

Key insights and latest developments in Smart and Sustainable urban Communities

DS4SSCC.eu

Permanent Representation of Slovenia to the EU

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European data space
for smart communities





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Why *Data Spaces*

- Who knows how many tourists are staying in your city?

Booking.com

 **airbnb**



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Why *Data Spaces*

- Who knows how many tourists are staying in your city?
- Who knows what capacity your electrical grid is operating at?

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Why *Data Spaces*

- Who knows how many tourists are staying in your city?
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- Who knows how end-to-end public transportation is performing in your city?

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Why *Data Spaces*

- Who knows how many tourists are staying in your city?
- Who knows what capacity your electrical grid is operating at?
- Who knows how end-to-end public transportation is performing in your city?
- Who knows how much families earn in which district?

Booking.com

 **airbnb**

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Why *Data Spaces*

What is the problem?

- Lack of incentive for data sharing
- Fragmentation of data holders
 - private sector
 - public sector
 - intercomunal organisations
 - citizens
 - research institutions
- Lack of Trust
- Interoperability issues across systems



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Data Spaces Legislative Framework



2020:
EU Strategy for Data

a single market for data: legislative measures on data governance, access and reuse; opening up high-value publicly held datasets; access to cloud services



2021:
Digital Decade

policy-programme, targets & objectives, rights & principles, multi-country projects



2023:
Data Governance Act

trust; mechanisms; setup and development of Common European Data Spaces in strategic domains, involving both private and public players



2025:
Data Act

who can use **what** data and under **which** conditions, chapter VIII: Interoperability



2026:
Digital Omnibus

streamline digital legislation

What is a Data Space

“Interoperable framework, based on common governance principles, standards, practices and enabling services, that enables trusted data transactions between participants”.

DSSC

“Sectoral or cross-sectoral frameworks designed to facilitate secure, sovereign and value-driven data sharing and collaboration across the European Union (EU).”

