

BRUSSELS, 24 JUNE 2024



Smart Cities València's case

Leticia Casañ Jensen



More than 10 years of experience on Smart Cities

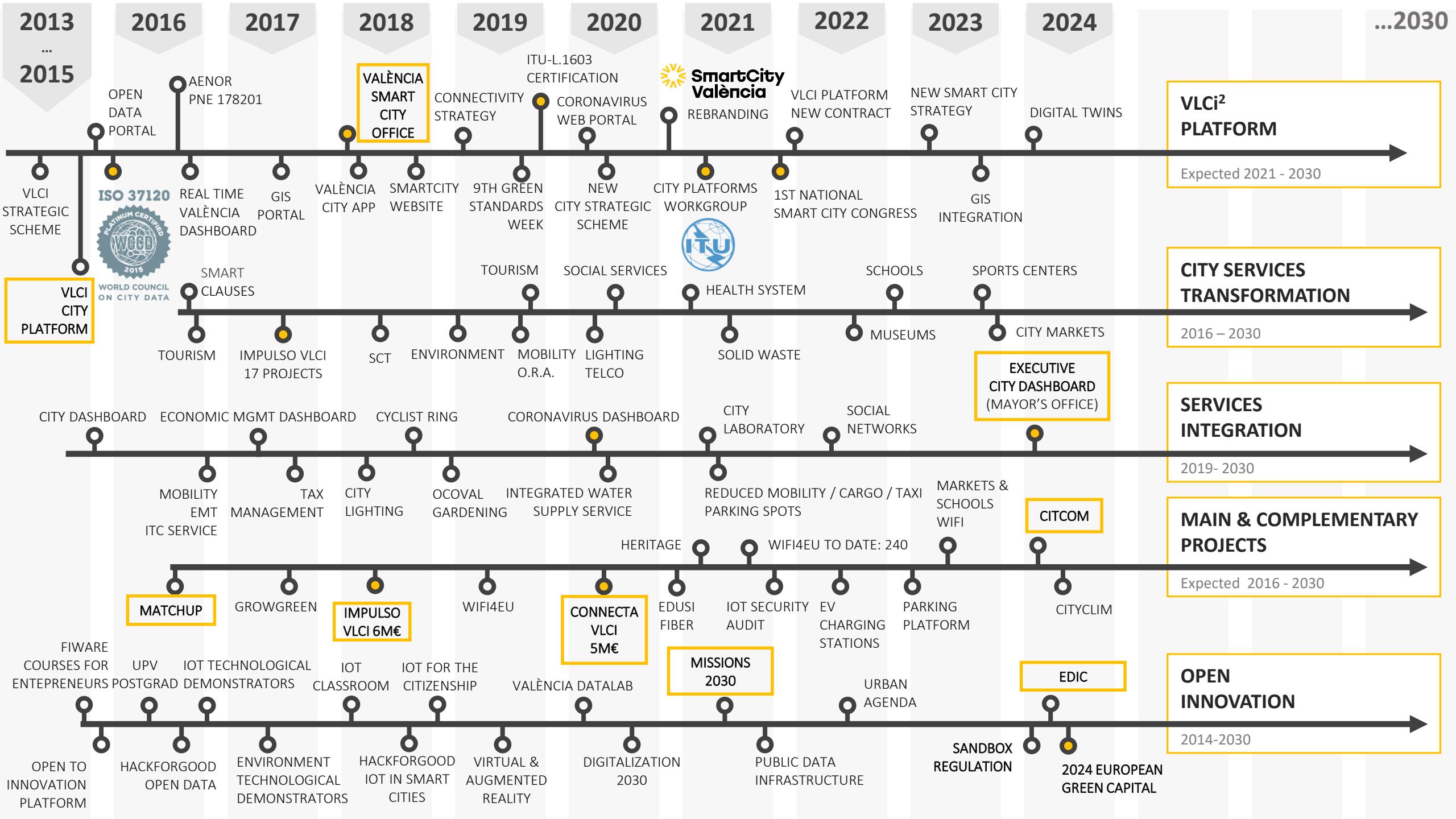
Leader of the group on **Urban platforms at U4SSC** (worldwide level ITU-UN)

Coordinator of working group at **RECI** (Spanish network of Smart Cities)

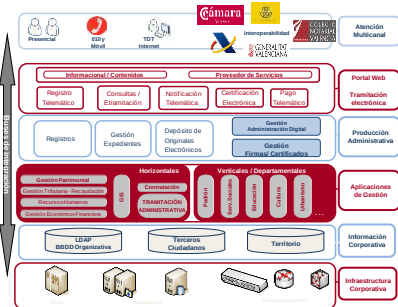
Relevant projects funded by ERDF-red.es: **Impulso VLCi, Connecta VLCi**

Coordinator of South supernode of **Europe at AI on Smart cities Project**

Seat of EDIC on Local Digital Twins towards the CitiVERSE



ELECTRONIC RIGHTS OF CITIZENS

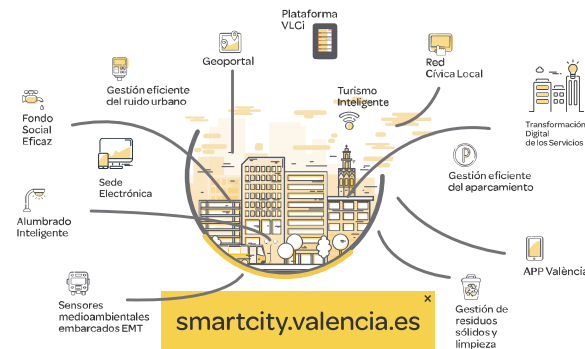


E-Administration Master Plan

2008-14

- Relational DB.
- UCM – URM.
- Interoperability Metadata
- Corporative DB.
- SOA – Bus.
- Digital Identity-Authentication

