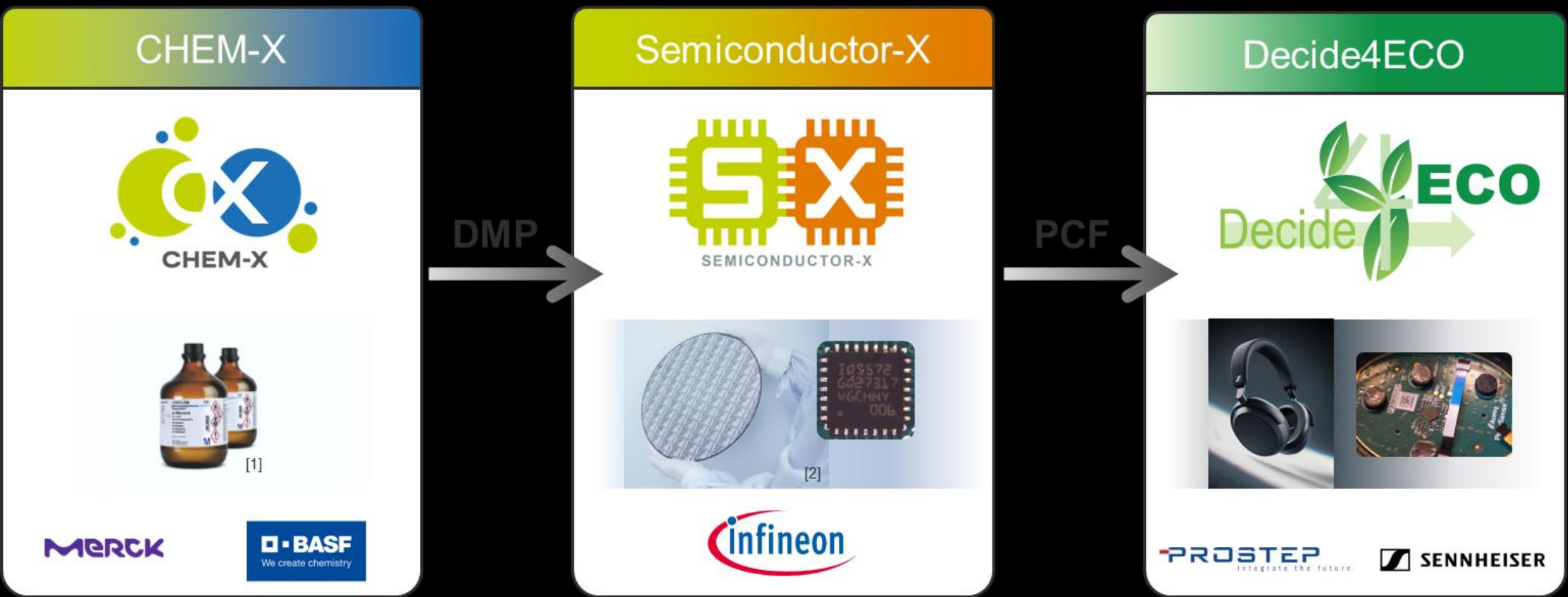
Current Phase: Loop 2 - Day 2

← Back

Next →

Semiconductor-X Value Add

Demonstrator – Cross Data Ecosystems



Disclaimer: This demonstrator is intended solely for illustration and demonstration purposes and does not represent any real customer relationships. The companies mentioned collaborate only within the framework of pre-competitive funding projects.

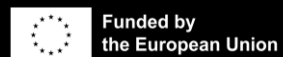
[1] Merck: https://www.merckmillipore.com/DE/de/products/reagents-chemicals-labware/jEyB.qB.xZ4AAAE_X_x3.Lxi.nav
[2] Infineon Technologies AG: <https://www.despatch.com/blog/infineon-produces-the-worlds-most-advanced-300-mm-gan-wafer/>
[3] (c) Sennheiser



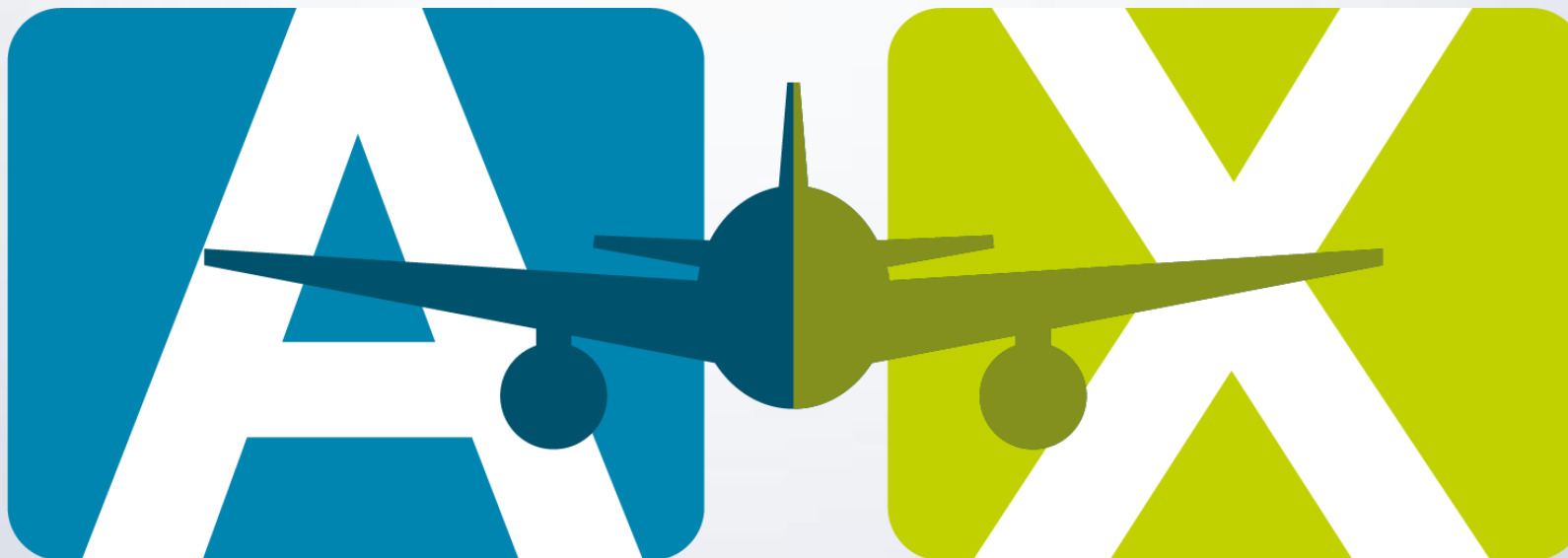
Pitch

How Aerospace-X is accelerating industrial decarbonisation and industrial competitiveness across borders

Felix Beckmann | Airbus



This event is organised as part of the project PLIADES, which integrates data life cycles across sustainability and manufacturing operations in the process industry. PLIADES receives funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101135988.



