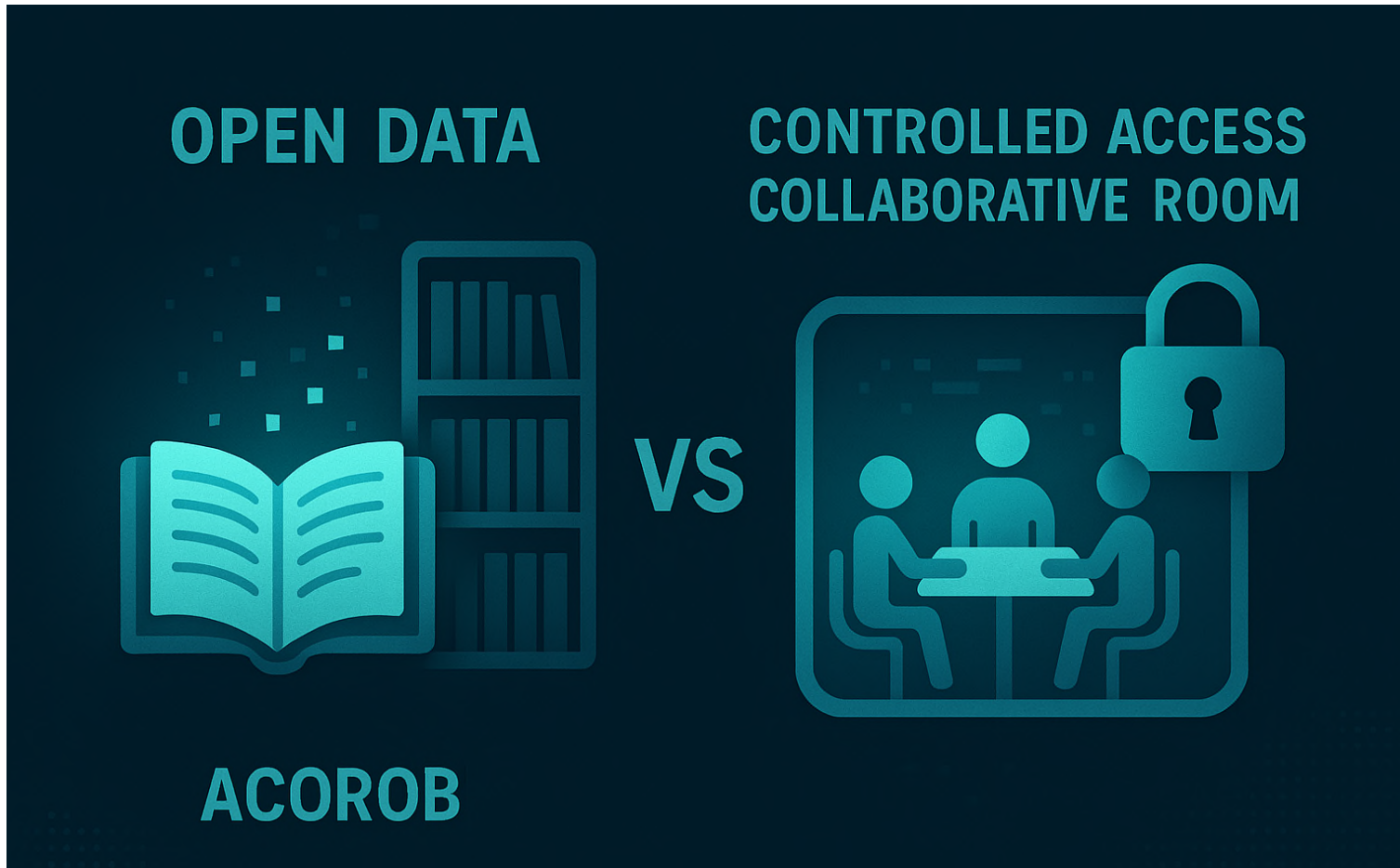


# DATA JOURNEY



## Step 2: Data Spaces



- Collaborative, governed environments
- Share sensitive/strategic data (mobility, health, energy, agriculture, crisis management and so on – links with priority Common European Data Spaces p and with European Data Space for Smart Communities
- Frameworks: Gaia-X, Data Spaces Support Centre
- Belgian Alliance: BDSA

