

# Introduction to the Data Spaces Support Centre (DSSC)

Tuomo Tuikka | 29<sup>th</sup> of January 2025

Data Space Alliance, Finland

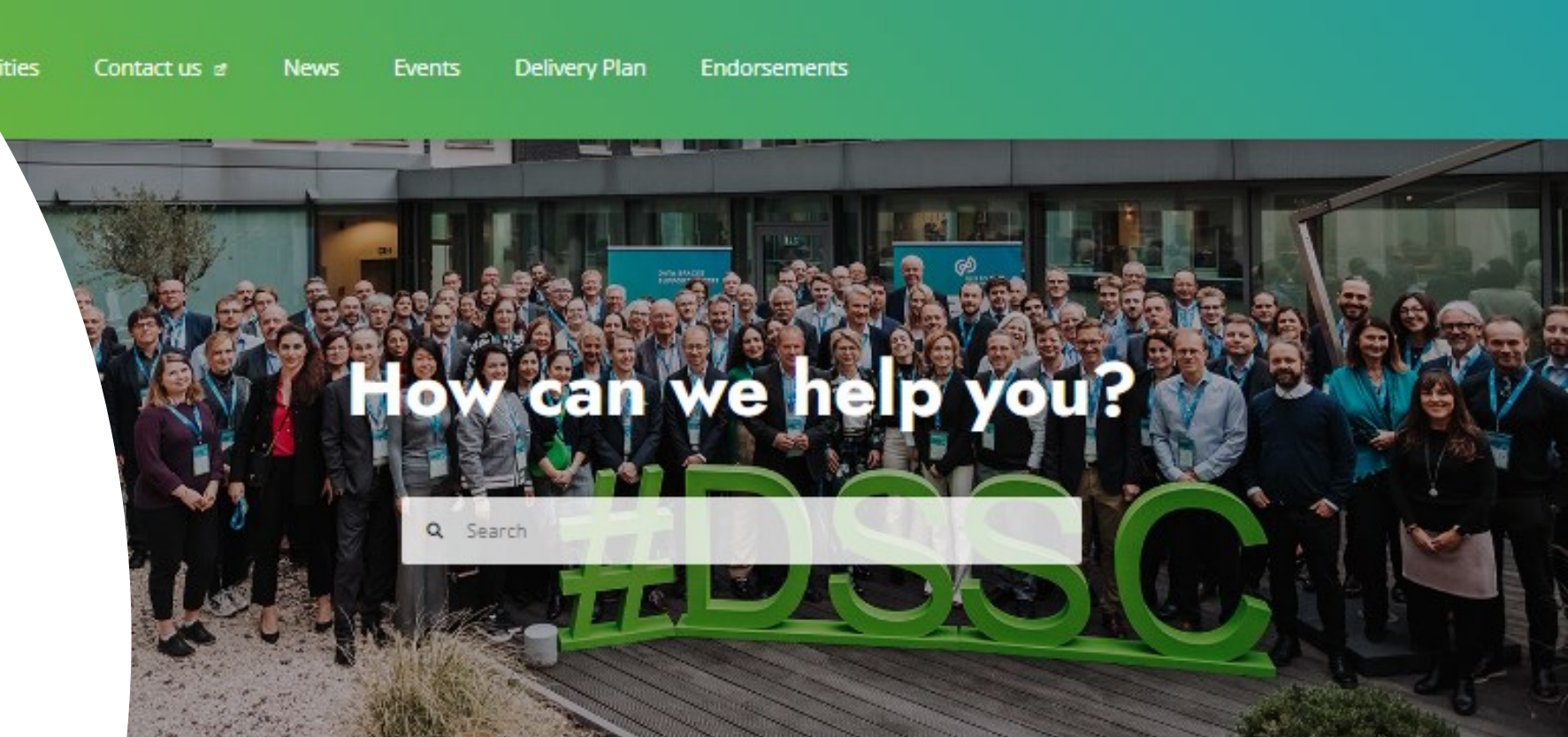
The Data Spaces Support Centre receives funding from the European Union Digital Europe Programme under grant agreement n° 101083412.



## DATA SPACES SUPPORT CENTRE

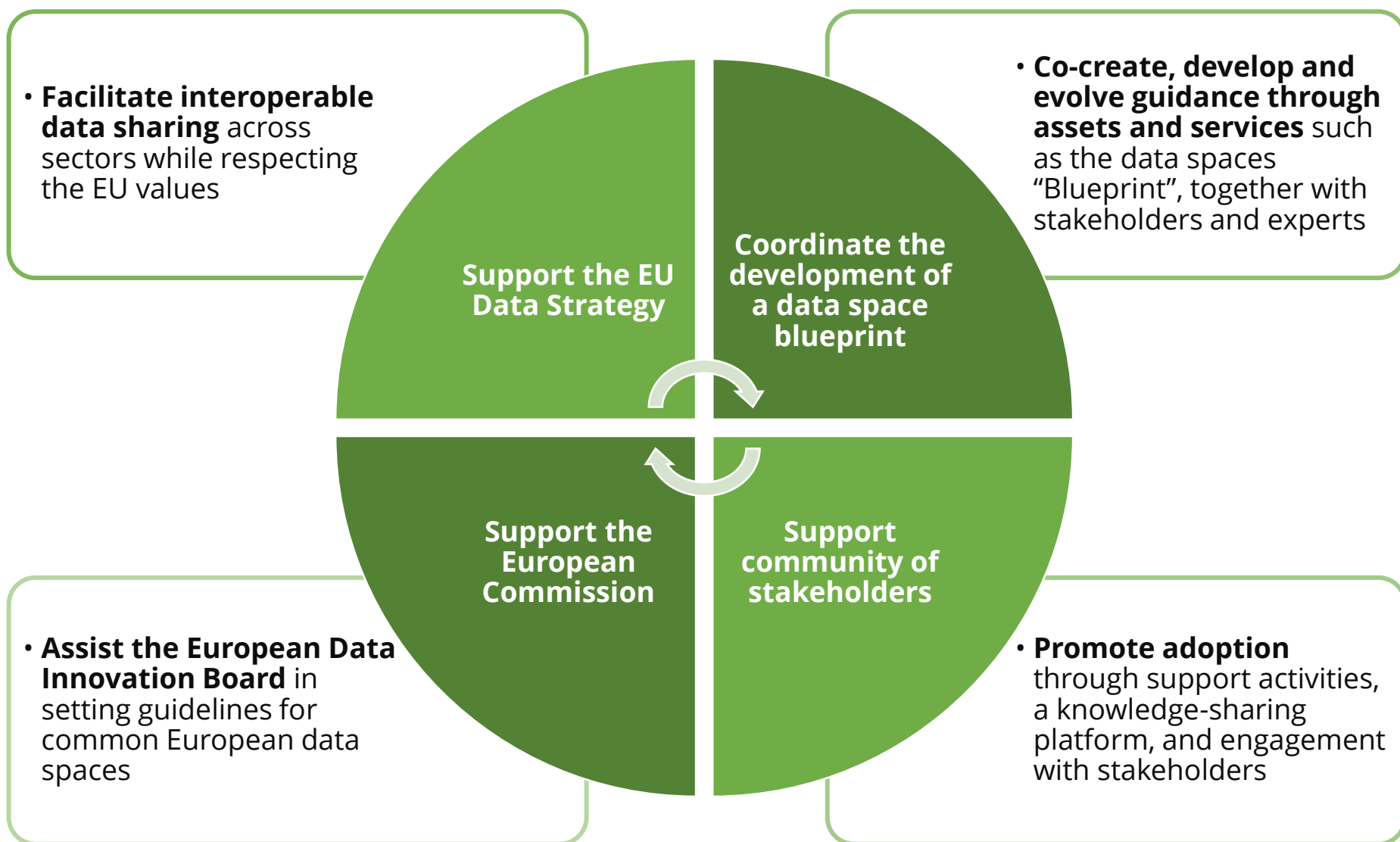
The virtual organization and EU-funded project which supports the deployment of common European data spaces and promotes the reuse of data across sectors

