

WEBINAR

European data spaces for public administrations and the role of data.europa.eu

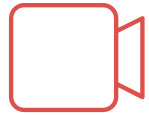
The logo for Data.europa.eu Academy, featuring the text "data.europa academy" in white lowercase letters. The word "data" is on the top line, "europa" is on the second line, and "academy" is on the third line. The dots in "data" and "europa" are colored yellow and orange. The logo is positioned in the bottom left corner of the slide, partially overlapping a large blue circular graphic element.

data.
europa
academy

7 June 2023

11.00 — 12.30 CET

Rules of the game



The webinar will be recorded



Please mute yourselves during the webinar



Please reserve 3 min after the webinar to help us improve by filling in our feedback form



For questions, please use the ClickMeeting chat.

Agenda

- | | |
|---------------|--|
| 11.05 – 11.20 | The concept of data spaces, differences with data portals, policy landscape and requirements of data spaces – <i>Maria Rosaria Coduti (DG CNECT)</i> |
| 11.20 – 11.30 | The state of play of the public procurement data space (PPDS) – <i>Marc-Christopher Schmidt (DG GROW)</i> |
| 11.30 – 11.40 | Data Spaces Support Centre and EU-funded data spaces – <i>Marta Pont Guixa (DSSC)</i> |
| 11.40 – 12.10 | Panel discussion led by Gianfranco Cecconi |
| 12:10 – 12.25 | Questions from the audience |

Introduction



Gianfranco Cecconi
Capgemini Invent



Maria Rosaria Coduti
Directorate-General for
Communications Networks,
Content and Technology
(DG CNECT)



Marc-Christopher Schmidt
Directorate-General for
Internal Market, Industry,
Entrepreneurship and SMEs
(DG GROW)



Marta Pont Guixa
Data Spaces Support Centre

The concept of data spaces, differences with data portals, policy landscape and requirements of data spaces

Maria Rosaria Coduti





The common European data spaces: harnessing data to benefit the society, the planet and the economy

data.europa.eu webinar, 7 June 2023

Maria Rosaria CODUTI

European Commission, DG CNECT – Data policy and innovation

Creating a single European market for data

European Data Strategy

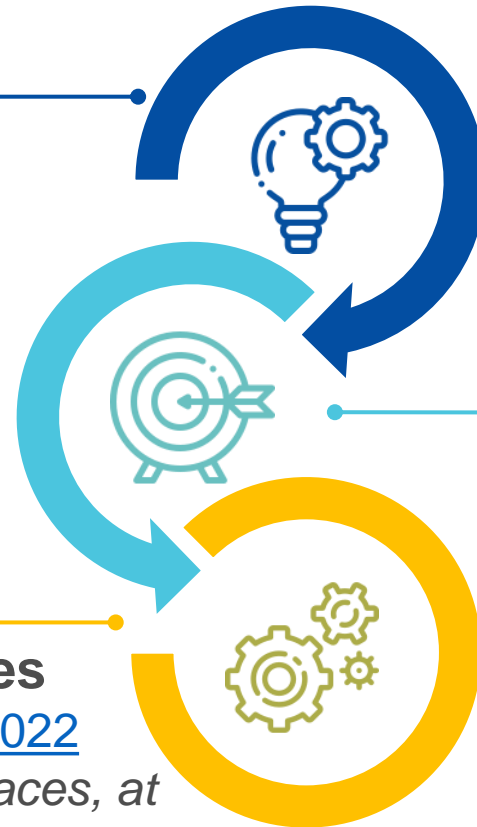
- [Published Feb 2020](#)
- *Genuine* internal data market
- Built on EU values and rules

Common European data spaces

- [Staff Working Document – Feb 2022](#)
Overview development data spaces, at request European Council
 - ✓ Horizontal aspects (concept, legislation, EU programmes/funding)
 - ✓ Sectoral/domain-specific initiatives

A cross-sectoral legislative framework

- [Data Governance Act](#) – July 2022
- [Data Act](#) – Proposal Feb 2022
- [Implementing Act on High-value datasets](#) (Open Data Directive) – December 2022



Data Governance Act

Leveraging the potential of data for the economy and society



Pillar 1:
Re-use of **sensitive data** held by **public sector bodies**



Pillar 2:
Framework for **trusted data intermediaries** in the Single Market



Pillar3:
Corporate and Individual **data altruism** for purposes of general interest



Pillar4:
Co-ordination and interoperability:
European Data Innovation Board

Horizontal framework for the creation of a single market for data

Data Act: Scope of rights and obligations

Better access to IoT data

Manufacturers of IoT objects need to allow access & can use the data

↓
Users of IoT objects get right to access and port data

↓
3rd parties can use the data to offer services (SMEs get special conditions)

Rules for IoT data also frame data sharing in other sectors

**Tackle
contractual
unfairness**

**Make business
data available for
the common good**

**Easier
switching
between
cloud services**



Facilitate data flows through technical standards and interoperability

The European Commission may adopt technical specifications if necessary to ensure interoperability

