



10th Florence Intermodal Forum: Creating A Common European Mobility Data Space

Giulia Giussani | IDSA | Session D

November 25th 2022

The European strategy for data

... is based on data spaces!

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SPACES ASSOCIATION



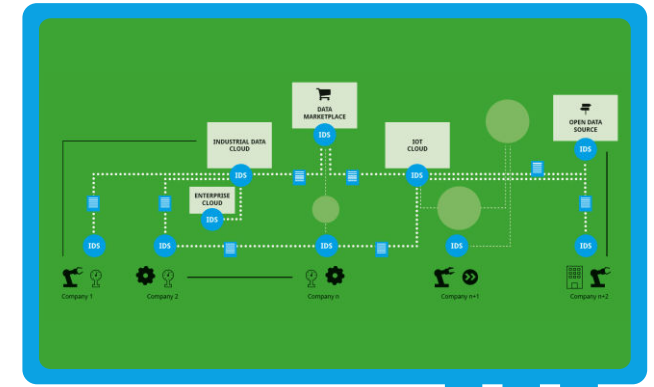
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Data spaces in key sectors

Manufacturing	Green	Mobility
Health	Finance	Energy
Agriculture	Public Administration	Skills

European Data Spaces

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



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



Plug in – or not

*Bringing interoperability and trust
to data ecosystems:*

*Participants in a data space need
to take an informed decision about
the trustworthiness of partners
and components used*



International Data Spaces Association

A not for profit association for data sovereignty

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130+

6

Years of
data space
engineering

425

People
contributing

22

Countries
represented



Data Spaces: from concept to reality

IDSA on its way to a global standard

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Bringing IDS concepts to the big markets and to true global standardization



Aligning architectures and thought leadership on data spaces



First impressive impact stories



Core pillars of International Data Spaces Association

Open Standard

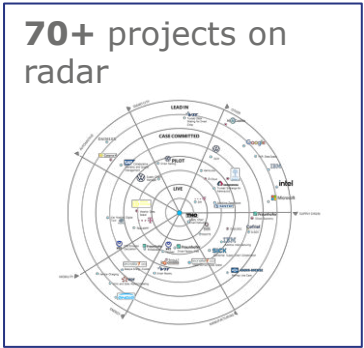
3rd party conformity

Open Processes

IDS_G Open Source

Adoption Accelerator De-facto standard

Increasing readiness level and
extensive use of IDS concepts



The Data Spaces Business Alliance (DSBA)

Data Spaces are a joint endeavour

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Data Spaces Business Alliance

Unleashing the Data Economy



Technology and Architecture

The Alliance defines a **common reference model**, based on existing architectures and models. It drives **interoperability** by harmonizing technology components and other elements.