AEROSPACE-X

21.04.2026 - Hanover Fair

Airbus - Felix Beckmann - Research & Technology Manager



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NextGenerationEU

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Federal Ministry
for Economic Affairs
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by the German Bundestag

Aerospace-X: Overview

Manufacturing-X

- Funding program launched by the German BMWK (Federal Ministry for Economic Affairs) in the context of Industrie 4.0.
- Cross-sectoral industrial initiative aiming at developing and establishing a decentrally organised data economy for the German and the European industry.
- The aerospace industry's Manufacturing-X dossier has been initiated by the BLDI and is called Aerospace-X

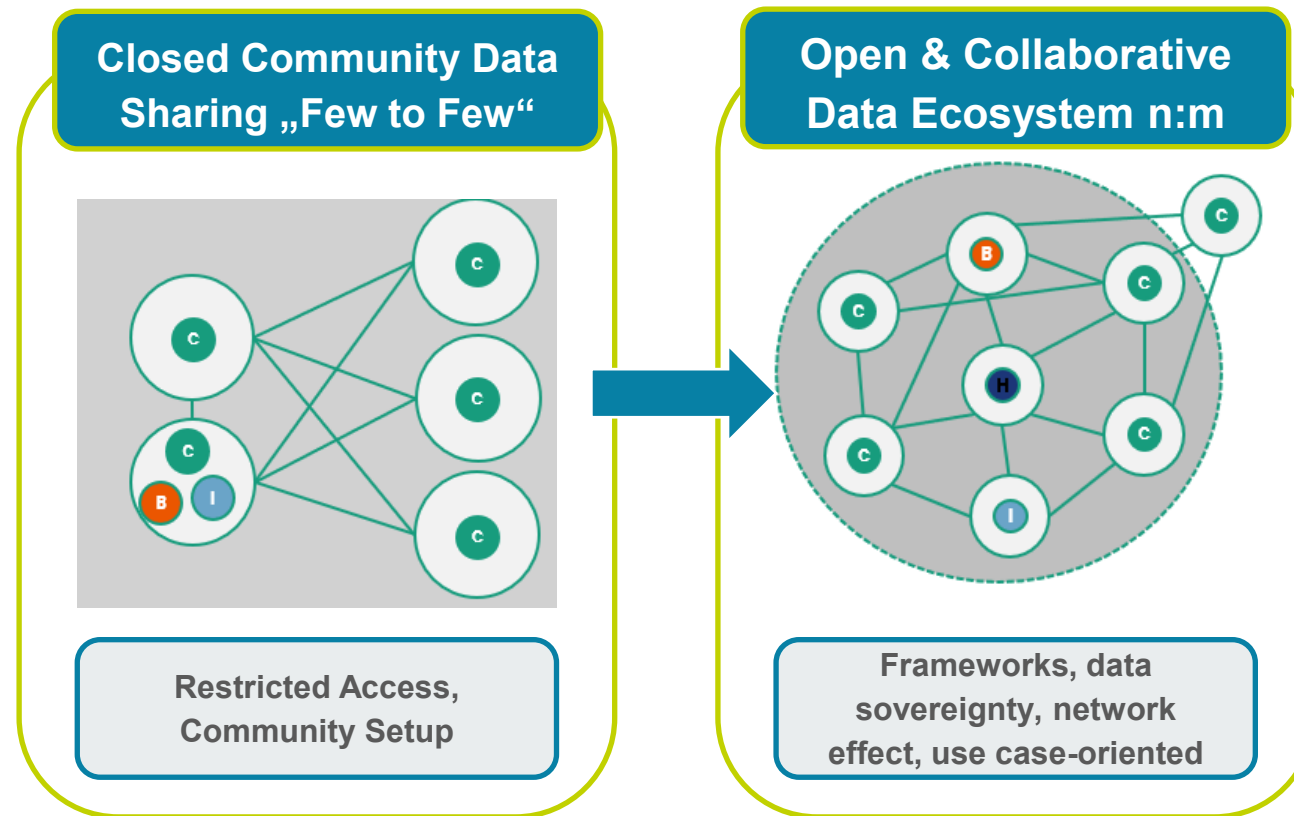
Aerospace-X:

- The **publicly funded project** of the Aerospace industry inside **Manufacturing-X**
- Strategic Objectives
 - Building the **digital ecosystem** for the aerospace industry in Germany and internationally
 - Ensuring **digital continuity** and common standards between aerospace product manufacturers, OEMs and the (multi-tier) supply chain
 - Enabling a new form of collaborative, data-based value creation

⇒ The aim is to transform existing processes and create the foundations for the digital future of the aerospace industry.

Aerospace-X: How to address the pain points today?

Industries adopt the open, collaborative approach of data sharing.



Contact

 Meet us @HMI,
Booth: Hall 13, C34



[Linked-In:](#)



Felix Beckmann

R&T Manager

Digital Affairs, Governance Partnership and R&T



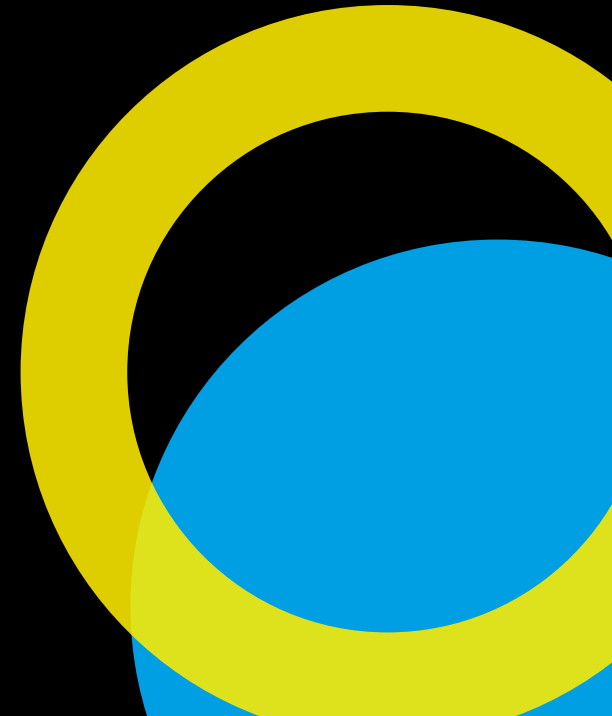
Pitch

Data space in action: How RoX enables AI and ecosystem services

Bernd Kuhlenkötter | ABB & Chris Langdon | T-Systems



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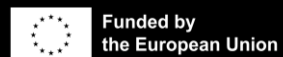




