



**Ramón Ferri**

Chief Smart City Officer

[rferri@valencia.es](mailto:rferri@valencia.es)

**#vlci**

## Contents

- VLCi Project intro
- Project progress
- Platform architecture
- Methodology
- VLCi services & tools
- “Impulso VLCi” [Red.ES]

*"The VLCi Project was set up ...."***CONTRACT**

4 YEARS + (1 + 1)  
KickOff: 08/07/2014

**BUDGET**

4M€ aprox.  
Dimension 1: Platform Service (30%)  
Dimension 2: Prof. Services (70%)

**ORGANISATION**

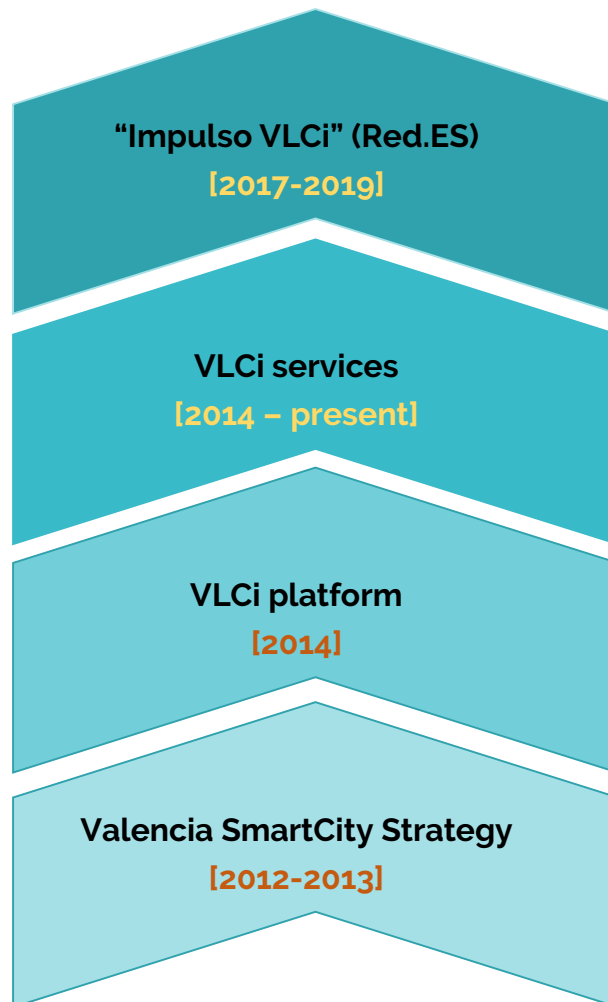
Project Managment  
Integration/Dev Team  
Strategy Team  
Platform Team

**MULTIDISCIPLINARY TEAM**

+ Project Manager  
+ Developers  
+ Designer  
+ Lawyer



*...and progressed from the strategy to the services...*

**2017-2019: "Impulso VLCi" (Red.ES)**

17 Smart Projects within the initiative.  
Budget: 6M€ (70% Financed by Red.ES)

**2014-2018: VLCi Services**

- 2014 App Valencia
- 2014 Open Data Portal
- 2015 Unified City Dashboard
- 2016 "valenciaalminut" quickdashboard (city)
- 2016 GeoPortal (GIS)