SUSTAINABLE & SMART CITY

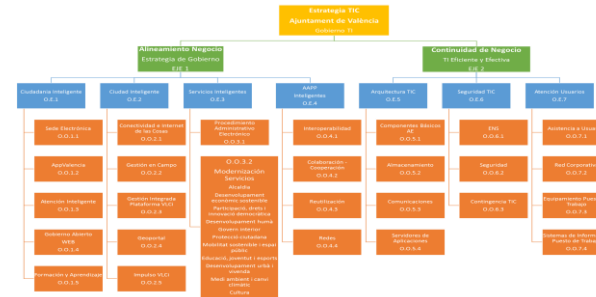


Smart City Strategic Plan

2013-18
(updated in 2023)

- IoT ingestion
- Big Data.
- CKAN.
- OpenData Portal.
- Geoportal.
- City App.

CONVERGENT DIGITAL AGENDA



ICT Strategic Plan

2018-21

- Analytical Tools.
- Context Broker.
- CEP Interdomain.
- Generic APIs.
- Big data studies.
- EIF4SCC
- E-government Core Vocabularies

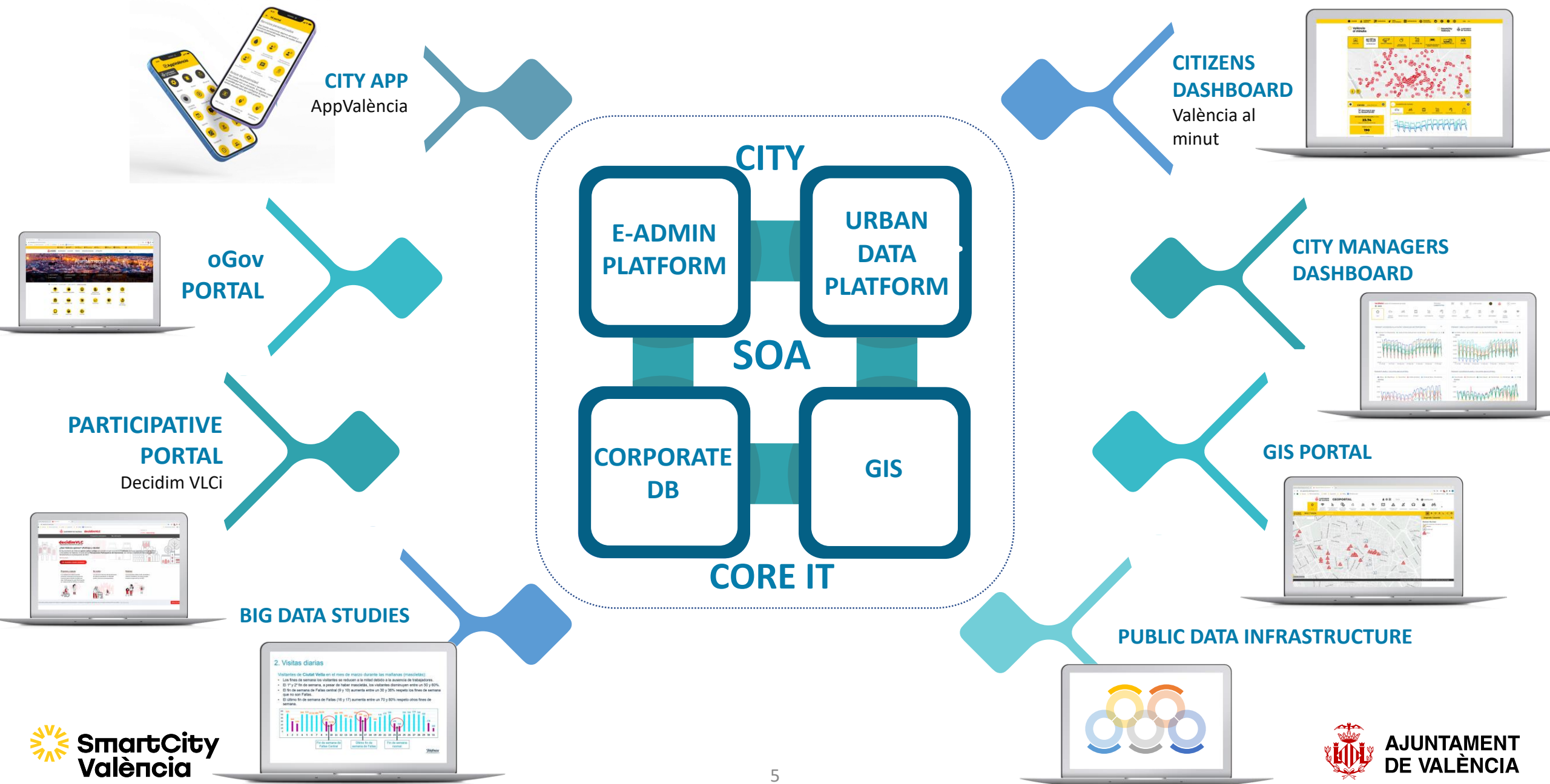
URBAN AGENDA



Missions València 2030

2030

- Public Data Infrastructure
- Digital Twins
- IDS RAM.
- Smart Data Models.
- Fiware Dataspaces.
- IA, Blockchain, ML.