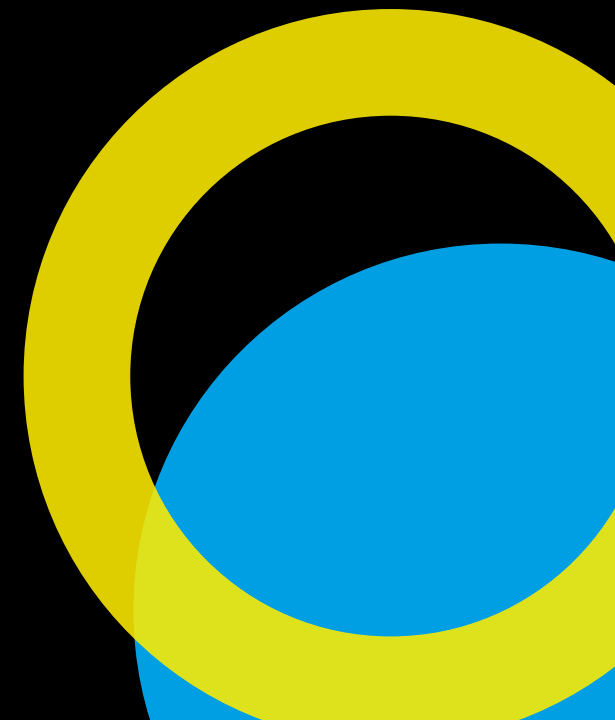
Pitch

Chem-X: Chemicals are everywhere – Digital Material Passports too

Andreas Wollny | BASF



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Project Chem-X: Chemicals are everywhere - Digital Material Passports too

Hannover Messe, 21.04.2026

Andreas Wollny, BASF

BASF
We create chemistry

Cofinity-X

COAC

SIEMENS

WACKER

MERCK

Catena-X
Your Automotive Network

EVONIK
Leading Beyond Chemistry

SAP

Henkel

**TOGETHER FOR
SUSTAINABILITY**

covestro

Sika
BUILDING TRUST

DAW

DEUTSCHE
AMPHIBOLIN-WERKE
VON ROBERT MURJAHN

SPHERITY



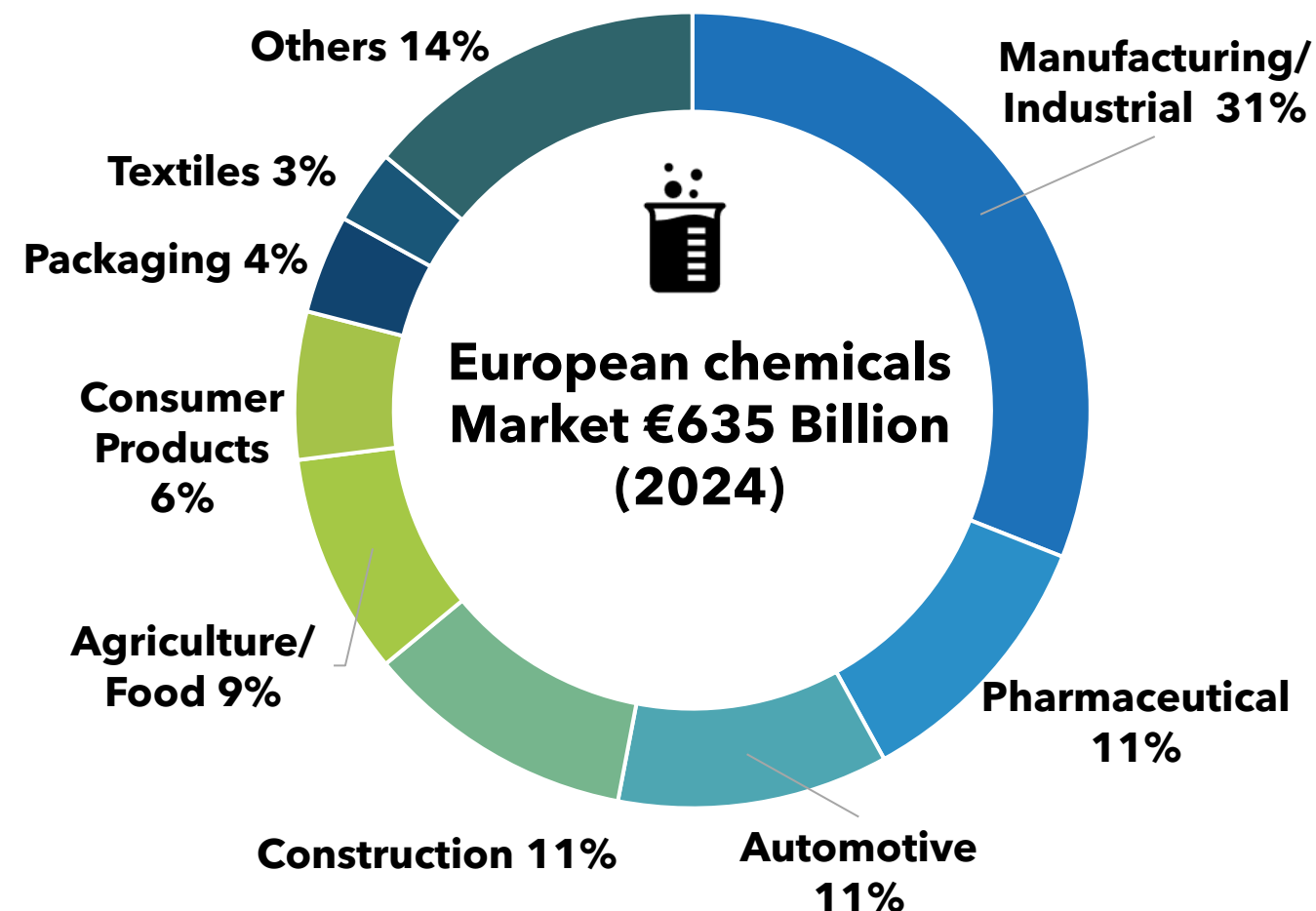
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Many industries start with chemicals



Environmental / Health / Safety (EHS) data handling cost today: €1 - 3 billion



Effort & Costs

Additional Digital Product Passport (DPP) data handling cost tomorrow: €2 - 4 billion

Source: Project-Chem-X

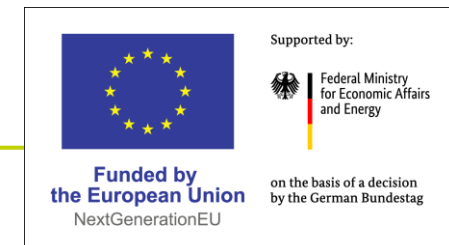
Source: Advancy analysis based on Cefic, Eurostat, Oxford Economics