Support

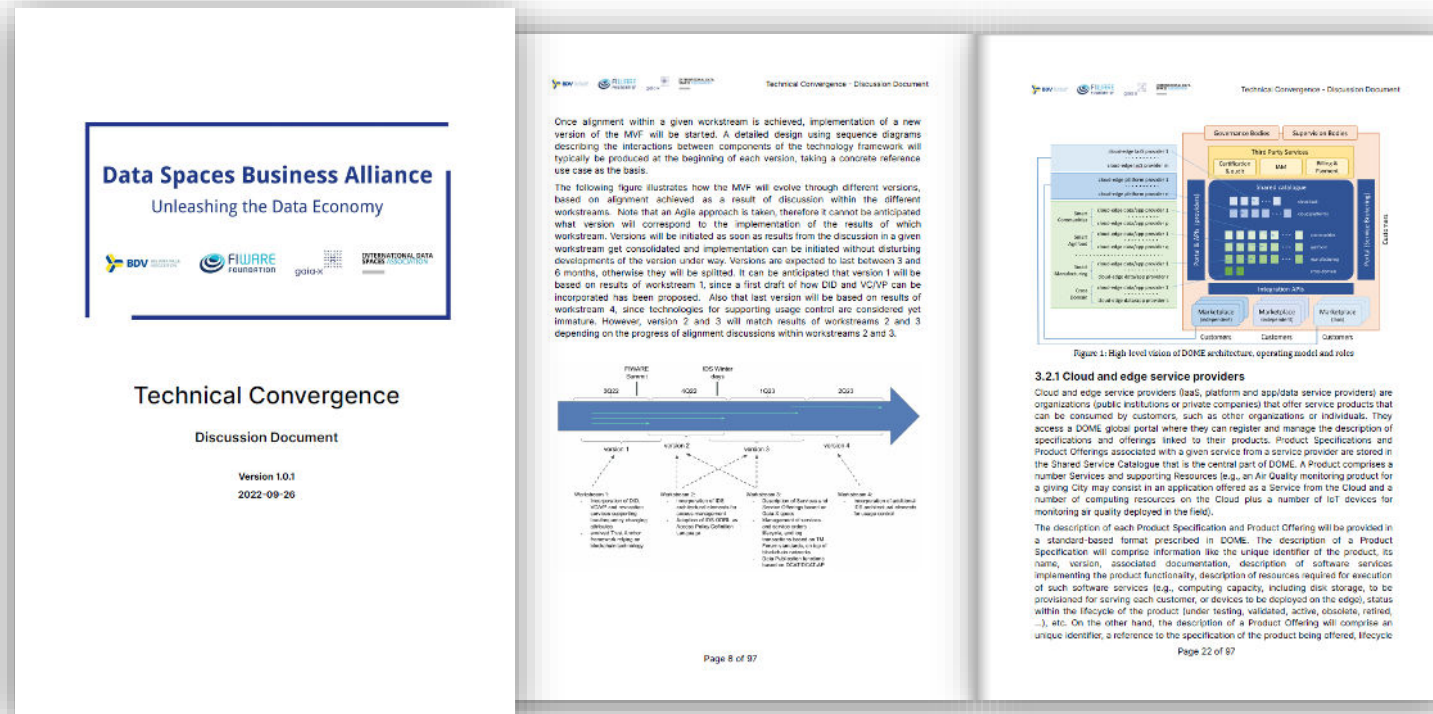
The Alliance assists organizations and data spaces by **pooling their tools, resources and expertise**. The support includes handbooks, roadmaps, access to Digital Innovation Hubs (DIHs) and includes a **go-to-market toolkit**.

Identification and Characterization

The Alliance establishes a **“Data Spaces Radar”** to scout potential data spaces. It provides an overview on data spaces on a European level. The Alliance also promotes frontrunners and identifies best practices used by them, for the benefit of all.

DSBA technical convergence

Discussion paper



- The discussion document defines a common reference technology framework
- This framework is based on the technical convergence of existing architectures and models and leverages mutual infrastructure and implementation efforts.
- The goal is to achieve **interoperability and portability of solutions across data spaces** by harmonizing technological components

[Click here to take a look inside!](#)

Data Spaces Support Centre (DSSC)

Facilitating interoperable data sharing

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- Goal: provide a **blueprint for data spaces** in Europe that comprises common building blocks for business, legal, operational, technical, and societal aspects.
- coordinate all relevant actions on sectoral data spaces in Europe
- support the establishment of common data spaces in Europe by making technologies and standards widely available across sectors