# Why Data Spaces?

- Innovation through shared data
- Operational efficiency
- Cross-sector intelligence
- Trust & sovereignty



## BENEFITS OF DATA SPACES



INNOVATION



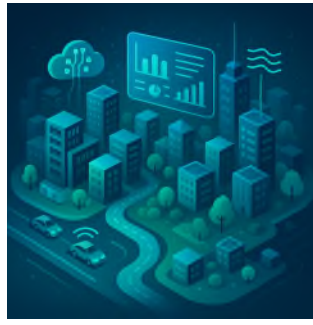
BETTER SERVICES  
& EFFICIENCY



SOVEREIGNTY



# Step 3: Local Digital Twins



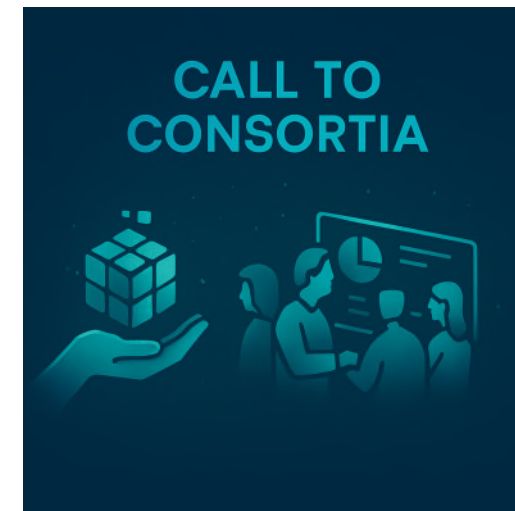
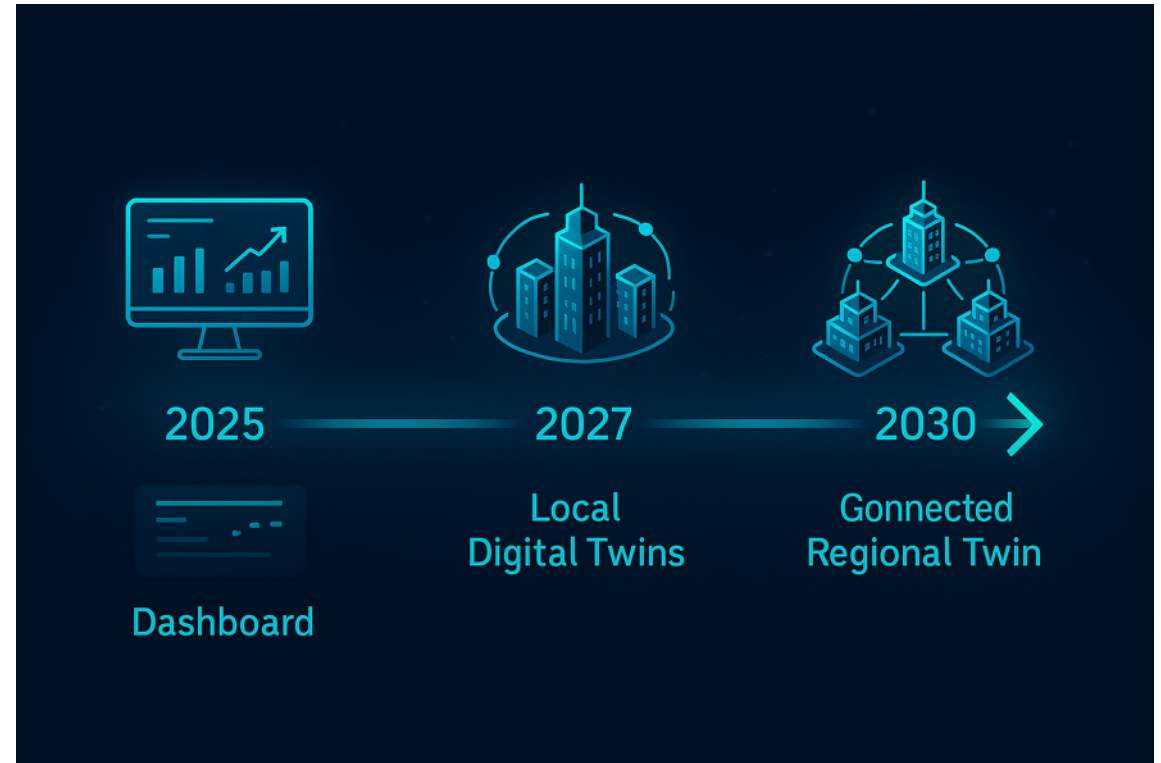
- Dynamic digital replica of a territory
- Real-time data: sensors, mobility, energy
- Simulation: flooding, planning, energy optimization
- Supports policymaking and engagement