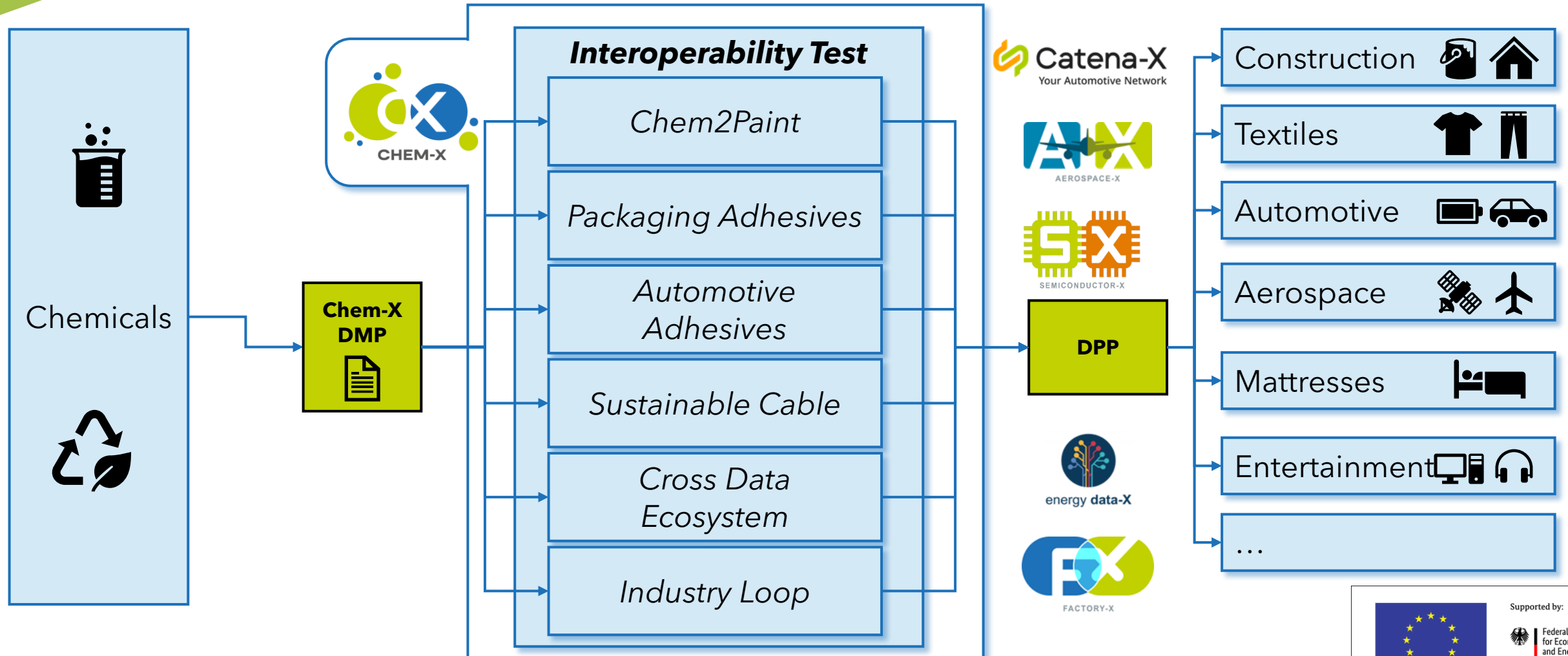
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Chem-X Test Case Interoperability Map



Many thanks for your attention!



For more information, follow us on LinkedIn and/or visit our homepage!



Plattform Industrie 4.0
Booth Halle 13 / Stand C24



www-chem-x.de

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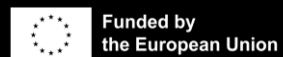
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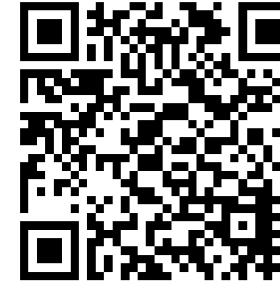
Pitch

Factory-X: open and collaborative digital ecosystem for factory outfitters and operators