EC



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Common European Data Spaces



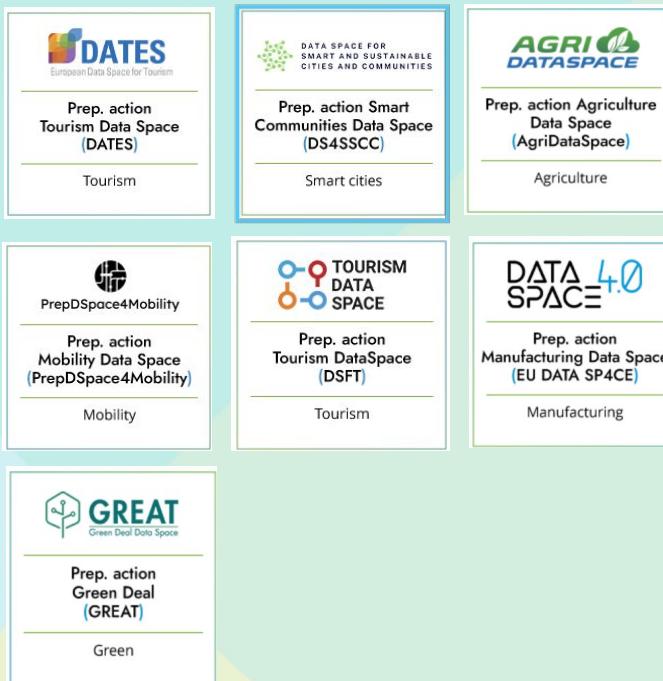
Common European Data Spaces



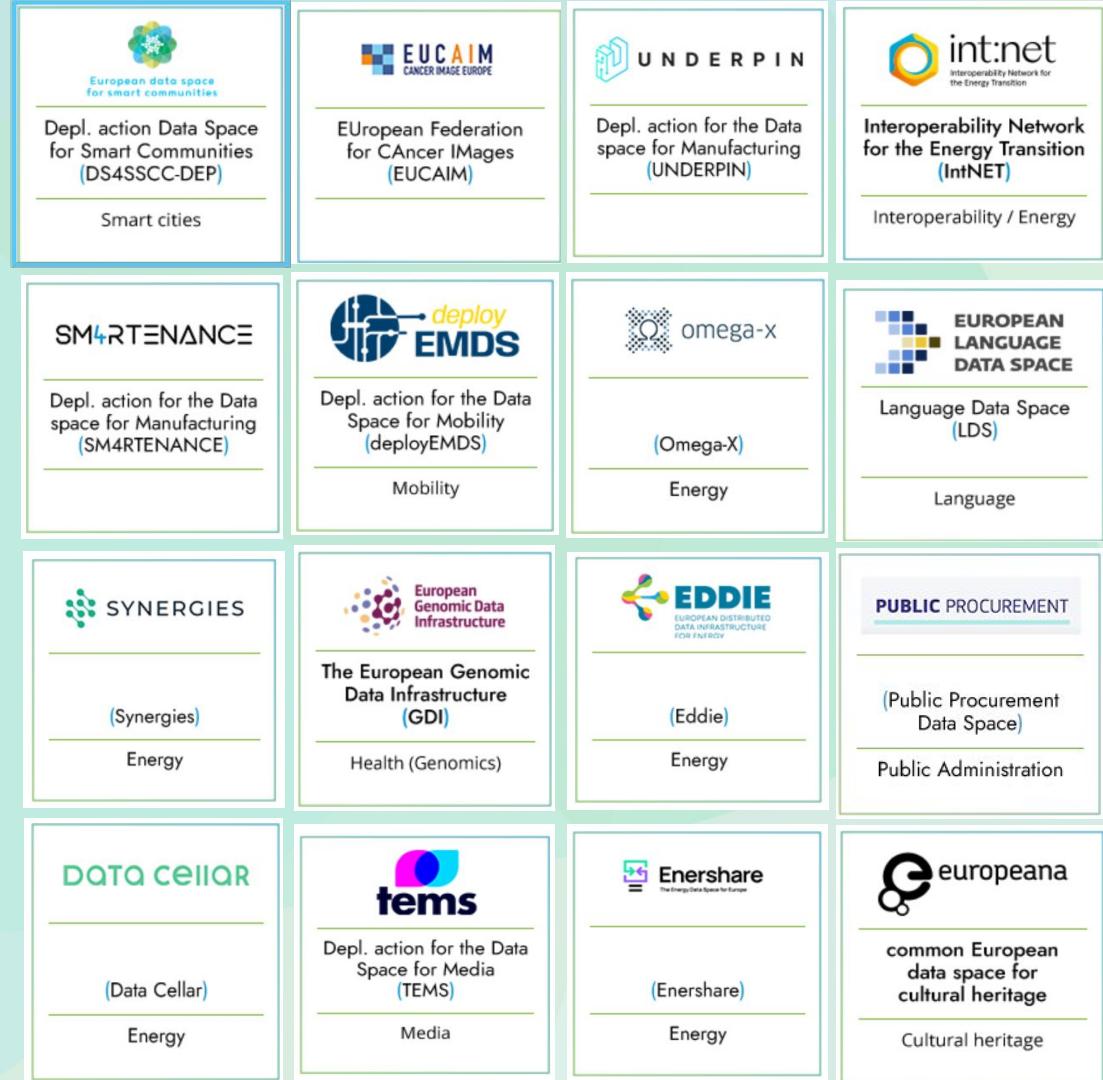
European Data Space for Smart and Sustainable Cities and Communities (DS4SSCC)

Common European Data Spaces

	Agriculture
	Cultural heritage
	Energy
	Financial
	Green deal data space Smart cities and communities
	European Health Data Space Cancer images Genomics
	Language
	Industrial (manufacturing)
	Media
	Mobility
	Legal Public procurement Security for innovation Once Only Technical System
	Skills
	Research & Innovation- EOSC
	Tourism



[Source and info on all data space projects](#)



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Why a *Data Space for Cities and Communities*?



A local government wants to create a data-driven **service** to benefit their citizens.



The service requires data sets from different sectors: interoperability, security, contracts....



