

The background of the entire slide is a deep-space photograph showing a complex nebula with swirling clouds of gas in shades of orange, red, and blue, set against a black field filled with numerous small, distant stars.

INTERNATIONAL DATA
SPACES ASSOCIATION

*Open Consultation on Metrology for
Digital Transformation*

Nov. 9, 2021

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Head of Adoption International Data Spaces Association

LET'S BUILD DATA SPACES!

375 people
contributing

22 countries



130+

INTERNATIONAL DATA
SPACES ASSOCIATION

*Sharing data
is better than
playing alone*

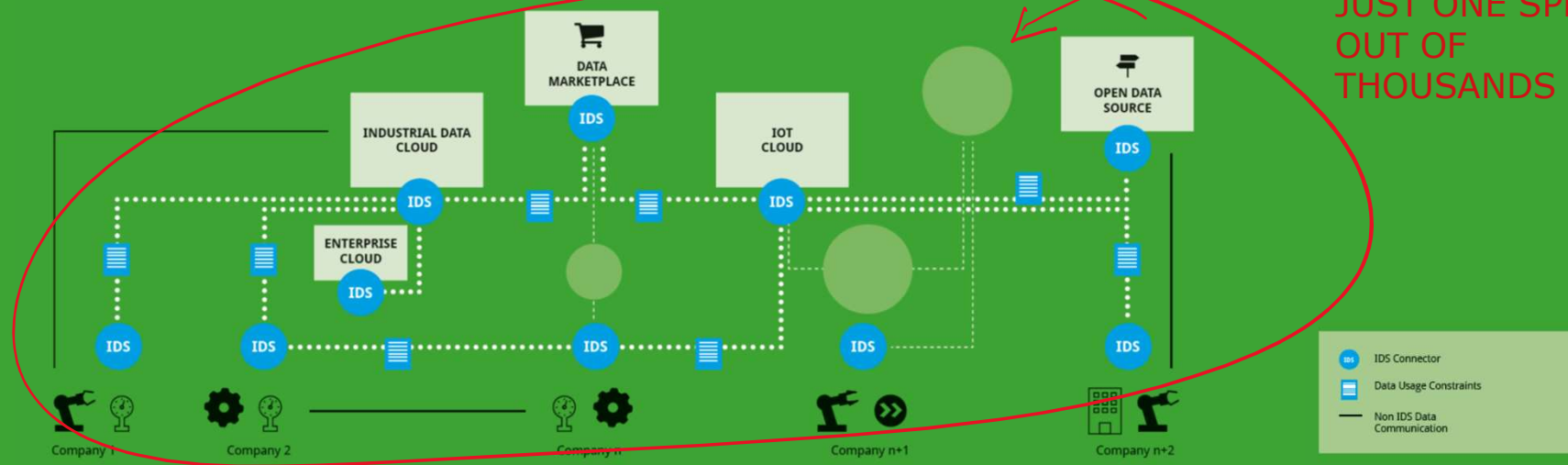


DATA SPACES

A CONCEPT FOR CONNECTING ALL KINDS OF DATA ENDPOINTS

When broadening the perspective from an individual use case scenario to a platform landscape view, the INTERNATIONAL DATA SPACES positions itself as an architecture to link different cloud platforms through secure exchange and trusted sharing of data, short: **through data sovereignty.**

THIS IS A
DATA SPACE –
JUST ONE SPECIES
OUT OF
THOUSANDS



By proposing a specific software component, the INTERNATIONAL DATA SPACES Connector, industrial data clouds can be connected, as well as individual enterprise clouds and on premise applications and individual connected devices.