Common European data spaces



Health



Industrial & Manufacturing



Agriculture



Finance



Mobility



Green Deal



Energy



Public Administration

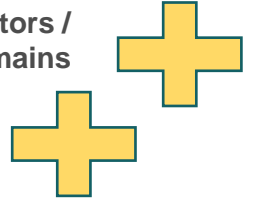


Skills



EOSC

+ other sectors / domains



High Value Datasets from public sector

- Driven by stakeholders
- Rich pool of data of varying degree of openness
- Sectoral data governance (contracts, licenses, access rights, usage rights)
- Technical tools for data pooling and sharing

Data Spaces Support Centre (dssc.eu)

- Coordinating the development of data spaces
- Assuring common standards and interoperability

Technical infrastructure for data spaces



Edge & cloud Services

Smart
Middleware
solutions
(Simpl)

Marketplace

High-Performance
Computing

AI on demand
platform

AI Testing and
Experimentation
Facilities



Data Spaces are not data lakes! They look more like fish markets

A data space can be defined as a federated data ecosystem based on shared policies and rules. The users of such data spaces are enabled to access data in a secure, transparent, trusted, easy and unified fashion.

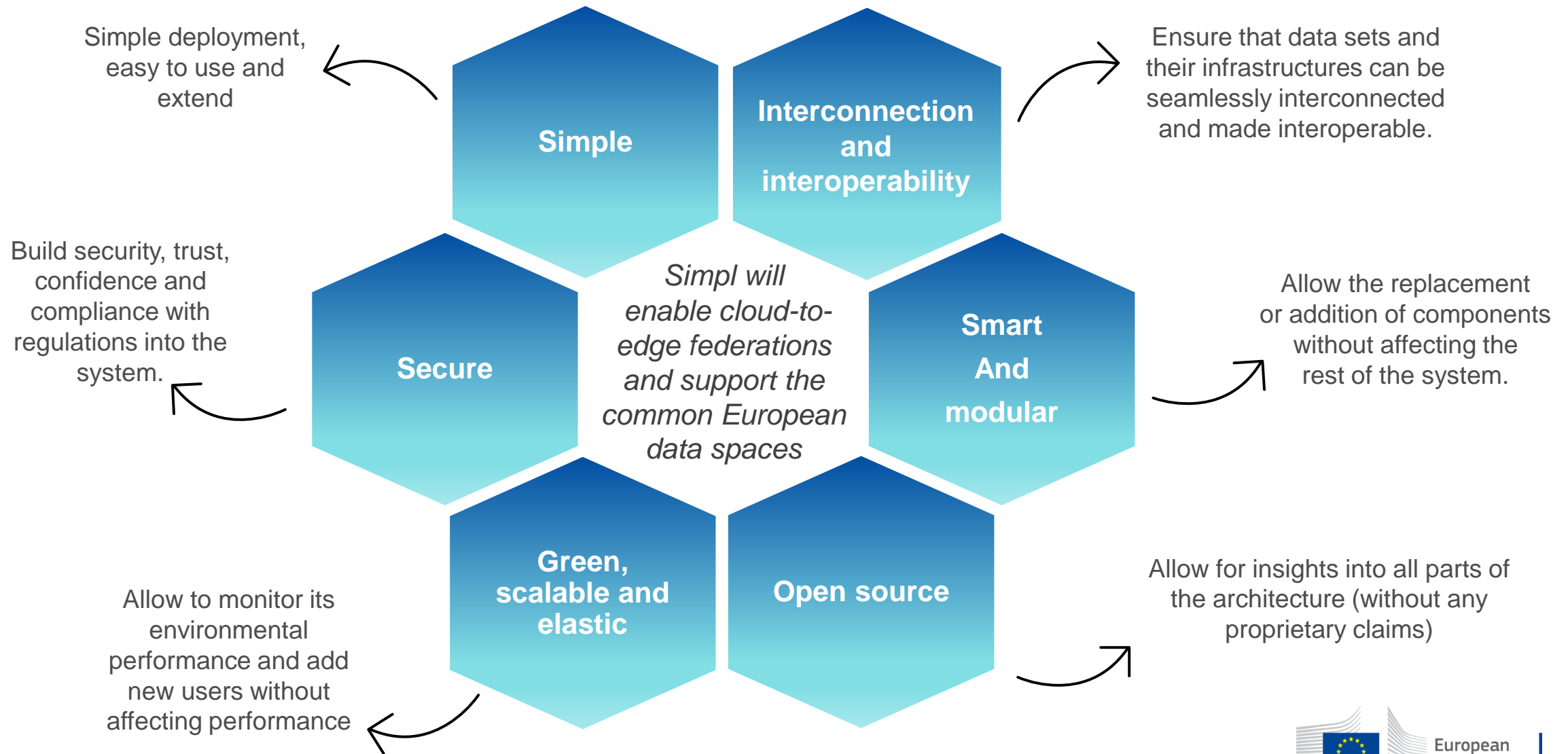
Data holders are in control of who can have access to their data, for which purpose and under which conditions it can be used.