# Digital Twins in Wallonia

- Digital Wallonia 2025-2029
- First pilots: water/energy/waste , mobility, crisis (floods), urban planification management
- Tech: 5G, LUCIA HPC, IoT
- Projects: IDELUX, IDETA, Namur, InBW/Province BW, Liège, Meuse-Condroz-Hesbaye + EU initiatives



# Conditions for Success

- Standardization (OSLO, CityGML, INSPIRE)
- Interoperability cyber, local cloud, HPC, quantum?)
- AI skills and algorithm ownership
- Strong governance (public-private-academic)
- Sovereign infrastructure (5-6G,)
- Citizen inclusion & open innovation
- Support from Digital Wallonia, SPW, EU

EU Funding (Horizon Europe, Digital Europe, Interreg, Smart Communities Data Space, CitiVerse and ?)  
& PPP Opportunities (consortia)

## Engaging with citizens and businesses through data in Ghent



## How it started

First steps towards open data in Ghent



## 2. The need for data ecosystems

From open data to data spaces





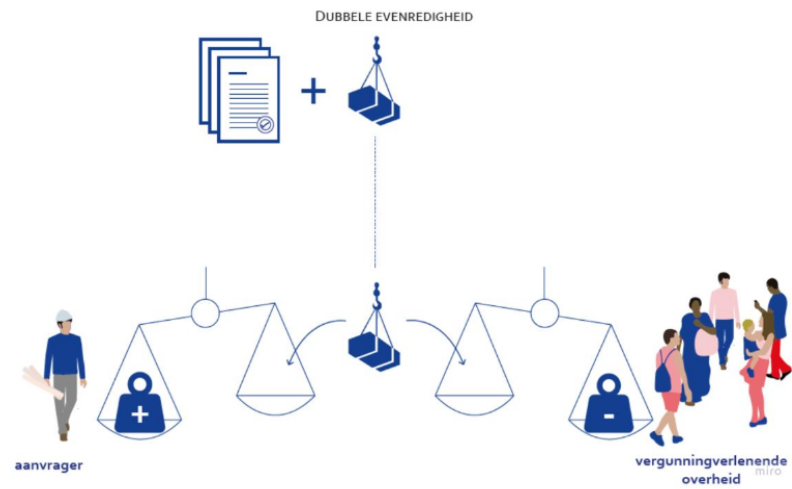
# Expectations





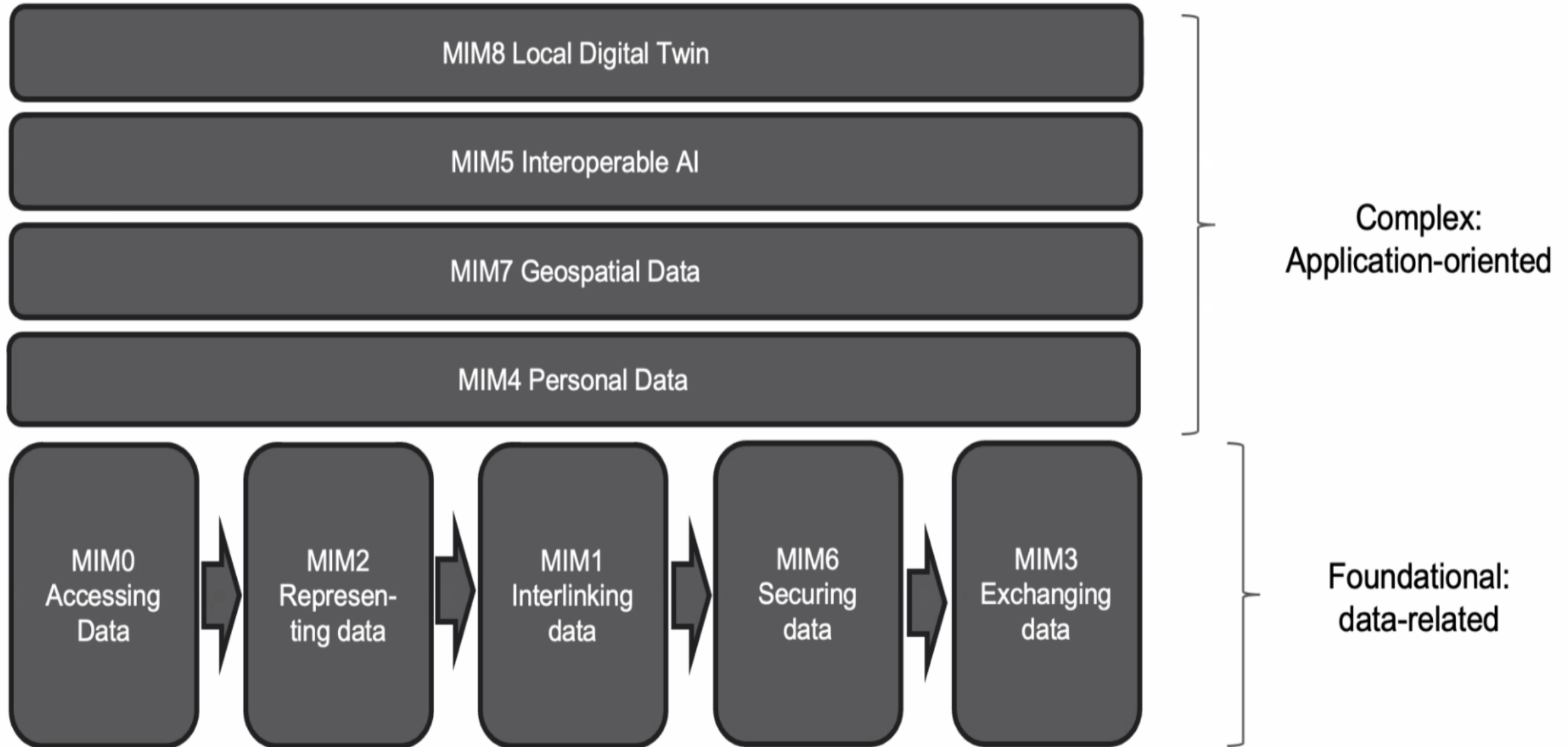
# Reality

Good urban development decisions require data, simulation, and participation





# MIMs (Plus) Framework 2025



# HOW CAN LOCAL AND REGIONAL AUTHORITIES WALK THROUGH THIS PATH TO THE DIGITAL DECADE?

## EVALUATE

### *A digital maturity tool*

Governance, Service design, Data management, Interoperability, Technology, Service delivery and Networking

## COMPARE

### *An interactive dashboard*

Presenting your data in real-time and allowing you to compare with other cities in Europe

## SHARE

### *Repository of good practices*

Sharing your success and challenges to promote the European way for digital transformation

## LEARN

### *Policy recommendations*

Bringing awareness about emerging topics at the EU level and to giving policy advice

# What is LORDIMAS?

*A functional approach*





[lordimas.espon.eu](http://lordimas.espon.eu)

If you want to contribute to shape the future development of the tool you can join the **Monitoring & Measuring Working Group** of Living-in.EU



[living-in.eu](http://living-in.eu)

## Call to Action – How to Get Started



Go to the platform, click on [participate](#) and download the offline form.