A EUROPEAN STRATEGY FOR DATA

European Data Space

9 *Data spaces in key sectors*

Manufacturing	Green	Mobility
Health	Finance	Energy
Agriculture	Public Administration	Skills

- Availability of large pools of data
- Infrastructure to use and exchange data
- Appropriate governance mechanisms

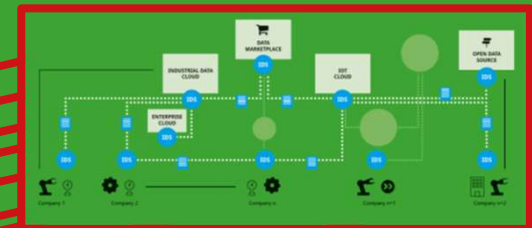
A EUROPEAN STRATEGY FOR DATA

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European Data Space

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- **No silos!**
- **Enlarge the data pool!**
- **Cross-sectoral benefits!**

International Data Spaces Association

Core pillars – from standard to business impact



Open Standard

Reference Architecture 3.0

- Technology agnostic
- Trust, security, interoperability, governance
- Separation of duties, specification of archetypal roles



3rd party conformity

Certification scheme

- Trustworthy components and runtime environment (criteria lists)
- Attestation of interoperability to essential services (automated testing)
- IDSA organizes 3rd party trust via Support organization



Open Processes

Rule Book 1.1

- Technical, functional, operational, maintenance and legal agreements
- Conventions for IDSA trust scheme
- Soft infrastructure for data spaces

IDS_G

Open Source

IDS-G: Github repo

- Maintain „Minible Viable Data Space“ via technical steering committee
- Portfolio of compliant projects
- 27 repositories
- Connector, information model, usage control schemes, metadata broker, DAPS, ...



Business Impact

Adoption strategy

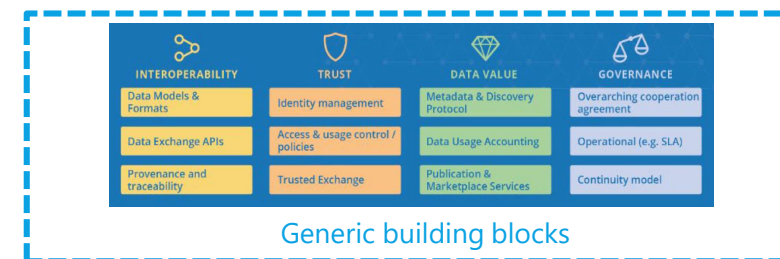
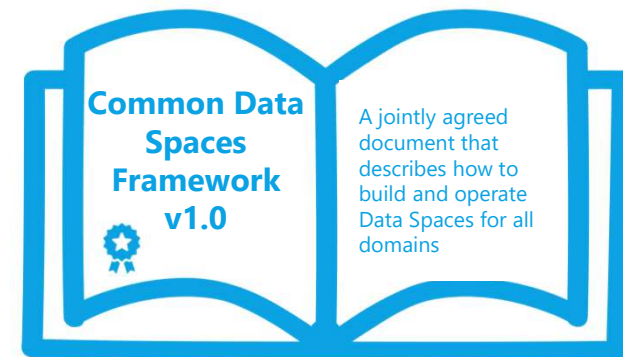
- Use case radar
- Increasing maturity of data spaces endeavors
- Network of implementation partners
- Supporting the alliance of the willing, able and acting
- Knowledge base
- International hubs

