



Ramón Ferri

CHIEF SMART CITY OFFICE

València City Hall

# VALÈNCIA SMART CITY

- **Strategies for digital transformation**
- **Enabling tools for sustainable city**

# Digital Transformation

## 2020 – 2030 Urban Agenda

2021 Green District.  
2022 Connecta VLCi  
2023 Connectivity Strategy.  
2025 Convergence of Plans.  
2030 Addressing ODS.

## 2014-2020: VLCi platform

2014 App Valencia  
2014 Open Data Portal  
2015 Unified City Dashboard  
2016 “valenciaalminut” quickdashboard (city)  
2017 GEOPORTAL  
2018 IMPULSE VLCi

## 2008-2014: PIAE

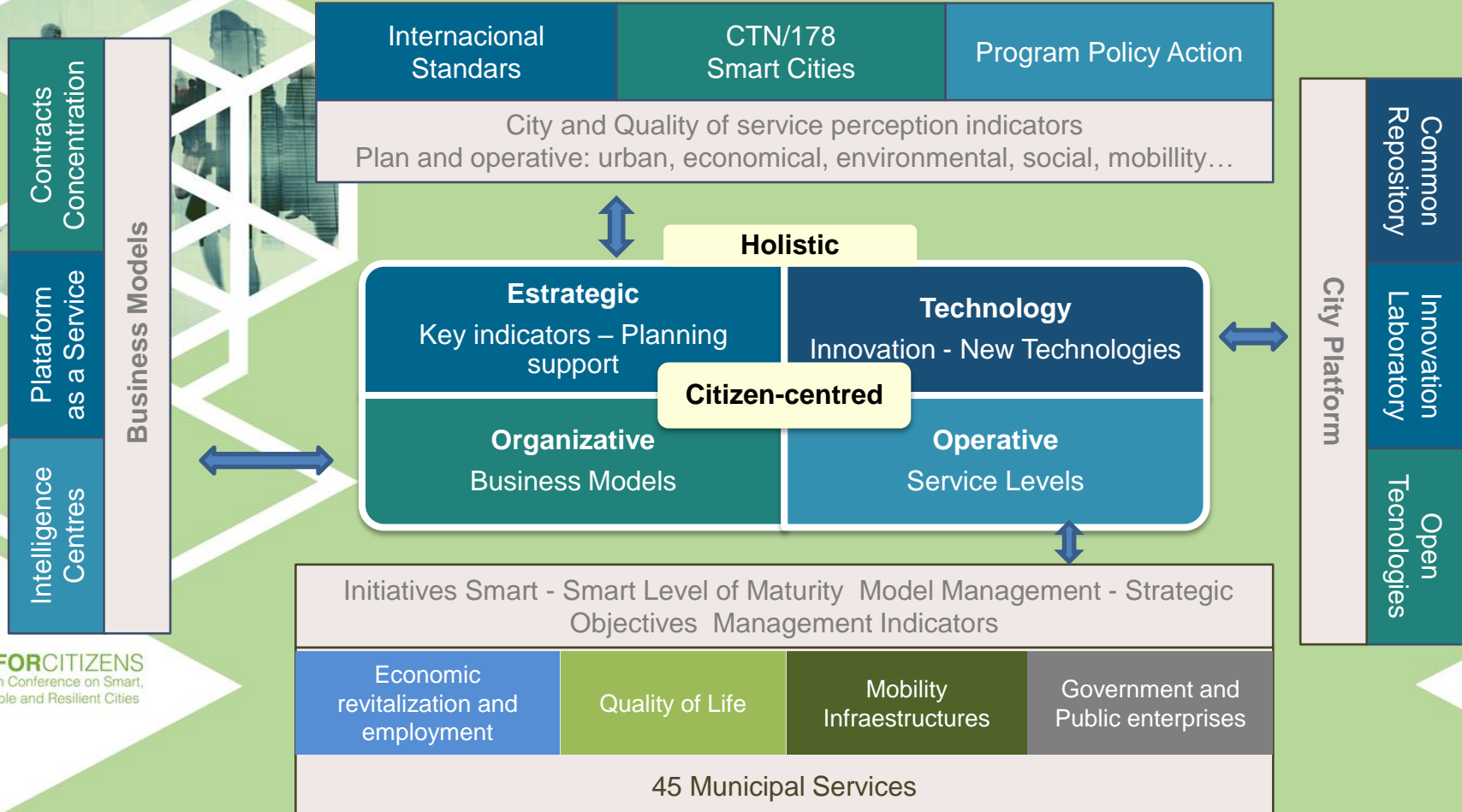
2009 Electronic Identity. Procedures Catalog.  
2010 Corporate DDBB: Territory, People, Organisat.  
2012 Administrative Official Electronic Site.  
2013 SOA architecture, Change management  
2014 Electronic document, record, governing bodies.  
Record Management all areas, all lifecycle.