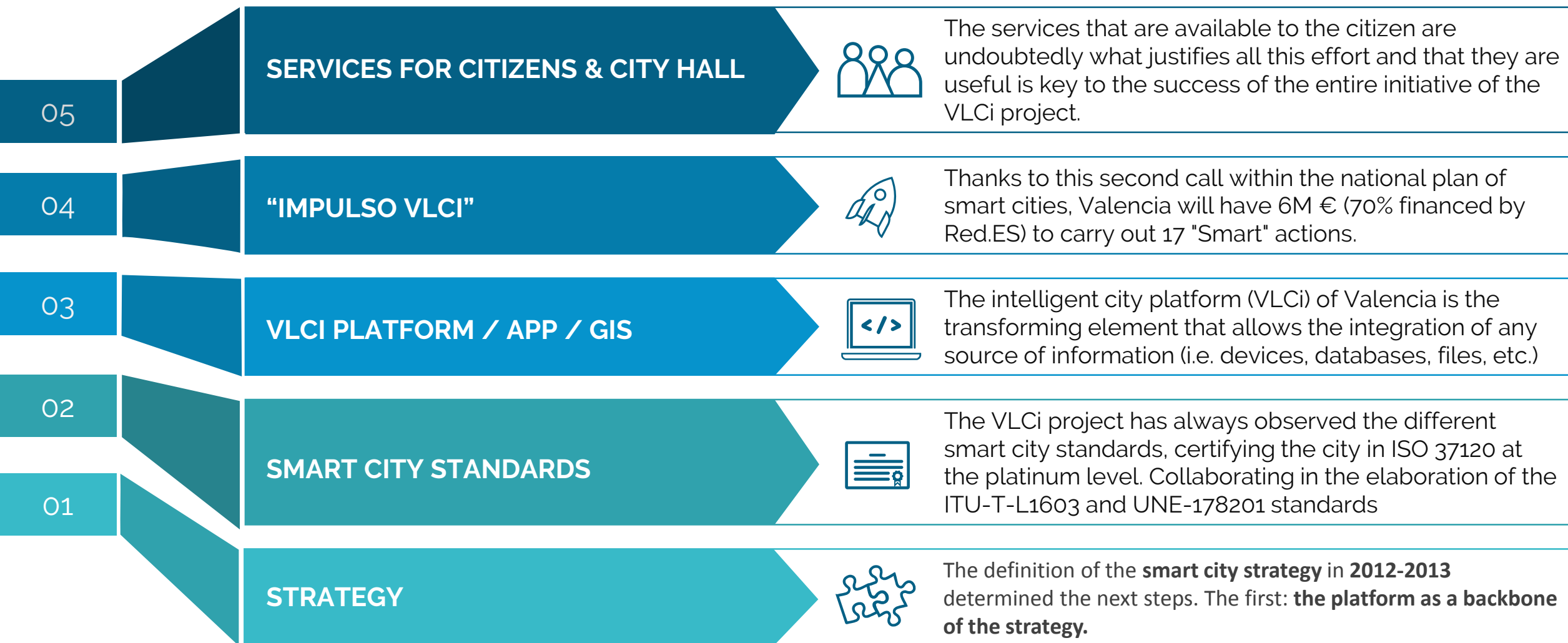
**2014-2018: VLCi platform**

SmartCity platform: permits integrating any data source (file, db, IoT devices...) to generate useful information presented in Dashboards, Maps, published in open data formats, etc