### Partners

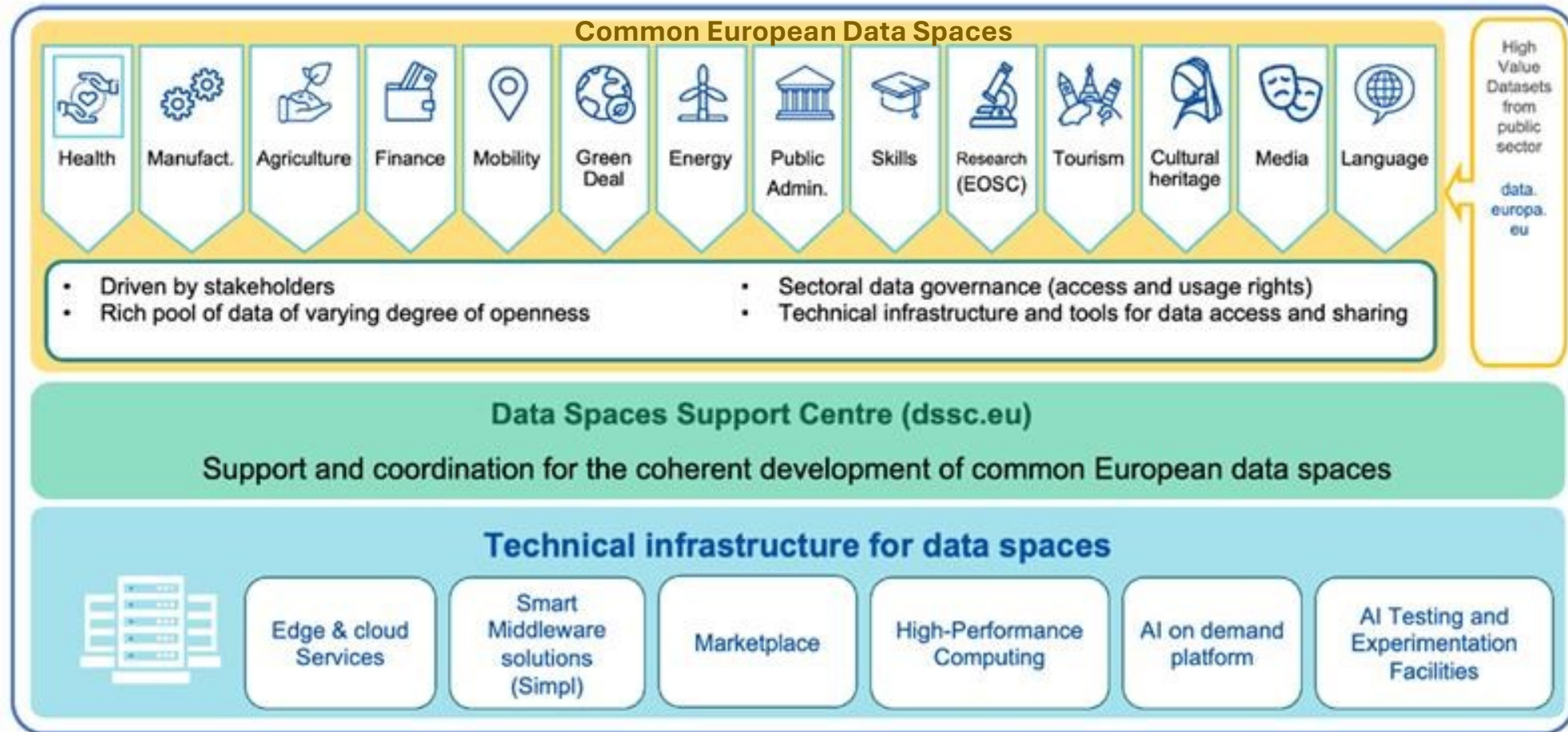


### Associated partners

# DSSC mission



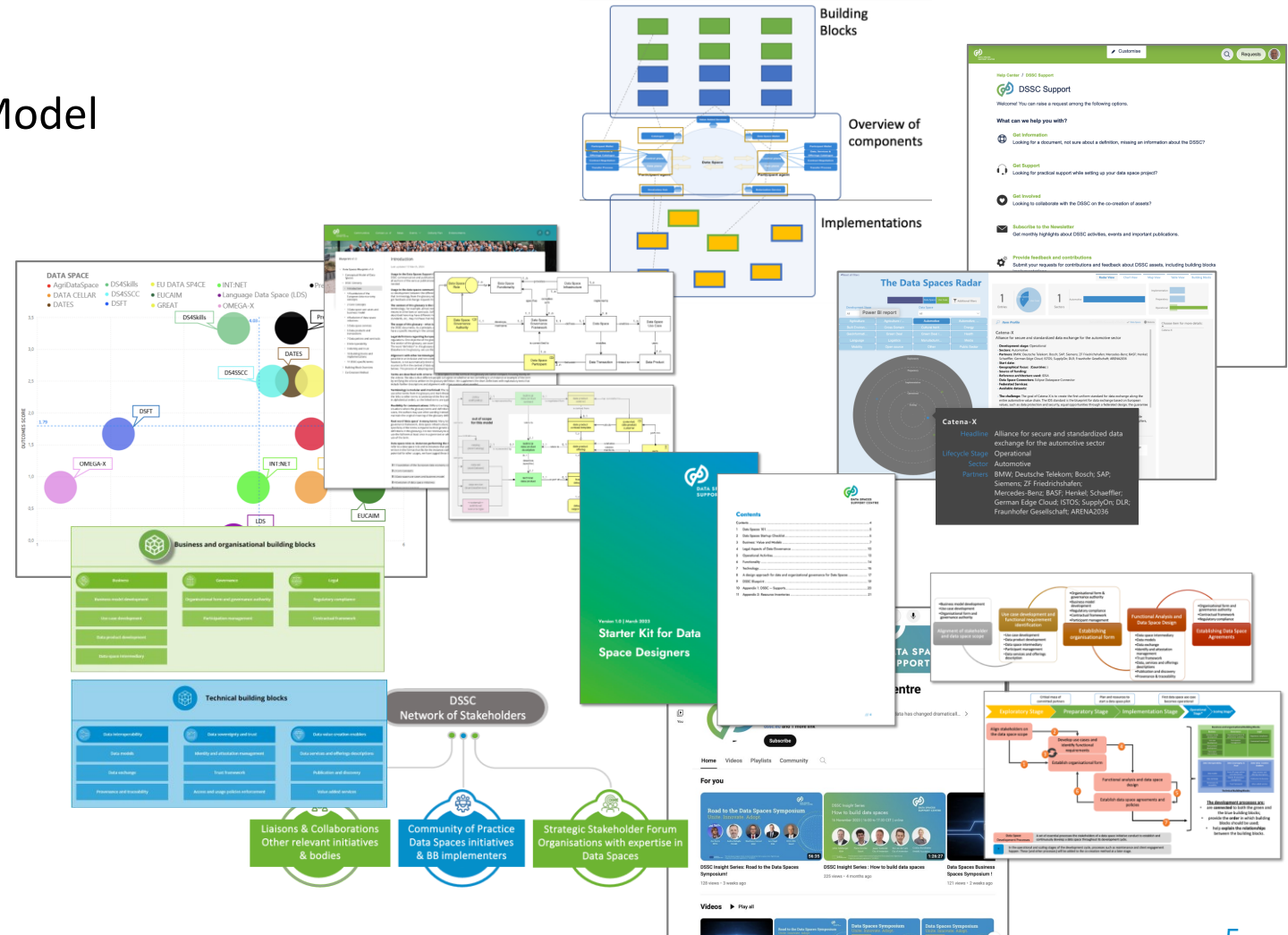
# Positioning of the DSSC within the EU Data Strategy implementation actions