From a technical perspective, a data space can be seen as a data integration concept which does not require common database schemas and physical data integration, but is rather based on distributed data stores and integration on an “as needed” basis.

Role EC in supporting the creation of data spaces



Offer a technical solution – Simpl Smart Middleware



OVERALL MISSION

- Create a **network of stakeholders** and **community of practice**
- Provide tools to address **organisational and technical matters** required for every data space
- This includes a **blueprint, building blocks**, best practices, common standards, reference implementations and identification of **data governance models**
- Provide **support** and enable data spaces to focus on their domain-specific business challenges
- Enable data spaces to reach a higher flight level faster: **quick start** and an **accelerated scale-up**

SPECIAL FOCUS ON INTEROPERABILITY

- Ensure that participants of one data space can also **participate in other** European data spaces
- Can only be achieved if data spaces conform to certain **standards**, which will be part of the DSSC blueprint

GENERAL

- Create **economies of scale** and **synergies** on a European level for the development of common European data spaces

Common European data space actors

Data Spaces Support Centre (DSSC)

- **coordination of all relevant actions** on sectoral data spaces in Europe
- blueprint, best practices, common standards, support activities and knowledge transfer
- funded by the DIGITAL Europe Programme

Data Space Coordination and Support Actions (CSAs)

- for **sectoral/domain-specific** data spaces
- community of practice, priority datasets, stakeholder engagement, governance/business models, roadmap
- funded by the DIGITAL Europe Programme

European Data Innovation Board (EDIB)

- Consultative and advisory body established by the Data Governance Act, to be set up in September 2023
- **guidelines** for interoperability of common European data spaces

Thank you for your attention



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[EU Spotify](https://www.spotify.com/EU_Spotify)



[European Commission](https://www.linkedin.com/European Commission)

The state of play of the public procurement data space (PPDS)

Marc-Christopher Schmidt





Public Procurement Data Space (PPDS)

European data spaces for public administrations
and the role of data.europa.eu

June 2023

*Every year in the EU, over 250 000 public authorities spend around **EUR 2 trillion** (around 13,6 % of GDP) on the purchase of services, works and supplies...*

*...However, data from **only 20 % of all procurement procedures** by public buyers are available and searchable for analysis in one place.*

*The remaining **80 % are spread**, in different formats, at national or regional level and difficult or impossible to re-use for policy, transparency and better spending purposes*

PPDS Impact

The **project success** will be marked by the **implementation and escalation of the PPDS**. The long-term objective is that the PPDS becomes the 'de facto' **data access point for all procurement data in the EU**. Achieving an optimal development of PPDS will depend to a large extent on the participation and collaboration of stakeholders.

Policy makers

Use of the PPDS to analyse the functioning of the public procurement market and produce evidence-based policy-making in the area of procurement

Companies

Have an easy-to-use portal that gives them access to a much greater number of procurement information with better data quality

NGO/Academia/Journalists

Use the PPDS data for research and investigation purposes



Public buyers

Acquire the most comprehensive knowledge base of procurement all around Europe (and beyond)