**DATA SPACES
SUPPORT CENTRE**

Fundamental design principles

...for data spaces to be built on

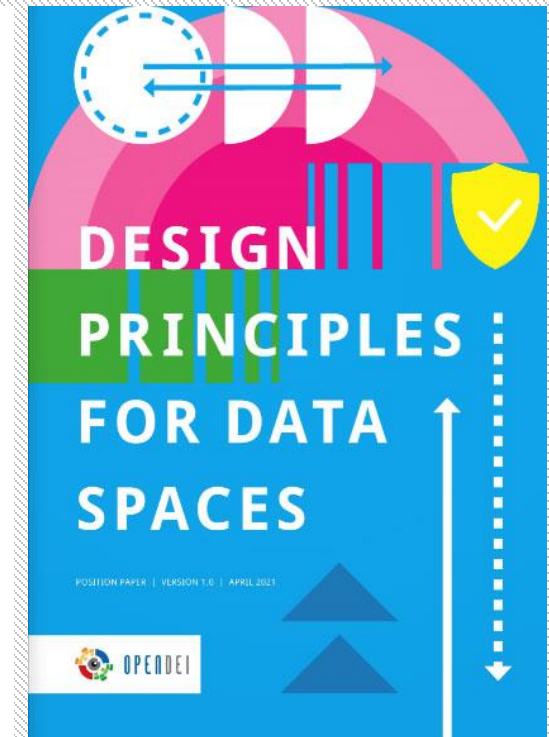


- 1 Data Sovereignty
- 2 A level playing field for data sharing and exchange
- 3 A distributed soft infrastructure
- 4 Public-private governance

This co-created in the EU funded CSA OpenDEI and written down in the Paper “Design Principles for Data Spaces”

OpenDEI Background

- Digitizing European Industry Program
- 40 organizations involved
- 27 big EU projects, hundreds of companies
- Fundamentals of data spaces, building blocks, future governance, transition

