



Scaling Local Digital Twins Through Shared Infrastructure

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LDT CiTiVERSE EDIC



What is it?

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Networked Local Digital Twins towards the CitiVERSE European Digital Infrastructure Consortium

What is the Citiverse?

The Citiverse is a next-level digital space where citizens, communities, and city officials can interact in a whole new way by applying AR/VR to participatory decision making.

What is an EDIC?

A European Digital Infrastructure Consortium (EDIC) is a type of **legal structure created under the Digital Decade Policy Programme 2030** to enable EU Member States to pool resources efficiently for the deployment of joint digital infrastructure.

01 A common European infrastructure

of interoperable data platforms and services for Networked Local Digital Twins, combining Geo Data, AI and Virtual Worlds — the European Citiverse.

02 A unified European ecosystem

of networked Local Digital Twins and advanced AI-powered solutions for cities and regions through Multi Country Projects.

03 Capacity building

through a common set of advanced products, services and facilities, validated from practice, that harmonize implementation by cities and regions of member states.

04 Economies of scope and scale

through the advancement of interoperability, replicability and portability based on international open standards, European Values, fueling European Digital Sovereignty.

European Digital Infrastructure Consortium is a formal EU legal-entity

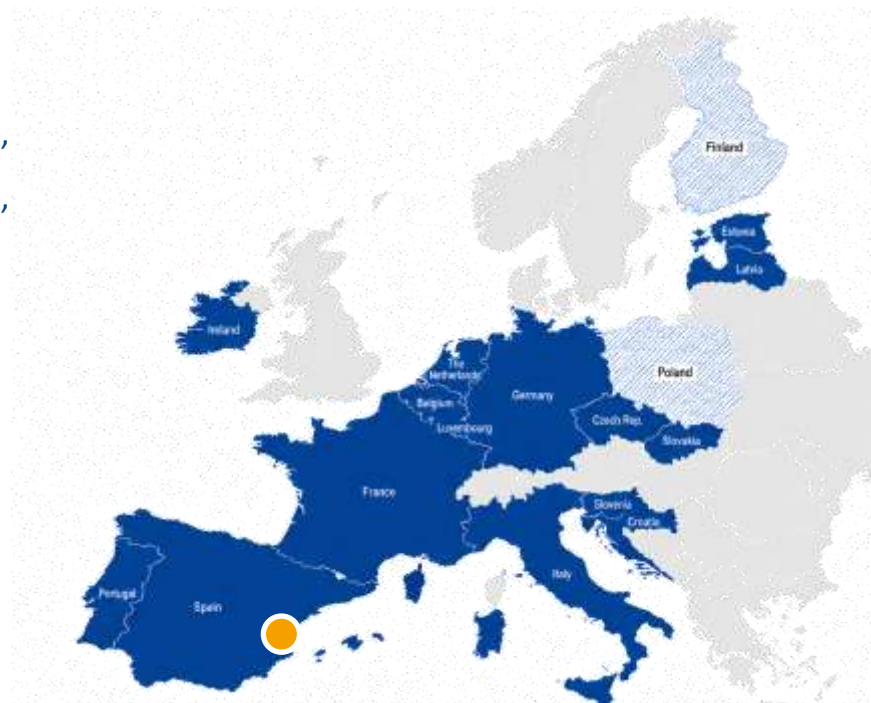
Who

- **Signatory Member States:** Slovenia, Estonia, Latvia, Spain, Croatia, Portugal, France, Czech Republic, Luxembourg, Belgium, Slovakia, Italy, The Netherlands, Ireland, Germany
- **Cities & Regions:** Preferably umbrella model
- **Headquartered** in València, Spain