Commitment with Standards

ISO 37120



Cooperation & Collaboration

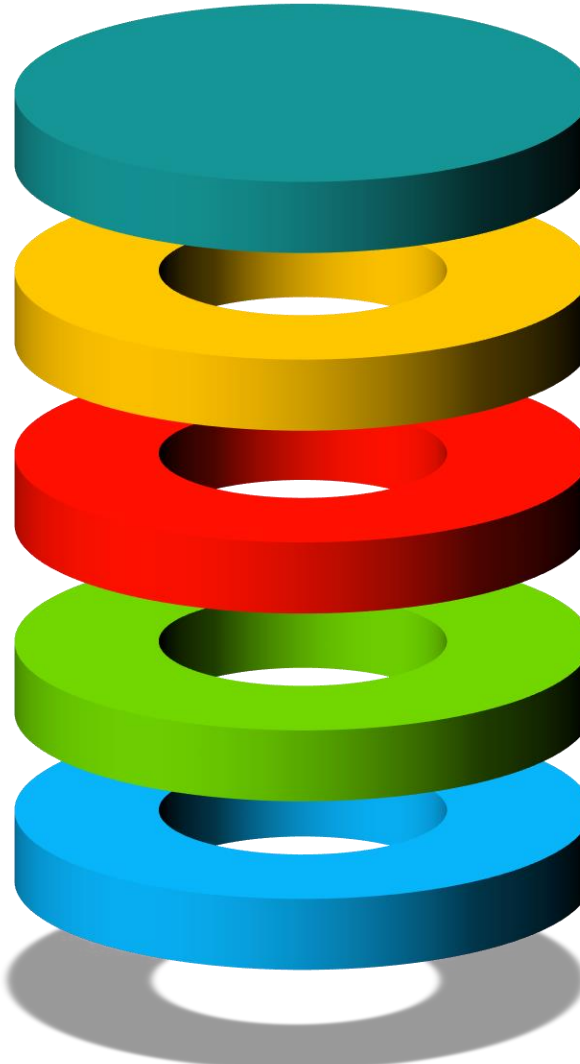


LIVING-IN.EU



Digital Transformation of Services

- 30% of services integrated in platform
- 50 public tenders, **smart clauses**.



Smart City Office

<http://smartcity.valencia.es/smart-city-office/>

Smart Solutions



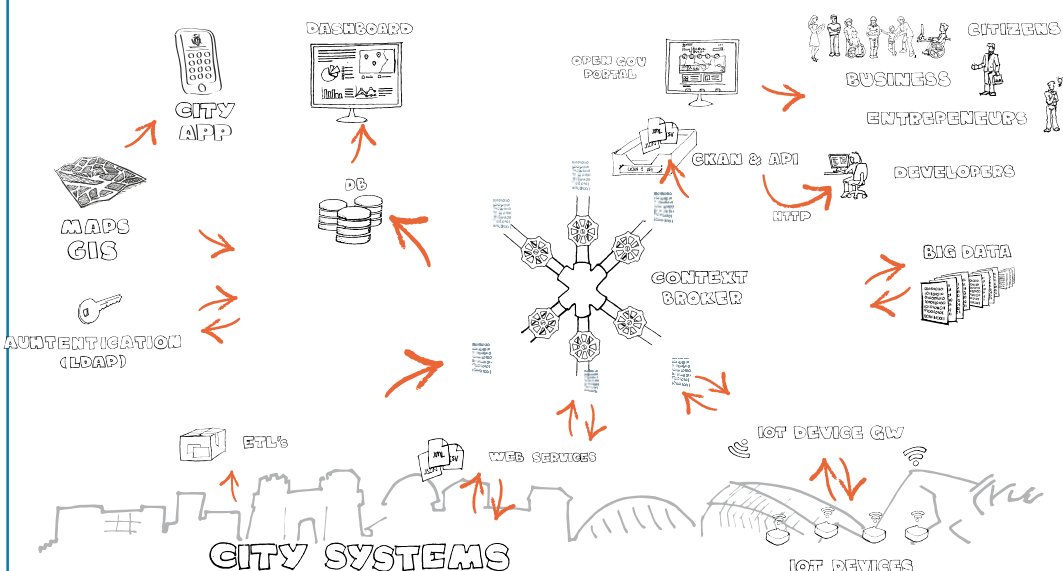
- Citizens dashboard
- City dashboards
- Specific dashboards