What we need: A common Framework for Data Spaces

Driving coherence



Design Principles for Data Spaces v1.0

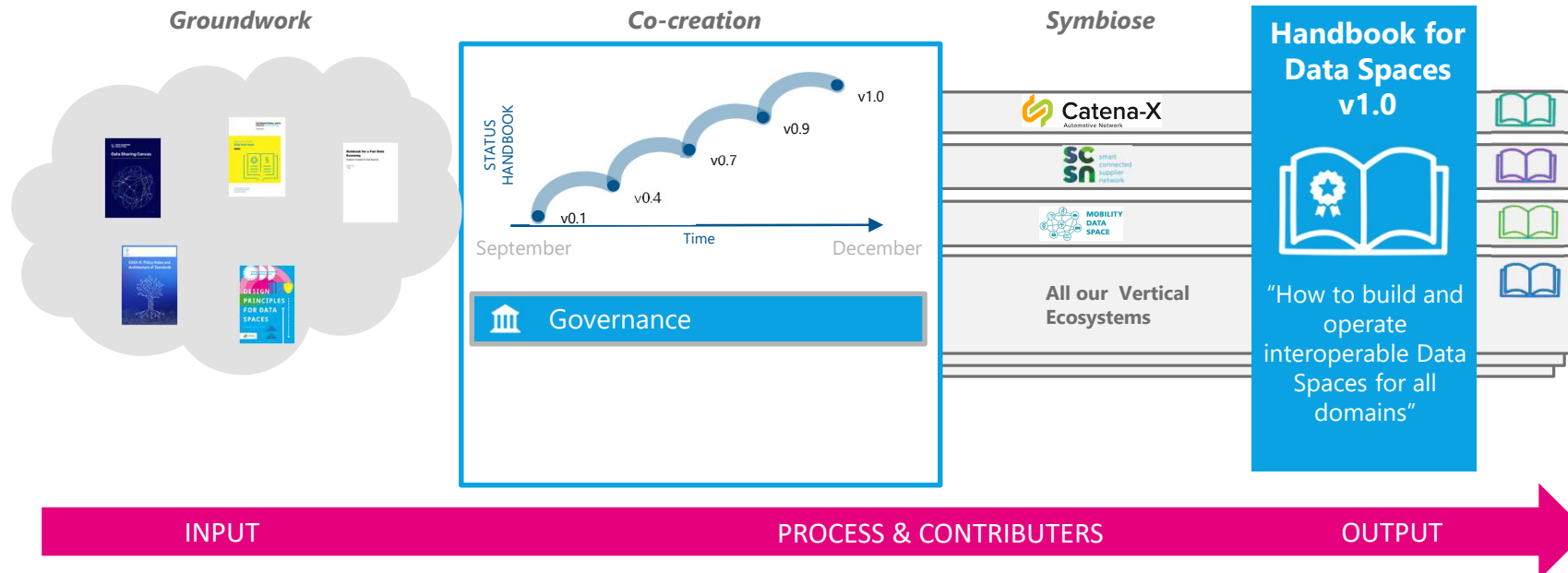


Elements of a soft infrastructure for European Data Spaces

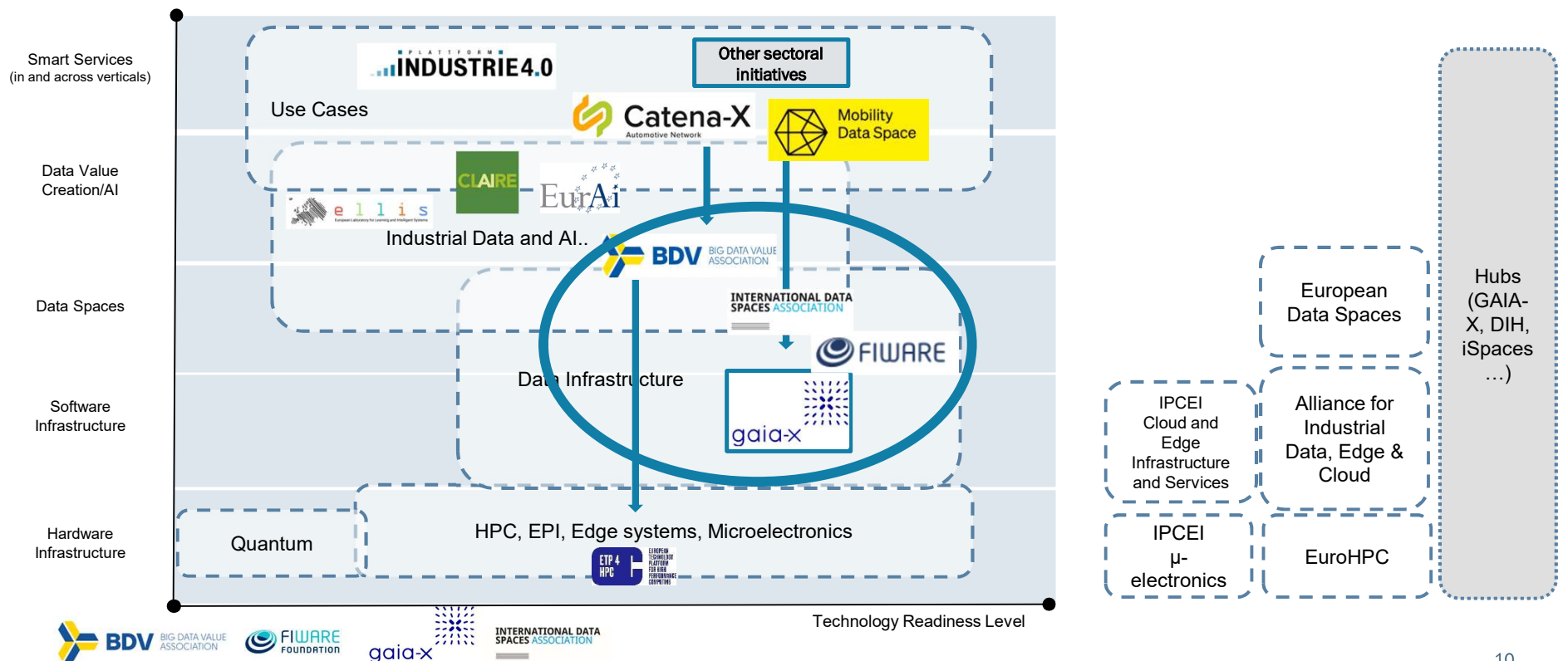
5. PROJECT OVERVIEW

INTERNATIONAL DATA
SPACES ASSOCIATION

TOGETHER WE CREATE CONSENSUS ON THE HANDBOOK FOR BUILDING AND OPERATING DATA SPACES IN ALL DOMAINS



STRATEGIC DIGITAL/DATA RELATED INITIATIVES FOR EUROPE (SHOWING TECHNOLOGY COVERAGE) COMMENT: EXAMPLES



The Data Spaces Business Alliance

INTERNATIONAL DATA
SPACES ASSOCIATION



Unleashing the Data Economy

Joining Forces

One voice and a common framework to make data spaces happen.

Sharing the Expertise

Bringing together data providers, users and intermediaries, data spaces are key to driving businesses to competitively extract value out of data.

Pooling our Members

Together, the Alliance's founding organizations represent 1,000+ leading key industry players, associations, research organizations, innovators, and policy-makers worldwide.