# DSSC offerings

- The Network of Stakeholders
- The Glossary and the Conceptual Model
- The Starter Kit
- The Collection of Standards
- The Blueprint
- The Co-Creation Method
- The Toolbox
- The Radar
- Impact monitoring and evaluation
- Support
- Communications



# DSSC Community of Practice (as per March 2024)

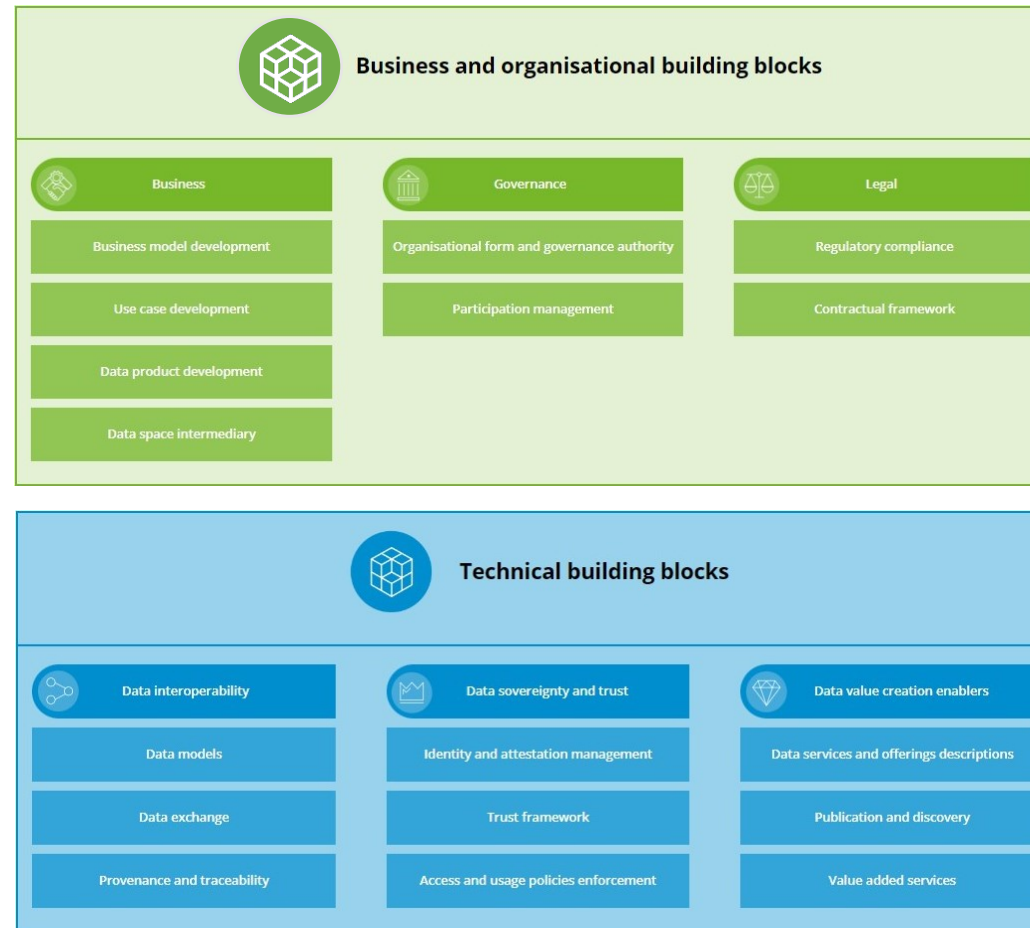


- Relationship Manager
- Regular group discussions
- Thematic Groups
- Expert groups
- Regular communications
- Insights and visibility
- Events
- Community Support

## Collaboration with SIMPL started

# The Blueprint

- The collection of building blocks and components that make most typical data spaces.
- Functional description and related recommended standards.
- Supporting the choices you face in designing a data space or performing gap analysis vs pre-existing systems.



- ✓ Required capabilities
- ✓ Core design decisions
- ✓ Specifications & common standards
- ✓ Further reading

# Blueprint Publication

**Rationale:** all DSSC offers for all users' type at a glance

For **Building Blocks makers:**

- Implementers of BBs
- Data Space deployment projects
- Contributors to BBs specifications
- Data Space services developers