Enabler Smart Elements

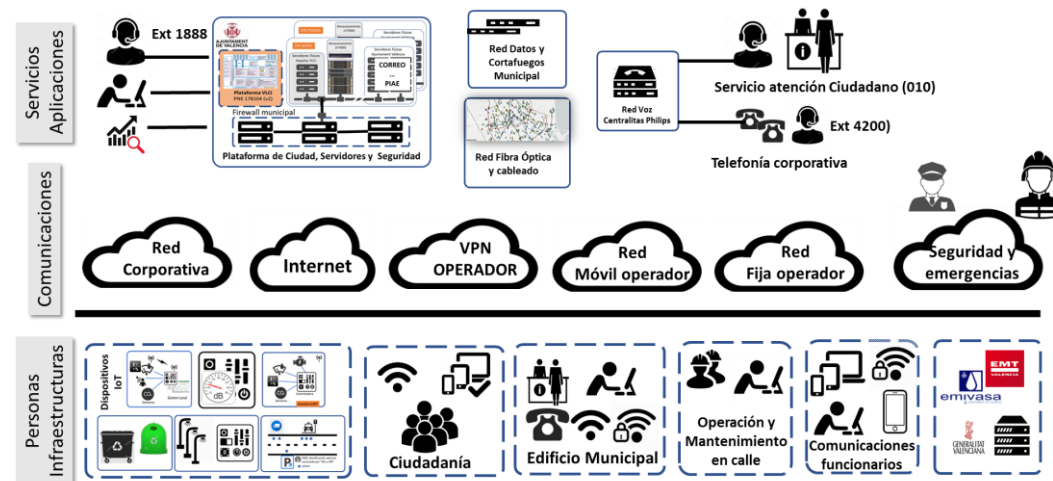


- Urban Data Platform
- Geographical Information System
- Open Government Portal
- CityApp

URBAN PLATFORM

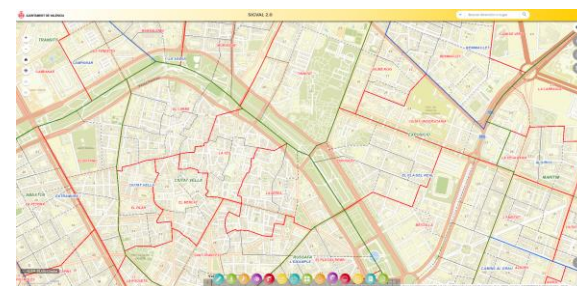


CONECTIVITY STRATEGY



CITY GIS

- 68 Municipal Services
- 350 Layers of Information
- +1.500 Users
- +500.000 city assets



OPEN GOVERNMENT PORTAL

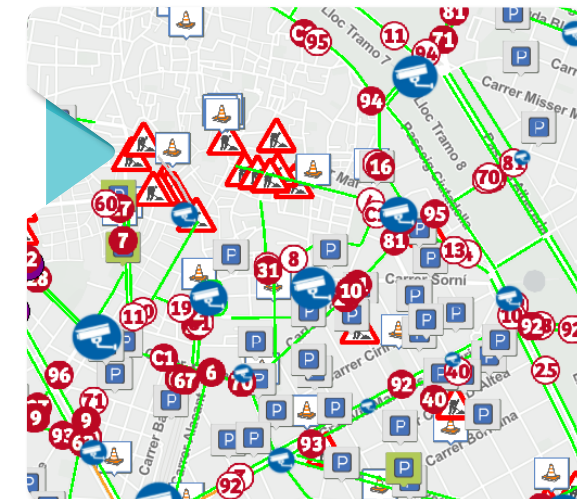
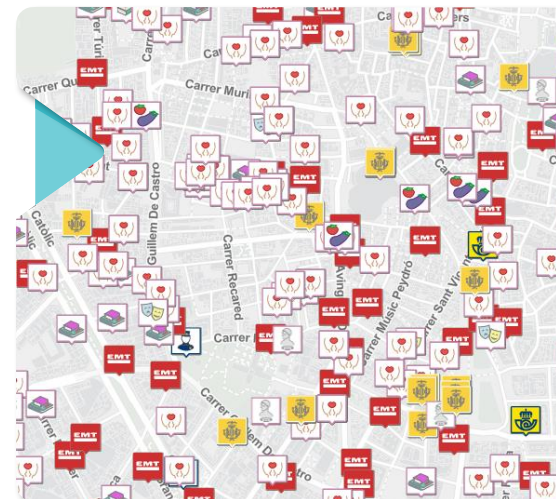
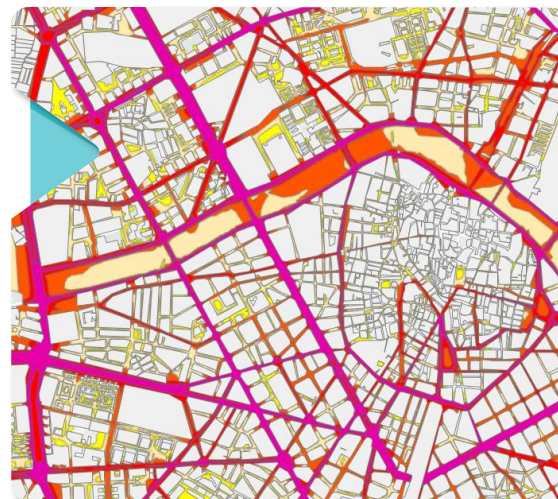
- All city datasets (> 250) available to citizens
- Transparency portal
- Available APIs (CKAN and more).
- Federated at national and european level





GIS - Geoportal

1. 68 Municipal Services
2. 350 Layers of Information
3. +1,500 officials
4. +500,000 city assets



APIs

• Close to me:

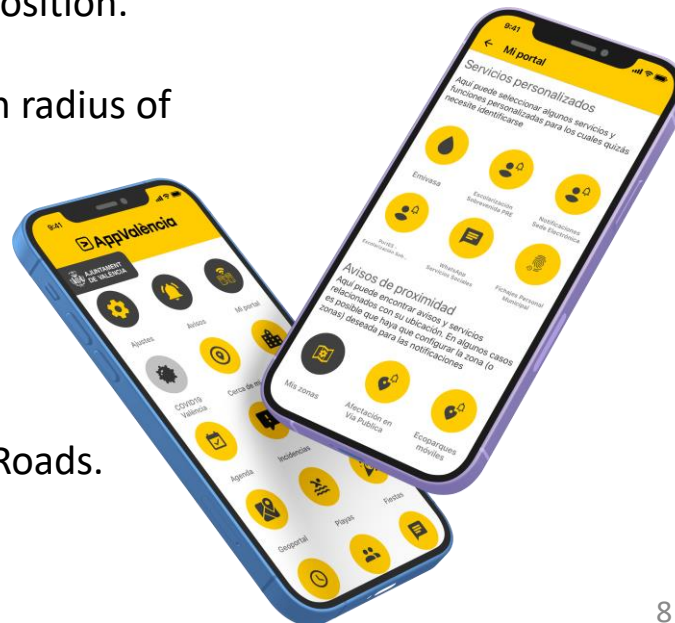
x elements closest to the user's position.

• Points of Interest:

from a position and with a certain radius of action grouped by themes.

NOTIFICATIONS

1. Standard Notice.
2. Personalized Notices
3. Dynamic Proximity Notice.
4. Notice of Actions on Public Roads.



PERSONALIZED SERVICES BY THE LOCATION OF THE CITIZEN:

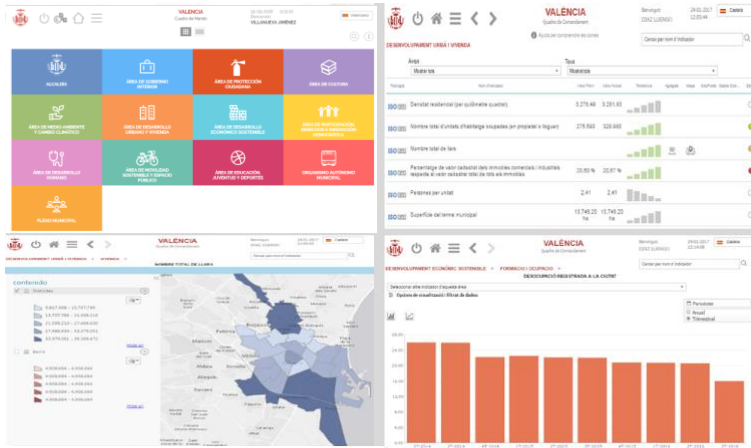
- Nearby public transport stops and minutes left to get to the stop.
- Free bike terminals nearby.
- Route changes due to traffic congestion.
- Cheaper gas stations nearby.
- Street cuts ...

PERSONALIZED SERVICES BY CONSENT OF THE CITIZEN:

- Possible water leaks in your home.
- Granting of aid in the educational field.

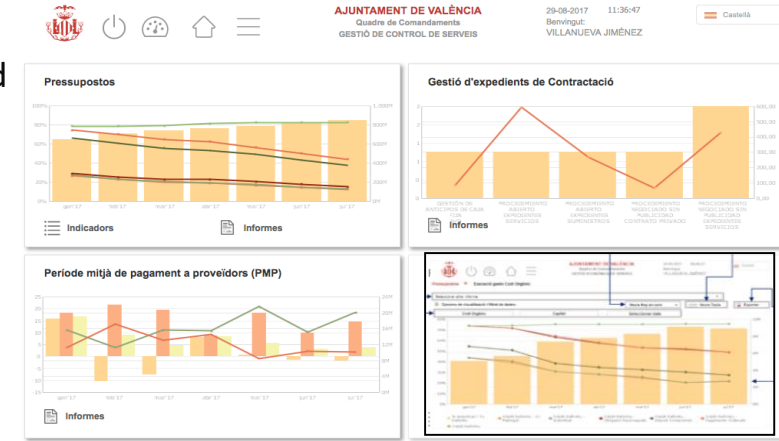
Unified City Dashboard

- All City Areas
- KPI list. +800 KPIs
- GEO Analysis
- KPI in detail
- IoT Dashboards
- Massive Data Studies



Administrative Dashboard

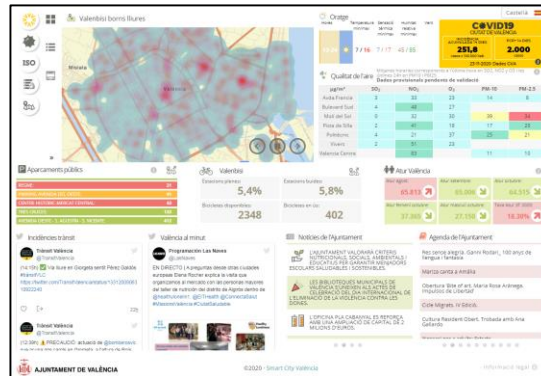
- Budgets
- Average Payment Period
- Public contracting
- Administrative Activity



València al minut - Citizen's Dashboard

<http://www.valencia.es/valenciaalminut/>

- Maps: Noise, transport, works on public roads ...
- Real time information: Air quality, Parking availability, use of municipal bicycle service ...
- Unemployment rate
- Agenda, News, Social Networks ...