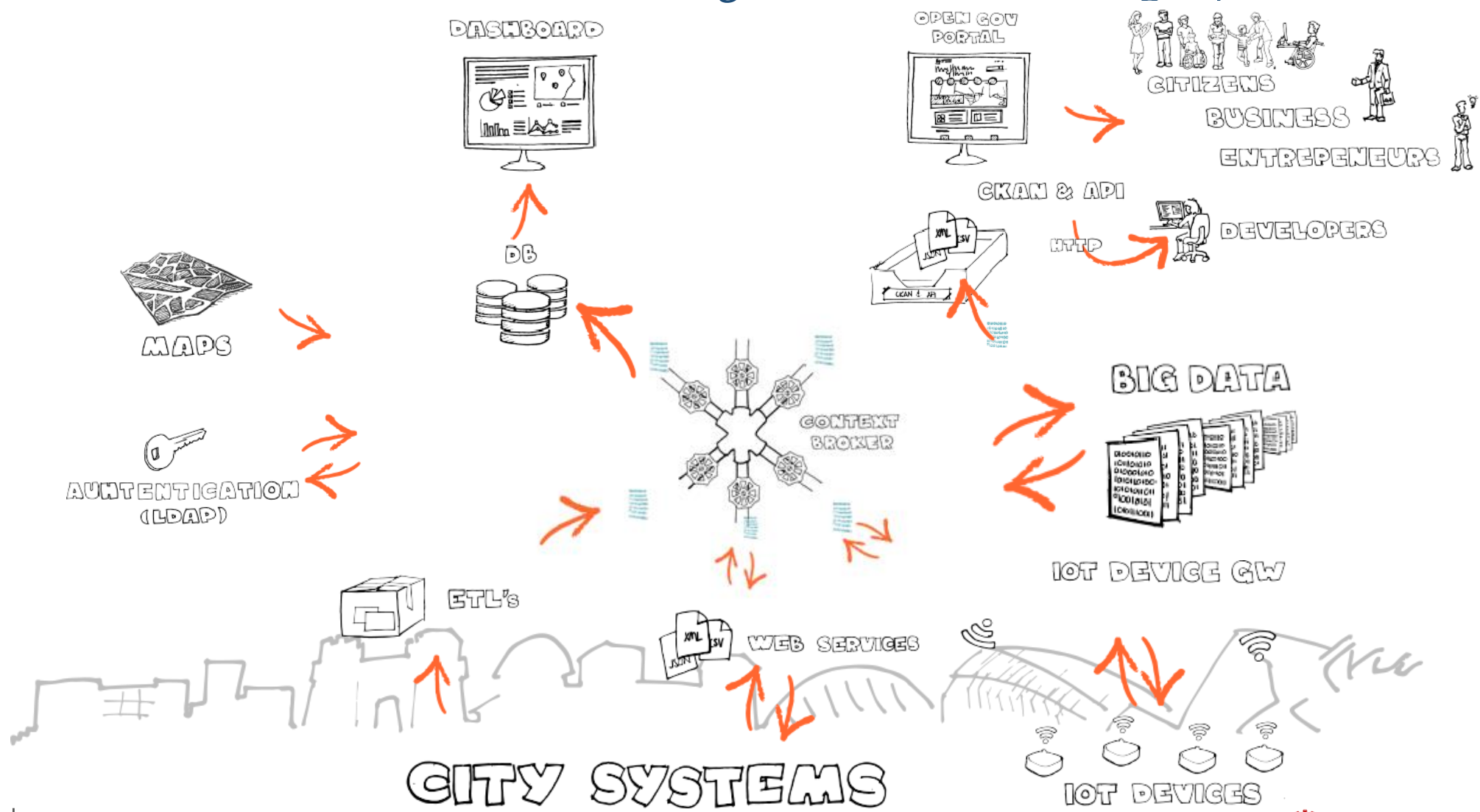
**2012-2013: SmartCity Strategy**

During this period the Smart city strategy is based. This determined the steps thereafter.  
One essential: the city platform as backbone element.