For **Data Space makers:**

- Data Space initiatives at every stage



For **business users:**

- Data Spaces landscape
- Market analysis
- Support and services



Provide feedback &  
Get support

....at any time

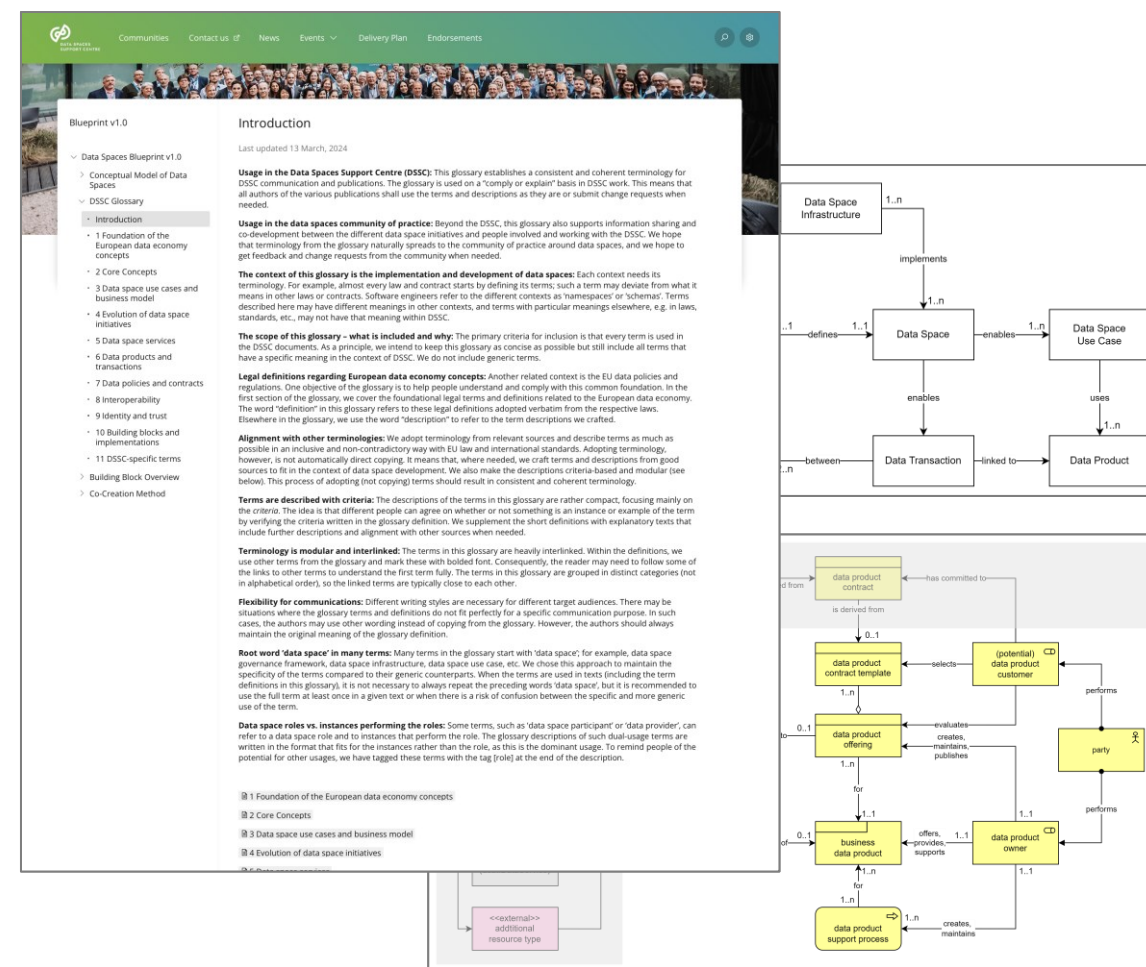


# Other assets

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

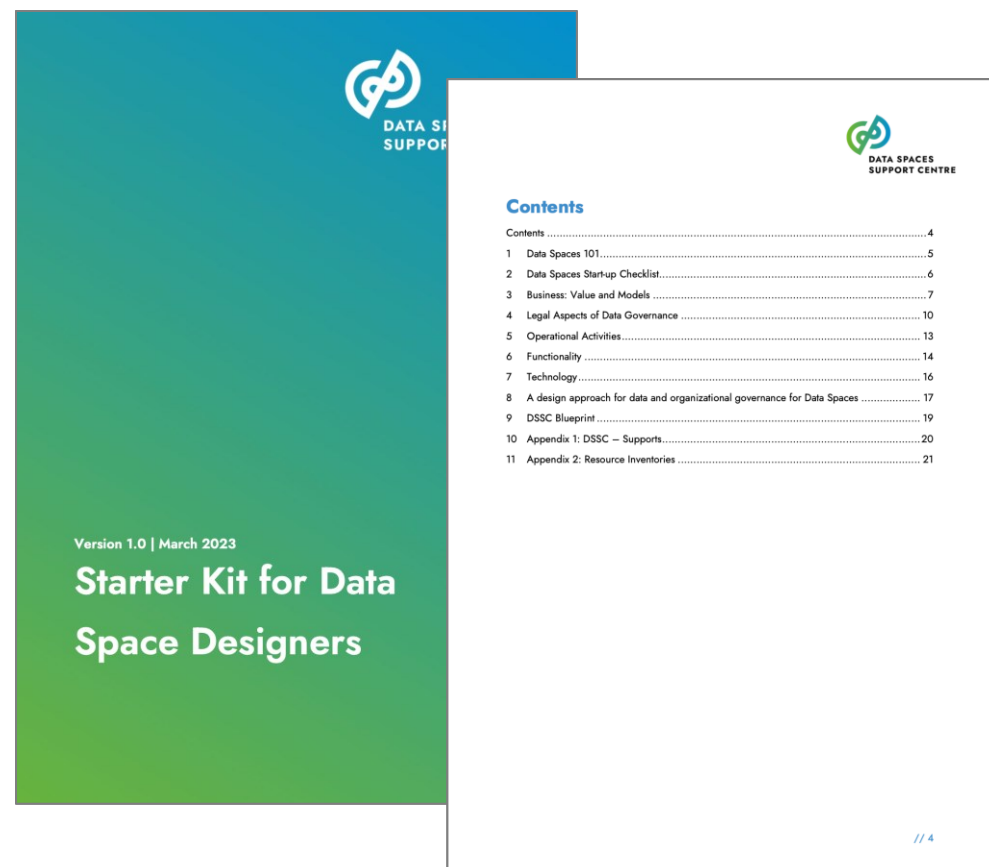
# The Glossary and the Conceptual Model

- Data Spaces is an innovative domain
- Among practitioners, concepts and terminology can be ambiguous or subject to different interpretation
- Converging on language is necessary for clarity and collaboration