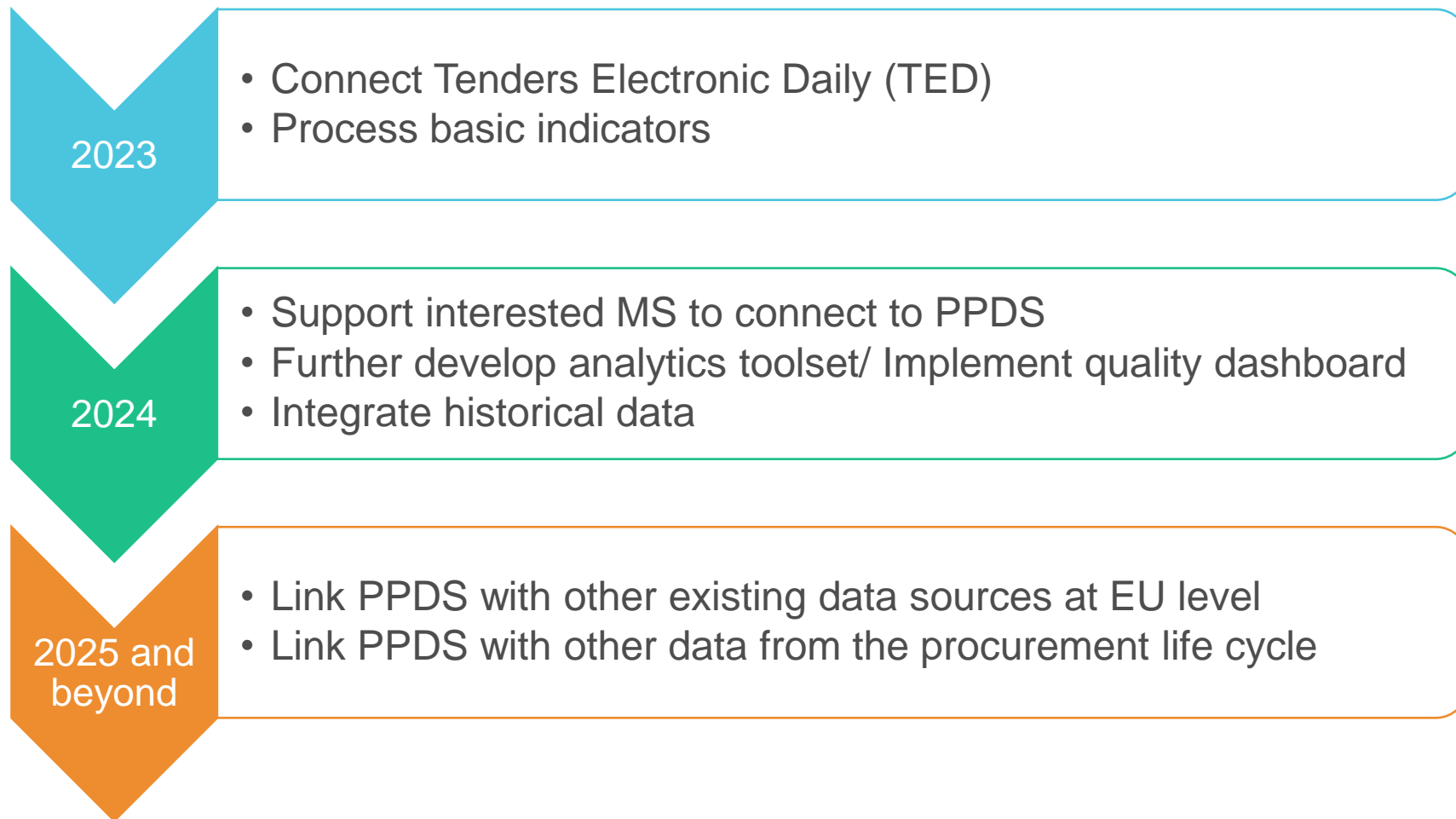
Service providers

Use of the PPDS to create value based on the public procurement data

Citizens

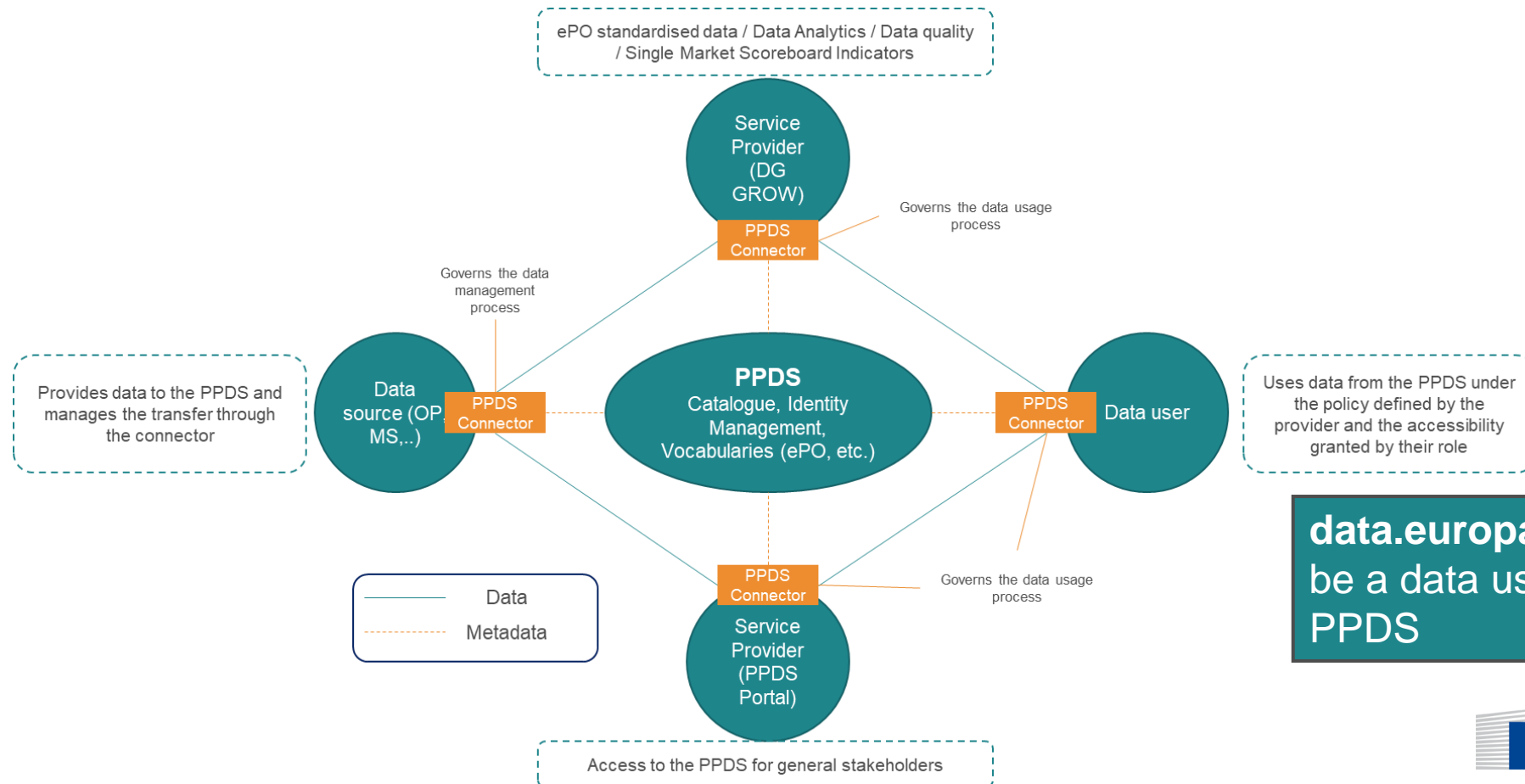
Benefit from increased transparency on public spending from public administrations