Leverage a local Data Space



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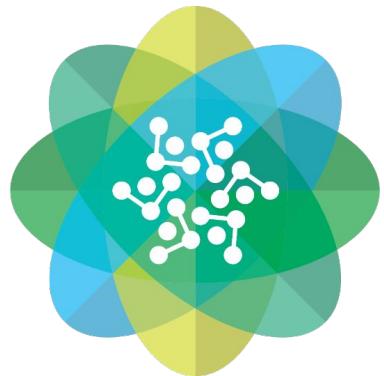
Why a *Data Space for Cities and Communities*?

Expected benefits

- Growth of the European data market (€723B by 2030, 5.2% of EU GDP) ([source](#))
- Easier access to qualitative data for SMEs (AI, ...)
- Better provisioning of local services for citizens
- Increased resilience of cities and communities
- Increased data sovereignty



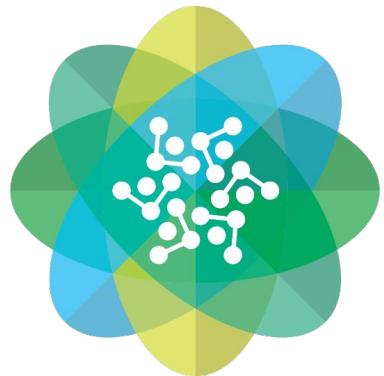
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European data space for smart communities



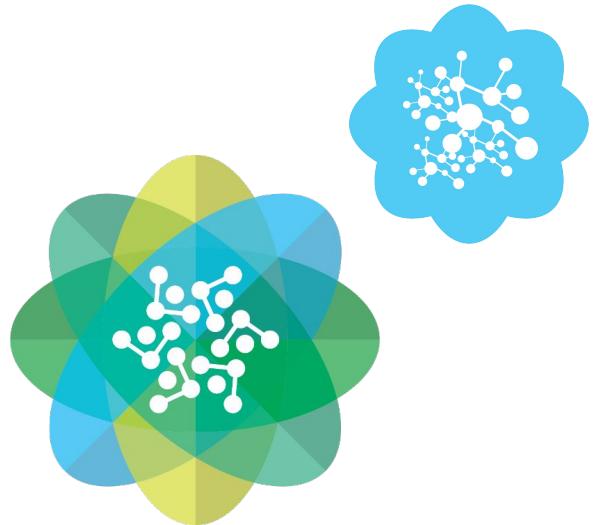
Co-funded by
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€ 15 million awarded to pilots



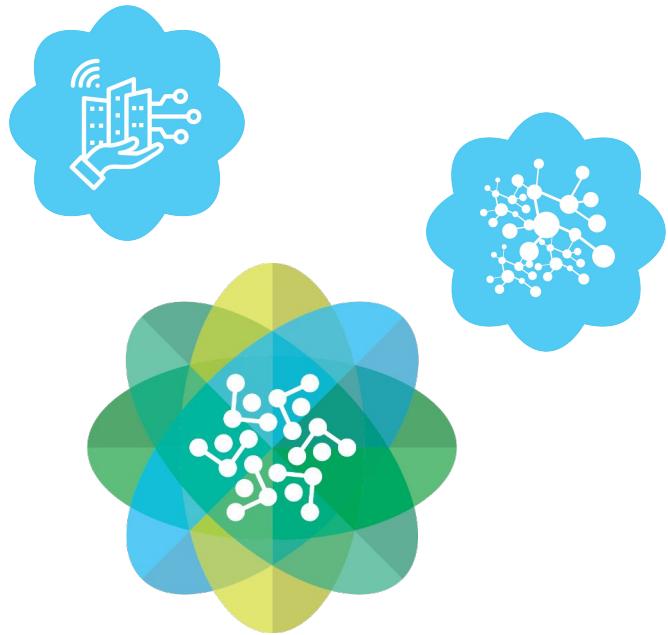
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That bootstrap the EU Data Space for
Smart Cities and Communities