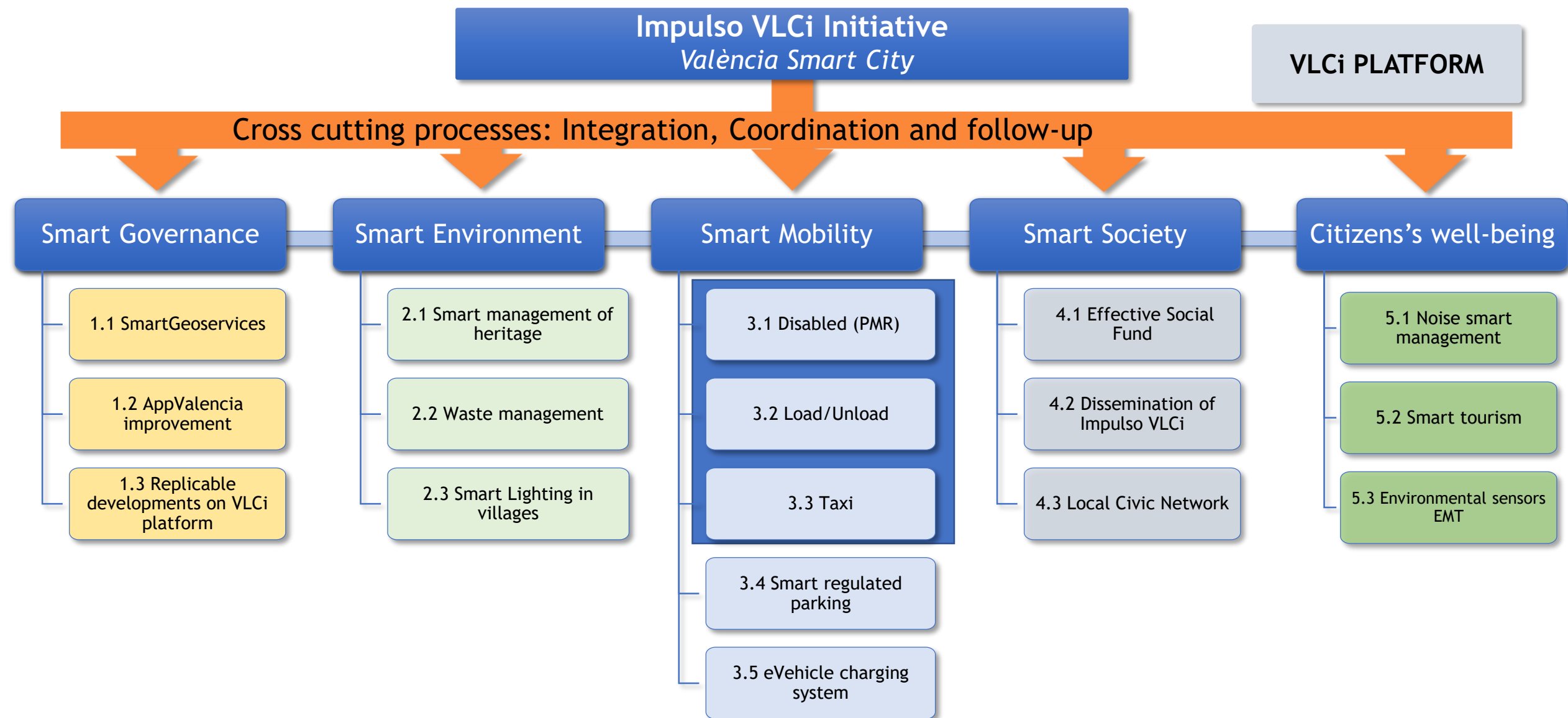


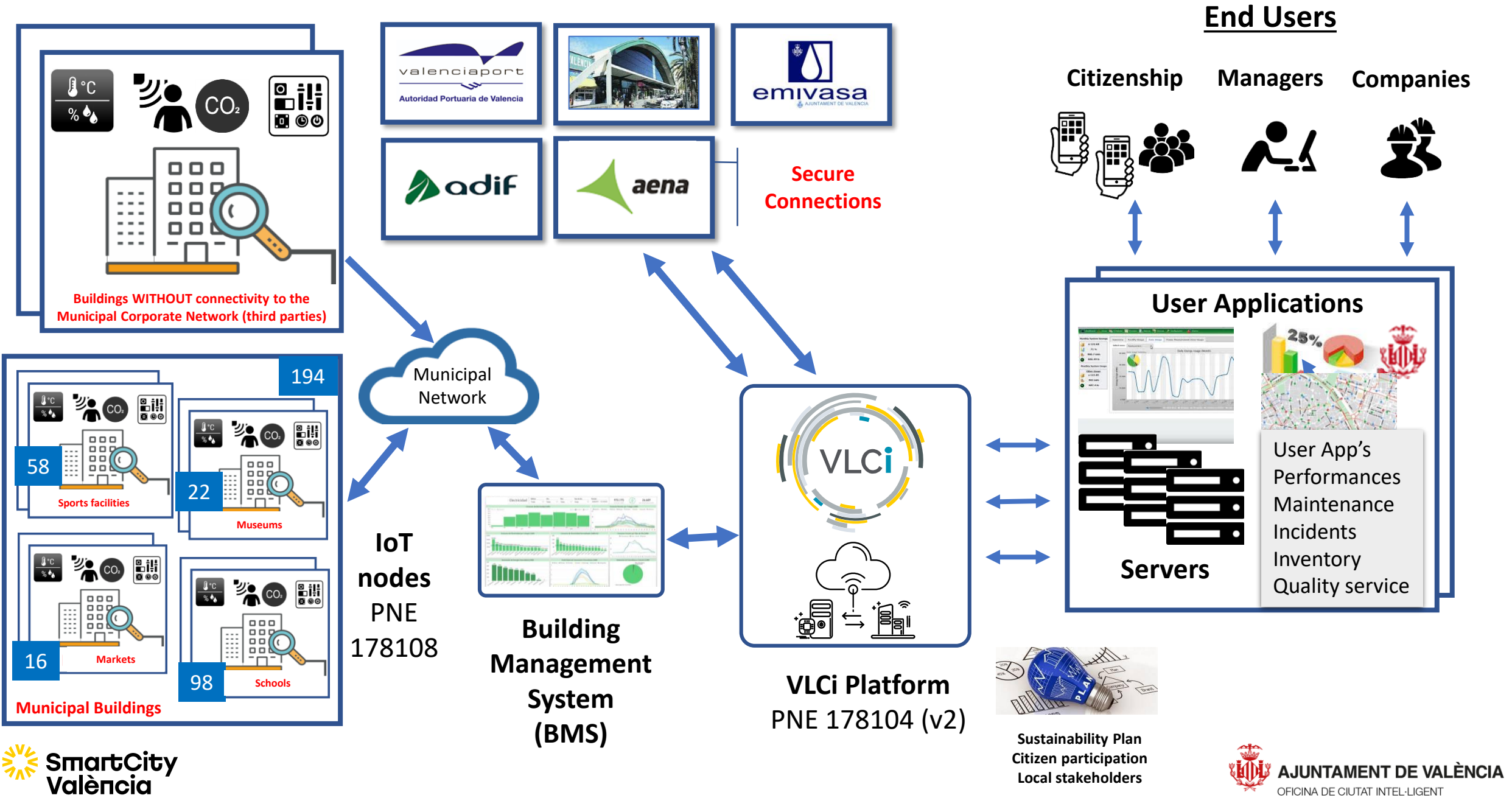
Geoportal and Spatial Dashboards

<https://geoportal.valencia.es/home/?lang=1>

- 68 Geoportal Services
- 17 Internal dashboards
- Public Maps 13
- Field Inspection Maps 4







