



DATA SPACES
SUPPORT CENTRE

DSSC Insight Series

Road to the Data Spaces Symposium

21 February 2025 | 13:00 to 14:00 CET | online



Ana Garcia
BDVA



Chandra Challagonda
FIWARE



Gianfranco Cecconi
DSSC



Lars Nagel
IDSA



Ulrich Ahle
Gaia-X

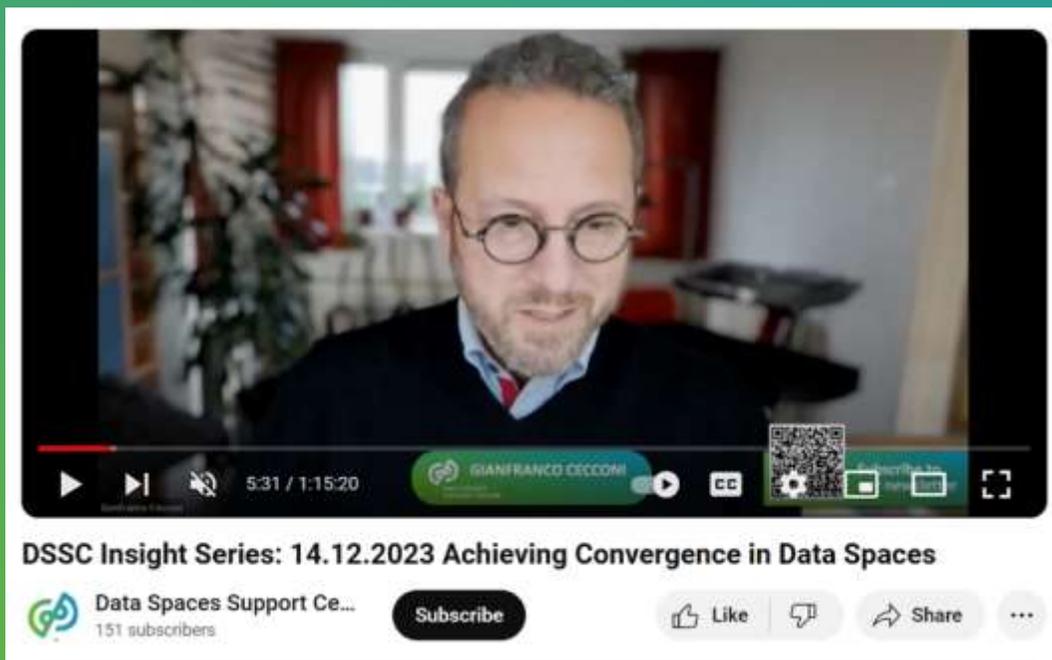
Intro – DSSC Perspective

- Gianfranco Cecconi, Executive Director, Data Spaces Support Centre

The Data Spaces Symposium – DSBA Perspective

- Ana Garcia, Secretary General, Big Data Value Association
- Chandra Challagonda, Chief Executive Officer, FIWARE Foundation
- Lars Nagel, Chief Executive Officer, International Data Spaces Association
- Ulrich Ahle, Chief Executive Officer, Gaia-X Association for Data and Cloud AISBL

Q&A (You can also ask questions in the chat!)



This webinar is recorded. Did you know? Previous DSSC insight series recordings are available on our Youtube channel. Videos from our annual event are also available!

Check out our YouTube channel here



Stay up to date with Data Spaces Support Centre and the European Union's programme for common European data spaces.

Subscribe to the DSSC Newsletter!
tinyurl.com/dssc-newsletter



Data Spaces Symposium

Share data. Unlock value. Boost impact.

Warsaw | Hilton Hotel

11 & 12 March

The event in numbers:

- 800+ data sharing experts welcome in Warsaw
- Speeches, workshops, on all the major ecosystems related to data sharing (e.g. health, green deal, smart cities, AI, manufacturing...)
- Rich expo area – some slots are still available!

www.data-spaces-symposium.eu



Data Spaces Symposium

11 & 12 March 2025

Meet our Partners

NTT DATA

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

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Become a partner!

For you: program integration in the event, free event tickets, free gala tickets, booth at the exhibition, and free workshop room and much more!