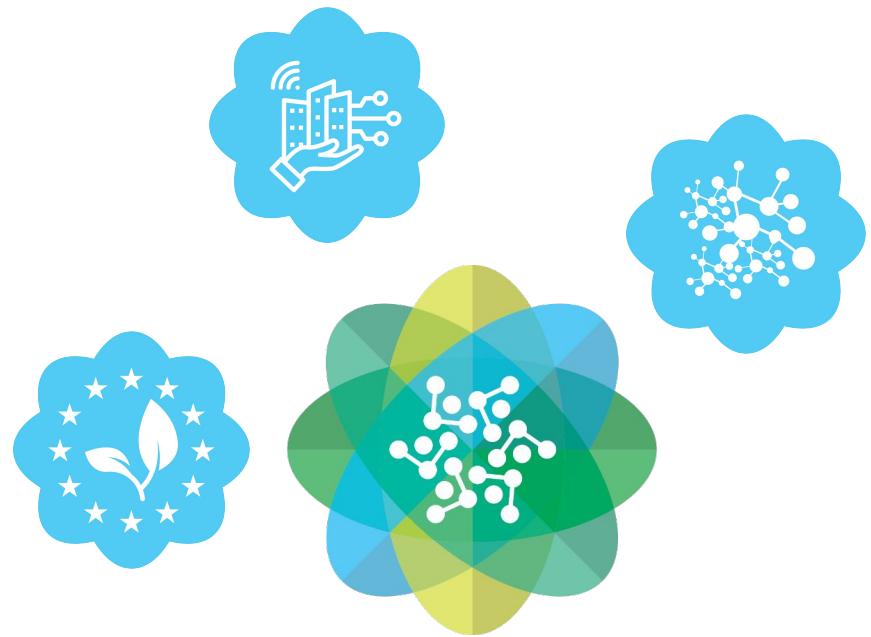
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That are on the **forefront** of digital innovation



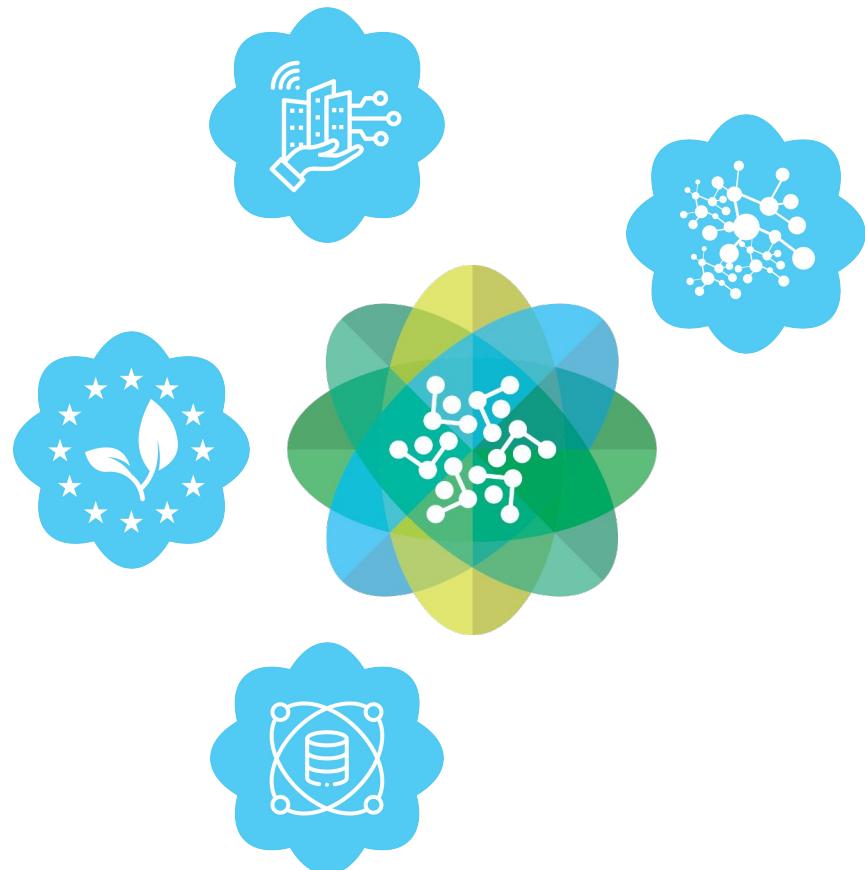
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That contribute to the EU's
Green Deal objectives