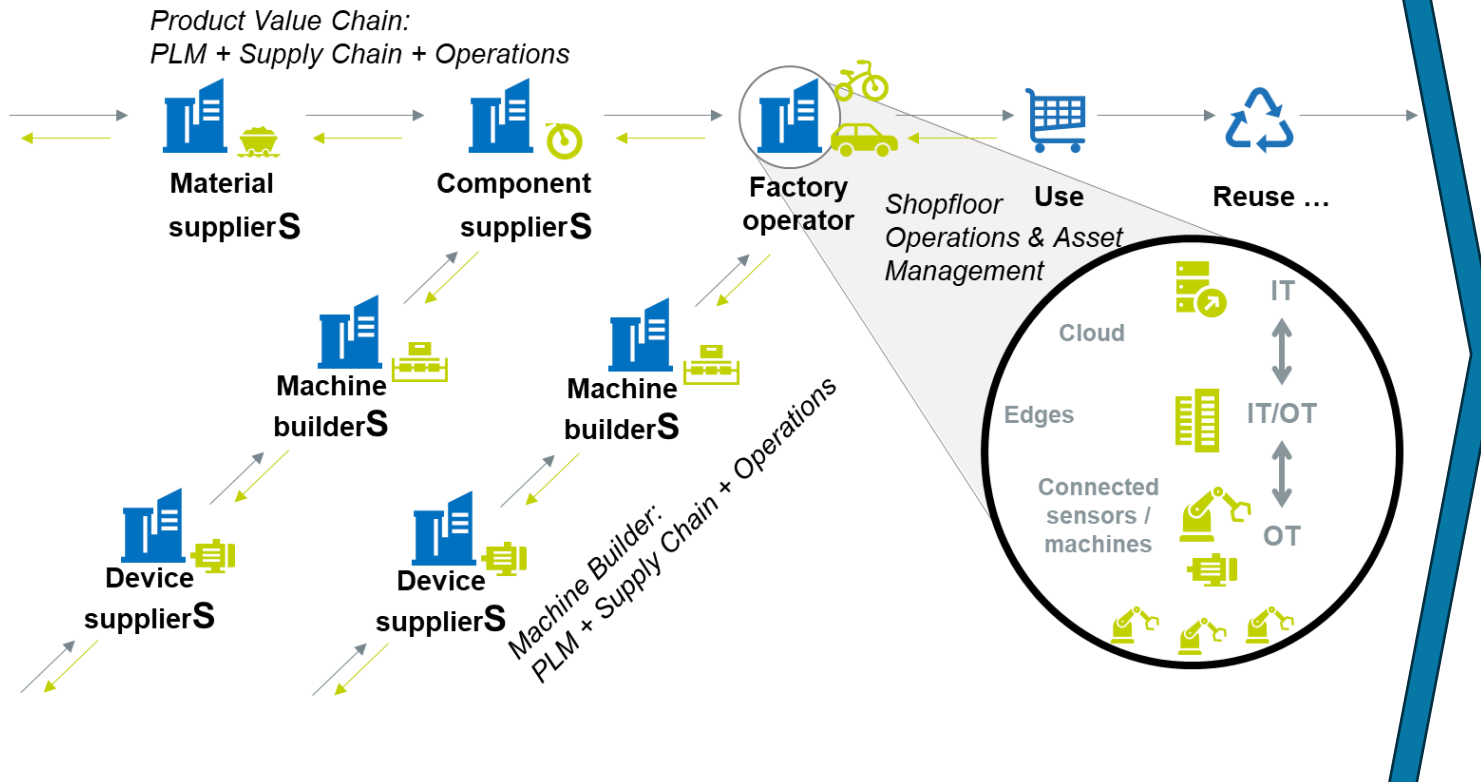
Silke Huesmann | SAP



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The Factory-X Continuum



Key project results have been published as open source in [GitHub](#)

[Announcing Release 2026-3 | Factory-X Architecture Decision Records](#)



[ADR Graph | Factory-X Architecture Decision Records](#)





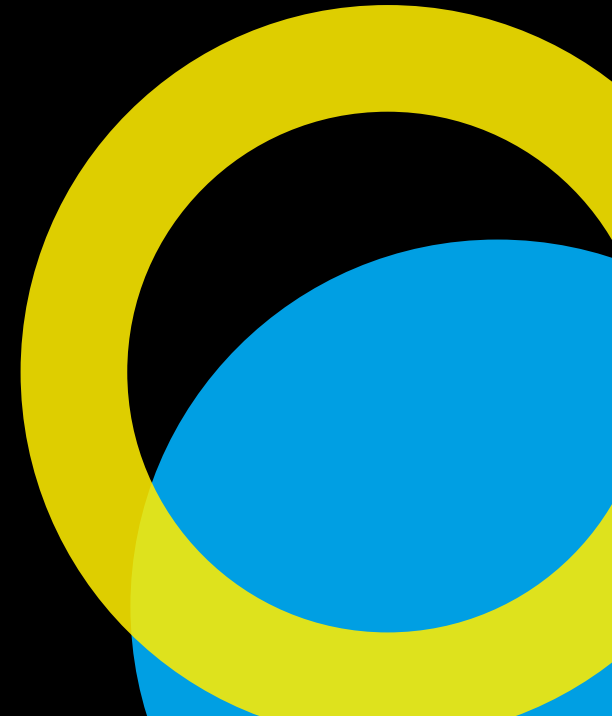
Pitch

Agile data space implementation in Construct-X: A Tractus-X-based approach

David Görzig | ARENA2036



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Construct-X – Tractus-X-based Dataspace for Construction

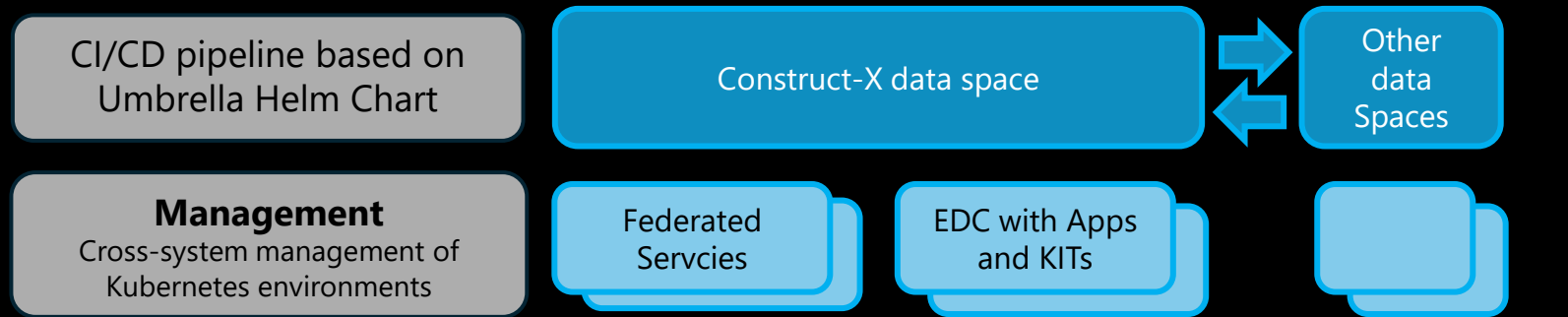
- » Digitization of temporary value creation networks across construction and plant engineering.
- » Tractus-X based core components enabling secure, sovereign, and real-time stakeholder integration.
- » Builds upon IPCEI CIS developments, utilizing its open-source implementations for federated cloud infrastructures and services.
- » Project period: 03/2025 – 02/2028