Roadmap



High-level Architecture

The Public Procurement Data Space will allow the **interactivity of different types of users** who will act as **providers or consumers of data**. The PPDS architecture will envisage these interdependencies, providing a **single-access point** to public procurement data for every user.



II

(Information)

INFORMATION FROM EUROPEAN UNION INSTITUTIONS, BODIES, OFFICES
AND AGENCIES

EUROPEAN COMMISSION

COMMUNICATION FROM THE COMMISSION

**Public Procurement: A data space to improve public spending, boost data-driven policy-making and
improve access to tenders for SMEs**

(2023/C 98 I/01)

1. Introducing the European public procurement data space

Every year in the EU, over 250 000 public authorities spend around EUR 2 trillion (around 13,6 % of GDP) on the purchase of services, works and supplies. From new roads to tablets for pupils or equipment for hospitals: Public authorities are the main buyers in many key sectors such as energy, transport, infrastructure, waste management, social protection, health, defence and education services.

By making the right purchasing choices, the public sector can boost jobs, growth, and investment in Europe and create a more innovative, competitive, energy-efficient, and socially inclusive economy. This can support key policies at national and EU level, such the recovery from the pandemic, the twin transitions, the strategic autonomy of the EU and its digital leadership.

To unlock the full potential of public procurement, access to data and the ability to analyse it are essential. However, data from only 20 % of all call for tenders as submitted by public buyers is available and searchable for analysis in one place. The remaining 80 % are spread, in different formats, at national or regional level and difficult or impossible to re-use for policy, transparency and better spending purposes. In other words, public procurement is rich in data, but poor in making it work for taxpayers, policy makers and public buyers.

The Commission's public procurement data initiative aims to harness the power of data available throughout the EU thanks to a Public Procurement Data Space (hereafter: PPDS), one of the first common EU data spaces in a specific area to emerge from the EU strategy for data ⁽¹⁾.

This data space will revolutionise the access to and use of public procurement data:

- It will create a platform at EU level to access for the first time public procurement data scattered so far at EU, national and regional level.
- It will considerably improve data quality, availability and completeness, through close cooperation between the Commission and Member States and the introduction of the new eForms ⁽²⁾, which will allow public buyers to provide information in a more structured way.

⁽¹⁾ A European strategy for data, COM (2020) 66 final, Brussels, 19.2.2020.

⁽²⁾ Commission Implementing Regulation (EU) 2019/1780 establishing standard forms for the publication of notices in the field of public procurement and repealing Implementing Regulation (EU) 2015/1986, published on 25 October 2019. The Regulation and the extended version of its annex in the Excel file can be found here <https://ec.europa.eu/docroom/documents/38172>. eForms will replace the current Standard Forms (see Commission Implementing Regulation (EU) No 2015/1986, published on 11 November 2015 (<https://simap.ted.europa.eu/standard-forms-for-public-procurement>)).

PPDS Communication

The PPDS initiative has been formalised through a Communication from the Commission that depicts the way forward, including an identification of use cases, relevant stakeholders and a roadmap of actions

[Link to the communication](#)

Thank you.

Contact us

EC-PPDS@ec.europa.eu

Data Spaces Support Centre and EU-funded data spaces

Marta Pont Guixa



DSSC and the EU-funded data spaces

June 2023 – Marta Pont Guixa

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

Content

- 1/ Project context
- 2/ Goals and areas of work
- 3/ Target stakeholders
- 4/ Main assets developed

Project context



Create a Support Centre to **operationalise the European Strategy for Data** by fostering and coordinating the **development of common data spaces** through the definition of requirements, technologies, processes, standards and tools assuring interoperability and allowing the reuse of data across sectors.



