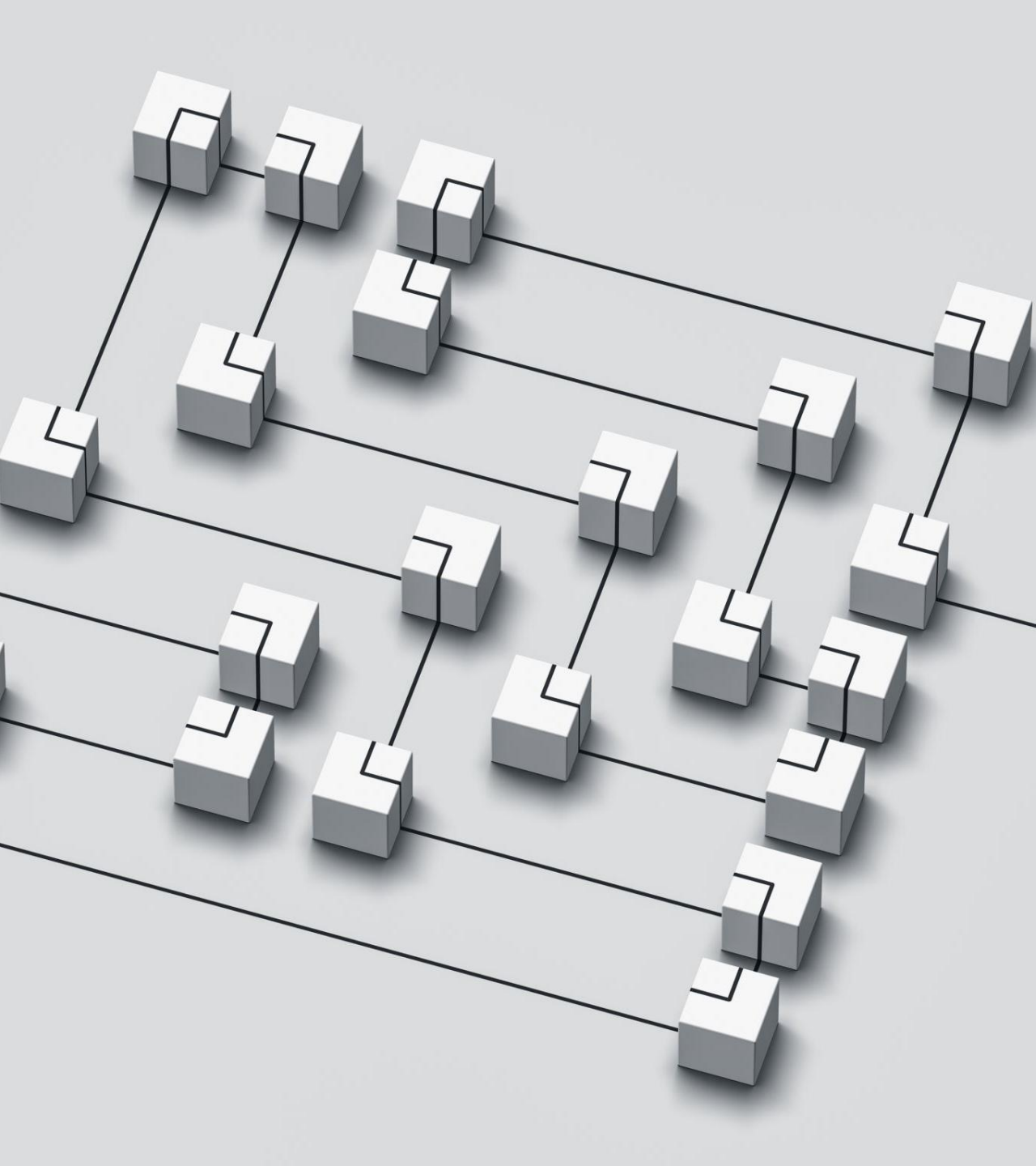


European Cloud Accelerator Workshop

Hosted by Aruba.it
Bergamo, Italy
October 2025

aruba.it

Thank you for hosting!