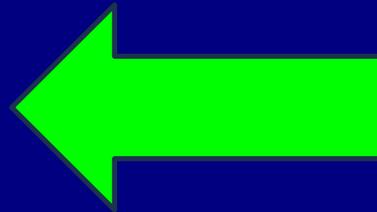


Data Spaces Symposium

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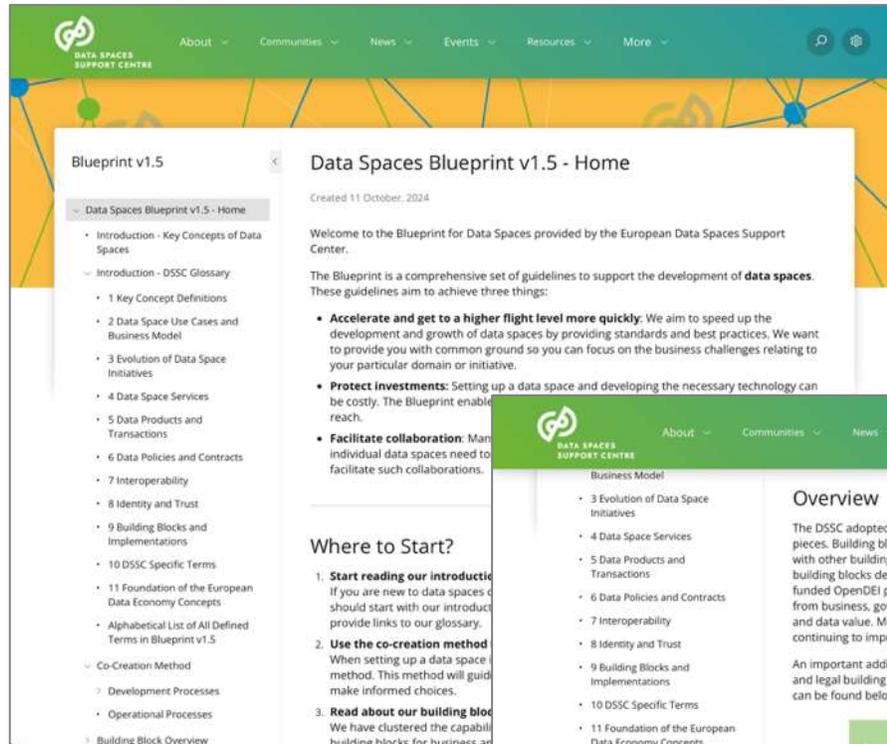
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Blueprint v1.5

Data Spaces Blueprint v1.5 - Home

Created 11 October, 2024

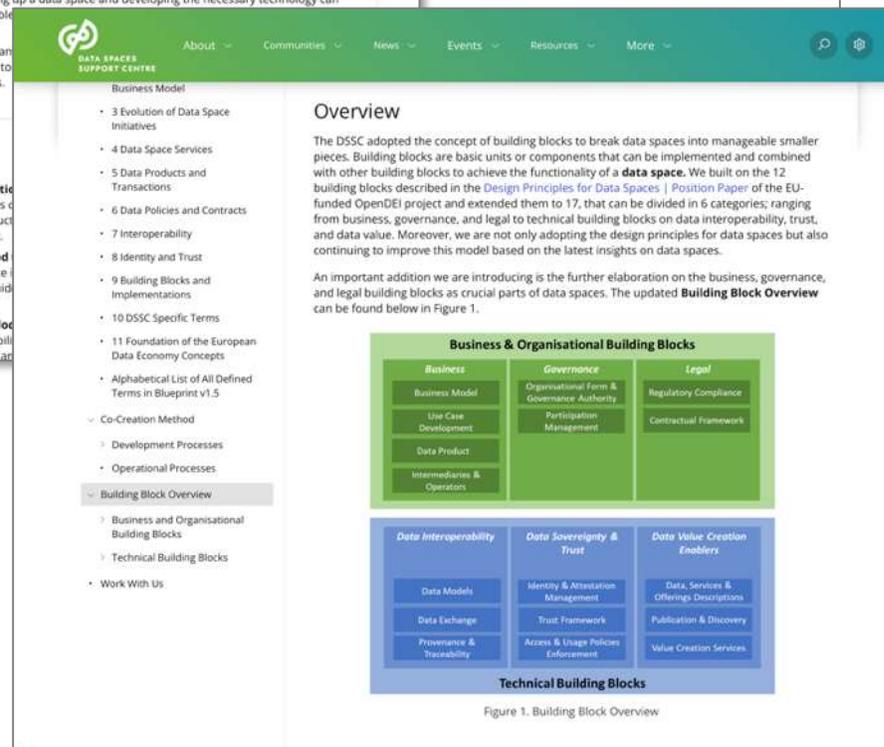
Welcome to the Blueprint for Data Spaces provided by the European Data Spaces Support Centre.

The Blueprint is a comprehensive set of guidelines to support the development of **data spaces**. These guidelines aim to achieve three things:

- Accelerate and get to a higher flight level more quickly.** We aim to speed up the development and growth of data spaces by providing standards and best practices. We want to provide you with common ground so you can focus on the business challenges relating to your particular domain or initiative.
- Protect investments:** Setting up a data space and developing the necessary technology can be costly. The Blueprint enables you to reach.
- Facilitate collaboration.** Many individual data spaces need to be developed to facilitate such collaborations.

Where to Start?

- Start reading our introductory information.** If you are new to data spaces or have not yet started, you should start with our introductory information to provide links to our glossary.
- Use the co-creation method.** When setting up a data space, you should use the co-creation method. This method will guide you through the process and make informed choices.
- Read about our building blocks.** We have clustered the capabilities into building blocks for business and technical building blocks.



Overview

The DSSC adopted the concept of building blocks to break data spaces into manageable smaller pieces. Building blocks are basic units or components that can be implemented and combined with other building blocks to achieve the functionality of a **data space**. We built on the 12 building blocks described in the *Design Principles for Data Spaces* | Position Paper of the EU-funded OpenDEI project and extended them to 17, that can be divided in 6 categories; ranging from business, governance, and legal to technical building blocks on data interoperability, trust, and data value. Moreover, we are not only adopting the design principles for data spaces but also continuing to improve this model based on the latest insights on data spaces.

An important addition we are introducing is the further elaboration on the business, governance, and legal building blocks as crucial parts of data spaces. The updated **Building Block Overview** can be found below in Figure 1.