CITCOM.AI

Artificial Intelligence South Supernode Applied to Smart Cities



**AJUNTAMENT
DE VALÈNCIA**



**SmartCity
València**

LAS NAVES



**UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA**



**UNIVERSITAT
DE VALÈNCIA**



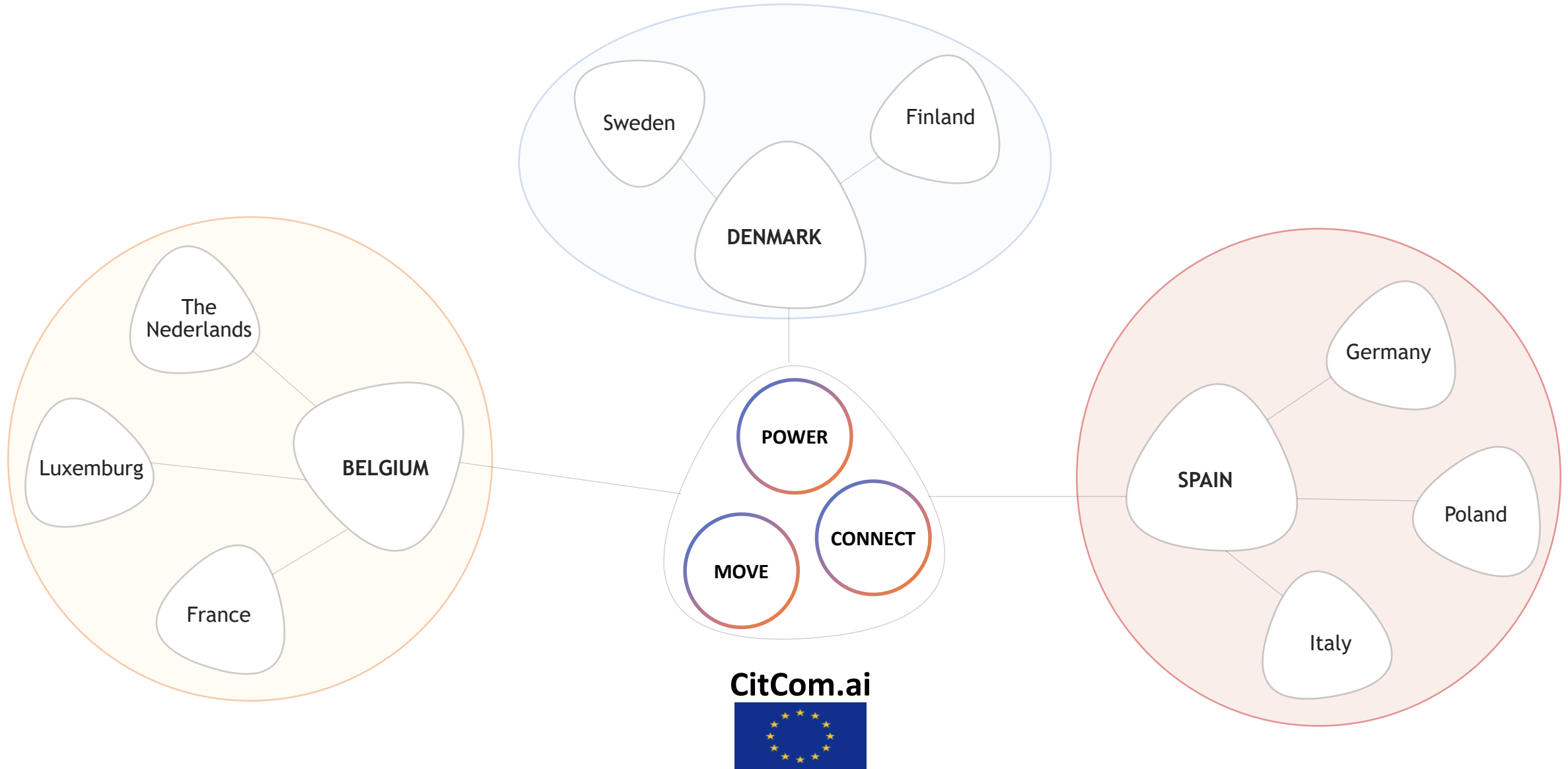
**POLITECNICO
MILANO 1863**



POLITECHNIKA WARSZAWSKA



citcom.ai Project



European AI & Robotics Testing and Experimentation Facility for Smart and Sustainable Cities and Communities

Scope

AI Applied to:

- Sustainable Mobility and transportation
- Urban Energy efficiency
- Efficient waste management, circularity and NBS
- Collaborative solutions for protecting the environment
- Cross-cutting services and apps focused on citizens' participation