Urban Agenda  
[2018-2030]

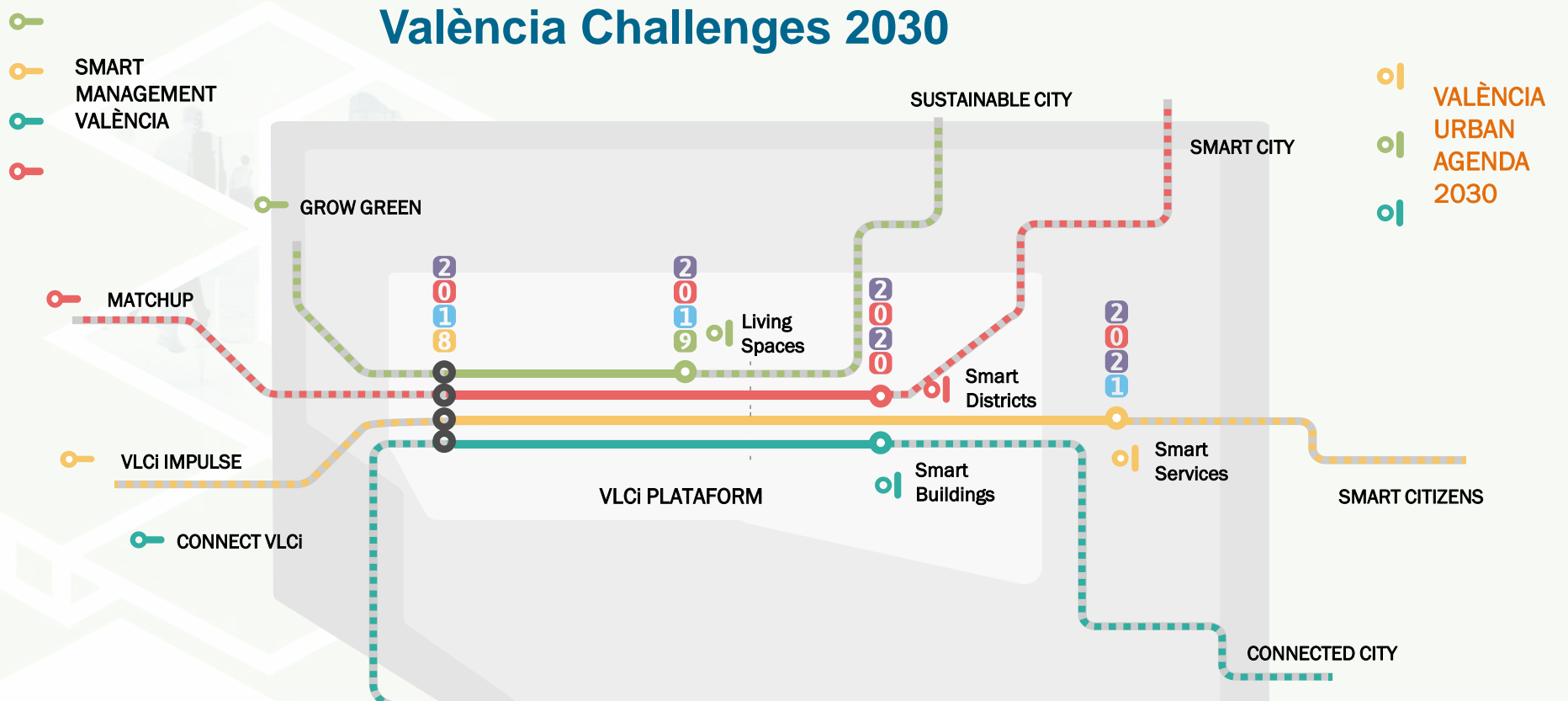
Valencia SmartCity Strategy  
[2012-2013]

Electronic Administration director  
plan  
[2008-2013]