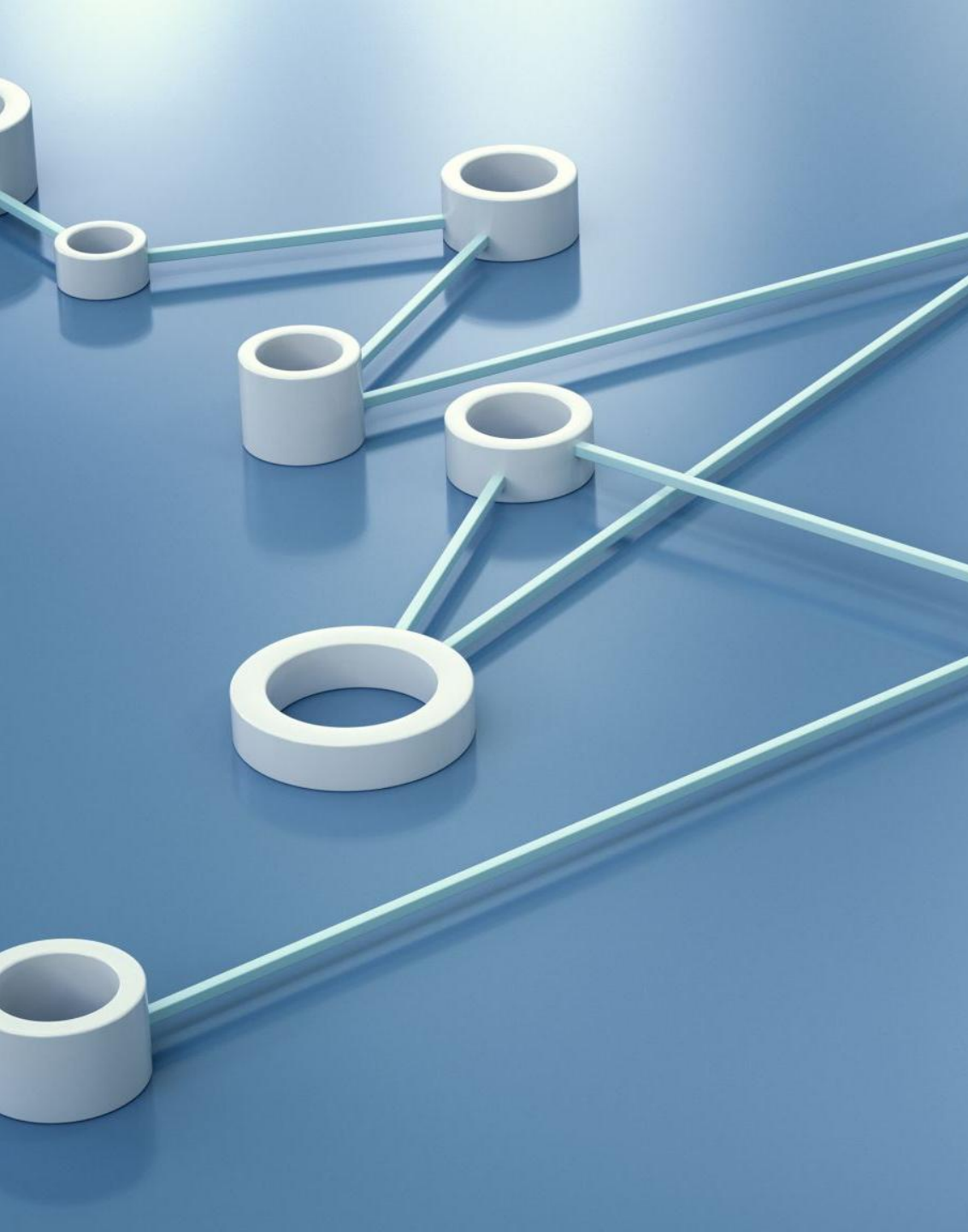


The ECA is an open technology development project

Develop comprehensive
Data Sharing as a Service

Enable a cost-effective,
lightweight solution that can
reach enterprise scale

Establish and nurture a cross-
discipline community



- The ECA establishes new business opportunities for European Cloud Providers
- The primary scenario solves for regulatory mandates in complex supply chains

The ECA recognizes six stakeholder groups that depend on the same foundational technology – Data Spaces as a Service

- Top-tier manufacturers
- Dataspace associations
- Cloud services providers
- Trust framework providers
- Governments
- Individual suppliers