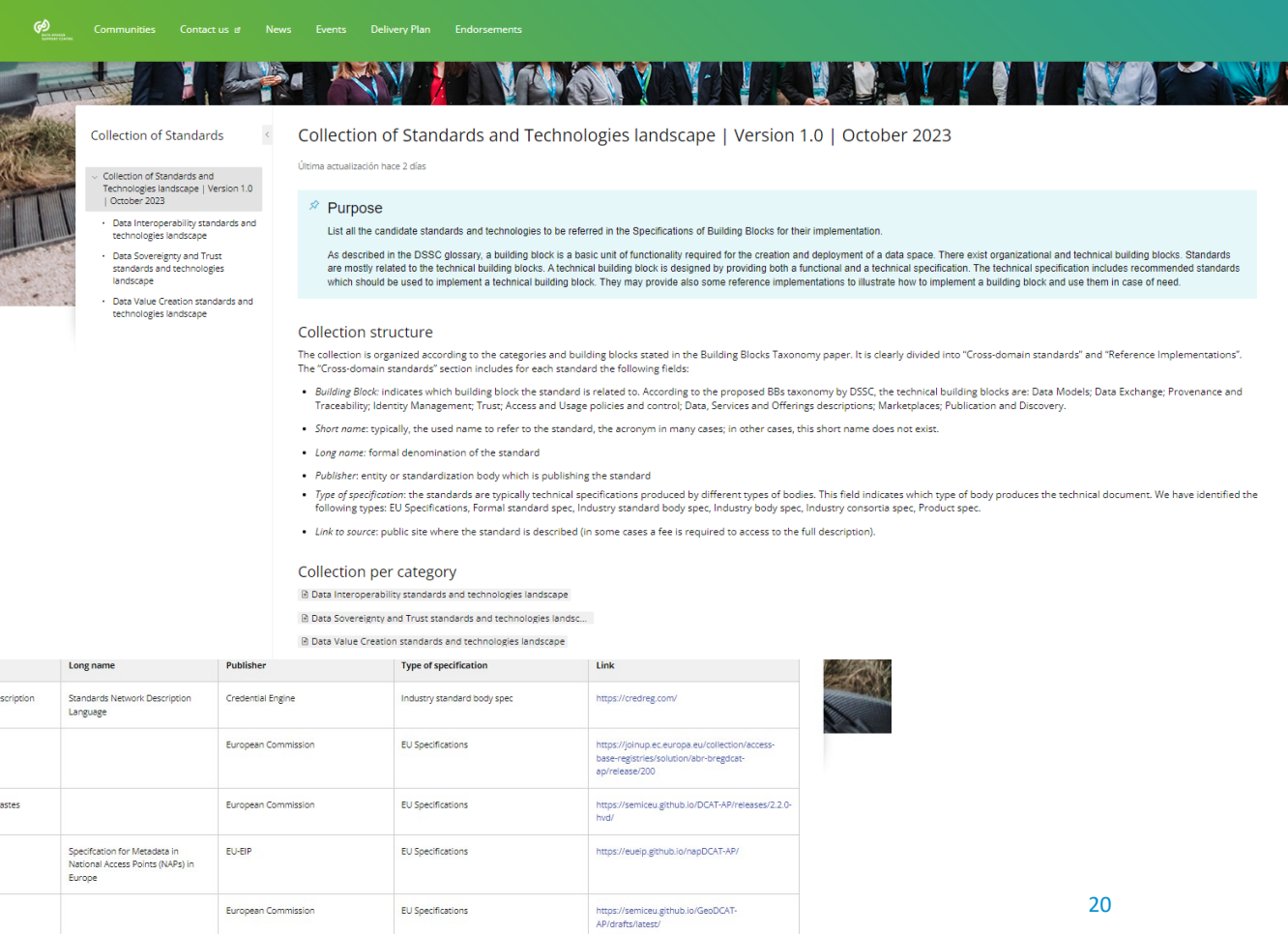
# The Starter Kit

- An easy introduction to data spaces and Data Spaces Support Centre
- For data space designers, data producers, data consumers, providers of intermediary services, or services and business applications
- To be updated later in 2024



# Collection of standards

- A map of existing de-facto/de-jure standards and reference implementations candidates for the technical descriptions of the Building Blocks
- In co-creation with the data spaces initiatives and stakeholders
- 130 collected standards (Sep 2023)
- Available through [DSSC web site](#)
- Open for contributions ([feedback form](#))



**Collection of Standards and Technologies landscape | Version 1.0 | October 2023**

Última actualización hace 2 días

### Purpose

List all the candidate standards and technologies to be referred in the Specifications of Building Blocks for their implementation.

As described in the DSSC glossary, a building block is a basic unit of functionality required for the creation and deployment of a data space. There exist organizational and technical building blocks. Standards are mostly related to the technical building blocks. A technical building block is designed by providing both a functional and a technical specification. The technical specification includes recommended standards which should be used to implement a technical building block. They may provide also some reference implementations to illustrate how to implement a building block and use them in case of need.

### Collection structure

The collection is organized according to the categories and building blocks stated in the Building Blocks Taxonomy paper. It is clearly divided into "Cross-domain standards" and "Reference Implementations". The "Cross-domain standards" section includes for each standard the following fields:

- **Building Block:** indicates which building block the standard is related to. According to the proposed BBs taxonomy by DSSC, the technical building blocks are: Data Models; Data Exchange; Provenance and Traceability; Identity Management; Trust; Access and Usage policies and control; Data, Services and Offerings descriptions; Marketplaces; Publication and Discovery.
- **Short name:** typically, the used name to refer to the standard, the acronym in many cases; in other cases, this short name does not exist.
- **Long name:** formal denomination of the standard
- **Publisher:** entity or standardization body which is publishing the standard
- **Type of specification:** the standards are typically technical specifications produced by different types of bodies. This field indicates which type of body produces the technical document. We have identified the following types: EU Specifications, Formal standard spec, Industry standard body spec, Industry body spec, Industry consortia spec, Product spec.
- **Link to source:** public site where the standard is described (in some cases a fee is required to access to the full description).

### Collection per category

- Data Interoperability standards and technologies landscape
- Data Sovereignty and Trust standards and technologies landscape
- Data Value Creation standards and technologies landscape

### Data Value Creation standards and technologies landscape

Creado por hace 9 días

The following tables show the collected standards for Data Value Creation

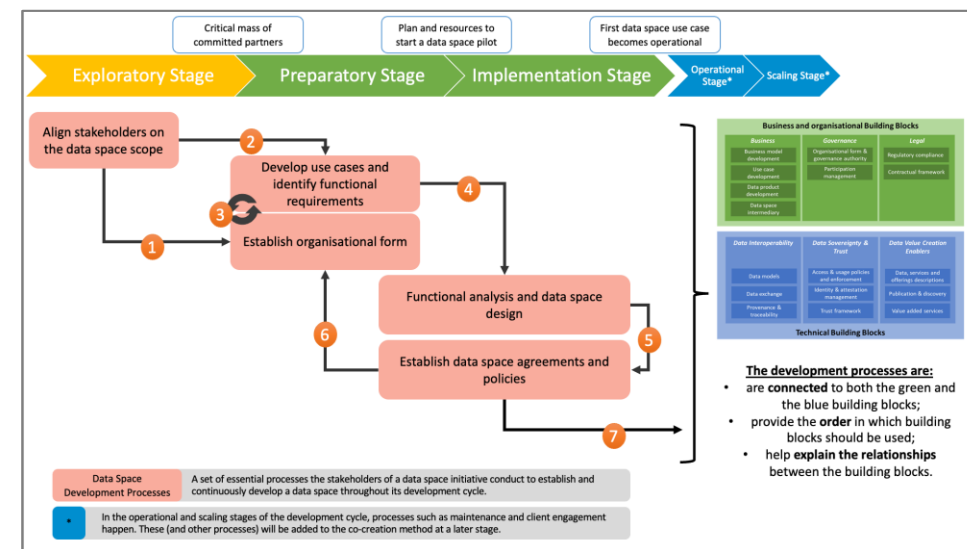
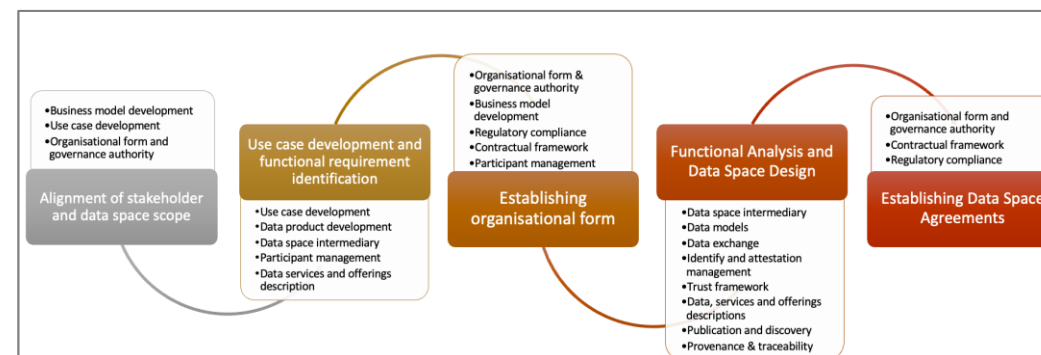
	Building Block	Short name	Long name	Publisher	Type of specification	Link
1	Data, Services and Offerings descriptions	Credential Transparency Description Language	Standards Network Description Language	Credential Engine	Industry standard body spec	<a href="https://credreg.com/">https://credreg.com/</a>
2	Data, Services and Offerings descriptions	Breg-DCAT-AP		European Commission	EU Specifications	<a href="https://joinup.ec.europa.eu/collection/access-base-registries/solution/abr-bregdcap/release/200">https://joinup.ec.europa.eu/collection/access-base-registries/solution/abr-bregdcap/release/200</a>
3	Data, Services and Offerings descriptions	DCAT-AP for High Value Datasets		European Commission	EU Specifications	<a href="https://semiceu.github.io/DCAT-AP/releases/2.2.0-hvd/">https://semiceu.github.io/DCAT-AP/releases/2.2.0-hvd/</a>
4	Data, Services and Offerings descriptionsData Models	DCAT-NAP-AP	Specification for Metadata in National Access Points (NAPs) in Europe	EU-EIP	EU Specifications	<a href="https://eueip.github.io/napDCAT-AP/">https://eueip.github.io/napDCAT-AP/</a>
5	Data, Services and Offerings descriptions	Geo-DCAT-AP		European Commission	EU Specifications	<a href="https://semiceu.github.io/GeoDCAT-AP/drafts/latest/">https://semiceu.github.io/GeoDCAT-AP/drafts/latest/</a>