# València Smart Strategy



# València Challenges 2030



 Enabling Tools

VLCi Platform  
GIS  
Open Data  
App València

 Grow Green

2018 - 19  
Habitable Spaces

 MatchUP

2018 - 20  
Urban transformation  
Strategies

 VLCi Impulse

2018 - 21  
Smart Cities/ Citizens

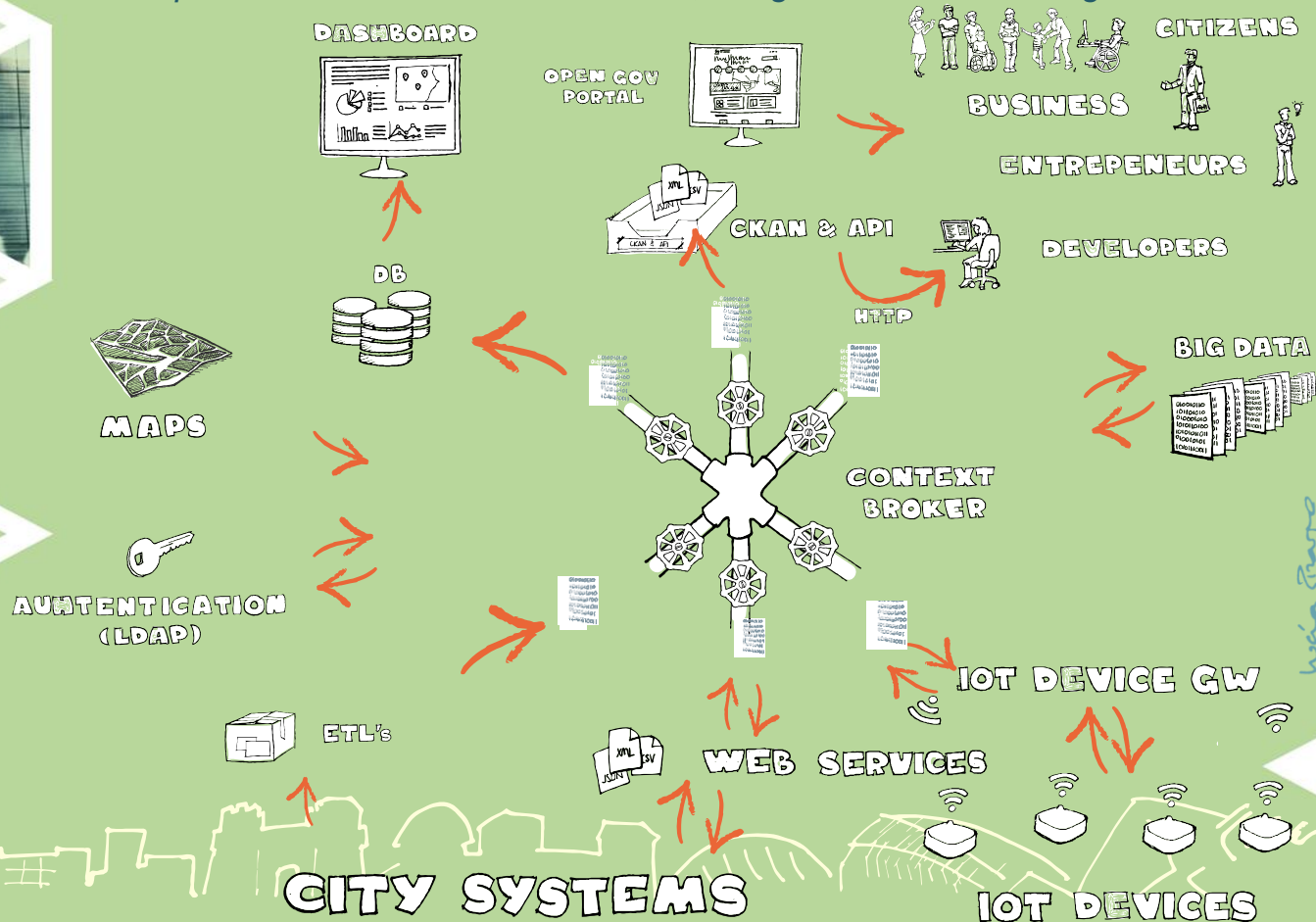
 Connect VLCi

2018 - 20  
Smart Buildings

 VALÈNCIA  
 URBAN  
 AGENDA  
2030


# VLCi platform architecture

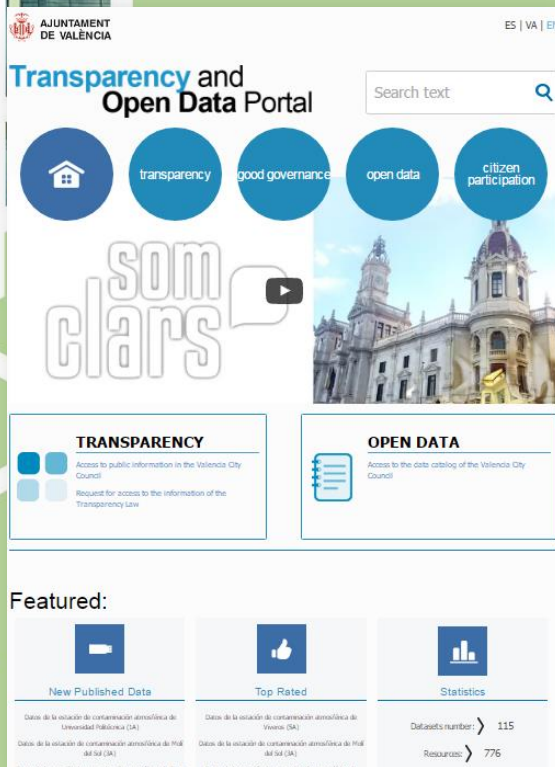
...the platform is the backbone element, integrates all the existing information...



# Results: Open Data portal

...all city info available for the citizen...

 <http://gobiernoabierto.valencia.es>



AJUNTAMENT DE VALÈNCIA ES | VA | EN

## Transparency and Open Data Portal

Search text

transparency good governance open data citizen participation

som clars

**TRANSPARENCY**  
Access to public information in the Valencia City Council  
Request for access to the information of the Transparency Law

**OPEN DATA**  
Access to the data catalog of the Valencia City Council

**Featured:**

- New Published Data
- Top Rated
- Statistics

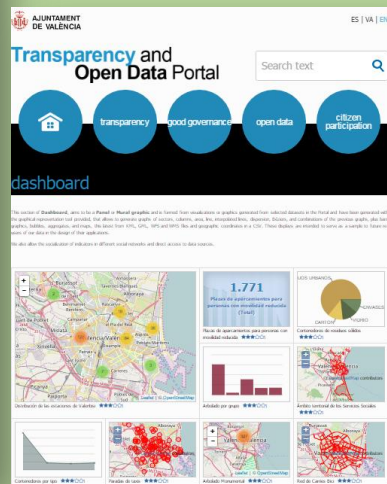
Datos de la evolución de contaminación atmosférica de Universidad Pública (DA) 115  
Datos de la evolución de contaminación atmosférica de Valencia (SA)  
Datos de la evolución de contaminación atmosférica de PAU del SAU (SA) 776  
Recursos

## Open Data

All city datasets (>100 in >800 distribs) available for the citizen.

## Transparency Portal

Provides the citizenship with all the city hall operation data. Salaries, budget execution degree, public contracts, etc.



AJUNTAMENT DE VALÈNCIA ES | VA | EN

## Transparency and Open Data Portal

Search text

transparency good governance open data citizen participation

dashboard

1.771

1.771 Plaques en jaquet comunitaria para potenciar els residuats orgànics (CRAU)

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## APIs available (CKAN & more)

Any programmer can reuse any dataset available in the catalogue (under Creative Commons License 4.0: any use).



## Geopositioned info

Any citizen can always see on the portal any information with geographical information can be seen on maps.

# Results: QuickDashboard

...providing the city status in "one shot" ...