With whom

Strategic Partners for outreach and impact network

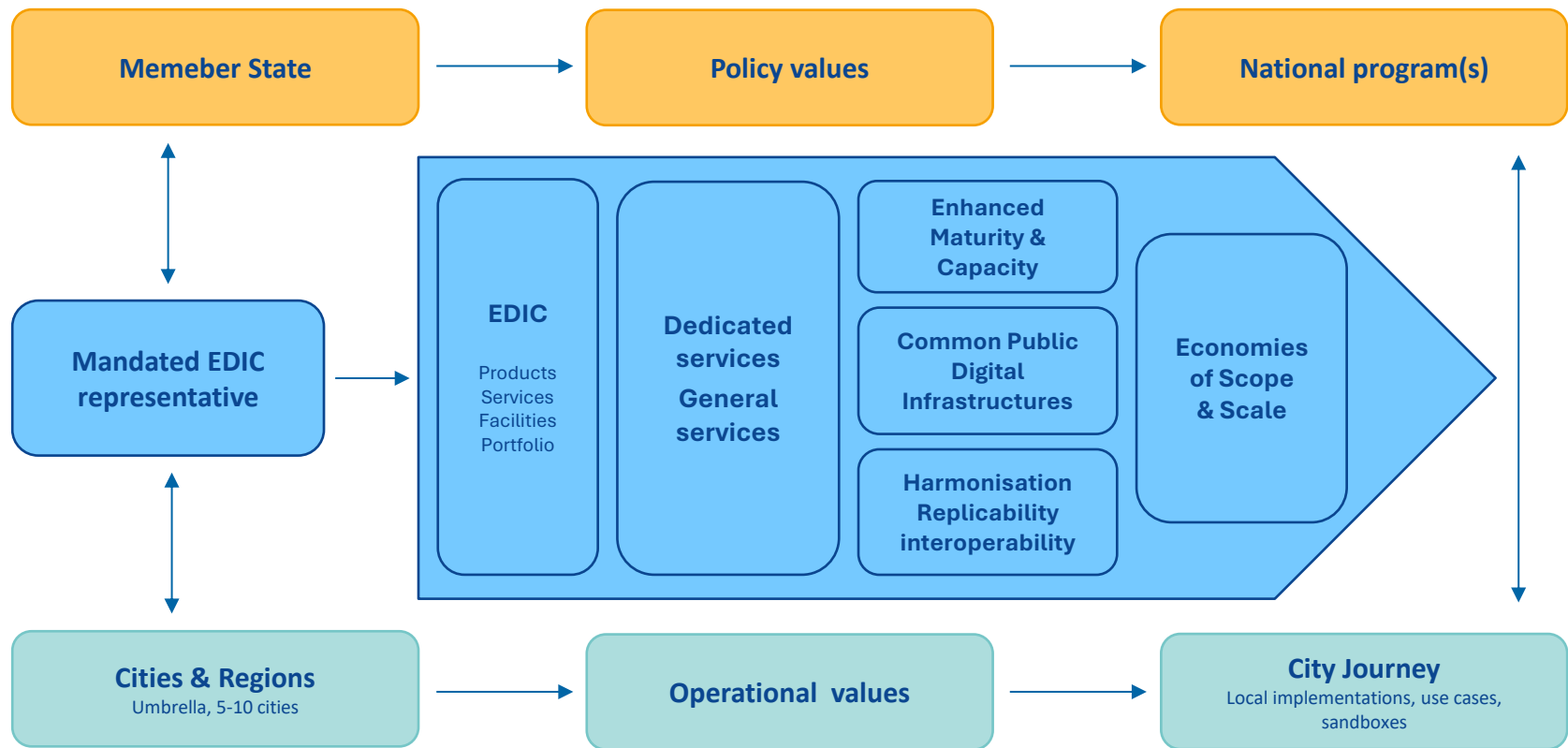
- Living-in.eu (Enoll, ERRIN, Eurocities, OASC, CEMR, CoR).
- Europeana Programs: TEF's (CitCom), EDIH's, AI-factories.
- International organisations: OECD, UN-ITU.