*...thanks to the city platform, the GIS, the App...*

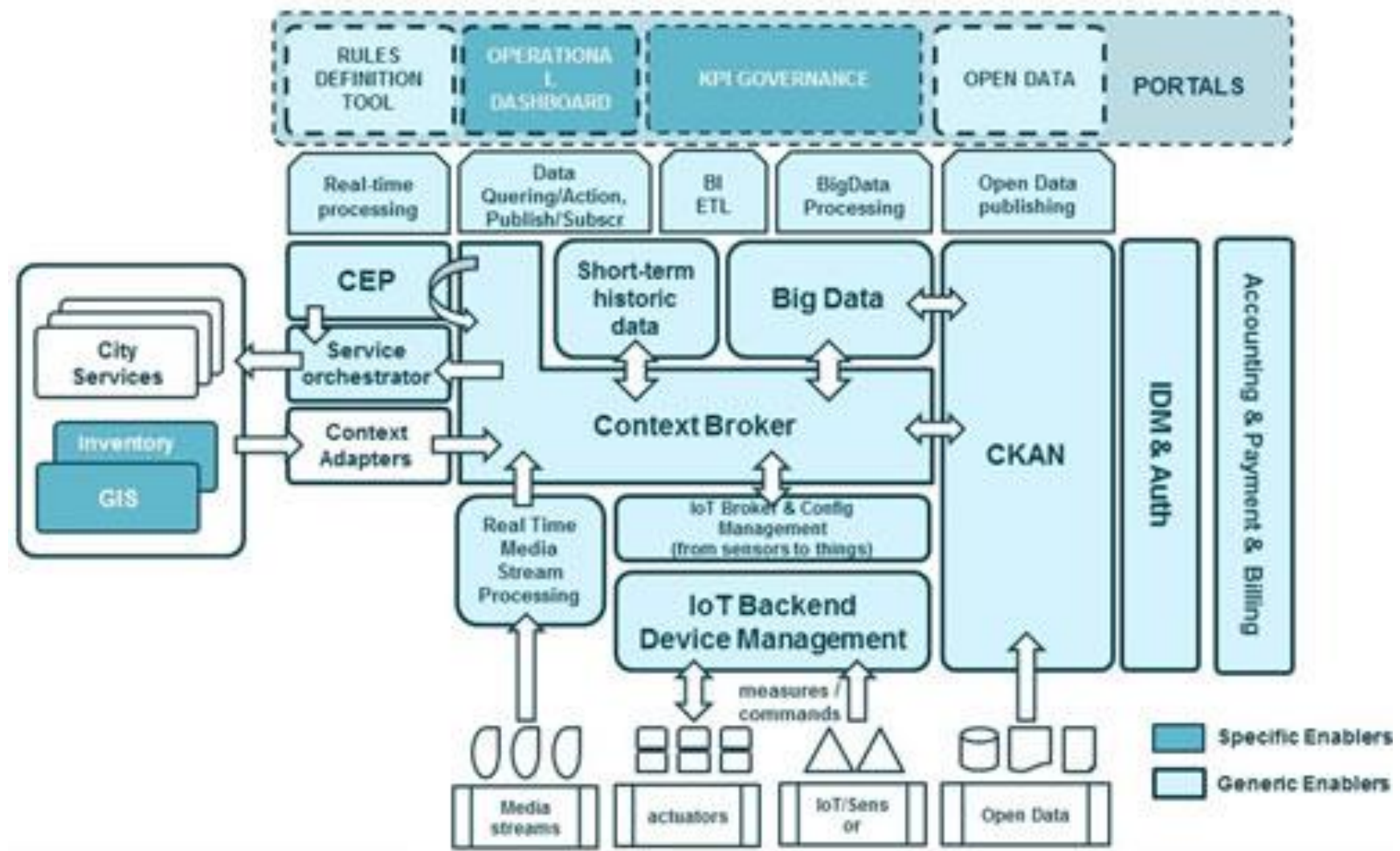


*...the platform is the backbone element, integrates all the existing information...*



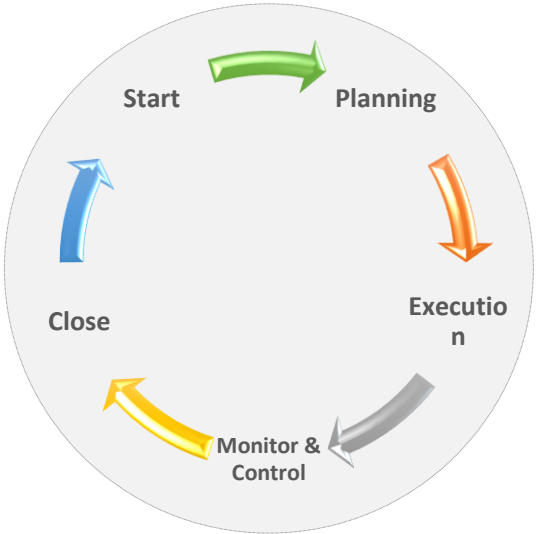
Wela Panto

...a view with deeper technical insight...