The ECA is a
European
solution with
global reach





Open-source software under
Eclipse Foundation governance

No requirement for hyperscaler
technology (vendor neutral)

Address a global supply chain
challenge



The ECA builds on valuable inputs



Lessons learned from Gaia-X:
data sharing

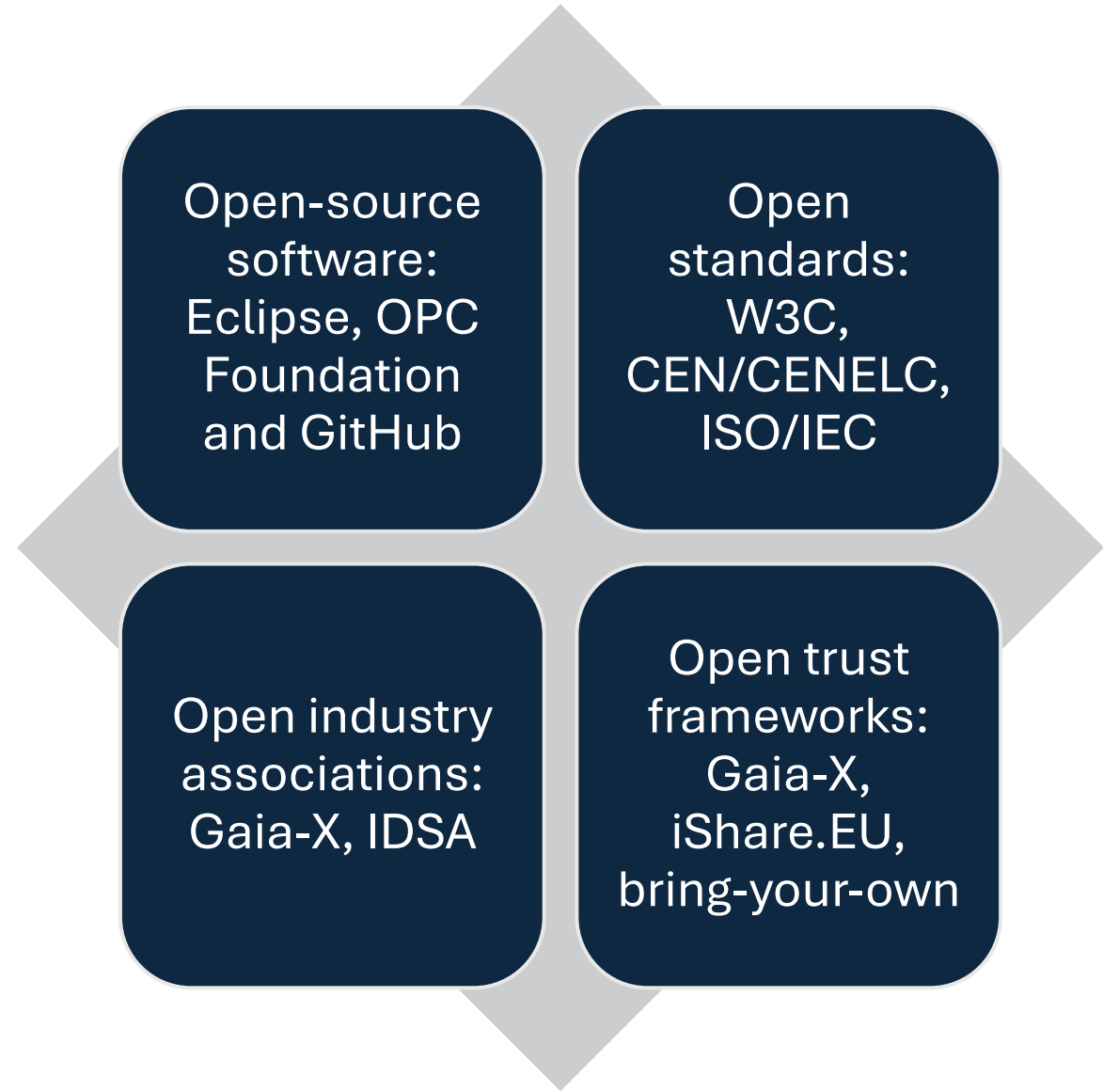


Observed perspective from the
original EU Commission vision
of dataspaces



Regulatory mandates drive
real data sharing need

An Open Ecosystem Approach





BOSCH



Continental



Catena-X
Automotive Network

Cofinity-X™

~1,000,000

Manufacturers

80% <250 employees

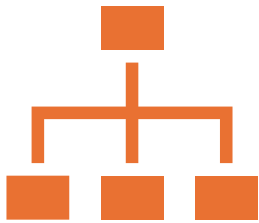
Dataspace as a Service

aruba.it

opiquad

Automotive Example

Why European Cloud Providers?