15 Member States

2 Applicants

Collaboration Model with National Programs



EU projects feeding the EDIC

EU Data Space for Smart Communities DS4SSCC



Assessment Helpdesk/**EU LDT Toolbox**



Networked LDT's LDT4SSCC



4 CitiVerse projects x-CITE, SENSE, CU, 3DxVERSE



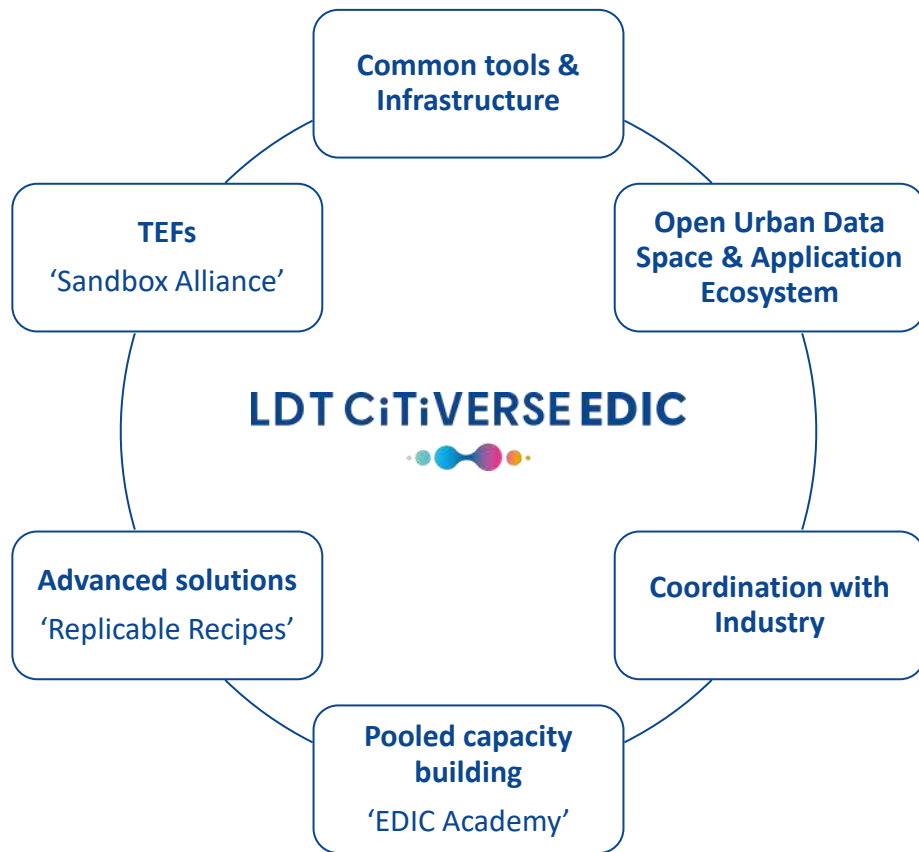
Test & Experimentation Facilities CITCOM



Minimum Interoperability Mechanisms MIMS



Data Spaces Middleware SIMPLE





EU LDT Integrated Environment
Tools Central Hub
The gateway to the Toolbox



EU LDT Hall
Dissemination Platform
Knowledge sharing and outreach



EU LDT Marketplace
Marketplace
Discover and share solutions

Data Acquisition



EU LDT Data Platform
Data collection and integration hub



EU LDT Data Space Ready
Integrate with 3rd party data



EU LDT Data Modeller
Synthetic Data Generator



EU LDT AI Notebook
EU LDT Federated Learning

From Data to Knowledge

Create models or use the ready-to-use ones from the Marketplace



EU LDT Use Cases & Scenarios

Simulate 'what-if' scenarios

Run scenario simulations to assess the impact of various actions



EU LDT Play & Visualise

Visualise the impact

Get virtual representation of the scenarios' results



EU LDT Participate

Ask your citizens

Get feedback and engage with citizens



EU LDT City Innovation Planner

Make informed decisions and measure

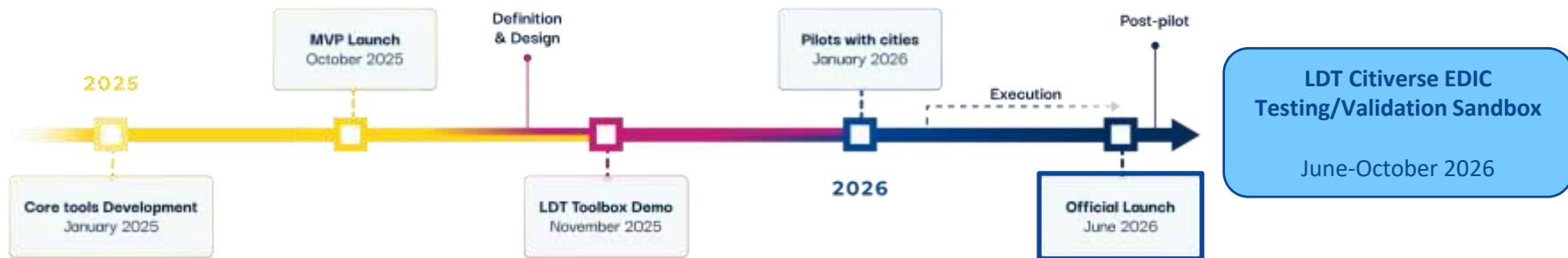
Evaluate the impact, make decisions and measure