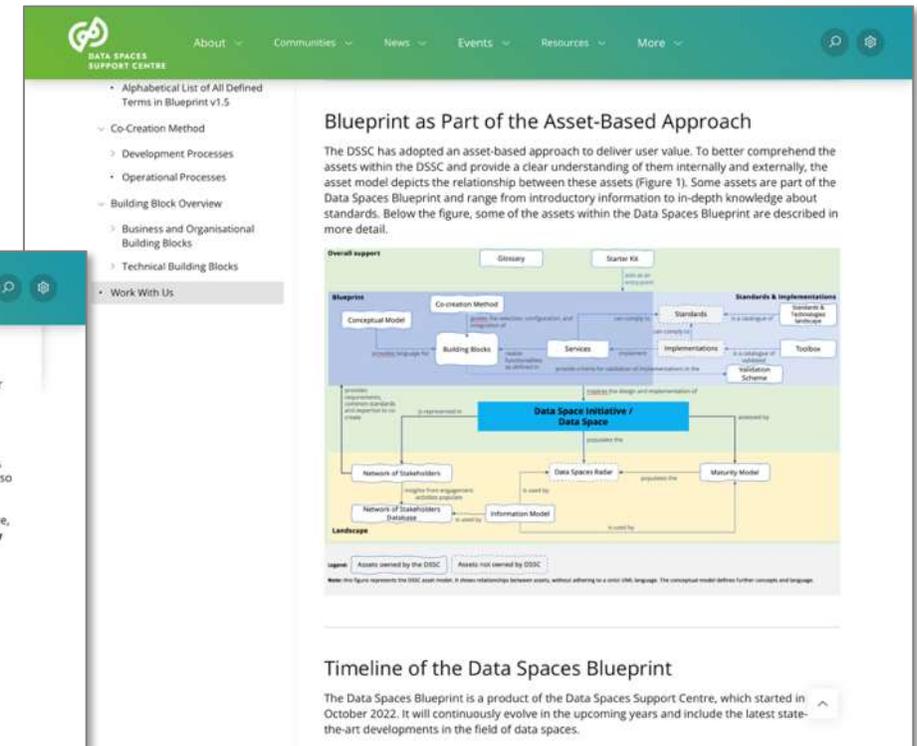
Business & Organisational Building Blocks

Business	Governance	Legal
Business Model	Organisational Form & Governance Authority	Regulatory Compliance
Use Case Development	Participation Management	Contractual Framework
Data Product		
Intermediaries & Operators		

Technical Building Blocks

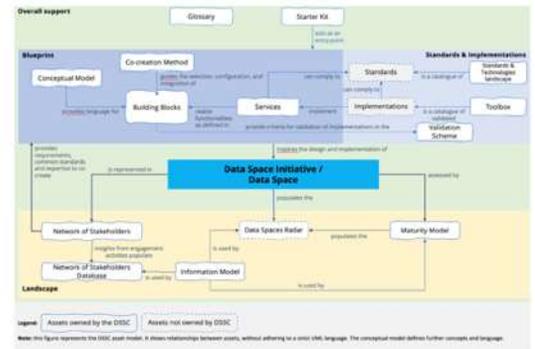
Data Interoperability	Data Sovereignty & Trust	Data Value Creation Enablers
Data Models	Identity & Attestation Management	Data, Services & Offerings Descriptions
Data Exchange	Trust Framework	Publication & Discovery
Provenance & Traceability	Access & Usage Policies Enforcement	Value Creation Services

Figure 1. Building Block Overview



Blueprint as Part of the Asset-Based Approach

The DSSC has adopted an asset-based approach to deliver user value. To better comprehend the assets within the DSSC and provide a clear understanding of them internally and externally, the asset model depicts the relationship between these assets (Figure 1). Some assets are part of the Data Spaces Blueprint and range from introductory information to in-depth knowledge about standards. Below the figure, some of the assets within the Data Spaces Blueprint are described in more detail.



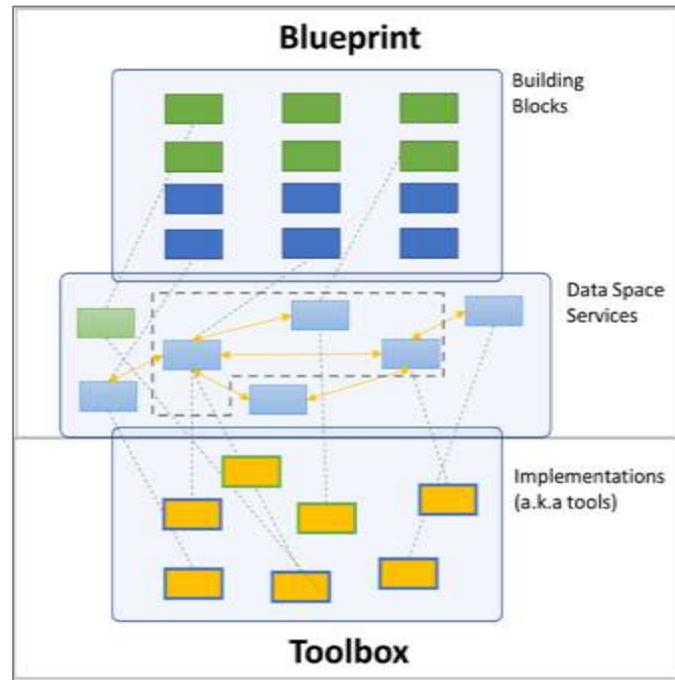
Timeline of the Data Spaces Blueprint

The Data Spaces Blueprint is a product of the Data Spaces Support Centre, which started in October 2022. It will continuously evolve in the upcoming years and include the latest state-of-the-art developments in the field of data spaces.