Construct-X consortium

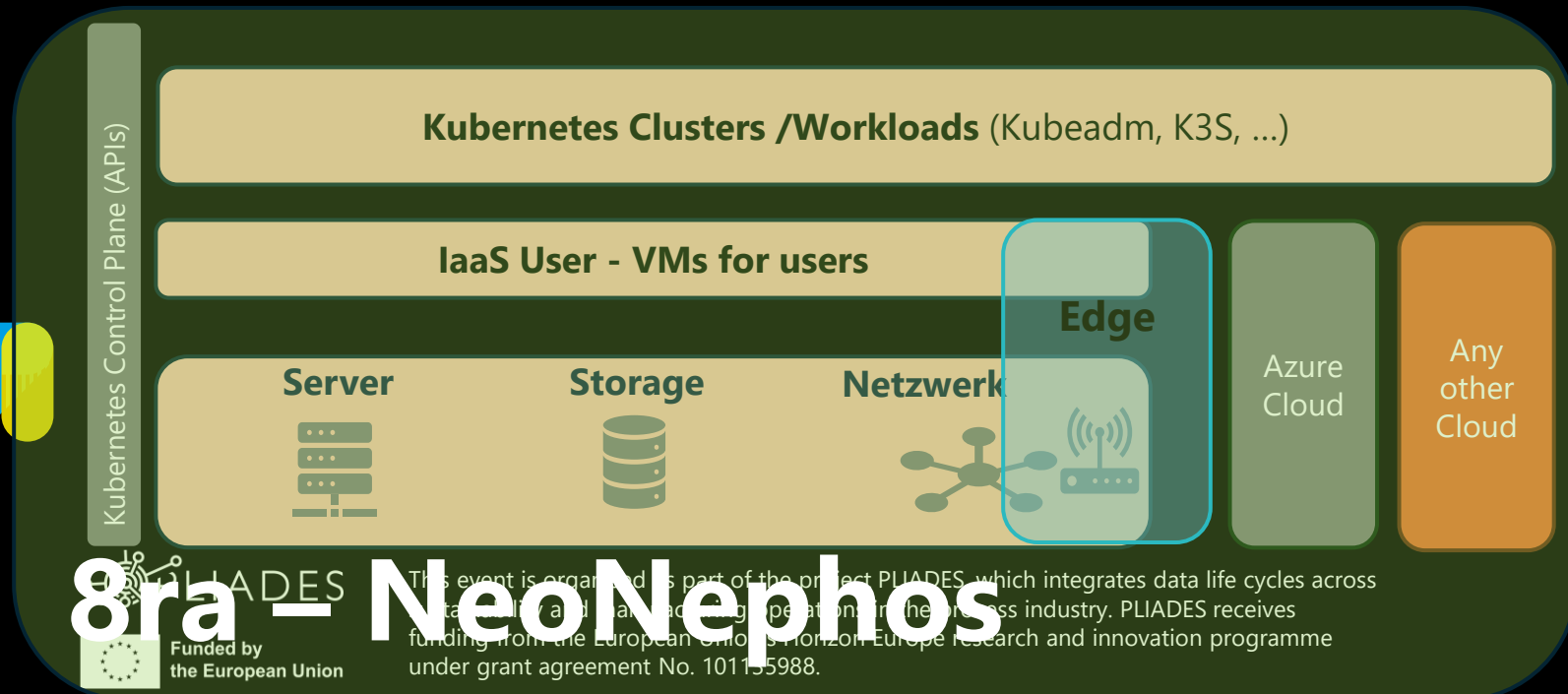


Construct-X within IPCEI CIS: Application of Open-Source Developments



Benefit for data ecosystems

- Utilization of sovereign European open-source tech stack federated cloud infrastructures.
- Facilitated deployment of Kubernetes clusters as the foundation for test environments and CI/CD integration.
- Bidirectional Feedback Loop between us as cloud operator and the core developers

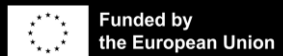




Pitch

DENSO & Fujitsu: Data space for Product Pass and AI, connecting organizations, industries, and countries

Oliver Scheit, DENSO | Takahide Matsutsuka, Fujitsu



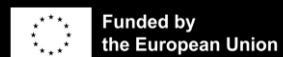
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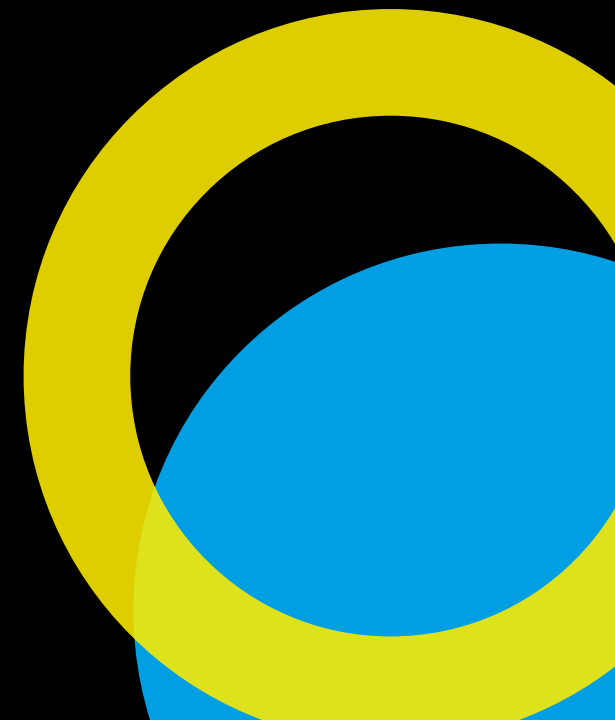
Solutions & services

Data space onboarding at low cost and low effort

Christoph Mertens | IDSA



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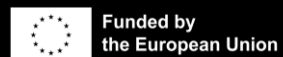




Solutions & services

Operationalise data spaces using open-source communities and testing environments

Pascal Kohlhasse | PwC



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Operationalise data spaces using open-source communities and testing environments

Two large, solid orange parallelograms are positioned below the title. They are oriented diagonally, with the longer sides running from the bottom-left towards the top-right. They overlap each other, with the one on the right being slightly higher and further to the right.



Many data space initiatives get the architecture right, **but operationalisation remains a challenge.**

Data spaces promise *sovereign, trusted data exchange* — but trust and sovereignty can't be validated on PowerPoint.

Interoperability works best **when it's built into shared code.**

Open-source turns interoperability from a bilateral agreement into a community property.

Standards become meaningful only when exercised.

Interoperability is only proven when multiple parties connect.

“

Operationalisation
must start **before
everything is
finalised.**

A testbed is not just
infrastructure,
**it is a collaboration
mechanism.**

Interoperability is proven by successful
end-to-end flows in a shared environment.

Open-source communities
and shared testbeds enable
**operationalisation
through collaboration.**

Let's talk

Data Spaces represent a cutting-edge technology poised to be the future of sovereign data exchange. At PwC we are committed to helping bring them to market.



Pascal Kohlhase

CIO Advisory | PwC Germany

pascal.kohlhase@pwc.com



**PwC Centre of
Excellence
for Data Spaces**

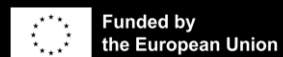
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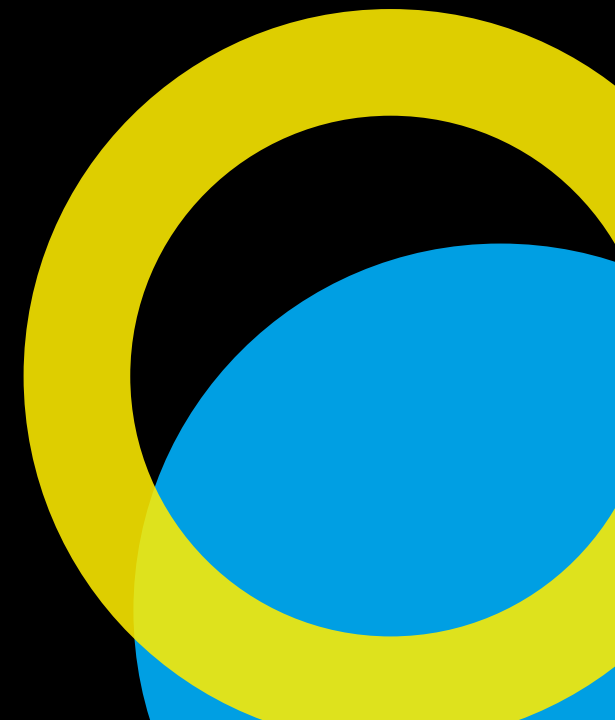
Solutions & services