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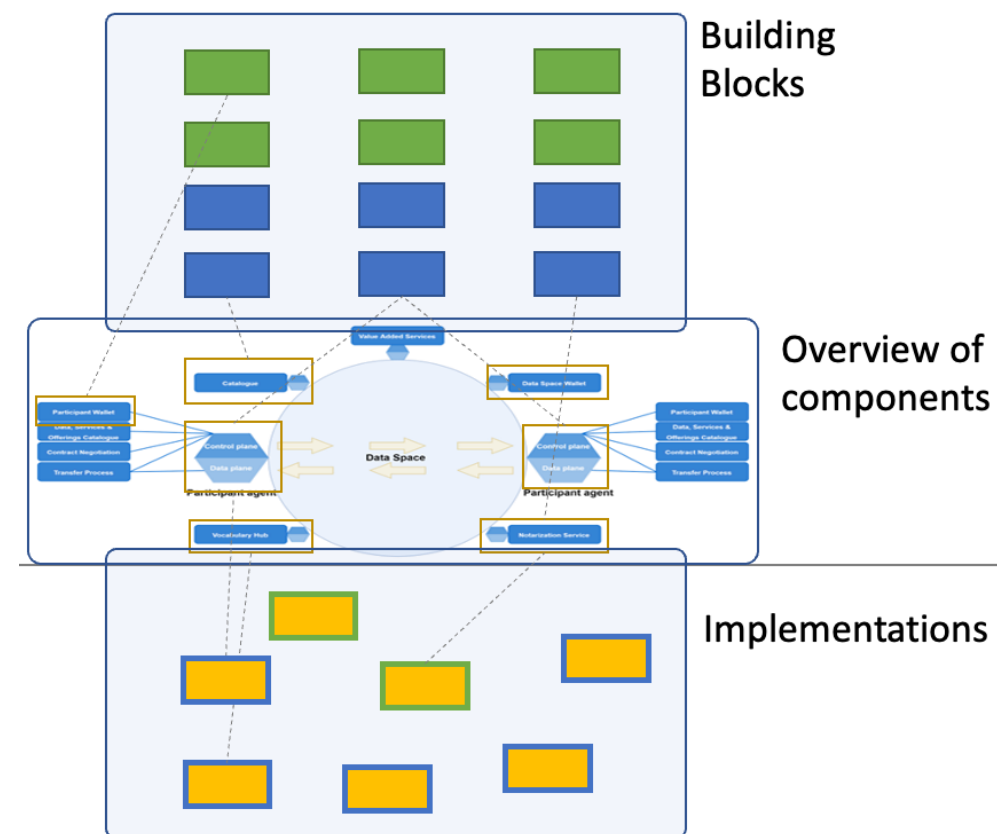
# The Co-Creation Method

- A guide to select which building blocks and components are typically used to address your use case
- Aligned to the maturity level of your data space
- Enabling you to be agile in your implementation



# The Toolbox

- Building blocks specify the dataspace functionalities and requirements
- Components specify how these materialise in the dataspace
- **Toolbox is a curated catalogue of implementations of these components (tools)**



**Submission to the Toolbox are open!**

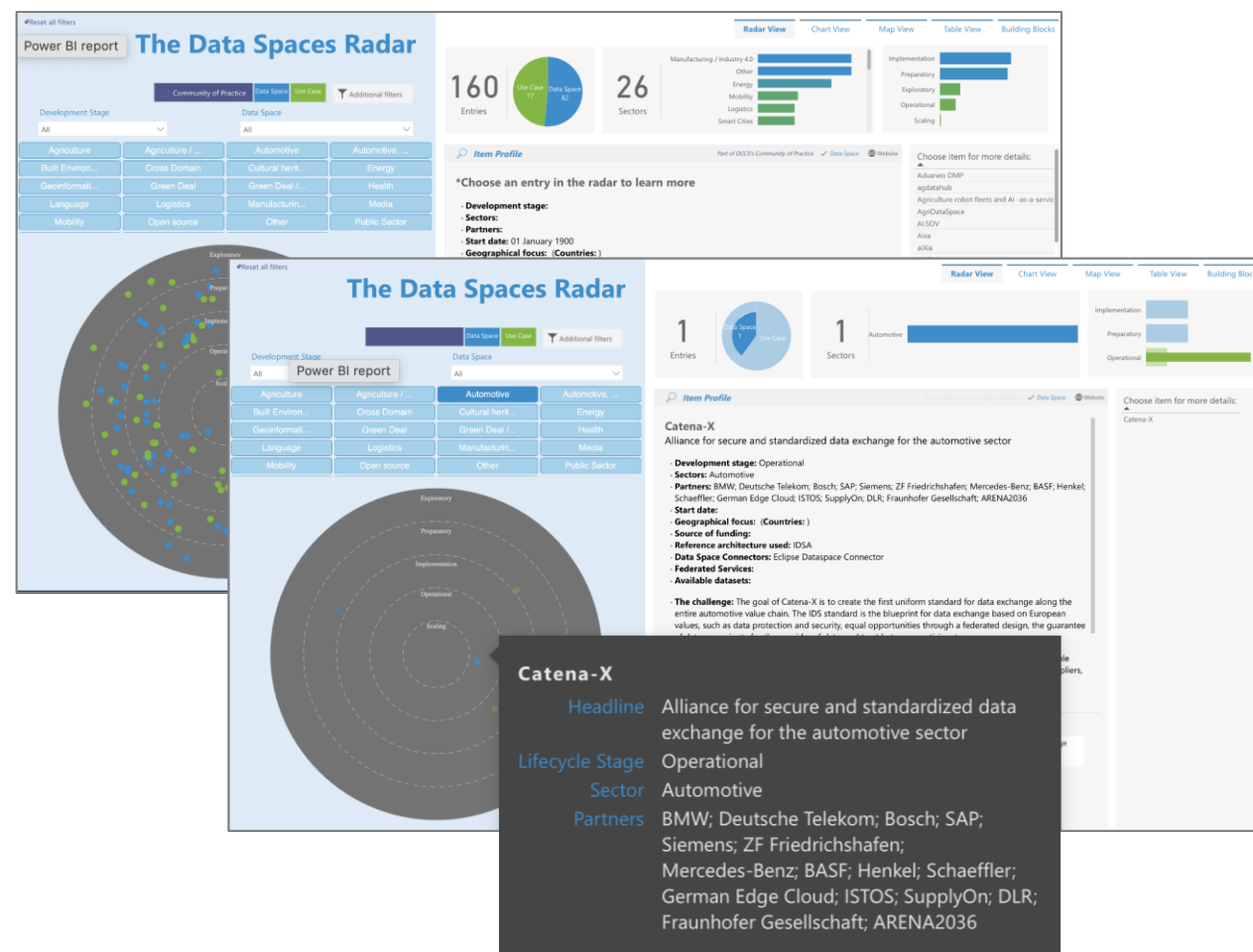
Find out here how to tell us about your favourite software components and services.