Decentralized, distributed
sales and operations
capacity to achieve
necessary scale



Addressable market is not
targeted or serviced by
hyperscalers

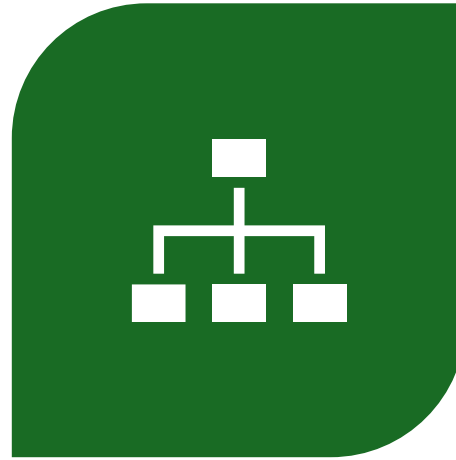


Technology stack and
knowledge stays in Europe

What is Microsoft's Role?



MICROSOFT IS FOLLOWING
THROUGH ON COMPETITION
SETTLEMENT COMMITMENTS



MICROSOFT'S BUSINESS
OPPORTUNITY IS WITH THE
TOP-TIER OF THE SUPPLY
CHAIN



MICROSOFT IS INVESTING IN
ADOPTION AND GROWTH
CLOUD TECHNOLOGIES

Microsoft announces new European digital commitments

Apr 30, 2025 | [Brad Smith - Vice Chair & President](#)



Pillar 1:

We will help build a broad AI and cloud ecosystem across Europe.

Pillar 5:

We will help strengthen Europe's economic competitiveness, including for open-source.

This is a workshop:

Fewer speeches, more discussion

Raise your voice:

Collective benefit must satisfy self-interest for each actor

This is milestone 1:

Development objectives and community foundations on track



Project History and Status

Oct 2025

EU Cloud Accelerator

History of Dataspaces: IDSA, Gaia-X and Eclipse

2016 – 2020

The International Data Space Association (IDSA) was founded in 2016 by the Fraunhofer-Gesellschaft, along with 16 business enterprises and the ZVEI (German Electrical and Electronic Manufacturers' Association).

The concept of “data spaces” was conceived.

We have since used the term without the space in the middle: “dataspaces”.

2020-2021

Gaia-X started to promote data sharing and cloud federation

Catena-X automotive consortium formed; supports implementation of dataspaces in Eclipse

Eclipse Dataspace Components (EDC) project launched based on IDSA specifications to meet requirements from Gaia-X and Catena-X

2021-2024

Coding continues at Eclipse toward single-tenant EDC

Eclipse Dataspace Working Group develops dataspace protocol (DSP) and Decentralized Claims Protocol (DCP)

ISO/IEC 20151 (dataspaces) is developed in cloud computing sub-committee of ISO/IEC based on IDSA specifications

EU Data Act is ratified, calling for interoperability of “common European data spaces”

2025

At the request of EU Commission, Dataspaces becomes a topic of European standardization at CEN/CENELEC

To mature, Catena-X and other dataspace initiatives require scale and low cost

Data Act, Digital Product Passport and related regulations going into effect

Dataspace community joins forces with EU cloud providers to start European Cloud Accelerator initiative

Dataspaces implementation:

Project Status and Progress

Single-tenant EDC is available from Eclipse area of GitHub, already in use by Catena-X and other users

Multi-tenant EDC has been under development since June 2025

It currently lives in Metaform's area of GitHub

Process already started to move the code to Eclipse part of GitHub

Single-tenant EDC will continue to be available

SDK for custom data planes addressing data types for industry verticals under development

Industrial Data Plane to address OPC UA data types used by Catena-X under development, using the SDK