Scaling Tractus-X – the role of the community

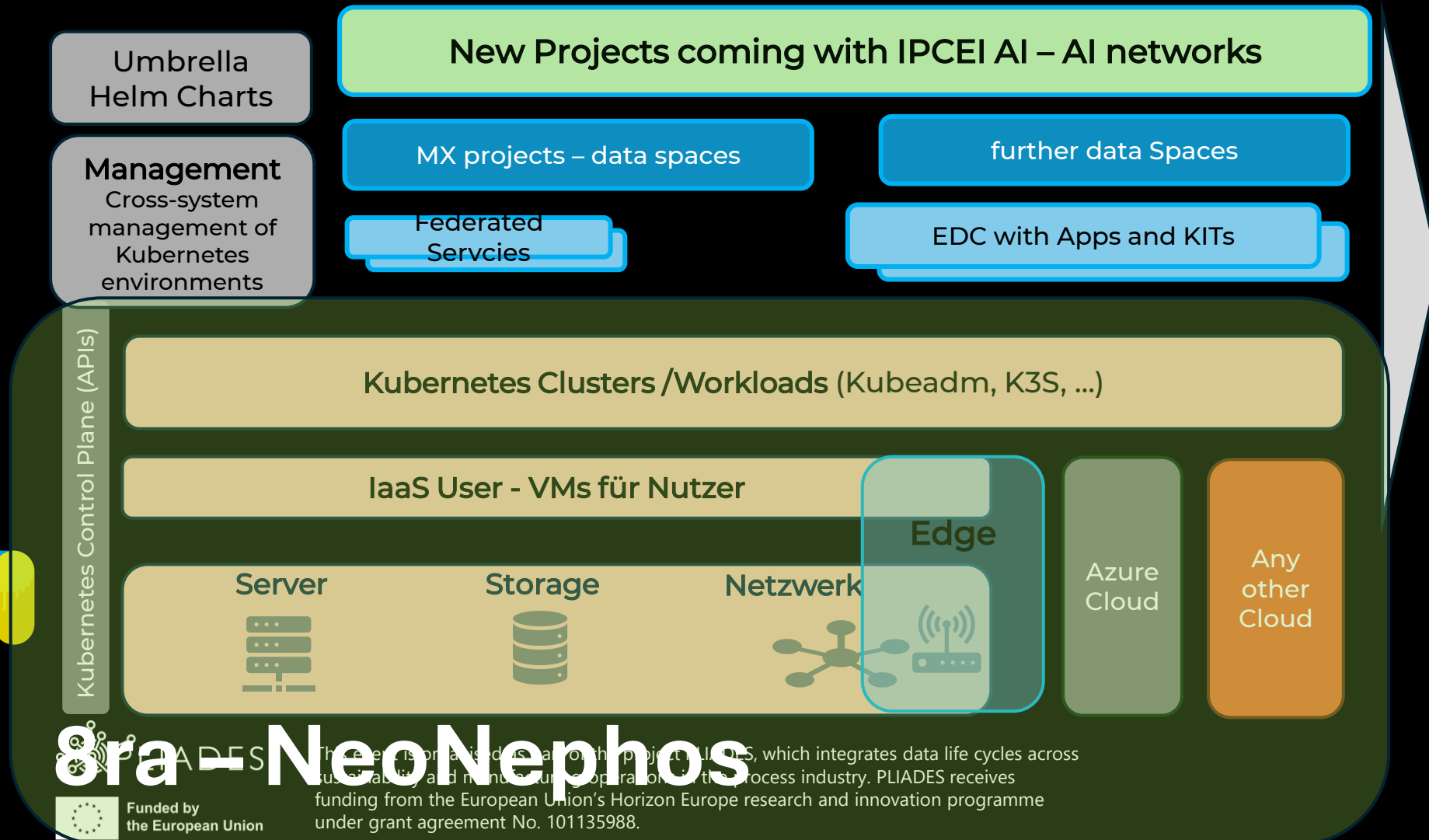
Johannes Diemer | ARENA2036



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Tractus-X embedded in a complete Open Source Environment: ARENA2036-X, Construct-X and more



Benefit for the Eco System

- Access to AI networks
- Access to data rooms
- simplified access
 - to Kubernetes
 - to virtual machines
 - to available infrastructure

The Eclipse Tractus-X community is a real, existing network of programmers

- **Tractus-X** is the largest Eclipse Foundation Project
- The **Eclipse Tractus-X Community** is an existing network of programmers who meet regularly at the Eclipse Tractus-X Community Days.



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- **The Tractus-X Community is growing beyond Catena-X::**
 - **Concept of the KITs** on Tractus-X has been opened up
 - **New EDC architecture** for easy industry-specific adaptation
 - More and more X-projects, use Tractus-X and contribute to its development – **a shared repository**

⌘ Developer

MODERATION

⌘ CATENA-X



Mathias Moser
Tractus-X Project Lead, Chief
Software Architect
Catena-X e.V.

⌘ AUTO-X ESAUTO-X (CATENA-X)



Mikel Garcia Bartolome
Tractus-X Project Lead,
Data Space Consultant
LKS Next - Spain

PANEL PARTICIPANTS

⌘ SEMICONDUCTOR-X



Ingolf Gehrhardt
Tractus-X Contributor,
Research Engineer - Smart Manufacturing
HTW Dresden

⌘ FACTORY-X



Arno Weiss
Tractus-X Committer,
Senior Developer
SAP SE

⌘ CHEM-X



Vikas Mishrikoti
Tractus-X Contributor,
Project Manager
Cofinity-X GmbH

⌘ CONSTRUCT-X



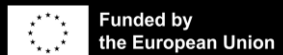
Saud Khan
Tractus-X Committer,
Senior Software Engineer
ARENA2036 e.V.

Topic:

A MULTI-DATASPACE COMMUNITY

Growing **TOGETHER** from a common core

ECLIPSE TRACTUS-X DEVELOPER PANEL | V ECLIPSE TRACTUS-X COMMUNITY DAYS | DATASPACE LOGOS ARE TRADEMARKED



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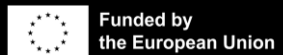
⌘ CONSTRUCT-X



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Senior Software Engineer
ARENA2036 e.V.