# The Radar



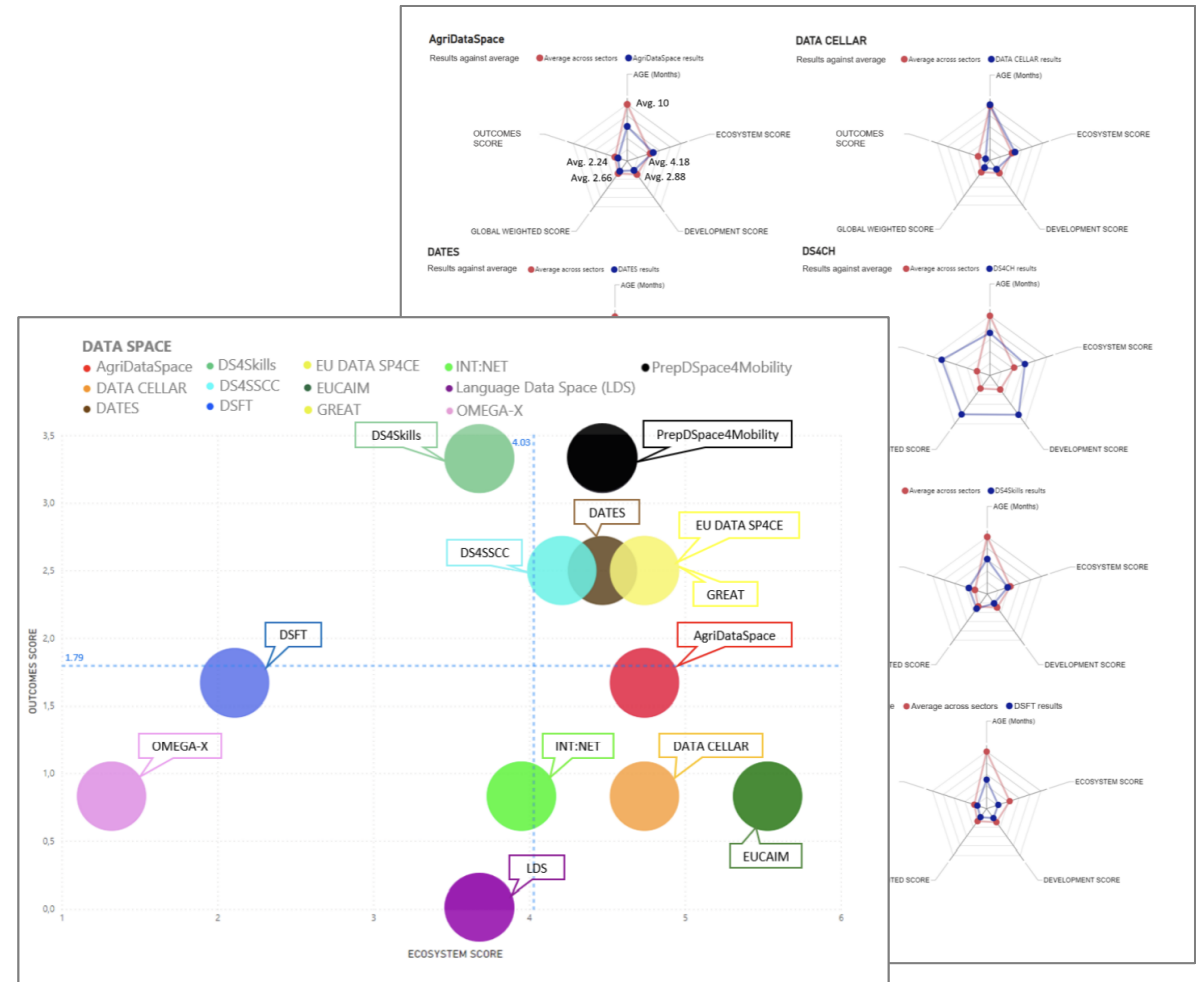
**DATA SPACES  
SUPPORT CENTRE**

- A tool to collect and offer information back about data spaces and use cases, whether EU-funded or commercial
- >150 initiatives and use cases listed across 23 sectors



# Impact monitoring and evaluation

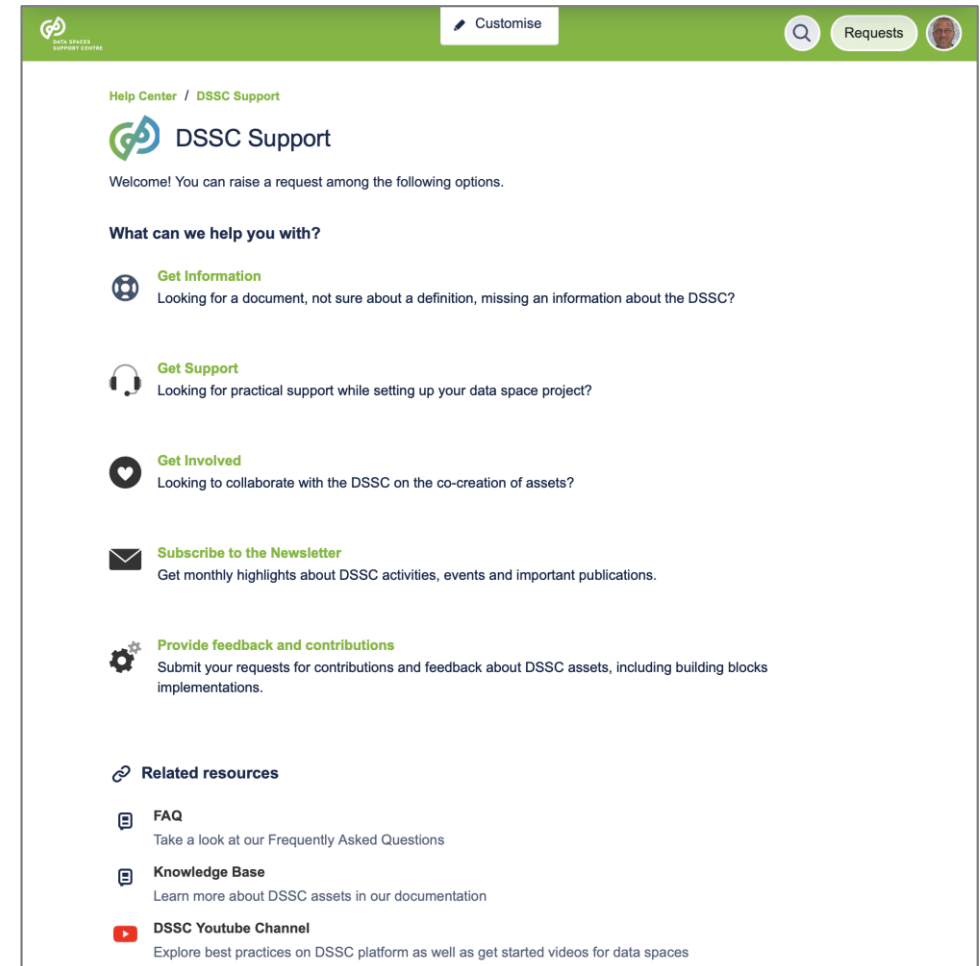
- The first “maturity model” offering a benchmark and a shared reference to evaluate our efforts in designing and operating data spaces
- To learn from the experience and challenges of others





