European Data Space for Smart Communities

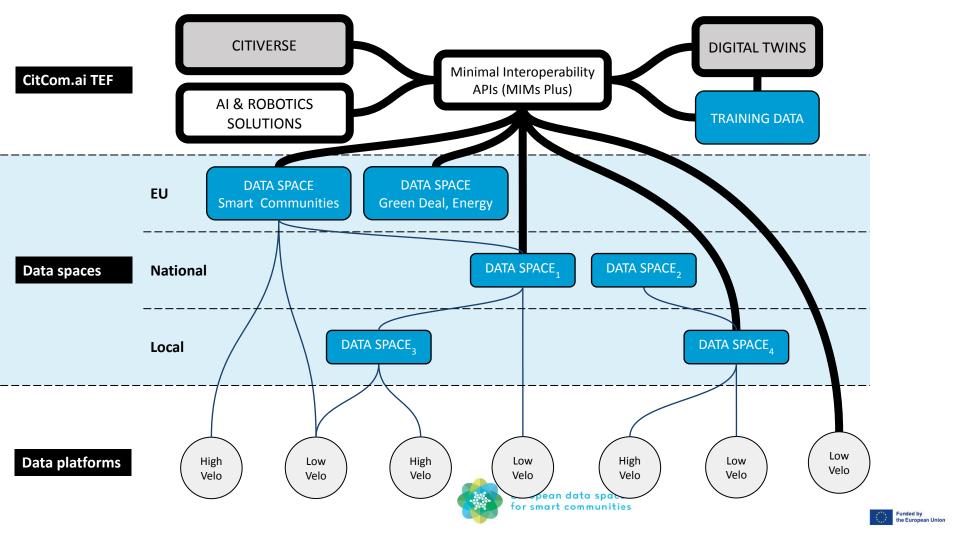
From preparatory action to deployment

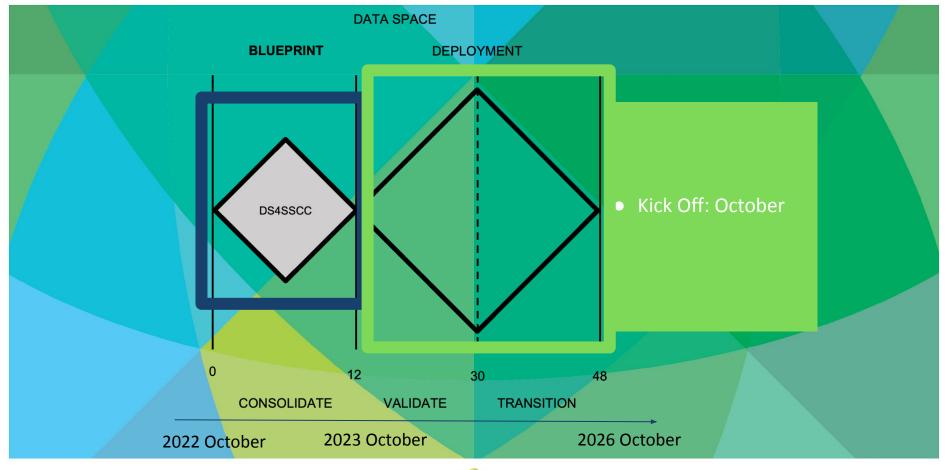
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17.01.2024













The Blueprint

Non-Technical Blueprint

- Multi-stakeholder data governance scheme
 - Business (to be further developed)
 - Legal (see Code of Conduct)
 - Organisational (see Code of Conduct)
- Developing a mutli-stakeholder data cooperation for DS4SSCC

Technical Blueprint

- Catalogue of Data Space Building Block Specifications
- Reference Architecture Model
- CookBook

Roadmap to deploy a data space





Multi-stakeholder Governance Scheme

Why

Vision & principles

Scope & Goals

Incentives

What

Types of Data

Data Quality

Who

Stakeholders

Roles

How

Business Models

Governance Rules

Legal Frameworks

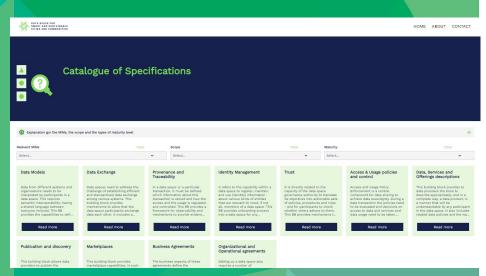
Create win-win situations and incentives for stakeholders





Catalogue of Specifications

- Leverage on DSSC Building Blocks taxonomy
- Aligned with Data Spaces Business Alliance (DSBA)
- Mapped to Minimal Interoperable Mechanisms (MIMs)
- Open for contributions, both standards and reference implementations