We cannot show you the new version yet 😊 These screenshots are from the live version

<https://dssc.eu/page/blueprint>





Name	Service type	Building blocks	Maintainer	Assessment information	Blueprint version
Ocean Enterprise Provider	Participant Agent service	ISA, ISA, IS, ISA, ISA, IS	Ocean Enterprise Collective (DEC)	📄 📄	v1.3
Ocean Enterprise Market	Value Creation service	ISA	Ocean Enterprise Collective (DEC), deltaDAD AG	📄 📄	v1.3
Nautilus Participant Agent	Participant Agent service	ISA, ISA, IS, ISA, ISA, IS	deltaDAD AG	📄 📄	v1.3
Ocean Enterprise Catalogue and Aquarius Catalogue Cache	Catalogue service	ISA, ISA, ISA, ISA, IS	Ocean Enterprise Collective (DEC), deltaDAD AG	📄 📄	v1.3
Gala-X Compliance Service	Validation and Verification service	ISA, ISA	Gala-X European Association for Data and Cloud AISBL	📄 📄	v1.3
Gala-X registry	Validation and Verification service	ISA, ISA	Gala-X European Association for Data and Cloud AISBL	📄 📄	v1.3
TNO Security Gateway	Participant Agent service	ISA, ISA, IS	TNO	📄 📄	v1.3

Toolbox metadata template

With this form you can provide information about the tool (data space component implementation) that is needed to be listed in the DSSC Toolbox.

Please fill in as much information as possible.

General information

Title	TNO Security Gateway
Name of the tool/implementation	TNO Security Gateway
Description	The TNO components allows you to participate in an IDS dataspaces to exchange information with other organisations with data sovereignty in mind. You will be able to participate with the provided components as is, but you're allowed to modify the components to create your own dataspaces with specific use cases in mind.
Version	V0.2.0
Maintainer	TNO
Purpose	The TNO Security Gateway is an implementation of a participant agent described in the DSSC Blueprint. This implementation can be used by any participant to connect to the data space and enable secure and trusted data sharing, and hence includes services aimed to serve this purpose. TNO is an independent research organization focused on research and innovations. This is reflected in the readiness level of the TNO security gateway, where the mainly addresses innovation purposes instead of production.

We cannot show you the new version yet 😊
These screenshots are from the live version

<https://dssc.eu/page/toolbox>



YOU!

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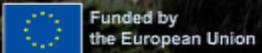
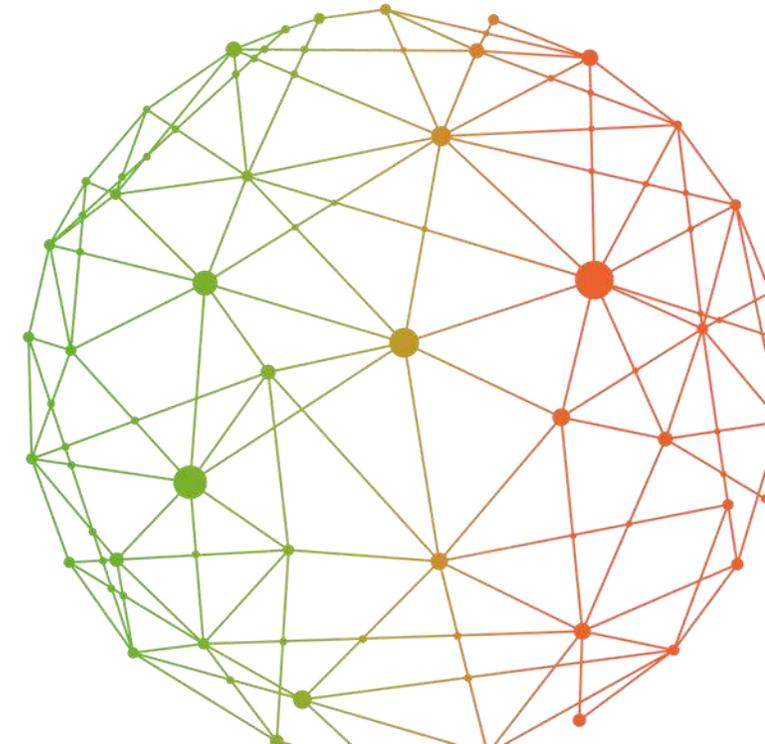


Image "Red Mountain at Night", © 2015 John Fowler, <https://flic.kr/p/uND2yA>

The Data Spaces Business Alliance



**INTERNATIONAL DATA
SPACES ASSOCIATION**



BDVA, FIWARE, GAIA-X AND IDSA LAUNCH AN ALLIANCE TO ACCELERATE BUSINESS TRANSFORMATION IN THE DATA ECONOMY (SEPTEMBER 23RD, 2021)

- **One architecture**
- **One voice**
- **One hundred Hubs**
- **One thousand members**