# Support platform

- To get in touch with the experts in the team and get opinion and advice
- >1200 requests addressed in ~1,5 years

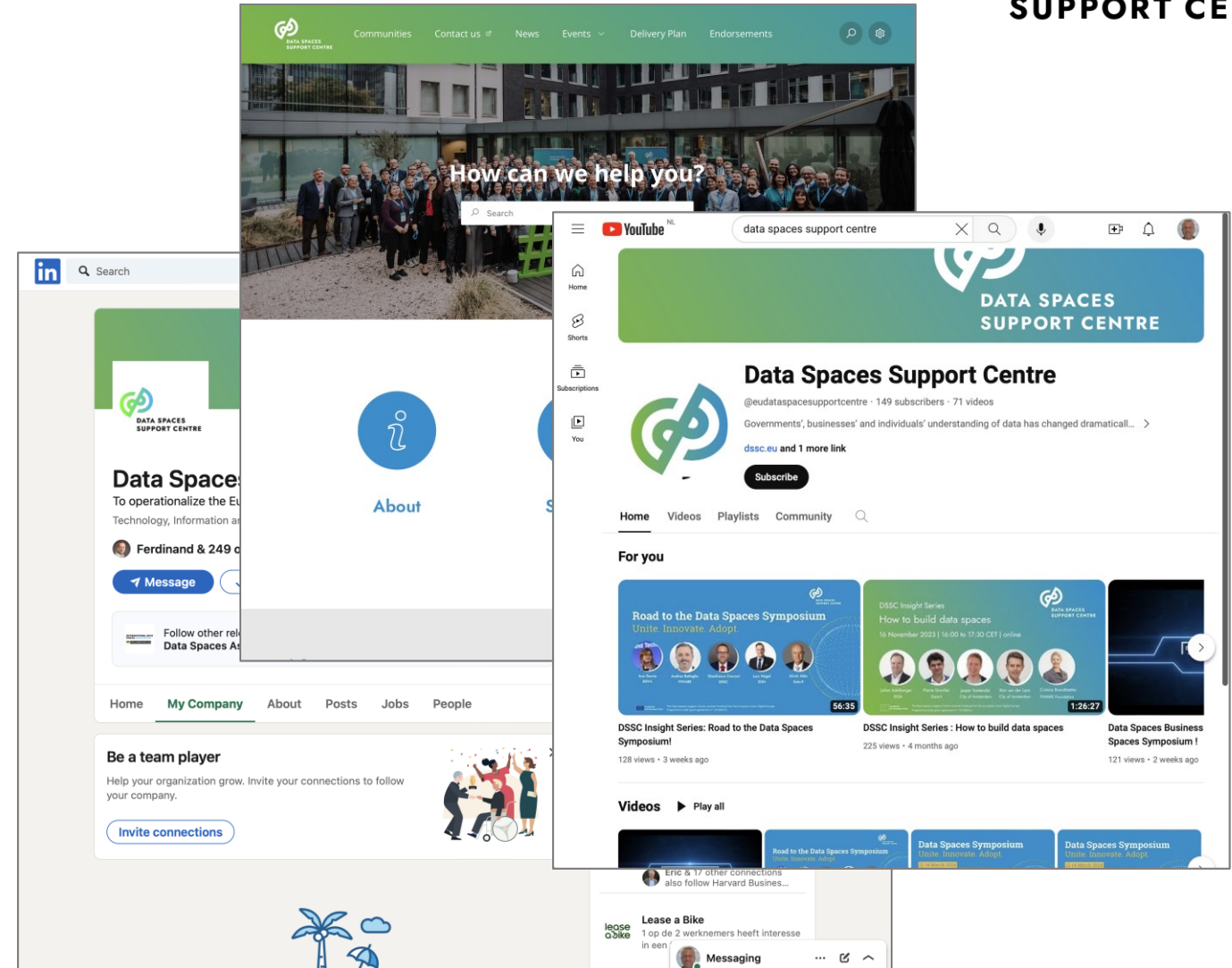




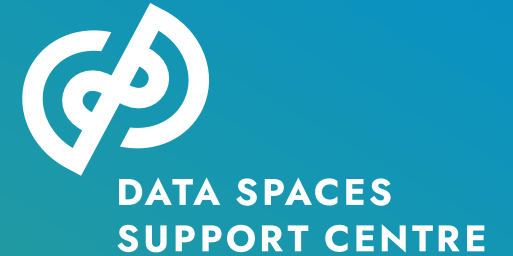
**DATA SPACES  
SUPPORT CENTRE**

# Communications

- Keeping you connected and informed
- Subscribe to our newsletter!
- Engage with us!



# Where to find out more



- » Sign up for the Data Spaces Support Centre newsletter using the QR-code or at [tinyurl.com/dssc-newsletter](https://tinyurl.com/dssc-newsletter) .....



- » Join our community at [tinyurl.com/dssc-get-involved](https://tinyurl.com/dssc-get-involved) .....



- » Use our resources at [tinyurl.com/dssc-knowledge-base](https://tinyurl.com/dssc-knowledge-base) .....



- » Get support at [tinyurl.com/dssc-support](https://tinyurl.com/dssc-support) .....



# Data Spaces Symposium 2025

- [Data Spaces Symposium 2025 – Share data. Unlock Value. Boost Impact.](#)

A promotional banner for the Data Spaces Symposium 2025. The background is dark blue. On the right side, there is a large, complex geometric network diagram with green and orange nodes connected by lines. The text is primarily white and green. Navigation links are in green at the top right. Call-to-action buttons are in orange and green. Logos for partner organizations are at the bottom left, and the Data Spaces Support Centre logo is at the bottom right.

Data Spaces Symposium

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## Data Spaces Symposium 2025

**Share data. Unlock Value. Boost Impact.**

Warsaw | 11 & 12 March 2025

[Register now!](#)

[Check out the program](#) [Find the event venue](#)

**Data Spaces Business Alliance**

BDV Business Data Value FIWARE FOUNDATION galax INTERNATIONAL DATA SPACES ASSOCIATION

 **DATA SPACES SUPPORT CENTRE**



# Data Spaces Symposium 2025

- Organized by DSSC, DSBA (Fiware, IDSA, Gaia-X)
- 11.3-12.3
- Blueprint 2.0 release 11.3 at 13:30 ->
- Toolbox session 12.3 at 13:30
- Program [Program - Data Spaces Symposium 2025](#)
- Sponsoring packages

## Track 3

**Data space tech [facilitated by the DSSC]**

**Designing and delivering the Common European Data Spaces**

*The portfolio of DSSC guidance and services that the European Commission made available for the development of data spaces in the Union [part 1]*

**DSSC's Network of Stakeholders**

**The Data Space Design Principles**

**The Co-Creation Method**

**DSSC's support to the data spaces**

# "Suomi"-whatsapp group DSS 25!

- Whatsapp group
- Name, phonenumber
- Coordinating the trip, dinner, interesting topics, anything...
- Email me: [tuomo.tuikka@vtt.fi](mailto:tuomo.tuikka@vtt.fi), and I will make a group well before the event.