European Commission, DG CONNECT (Unit G1 – Data Policy and Innovation)



Funded under Digital Europe Programme: EUR 14 million



42 months (Oct 2022 – March 2026)



12 project partners
(RTOs, data-focused associations & businesses)

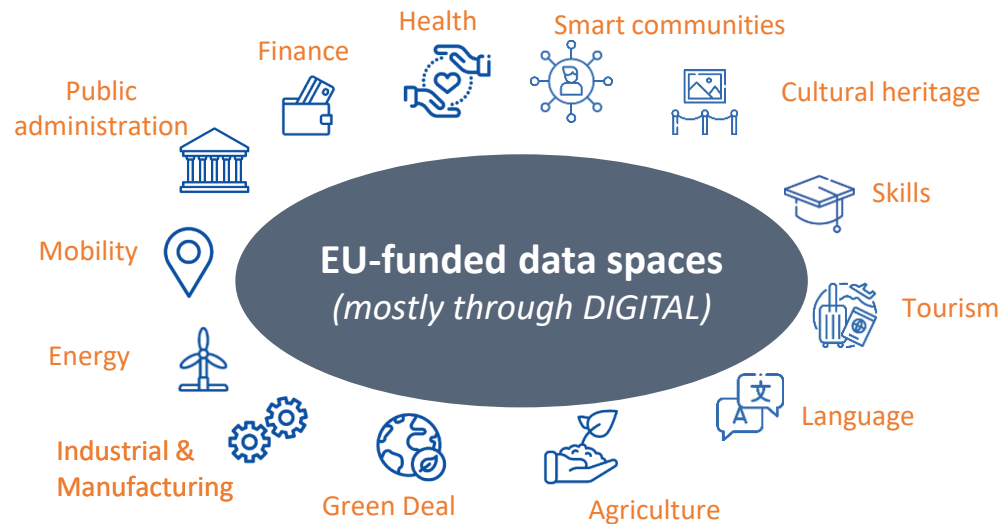


Underlying Strategy

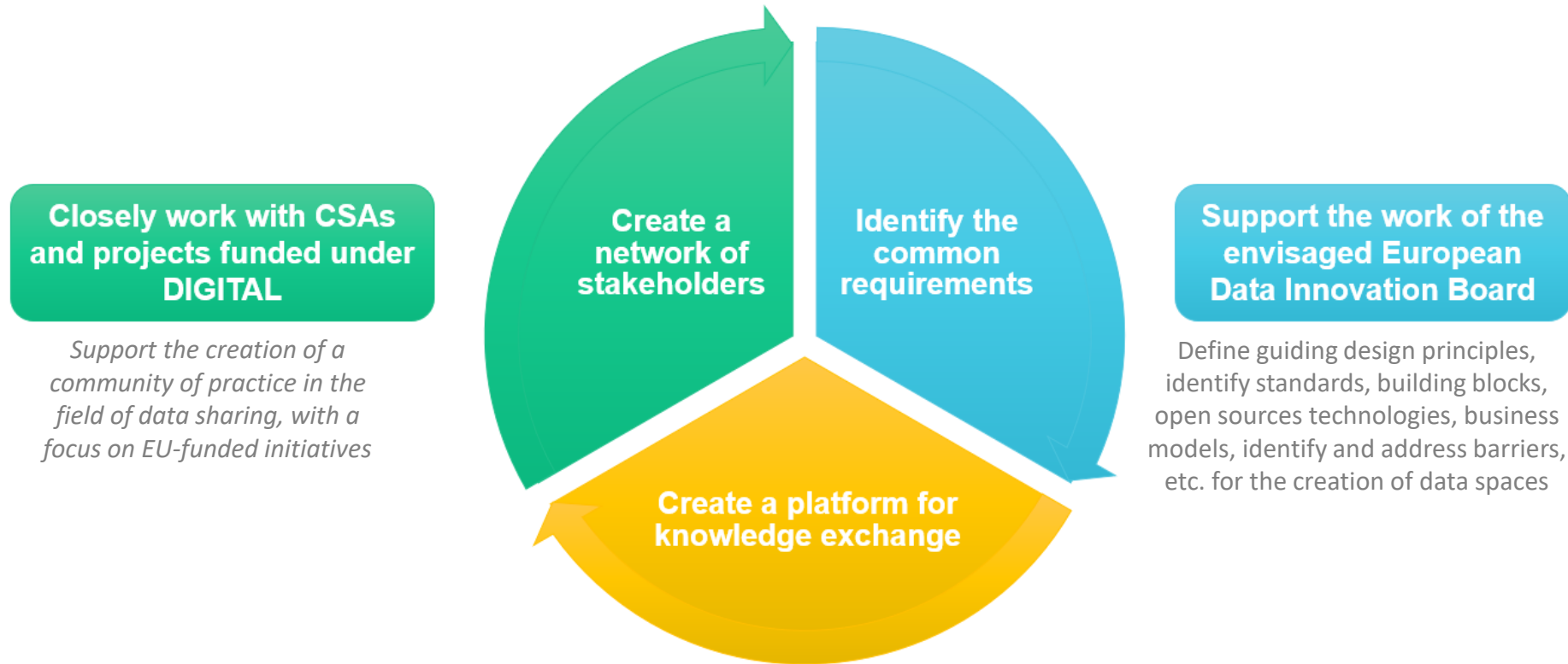
European Strategy for Data (2020): “The Commission intends to fund the establishment of **EU-wide common, interoperable data spaces** in strategic sectors. Such spaces aim at overcoming legal and technical barriers to data sharing across organizations|”

Data spaces...?