DSBA: OPERATIONALISATION AND 100-DAY PLAN

BRUSSELS, SEPTEMBER 30TH 2021

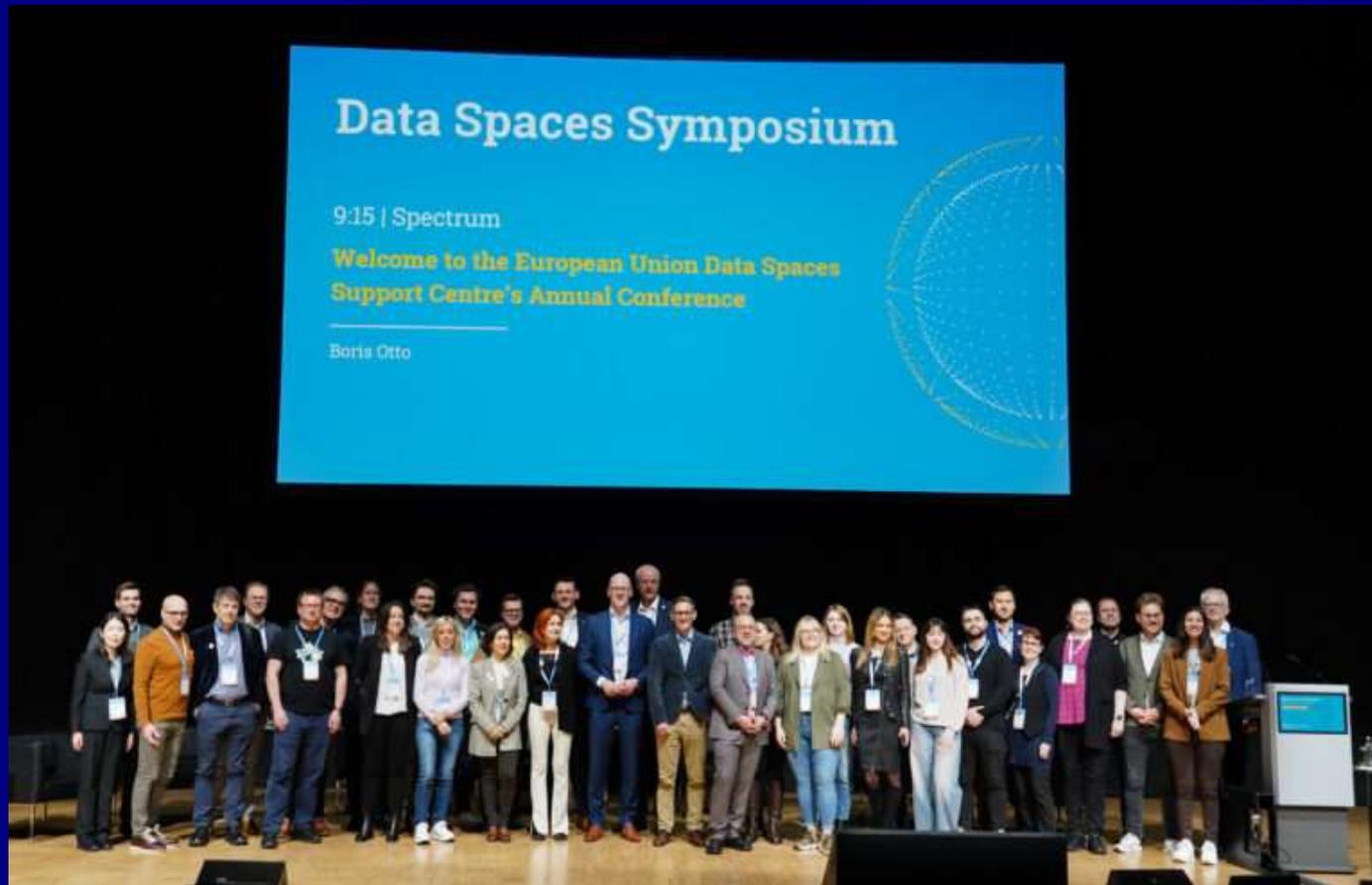
Data Spaces Support Centre: Project Kick-off Brussels, 13./14.10.2022