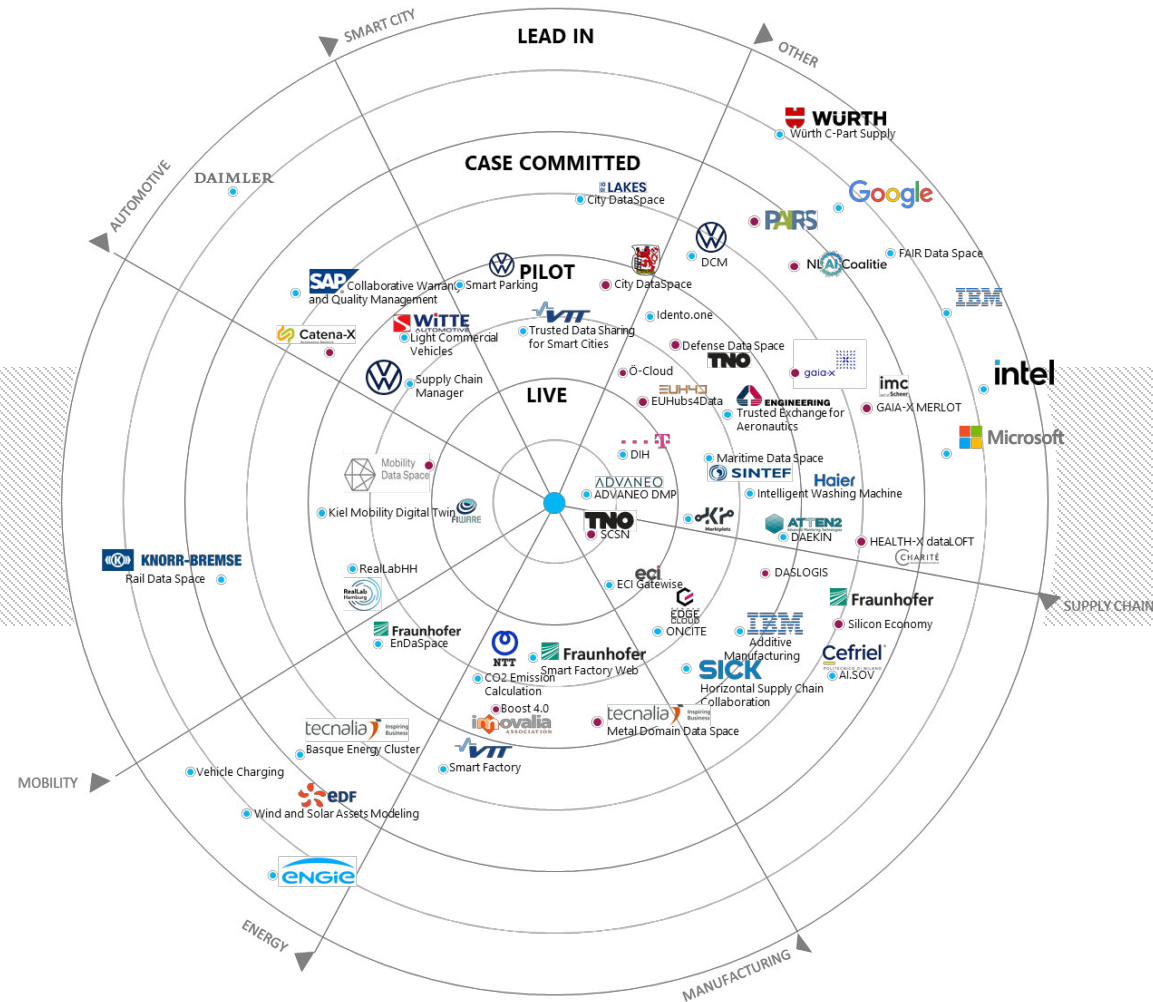


www.design-principles-for-data-spaces.org

Data Spaces everywhere

Lots of IDS initiatives have started

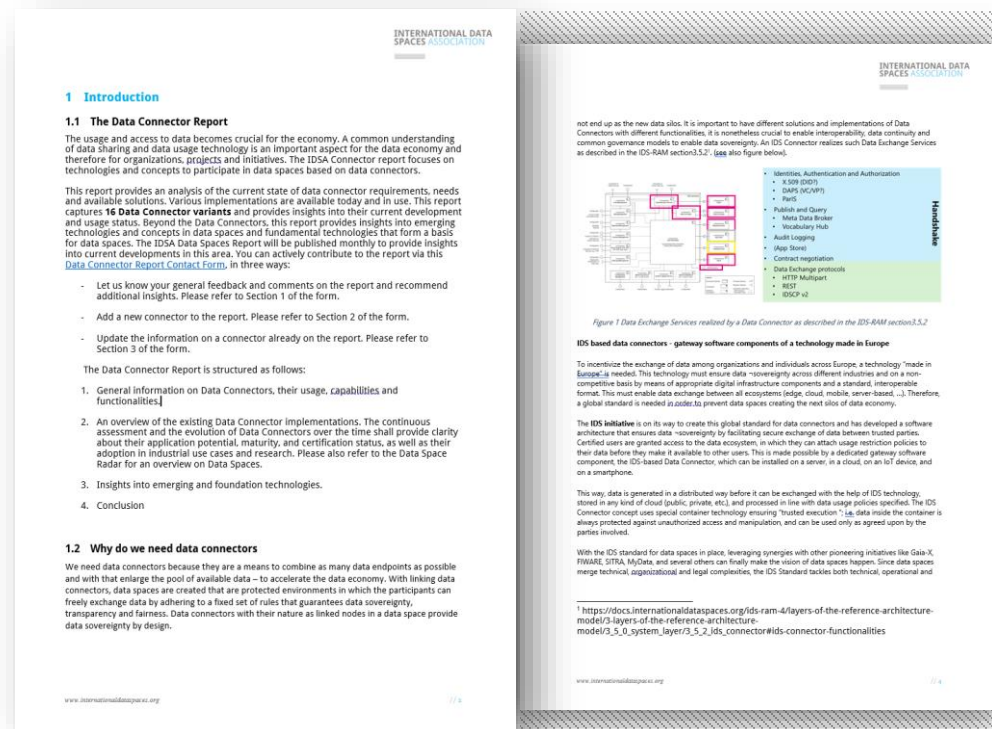
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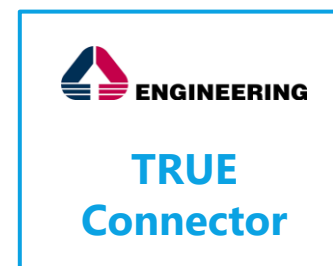
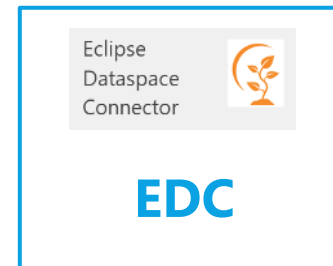
Data Space Radar
+70 entries