EU Cloud providers working on integrating and hosting multi-tenant EDC, offering Dataspace-as-a-Service

December of 2025: End-to-end scenarios enablement

Workshop logistical details

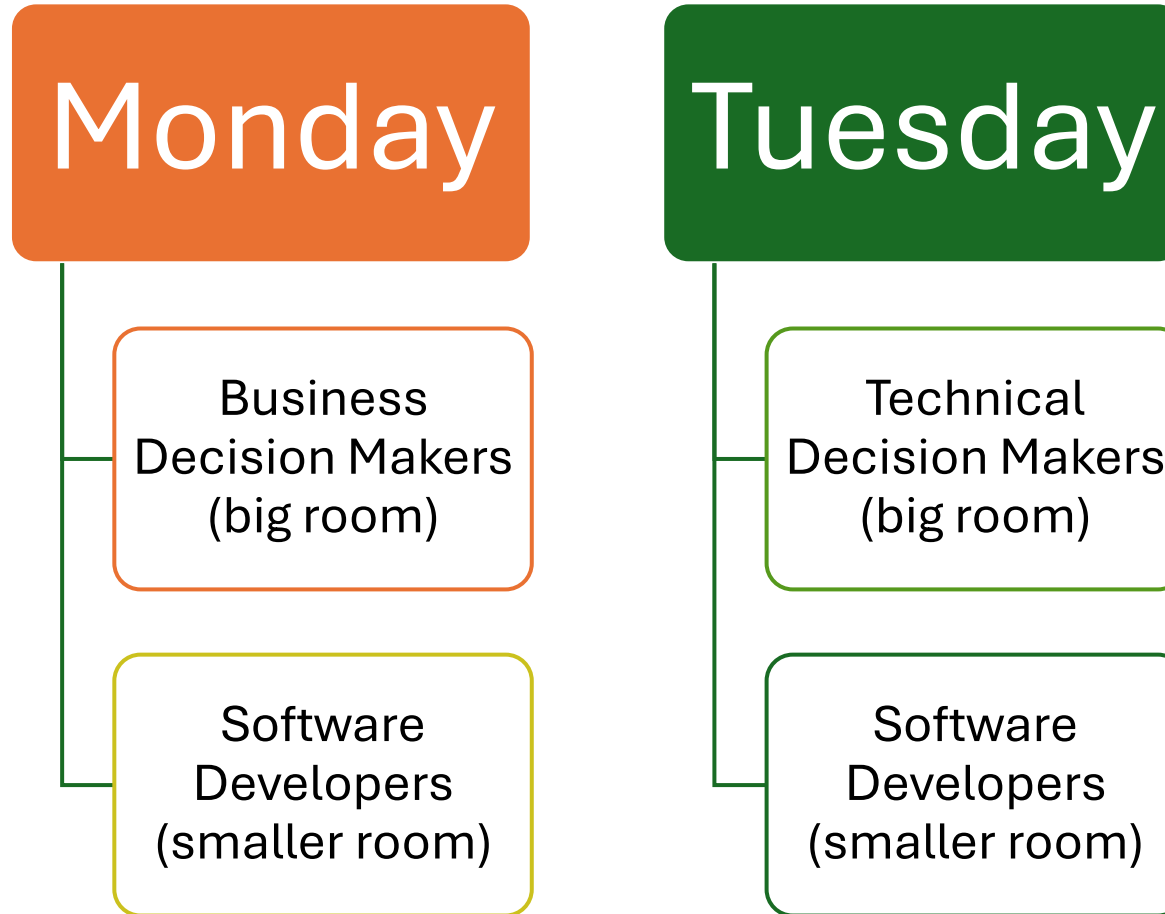


Housekeeping items for the workshop

- **Optional data center tour on Tuesday before lunch**
 - Need to sign up to get a QR code (see agenda email from Dennis)
- **Coffee breaks and buffet lunch both days**
 - Thank you, Aruba!
- **Monday night dinner:**
 - Shuttle will take us back from dinner to the area hotels
 - Hence need headcount and hotel names for dinner/shuttle
 - Easy walk to the restaurant
 - Need to clear Aruba facility by 5:00 PM
 - Courtesy of Microsoft



Parallel tracks this week:



Check your email
for detailed agenda