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

## VLCi resources keypad

Allows access to every resource of the project: unified CdM, WCCD portal, open data portal, geoportal, etc

## MAP ROLLOVER

In which different maps are shown with different data sets of the city: "air quality", "municipal bike service use", "temperature", "traffic conditions", "EMT stops"

## CALENDAR & METEO INFO

Basic weather forecast information is displayed for the city for the next 24 hours, as well as the calendar: day and time you are in

## MULTI LANGUAGE Valencian / Spanish

### AIR QUALITY

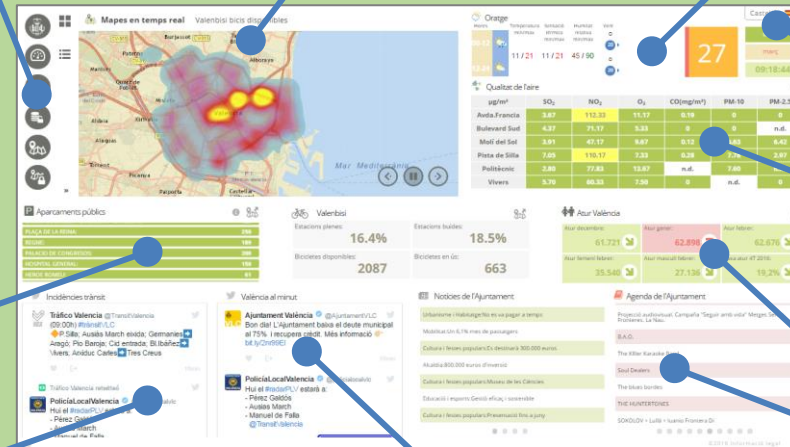
allows checking at a glance the state of air quality in the city of Valencia.

### UNEMPLOYMENT RATE

the evolution of the unemployment rate is shown, by sex, age and in total. For quarters and year.

## PARKING AVAILABLE

Vacancies in all public car parks in the city



## TWITTER: mobility communications

All the incidences of mobility of the city are included.

## TWITTER: Valencia City Related topics

lists all the tweets related to the city of Valencia issued by related entities.

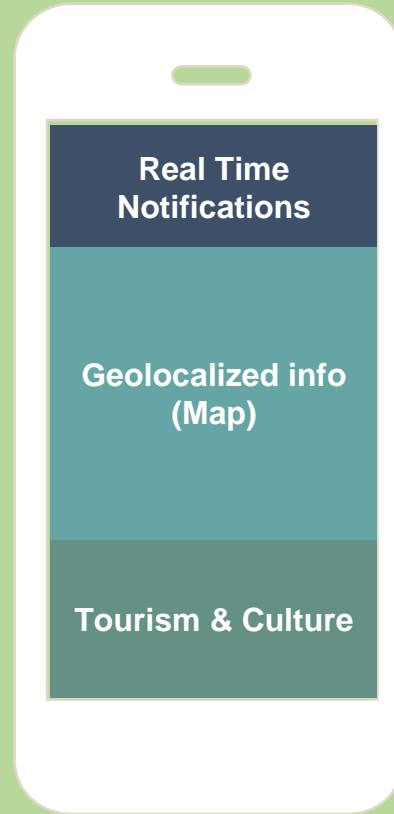
## CITY HALL NEWS & AGENDA

The AGENDA and the NEWS of the COUNCIL are offered, updated in real time..

# Results: App Valencia

...Valencia at your fingertips reach...

## AppValència



- Traffic Warnings
- Emergencies
- Possible Water leakage (suscription)

- Traffic Status
- BUS stops
- Public Bike Service
- Tube stations
- Taxi stations
- Monuments
- Nearby resources: Cheaper Gas stations, Hospitals, Chemists, etc

- Cultural routes
- Historical Monuments (AR)
- Audio guide (emblematic monuments)
- VR Tours

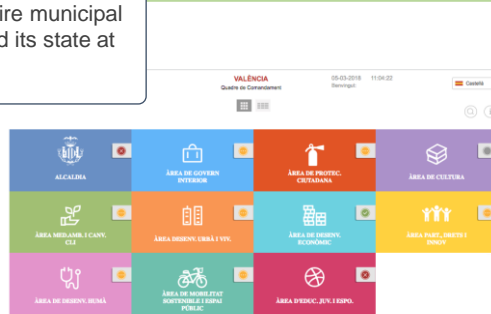


# Results: Unified City Hall Dashboard

...enables taking better decisions for the city...

## MAIN PAGE

It shows the entire municipal organization and its state at that time



## KPI LIST

List of indicators with their status, trend, current and previous values



## GEO ANALYSIS (by District / Neighborhood)

It shows the information geolocalized by DISTRICTS and NEIGHBORHOOD.