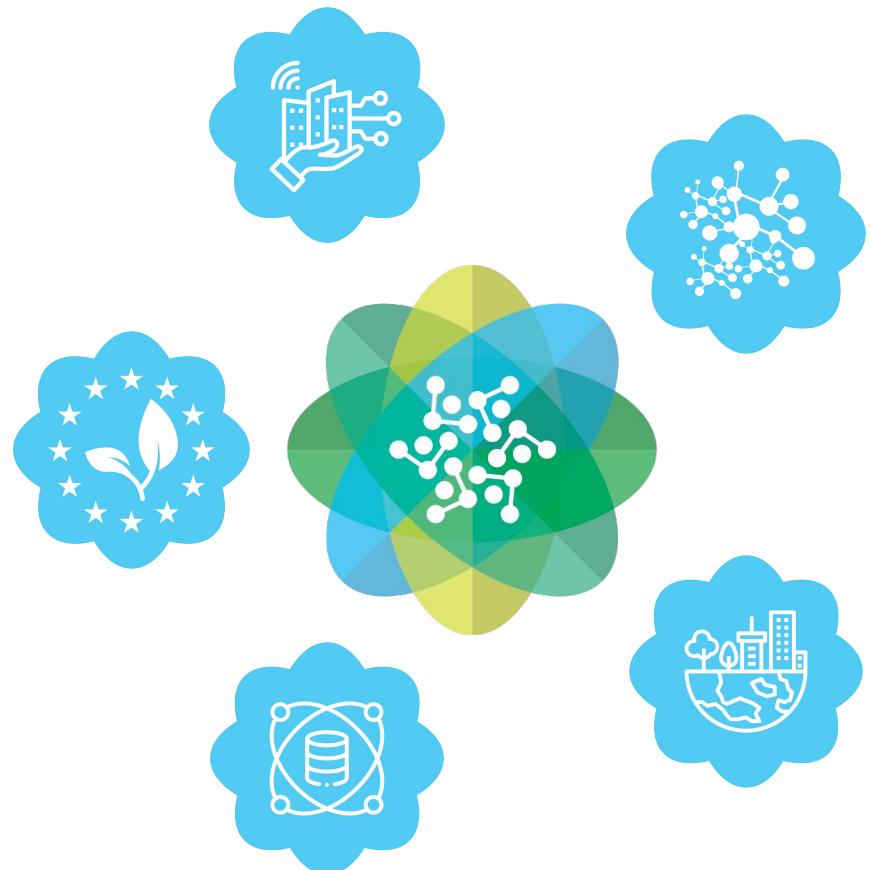
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That implement and drive the
Blueprint for European Data Spaces



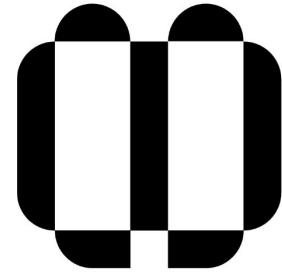
Co-funded by
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That are leading examples of **smart**
and **sustainable** urban development



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UrbanMind

- Close collaboration between Kranj and Pula
- Creation of an extendible Data Space platform
- Valuable & realistic Use Case & sustainability targets
- Cross-sector and cross-country collaboration



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Challenges

- Proliferation of technical solutions (e.g. Data Space Connectors)
- Semantic interoperability
- Critical mass of local data spaces
- Value proposition of data spaces towards public and private sector actors



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Challenges and solutions

DS4SSCC Solutions:

- Creation of a **federated** European Data Space
- Development of a **blueprint** for public sector participants
- Development of **interoperability mechanisms** (mims.oascities.org)

Future opportunities:

- Support for the creation of Local Digital Twins (ldt4ssc.eu) (call for pilots)
- A European Digital Infrastructure Consortium (EDIC) for sustainable infrastructure



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