Identify your list of key city stakeholders you would like to invite for the assessment. Share the questionnaire with the stakeholders.



Organise a workshop to discuss the questionnaire and collect information on all dimensions.



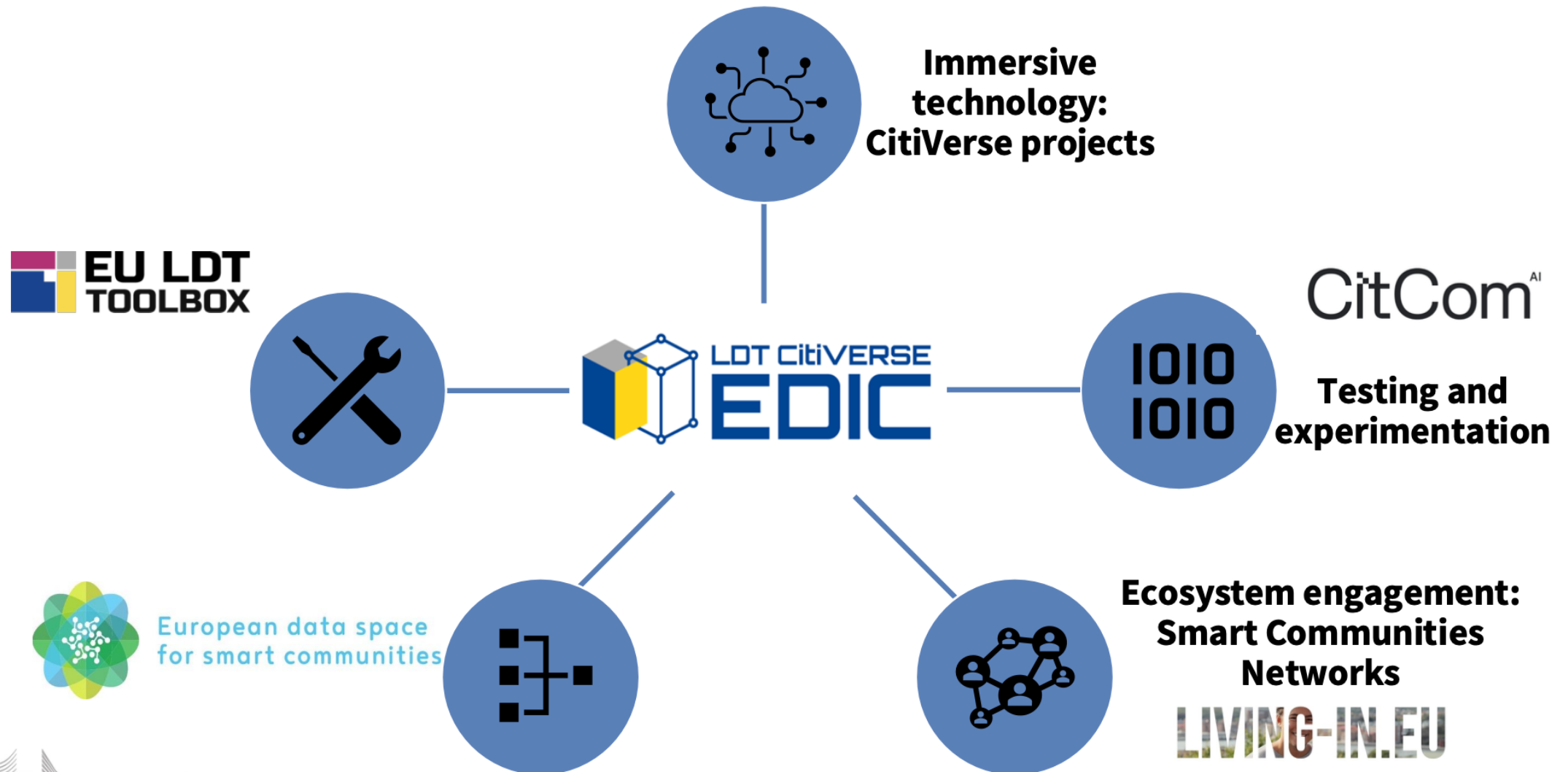
Complete the assessment online, compare yourself to other cities, consult good practices and recommendations