## KPI details

analysis of the data series for a given indicator, filtering by the different parameters of aggregation if available



ISO 37120



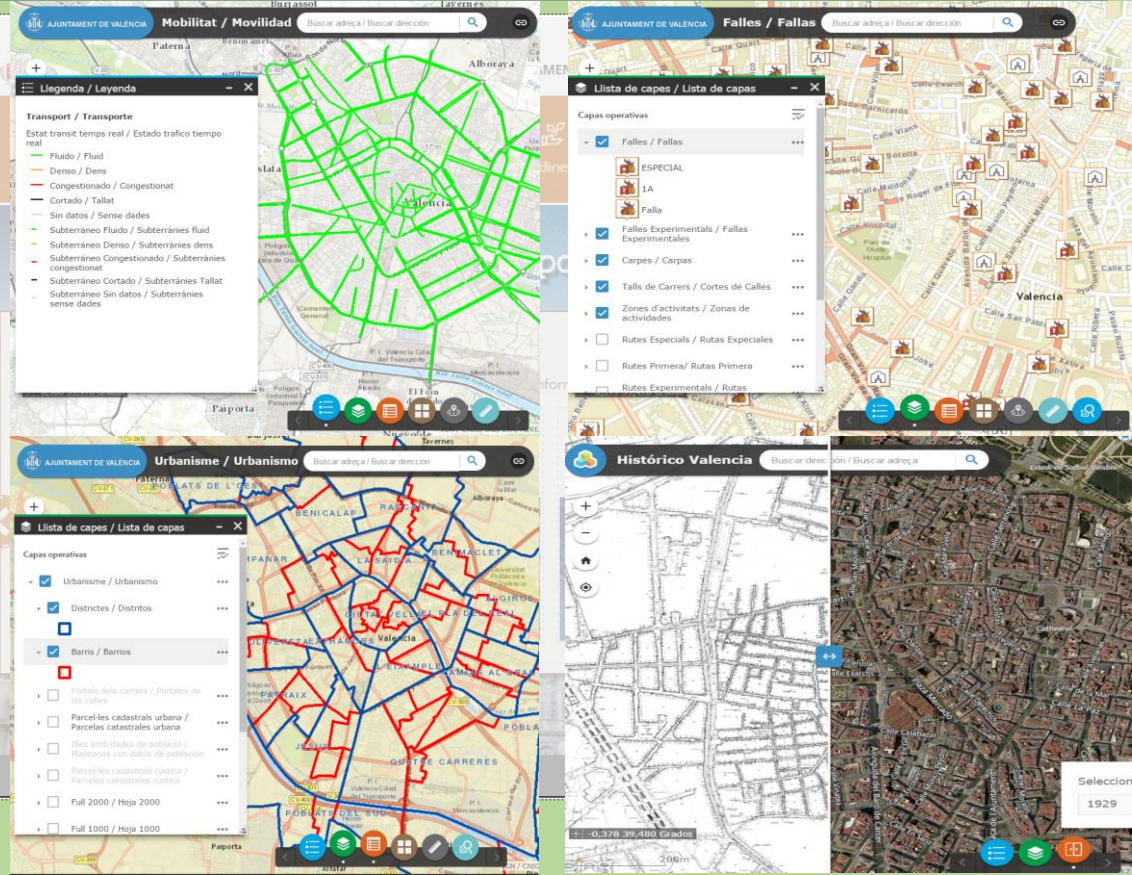
WORLD COUNCIL  
ON CITY DATA

# Results: Geoportal

...showing all available info on maps ...



<http://geoportal.valencia.es> Geoportal Avanzado



## GEOPortal

- ✓ 68 Municipal Services
- ✓ 350 Layers of Information
- ✓ +1.500 Users
- ✓ +500.000 Components

BY&FOR THE ZERO  
European Commission Smart  
Sustainable and Inclusive Growth

# “Impulso VLCi” (Red.ES)

...and there's more to come!...



- **Budget:** 5.998.733,46 € (70% Red.ES + 30% Valencia City)
- **Exec. Period:** from mid **2018 to 2020**
- **Goal:** Contribute to the VLCi project meeting the challenges established for improving the efficiency and management of the various municipal services
- **Content:** **17 activities** framed in **5 city areas:**

## Governance

- Smart Geo Services (City GIS enhancement)
- City App (enhancements & reutilization)
- Replicable developments VLCi platform

## Environment

- City services Smart management:
  - Urban Heritage conservation
  - Urban waste
  - Lighting in boroughs. (suburb areas)

## Mobility

- Efficient disabled parking management
- Load/Unload parking areas
- Taxi stops
- Regulated parking (blue zone)
- EV pilot.