Data Spaces Symposium

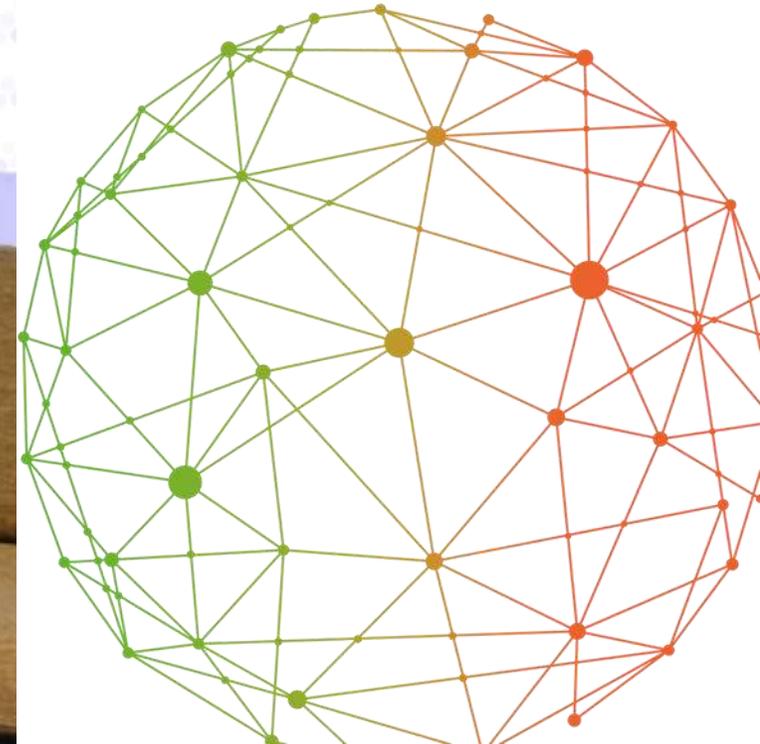
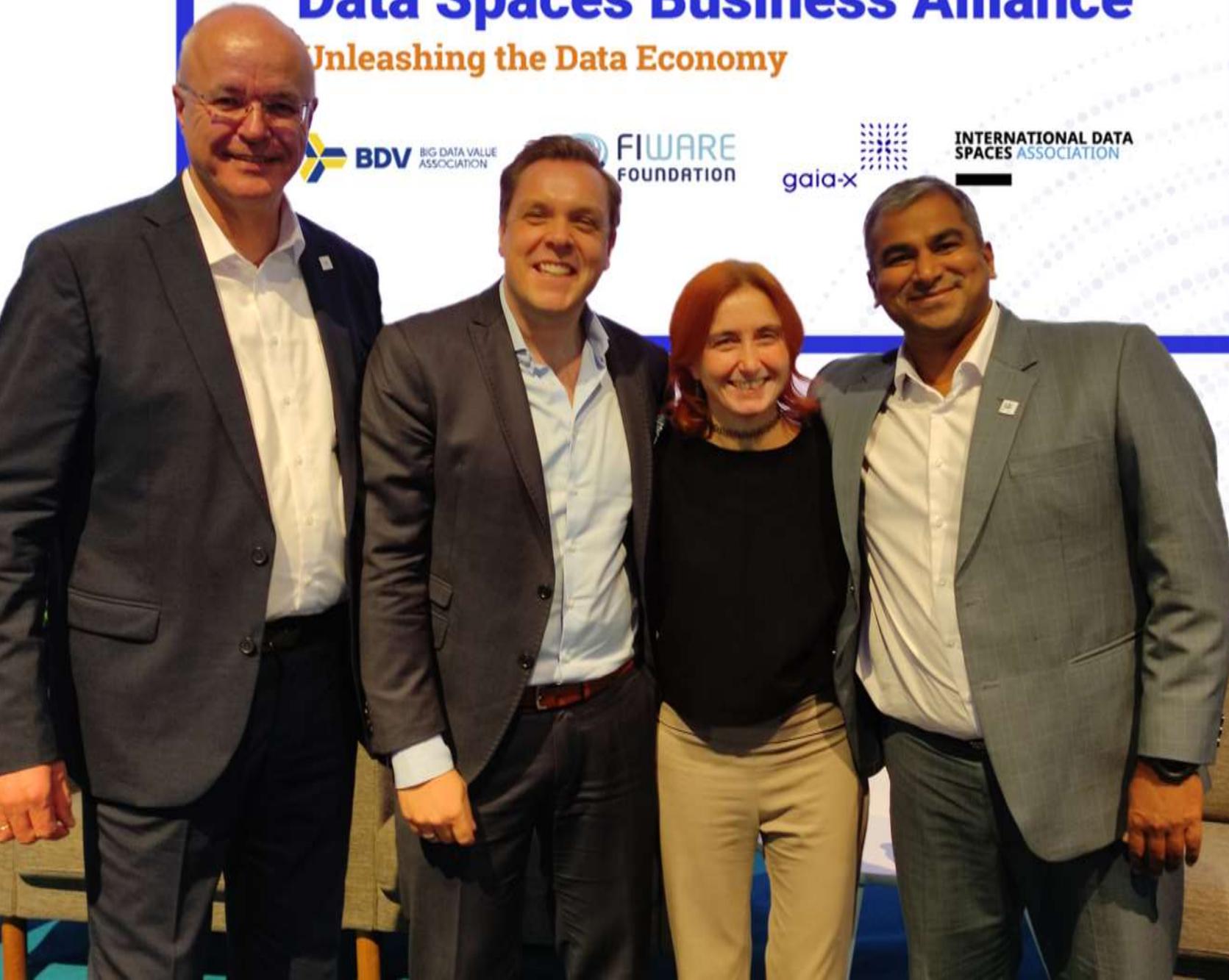
Share data. Unlock value. Boost impact.

Together in 2024



Data Spaces Business Alliance

Unleashing the Data Economy



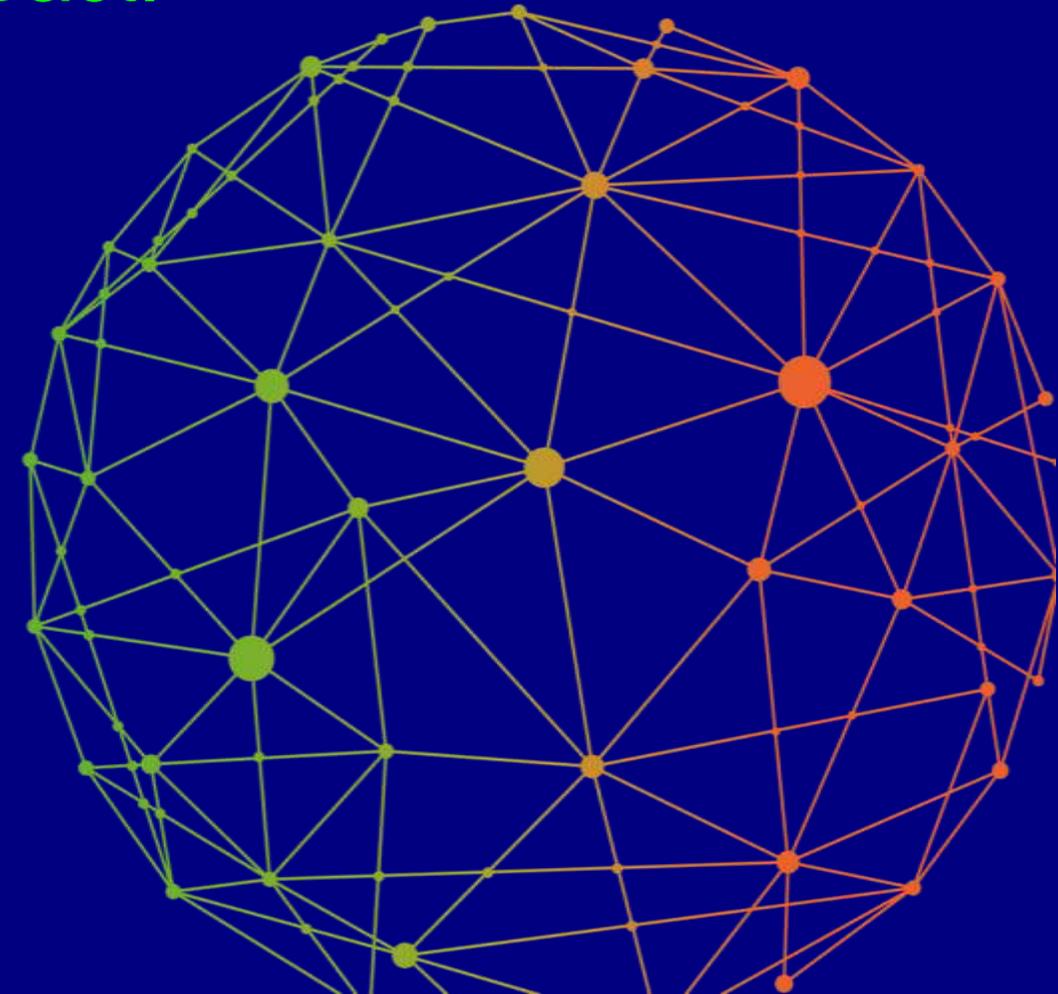
DSBA CEO and CTO workshop Frankfurt, January 17th, 2025