Engineering Data Spaces

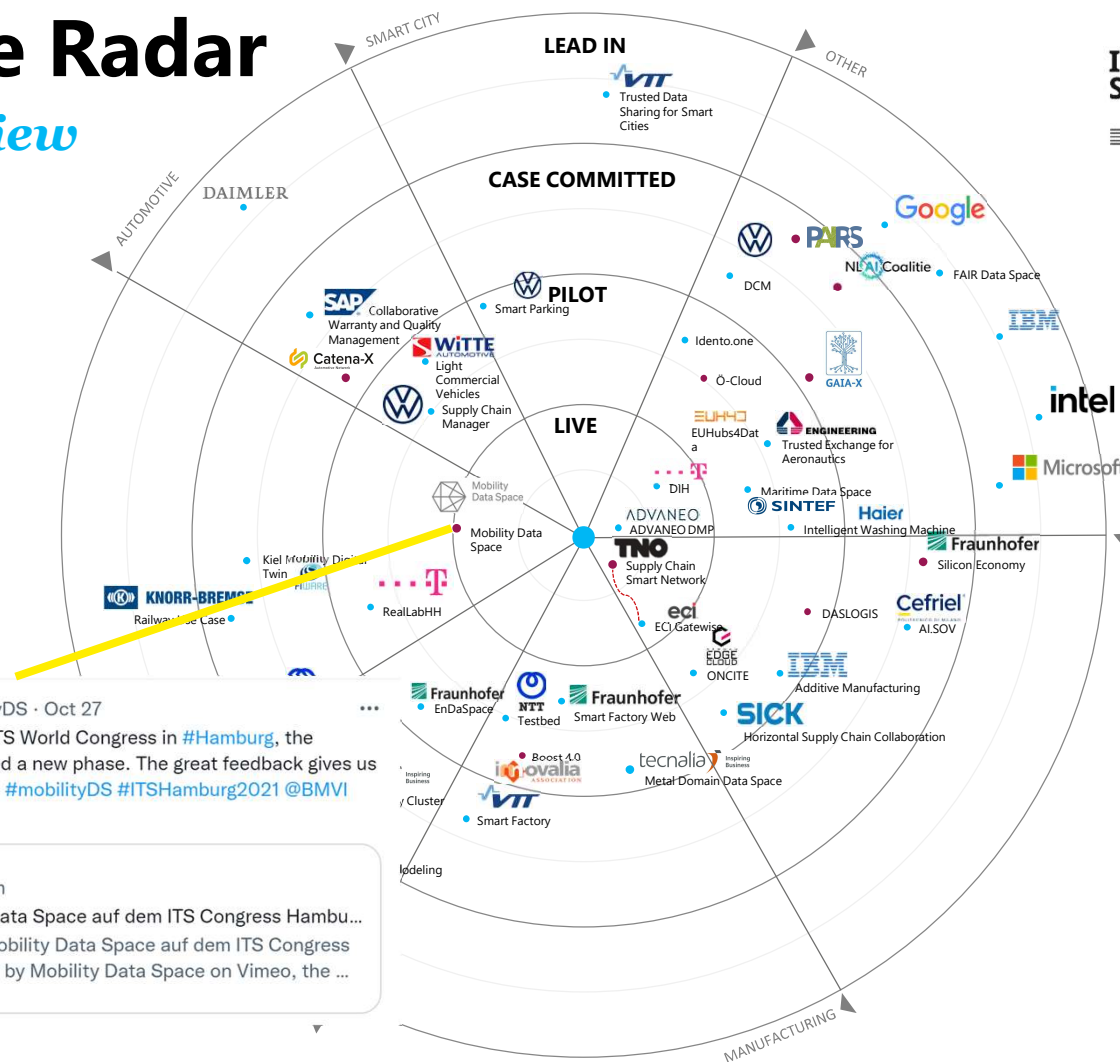
With its combined cross-industry expertise, resources and know-how, the Alliance drives awareness, evangelizes technology, shapes standards and enables integration across industries.



Data Space Radar

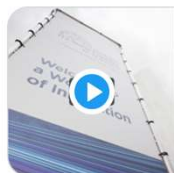
Current Overview

INTERNATIONAL DATA SPACES ASSOCIATION



Mobility Data Space @mobilityDS · Oct 27

With the official launch at the ITS World Congress in #Hamburg, the #MobilityDataSpace has entered a new phase. The great feedback gives us a boost for the upcoming tasks. #mobilityDS #ITSHamburg2021 @BMVI @acatech_de



vimeo.com

Mobility Data Space auf dem ITS Congress Hambu...
This is "Mobility Data Space auf dem ITS Congress Hamburg" by Mobility Data Space on Vimeo, the ...

WOULD YOU LIKE TO BECOME PART OF THE DATA SPACE RADAR?



JOIN THE DATA SPACE RADAR

Fill out the form describing your data space use case.

* Required

1. **Challenge** – What business opportunity or challenges do the involved organizations attempt to address with sovereign data sharing?

Enter your answer

2. **Solution/success** – How does your data space use case address this challenge or opportunity? How do the IDS Solutions contribute to this?

Enter your answer

3. **Benefits** – What is the new business value of your data space?



<https://bit.ly/3jzlkvg>

**FILL the form &
JOIN the Radar!**

LET'S BUILD DATA SPACES.

*But please: make life easy by
using common design principles.*

IDS is a very good starting point – let's discuss and learn.

INTERNATIONAL DATA SPACES ASSOCIATION



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JOIN US!



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#internationaldataspaces
@Christoph_IDS



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www.internationaldataspaces.org