“An infrastructure enabling data transactions between different data ecosystem parties based on the governance framework of that data space. A data space should be generic enough to support the implementation of multiple use cases” (DSSC Starter Kit)



Data Spaces Support Centre Goals



[Source: EC, DG Connect]

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

Offer and promote the use of common architecture, test, approve and make available solutions, publish good practices, give access to model contract clauses, provide advice, etc.

DS initiatives engaged – CoP as primary target



- » Agriculture
- » Cultural heritage
- » Energy
- » Green Deal
- » Health
- » Language
- » Manufacturing
- » Mobility
- » Skills
- » Smart communities
- » Tourism



Language Data Space (LDS)



Who? Group of people and organisations working together to develop and implement data space initiatives in various sectors, central to the co-creation of DSSC assets.

How many? 17 engaged initiatives in 11 sectors, including preparatory and deployment actions funded by DIGITAL & H2020

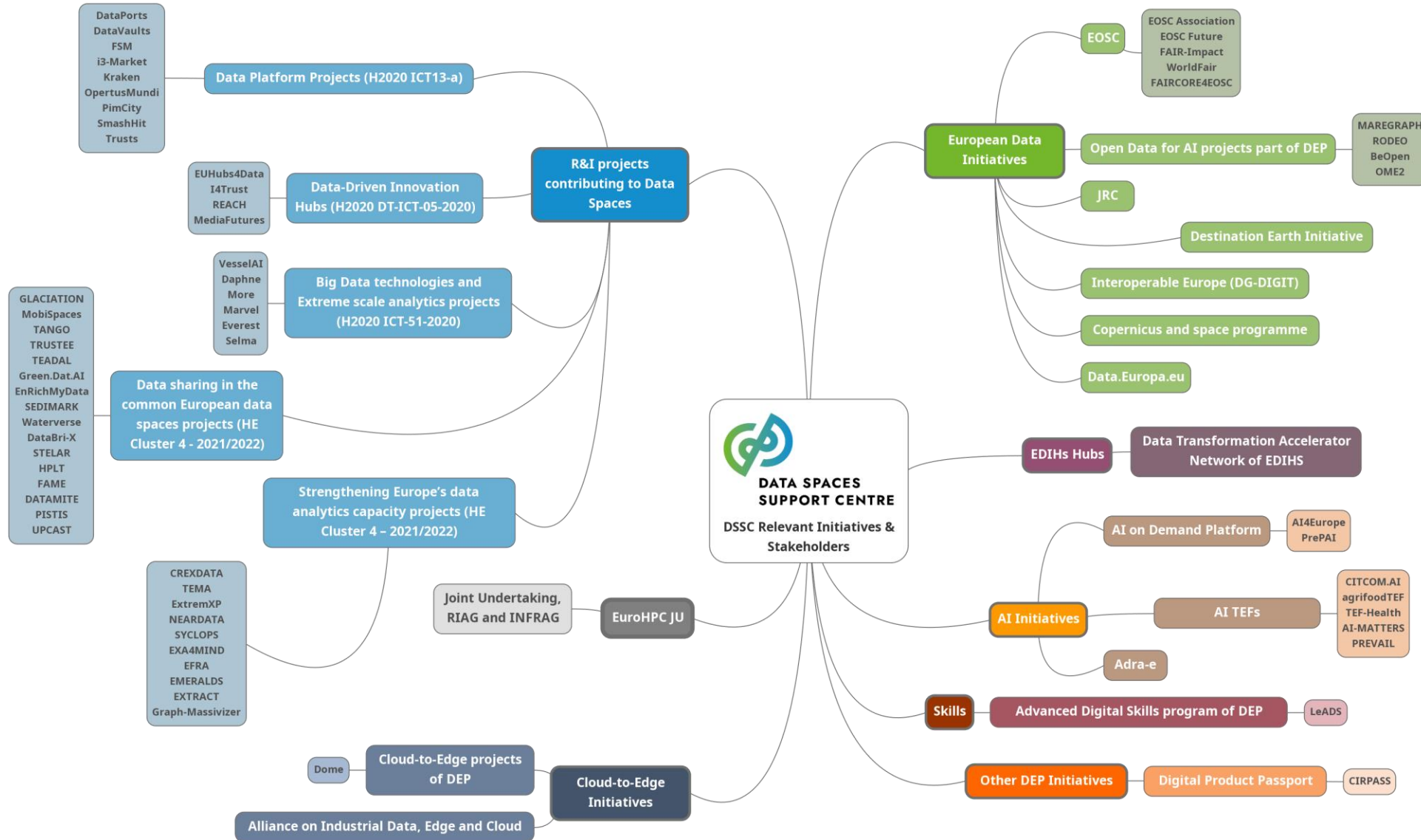
Activities

- Monthly community meetings
- Co-creation workshops and meetings (*inventories, legal and governance, glossary, business models ...*)
- Regular interaction with DSSC's Relationship Managers

In the future

- Growth: Expanding the community with additional data spaces initiatives and building block implementers (e.g. SIMPL)
- Collaboration: More co-creation and sensemaking activities
- Visibility: Mapping initiatives in the DSSC Radar

Collaboration with other EU initiatives



**DATA SPACES
SUPPORT CENTRE**

Done so far...