Data Spaces Symposium

Share data. Unlock value. Boost impact.

Hilton Hotel, Warsaw | 11 & 12 March 2025



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

Data Spaces Symposium 2025

Share data.

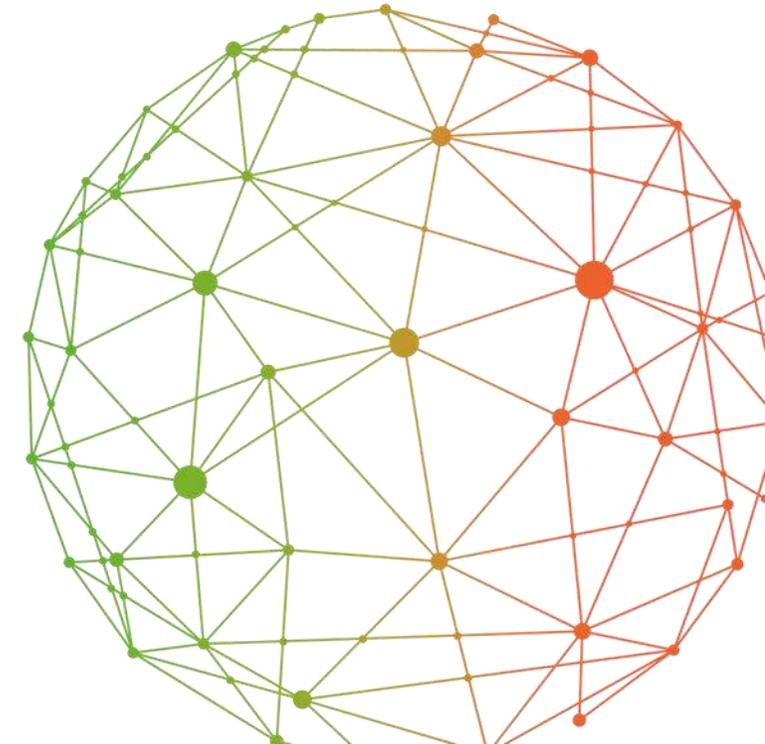
- Common technical layer and standards for decentralised digital ecosystems
- Enable control over data

Unlock value.