## Society

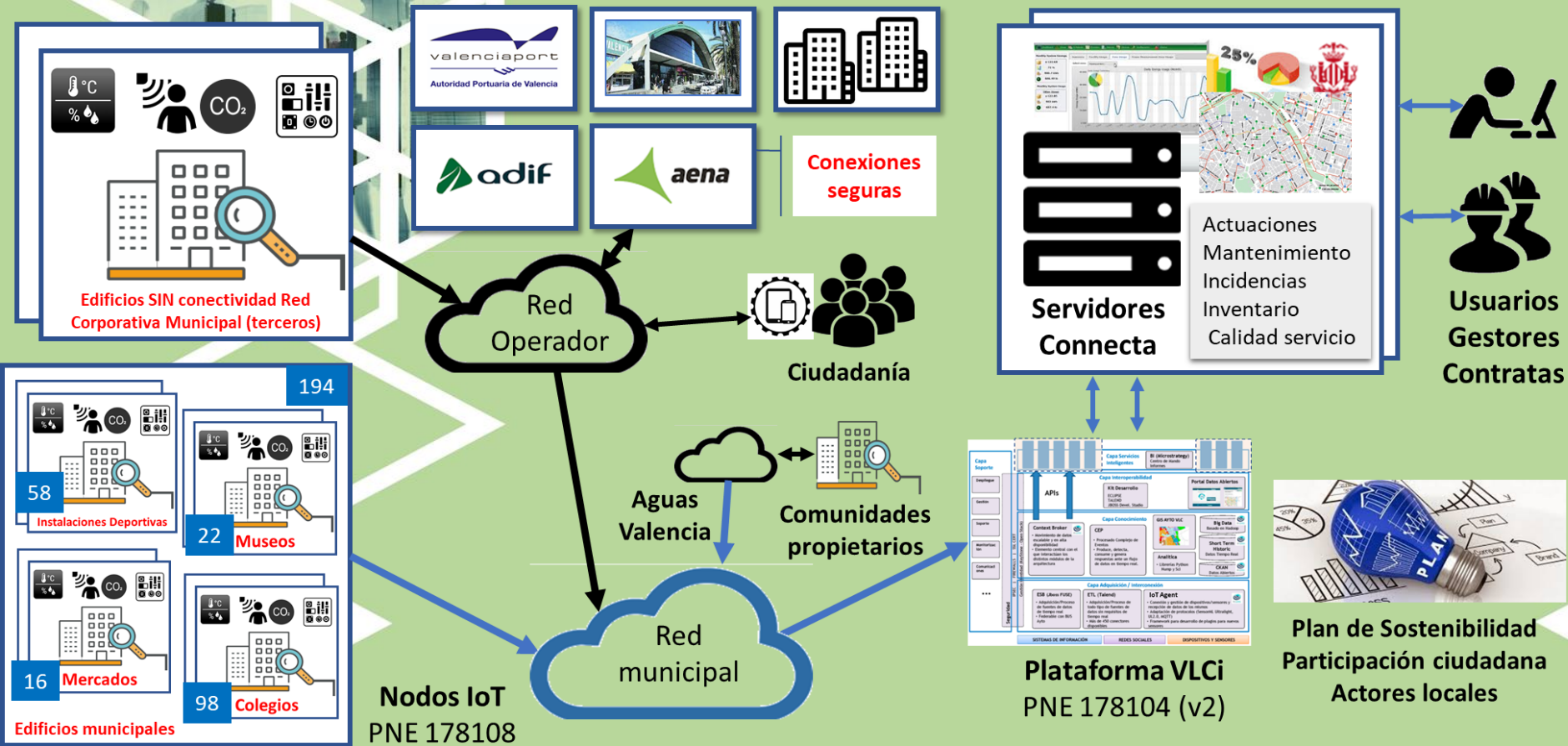
- Social Fund (water supply)
- Broadcast initiative “Impulso VLCi”
- Local Civic Network


## Wellbeing

- Urban Noise Management
- Smart Tourism
- Onboard Env. Sensors (EMT) (UrVAMM)

# “Connecta VLCi” (Red.ES)

...and there's more to come!...5M proposal for smart buildings





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**THANK YOU FOR YOUR ATTENTION!**