Summarise and discuss digital maturity assessment results jointly with the stakeholders, share learnings on strengths and weaknesses



# Building an ecosystem of AI-based solutions



# Funding opportunities – cascading open calls

**Towards networked Local Digital  
Twins in the EU - DIGITAL-2024-  
CLOUD-DATA-AI-07-DIGITALTWIN**  
Digital Europe Programme (DIGITAL)



**Tentative date**

November 2025

Ecosystem of interoperable LDTs sharing a common blueprint

Increase in number of national infrastructures for urban data platforms and LDTs

New technical solutions for the EU LDT toolbox – policy scenarios in key urban management areas

New AI-based solutions contributing to the EU LDT toolbox

Mature AI services in public domain for predictive modelling and immersive services



# EU Digital Funding opportunities

The European Union (EU) supports the digital transformation of public administrations through various funding programmes.



**Digital Europe Programme** (DEP) supports the development of digital infrastructure/skills, focusing on public admin efficiency + accessibility.



**Horizon Europe** funds research and innovation projects to advance digital technologies and public services.



**Interreg** promotes regional cooperation to enhance digital connectivity and innovation in public services.

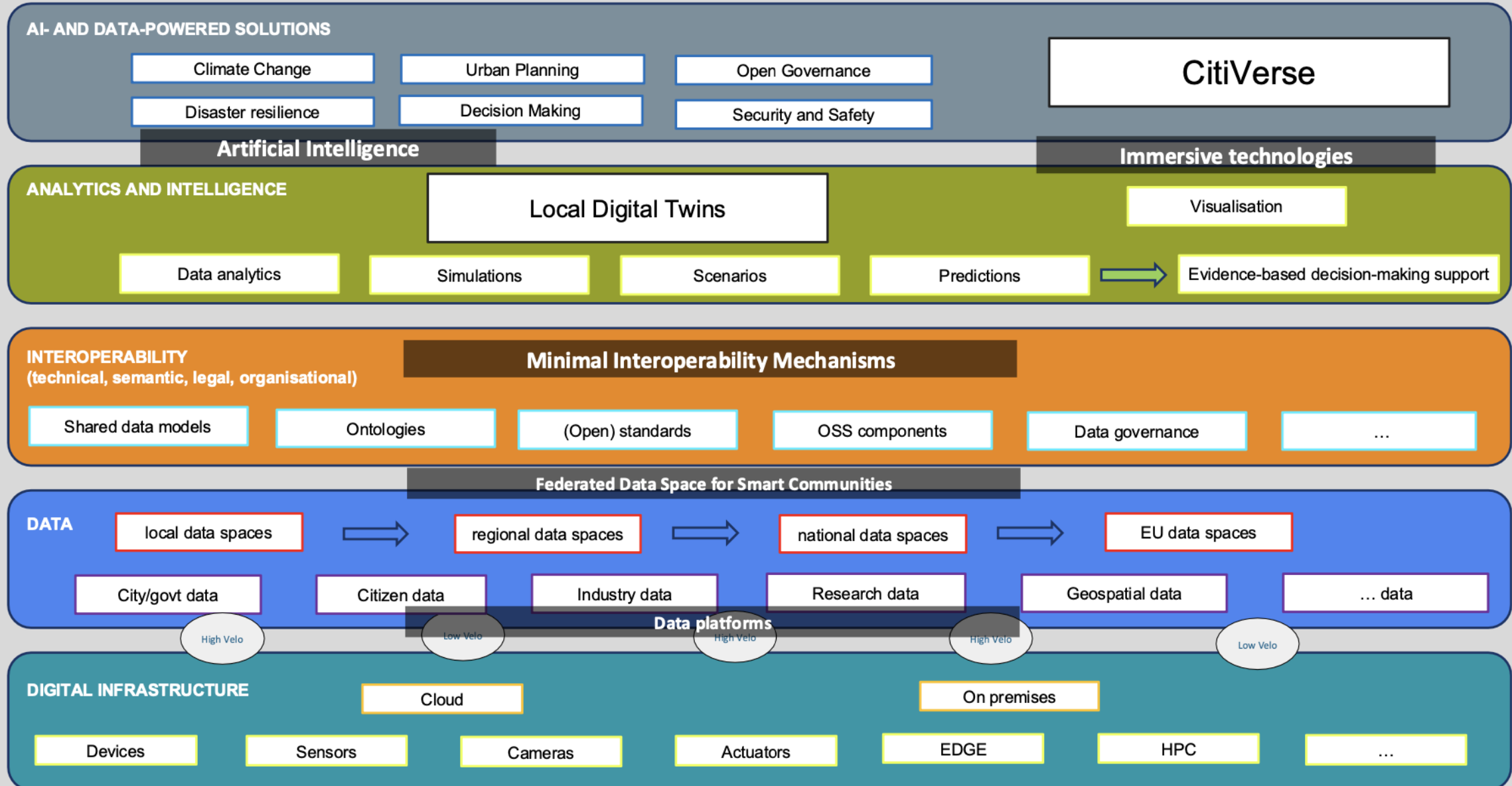