EU LDT Identity Manager

Security Hub

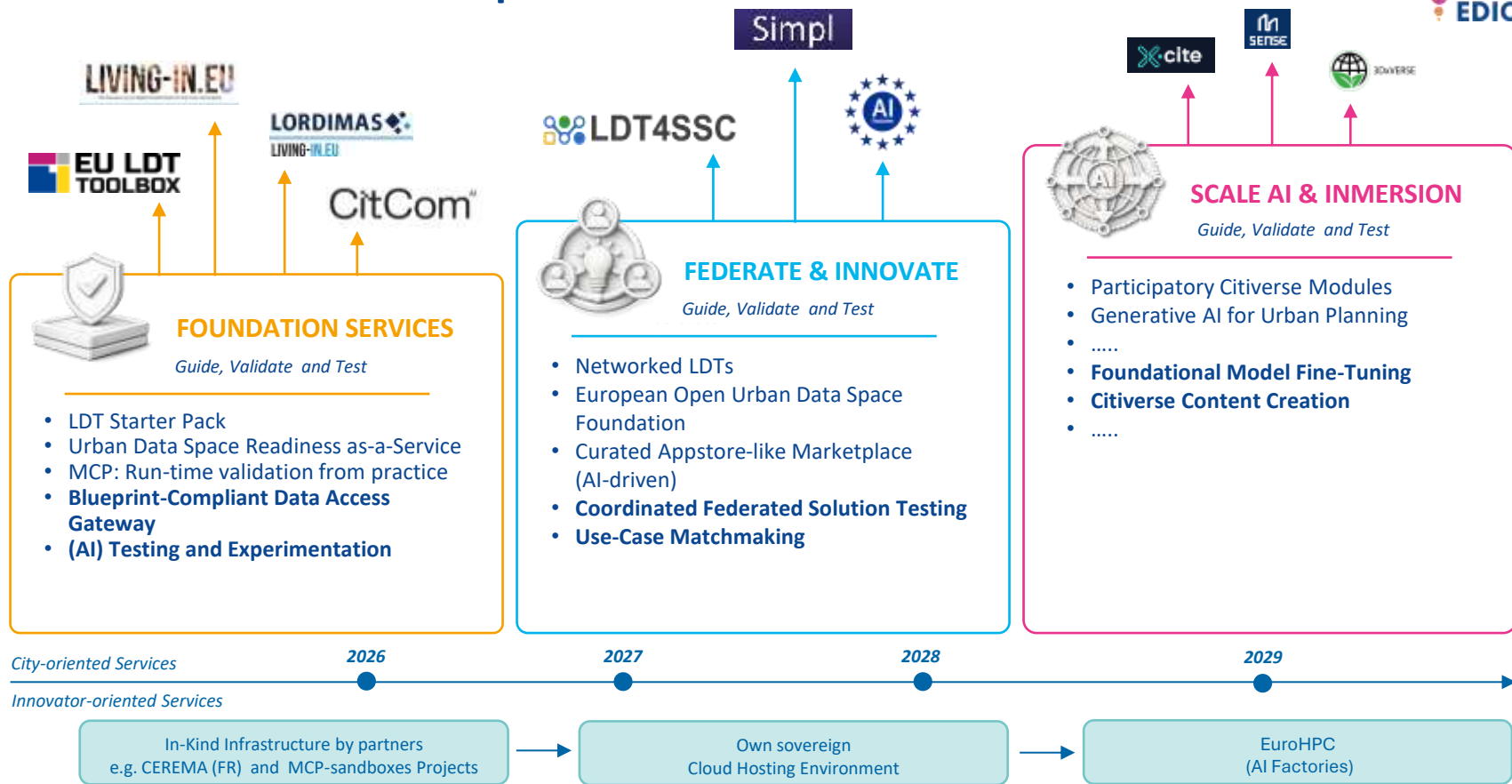
Security and access control



[EU LDT Toolbox
Launch Event](#)
16-17 June,
Valencia, Spain



Service Evolution Roadmap



Goal

- Close the gap between EU-calls and operationalization in primary processes of cities and regions.
- From Design-time to Run-time: Focus on operationalization.
- Validation from practice(adoption capacity): useability, replicability, scalability and robustness of solutions and infrastructure needs to be tested, not only in closed test and experimentation facilities, but in the sandboxes of cities and regions themselves, creating feedback-loops from practices. Harmonised and exchangeable across cities in Europe.

First Action

Testing EU LDT Toolbox building-blocks (June-Sept 2026)

Let's not re-invent the wheel!

EU-wide interoperability and deployment of shared solutions

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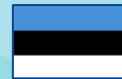
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