EDIC on Local Digital Twins towards CitiVERSE



European Digital Infrastructures
Consortium with Seat and Chair in
Valencia

Digital Twins

3D Virtual Representation

Connected to data

AI Algorithms & Data analytics

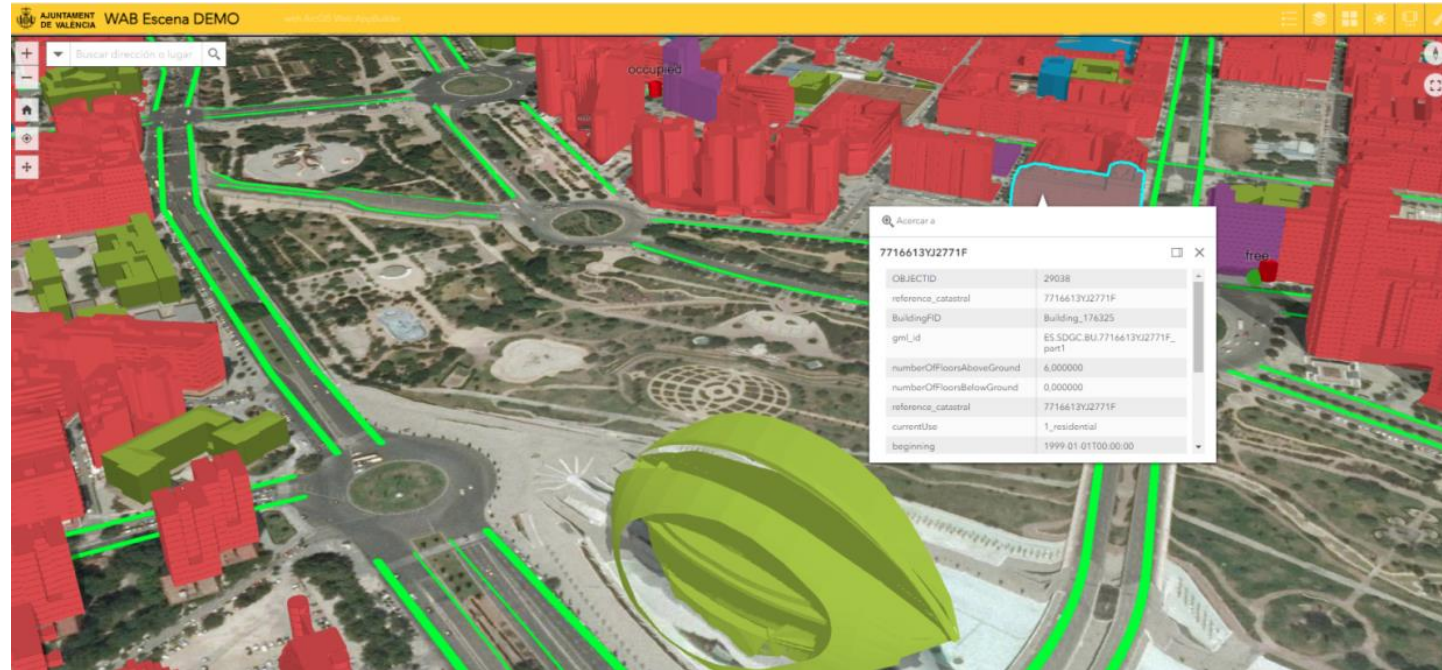
Simulation scenarios

Citiverse

For citizens

Interconnected and distributed hybrid and virtual worlds

New virtual goods/services/capabilities



What for this EDIC?

- To create a common & sustainable European infrastructure
- To go beyond research
- To avoid repetitions
- To deploy large-scale innovative projects and technologies
- To provide recommendations for future R&D&I in SCC
- To create a solid EU ecosystem on SCC



**AJUNTAMENT
DE VALÈNCIA**

Thank you!