- ✓ 70 engaged Initiatives
- 🗺️ 17 Workshops
- 📋 3 surveys conducted

Coming up ...

Growth: Standardisation Bodies and Organisations, National initiatives, Policy makers, International initiatives, Hubs, continue enlarging the network...

Collaboration: Engagement and alignment

Main assets being developed



| Asset name | Purpose and description | Timeline |
|---|---|---|
| DSSC glossary | Support smooth information sharing and co-development between the different data space initiatives and people involved in DSSC through a common vocabulary and concepts. | <i>First release in March 2023 (regular updates)</i> |
| Starter kit | Entry point to assist individuals or organisations who want to establish or take part in a data space, in understanding the requirements for creating a data space and providing access to a resource inventory for guidance and support. | <i>First release in March 2023 (regular updates)</i> |
| Standards and technology landscape | Mapping of available standards and technologies suitable to implement the identified building blocks, co-created with CoP, thematic groups and expert groups. | <i>Publication on DSSC website by end September</i> |
| Catalogue of building blocks | Collection existing components (1- business, governance & legal and 2- technical) & creation of new ones to support the functionality of a data space. | <i>September 2023</i> |
| Data Spaces Blueprint | Comprehensive set of guidelines to support the implementation, deployment and maintenance of DS. It will contain: conceptual model of DS, building blocks and recommended selection of standards and specifications. | <i>Public consultation in August, first version 0.5 in September</i> |
| Maturity Model & Data Spaces Radar | Tools to measure and give visibility to the technical, functional, operational, business and legal capabilities of data spaces. | <i>Fall 2023</i> |
| Evaluation of data space initiatives | Yearly appraisal of the socioeconomic benefits/outcomes yielded by EU-funded data space initiatives with the purpose of informing the EC on use of public funding, provide DS on insights and foster peer learning. | <i>Release of ex-ante report by mid-June 2023</i> |
| Data Spaces Support Platform | Web-based platform to host, grow and curate discussions related to data spaces and providing access to a knowledge base including project assets. | <i>Released in March 2023, publication of knowledge base in September</i> |

Thank you

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

Panel discussion

Place your questions in the chat!



Stay up-to-date on our
2023 activities!

The logo for Data Europa Academy is located in the bottom left corner. It consists of the words "data.", "europa", and "academy" stacked vertically in a white, lowercase, sans-serif font. The word "data." has a small yellow dot above the 'a'. The word "europa" has a small yellow dot above the 'o'. The word "academy" has a small yellow dot above the 'a'. The logo is set against a dark blue circular background that is part of a larger graphic design of overlapping circles in various shades of blue.

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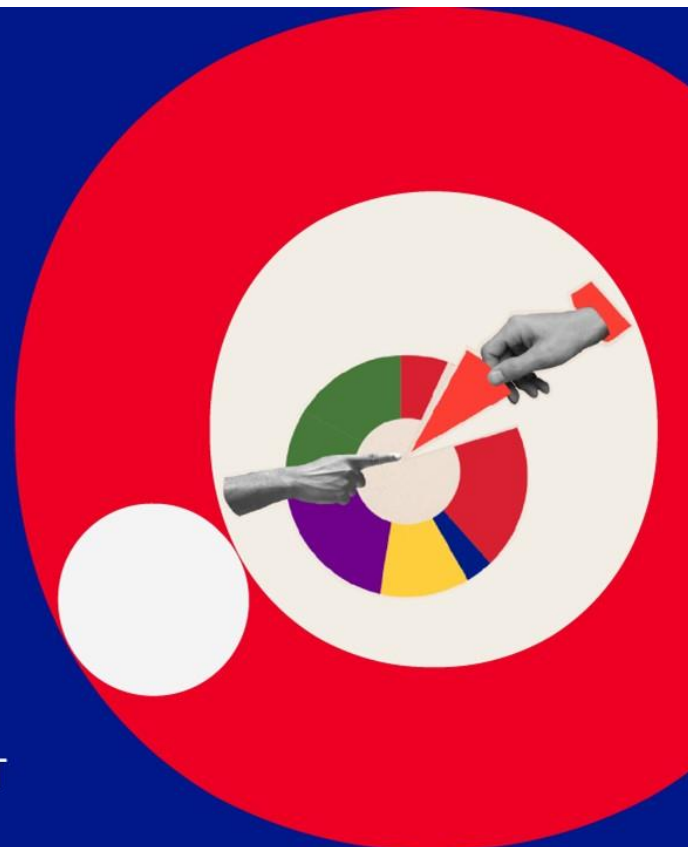
WEBINAR

Stories of use cases:
Open data to make
Europe fit for the
digital age

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30 June 2023

10.00 — 11.30 CET



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Thank you