**Technical Support Instrument** (TSI) offers tailored technical support for designing/ implementing digital reforms in public admin.



**Connecting Europe Facility** (CEF) improves digital networks and infrastructure, enhancing public administration services and connectivity.

# Five layers 4 EU Smart Communities



# EU Smart Communities Pipeline

**LIVING-IN.EU**

OASC MIMs

**Go Li.eu**

Living-in.EU MIMs  
Plus

**#1 LDT  
Toolbox**  
Tech Specs

**#2 LDT Advancing Initial Stages**

Support services: SCN, procurement helpdesk and  
templates, MIMs Plus compliance testing and certification

**#3 EU LDT Toolbox**

Development of the Toolbox

**EU LDT  
TOOLBOX**

**DS4SSCC – Data  
Space for  
Smart Communities  
blueprint**



**DS4SSCC DEP – Data Space for Smart Communities  
Deployment, validation**

**DIGITALTWIN call**

EU LDT Ecosystem  
Common Interoperability Blueprint

**Simpl**

Streamlining cloud-to-edge federations for  
major EU data spaces

**Developing CitiVERSE projects: x-CITE, SENSE  
3DxVERSE, CU-project**



European CitiVerses  
Uniting for Inclusiveness



**CitCom<sup>AI</sup>**

**CitCom.ai**

AI Testing & Experimentation Facility for SCC



**AI**  
EU Artificial  
Intelligence



**interoperable  
europe**

**EU Interoperability  
Framework  
EIF4SSC**



**interoperable  
europe  
Portal**

**ITB**  
Interoperability  
Test Bed

Interoperability Assessments  
become mandatory



**EDIC**  
Networked LDT  
towards the  
CitiVERSE



REGULATORY  
SANDBOXES IN THE  
AI ACT



THIS IS  
EUROPE'S  
DIGITAL  
DECADE

THE  
EUROPEAN  
DATA STRATEGY

DGA

DATA ACT

EU MISSIONS

New  
European  
Bauhaus