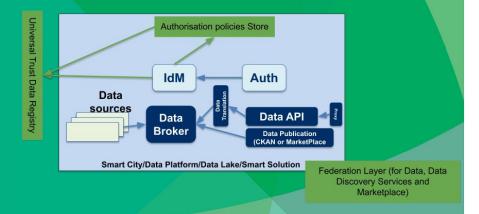






Reference Architecture (high level)

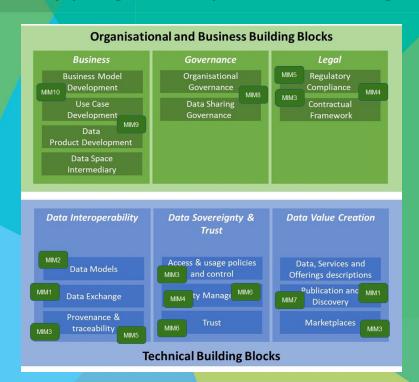
- Use case agnostic
- Extension of existing smart city/data platforms
- Evolution of brownfield/digital twin scenarios







Mapping data spaces building blocks with MIMs



МІМ	Description
MIM1	Context Information Management
MIM2	Shared Data Models
MIM3	Ecosystem Transactions Management
MIM4	Personal Data Management
MIM5	Fair Artificial Intelligence
MIM6	Security management
MIM7	Geospatial information management
MIM8	Ecosystem indicator management
MIM9	Data Analytics Management
MIM10	Resource Impact Assessment

DS4SSCC Building Blocks are the "mechanisms" for implementing the MIMs



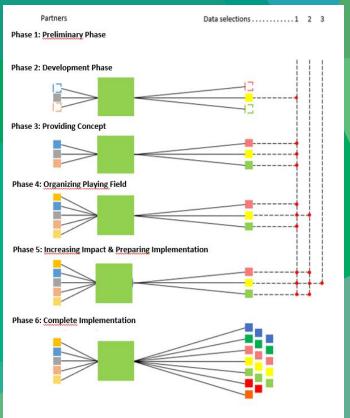
















The Tools Available

Data Cooperation
Canvas

- At a glance overview
- Developed together with the city of Amsterdam
- Available @ www.ds4sscc.eu & www.datacooperationca nvas.eu

Online Navigable Tool

- No need to read lengthy documents; navigate through the content
- Available on the website

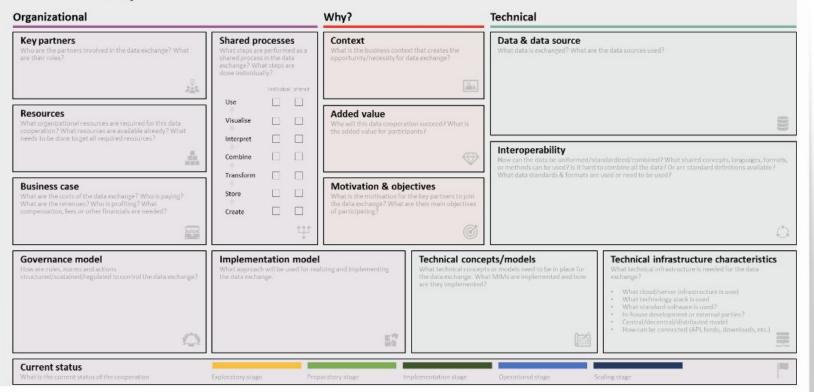
Cheat Sheet

- A checklist for data space deployment
- Covers the governance, data value and technical infrastructure milestones





The Data Cooperation Canvas



The Data Cooperation Canvas



Funded by the European Union

for smart communities

The DS4SSCC Activities

- Data collection
- Validation
- Knowledge-sharing











Project Updates

Best-practices

Presentations

To Define the Data Space for Smart communities

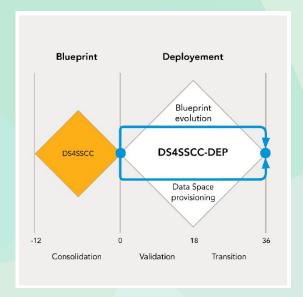
- governance scheme,
- catalogue of specifications,
- roadmap,
- capacity building





Blueprint Evolution and Data Space Provisioning

- The Deployment is co-funded by the Digital Europe Programme
- The aim is to create a large-scale cross-sectorial data space for smart communities in the FU
- Validation of the blueprint developed by the preparatory action
- Means of validation:
 - 10-12 real use cases
 - Open call for pilots announcement
 - Cross sectorial pilots from at least 2 member states
 - 3 rounds of calls during 2024
 - Feedback from pilots to validate and develop blueprint







We invite you to learn more!

- Announcement of the call for pilots (Tomorrow from 13.30-15.30 in room 4 on the 6th floor)
 - Learn when to apply and about the support setup for pilots
- Online session on the 24th of January 10.00-12.00 CET
 - Information about the call for pilots
 - Meet the other interested parties online
- Join the Stakeholder Forum to get engaged!
 - Write to: elbkn@dtu.dk





Thank you for your attention

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