ECLIPSE TRACTUS-X DEVELOPER PANEL | V ECLIPSE TRACTUS-X COMMUNITY DAYS | DATASPACE LOGOS ARE TRADEMARKED

- **Let's create the prospect for shared European success now**
 - **Joint development and coordination** on new open topics
 - Further scaling of the Tractus-X Community (nationally and internationally).
 - Coordination with 8ra -> potential in context IPCEI AI



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ECLIPSE TRACTUS-X DEVELOPER PANEL | V ECLIPSE TRACTUS-X COMMUNITY DAYS | DATASPACE CONCEPTS TRADEMARKED



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Data spaces provide the basis for
the establishment
of networked AI agents and systems →

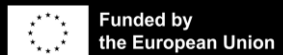
Next Elclipse Tractus-X Community Days in Stuttgart at July 2nd and 3rd, 2026



The Tractus-X community is THE group of players who drive the entire open source development from Catena-X and now also Manufacturing-X and further projects.



- High-quality and, above all, active participants
- Program consisting of:
 - Presentations on current implementation projects
 - EDC tutorial for onboarding new participants
 - Live presentation and hands-on experience with current solutions (Industry Core Hub, SDE/EMC)
 - Tracks for discussing future challenges (multi-data space, security)



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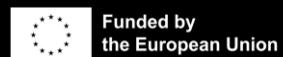
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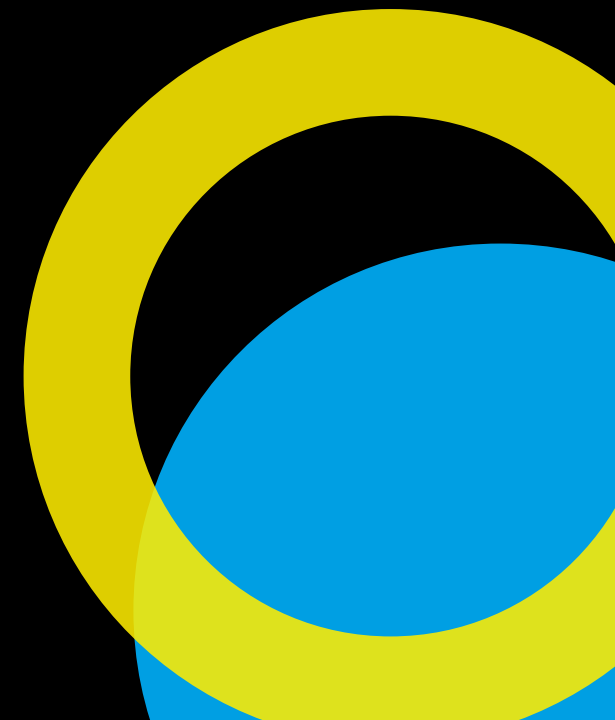
Solutions & services

Data space operations in practice: lessons learned & scaling ahead

Niklas Midolo | Cofinity-X



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Lessons Learned

Cofinity-X

INTERNATIONAL DATA
SPACES ASSOCIATION

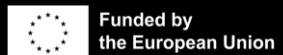
Of being a Data Space Operator

When we went live with Catena-X in Oct. 2023, most conversations were about **architecture, standards and connectors.**

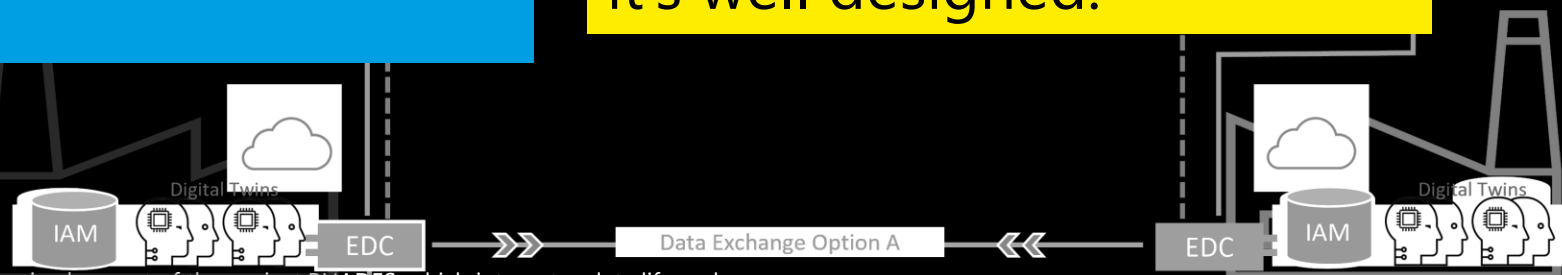
And while all of that is important, **it didn't really convince people.**

We explained **data sovereignty, governance and interoperability** up and down...

Because no one invests in technology just because it's well designed.



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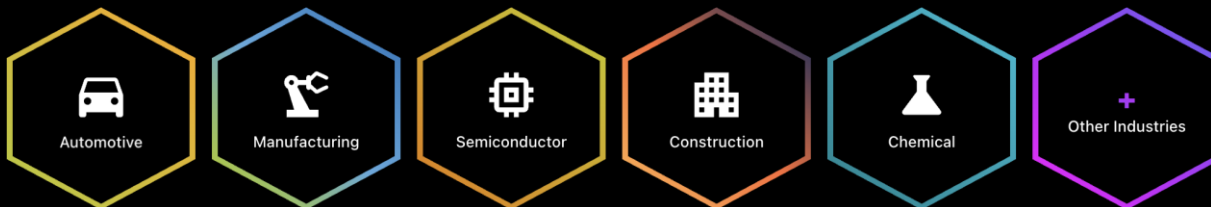


Lessons Learned

So what actually drives adoption?

The answer is actually fairly simple:
Concrete, value-generating use cases.

And Tractus-X is full of them, not only for Automotive, but for all Industries!



Cross-Industry Use Cases

Industry Core Foundation

Dataspace Foundation

Cofinity-X

INTERNATIONAL DATA
SPACES ASSOCIATION



The moment companies see that they can exchange company certificates via one portal, not 20, or can comply with PCF regulation way faster, **the conversation changes completely.**

Then data spaces stop being a concept and **become an tangible business tool.**

Scaling Ahead

Cofinity-X

INTERNATIONAL DATA
SPACES ASSOCIATION

*Data spaces don't scale through technology.
They scale through value.*



Coming Soon*: Data Space Accelerator

Participating companies receive **financial compensation for their onboarding effort and support to implement value creating use cases** in the Catena-X data space.

***Currently, the program is still subject to formal approval by the Ministry.**

But you can already submit your Interest, and we will inform you when the program starts.



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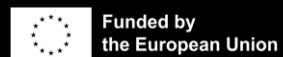
...funding from the European Union's Horizon Europe re
under grant agreement No. 101135988.



International perspectives on trusted data sharing

Brazil: The Federated Industrial Data Space Demonstrator – from industrial data to cross-border trust and competitiveness

Flavio Maeda | ABINC



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