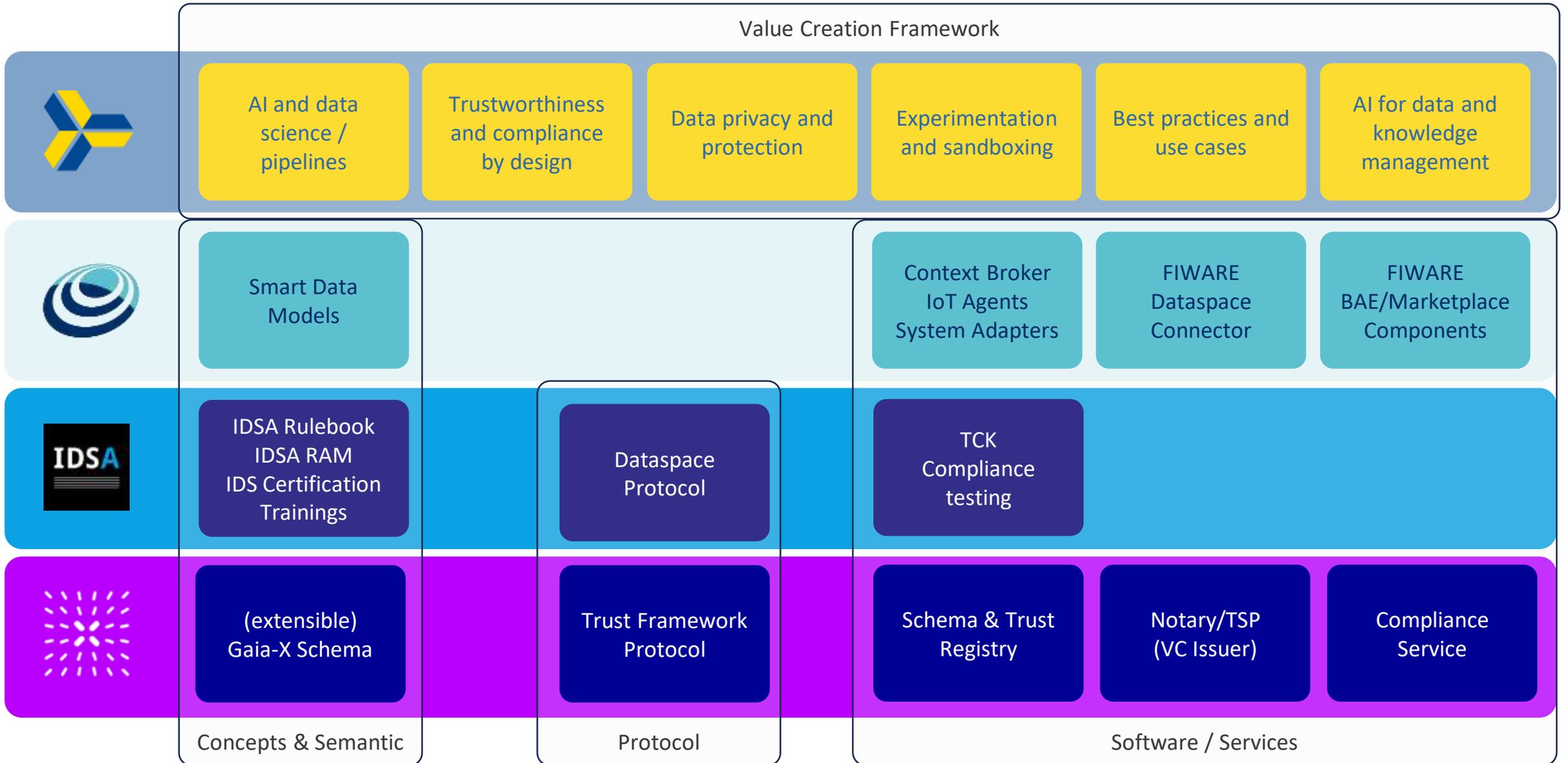
- Companies implementing the software and services to scale
- Combine Data and AI

Boost impact.

- Accelerate deployment
- Globalisation
- Demos
- Reference Implementations



DSBA Assets



Data Spaces Symposium 2025

Program day 1 | 11 March 2025 Forum day

10:00 Registration

10:30 **Open Data, publicly usable, Secret Data? – What's what data space and all about. Welcome to DS2 2025**

11:00 **Keynote session**

11:30 **Workshop: European Commission**

12:00 **Workshop: European Commission**

13:00 **Workshop: European Commission**

14:00 **Workshop: European Commission**

15:00 **Workshop: European Commission**

16:00 **Workshop: European Commission**

17:00 **Workshop: European Commission**

18:00 **Workshop: European Commission**

19:00 **Workshop: European Commission**

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57:00 **Workshop: European Commission**

58:00 **Workshop: European Commission**

59:00 **Workshop: European Commission**

60:00 **Workshop: European Commission**

Program day 2 | 12 March 2025 Future day

09:00 **Comprehensive End Day wrap up**

Day 1 recap, 3 highlights on how to share data, unlock value and boost impact

Keynote session

Data-sharing power challenges, data opens value flows

Using Semantics 4D agents in the real world

Understanding each other's key domains, interoperability in data spaces

Concept session

Data spaces to enable sovereign data sharing

Important introduction: data spaces

DSAs also open convergence. Convergence each other for meeting the common goals for data spaces

Track 1

Track 2

Track 3

Breakout track 1

Breakout track 2

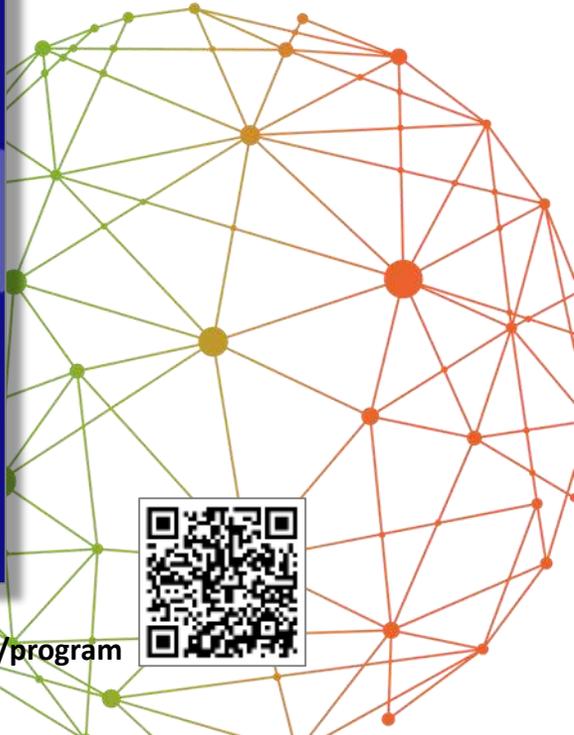
Track 1

Track 2

Track 3

Breakout track 1

Breakout track 2



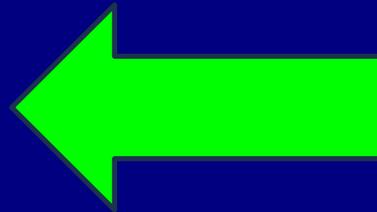
A downloadable version of the program to help you prepare your attendance will be available soon at <https://www.data-spaces-symposium.eu/program>

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Warsaw | Hilton Hotel

11 & 12 March



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