The Data Connector Report

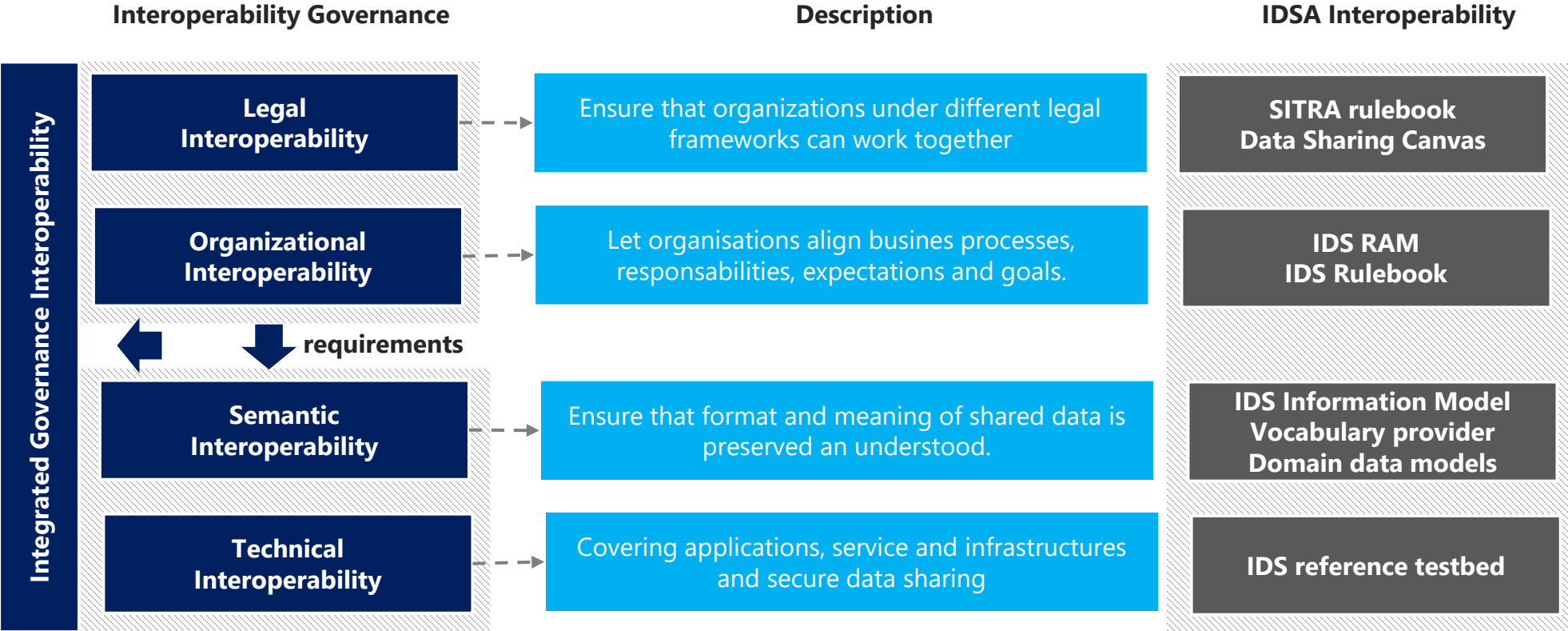
Overview



[Click here to take a look inside!](#)



Interoperability



Source: European Interoperability Framework & IDSA



It's time to plug in – or not

*Bringing interoperability and trust
to data ecosystems*

*Participants in a data space need
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and components used*



Upcoming events

Let's meet and build data spaces!

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Q&A Session

Your essential guide
to data spaces

online | December 1



DSSC Insights Series

Data Spaces Support
Centre: Discover how to
bring data spaces to life

online | December 1



SEMIC

Data spaces
in an
interoperable Europe

Brussels | December 6



SITRA

Data spaces technology
landscape 2023

Helsinki & online | Dec. 14



IDSA Update Session

Review and strategic
outlook

online | December 16

Data Spaces Discovery Days

Netherlands | March 21 to 23, 20

We will bring together several data sharing events and initiatives:

Under the flags of **IDSA**, **BDVA**, **FIWARE**, **Gaia-X** and **TNO**, and in combination with the **DSSC Annual Conference**, we are organizing the largest event on data spaces.

1,000+ participants expected





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