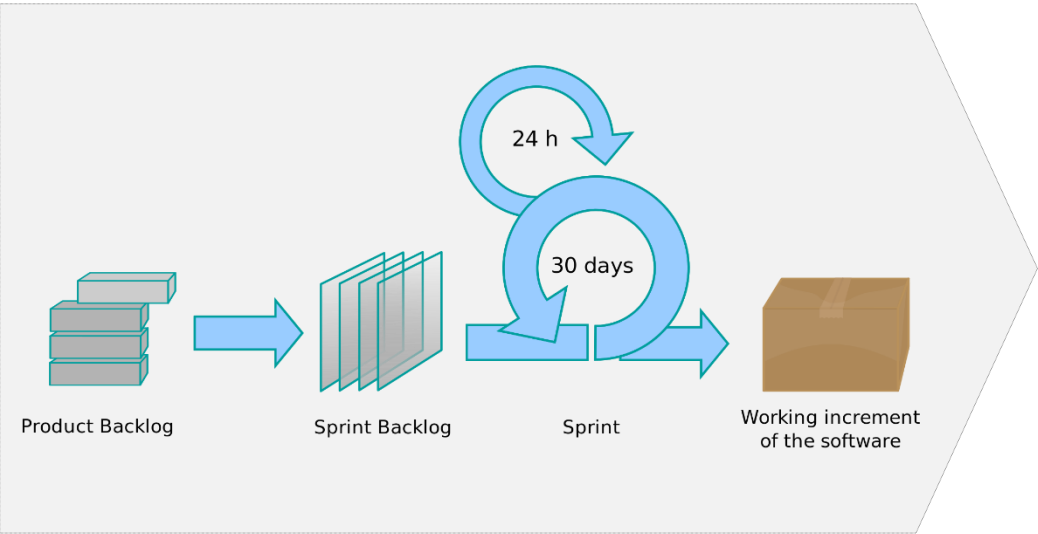


*...applying methodologies to guarantee efficiency and results ...*

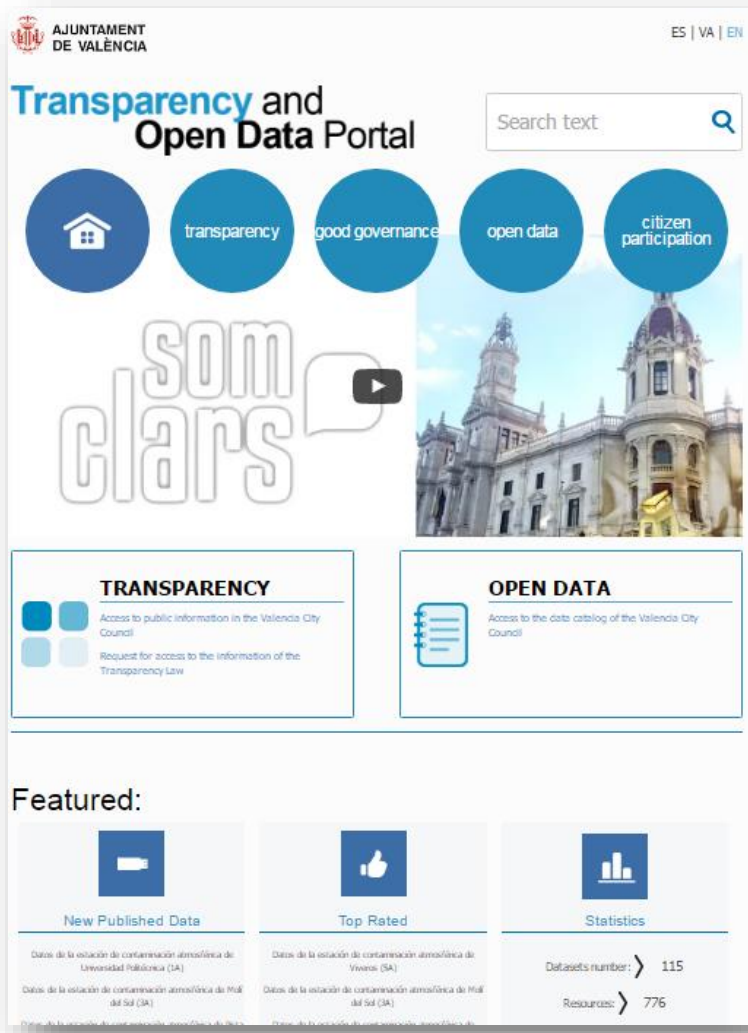
❑ Project Management



❑ Development Management



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



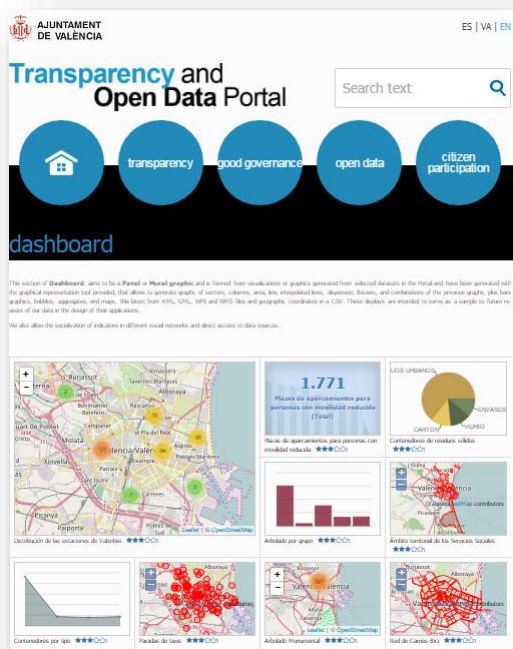
<http://gobiernoabierto.valencia.es>

### Open Data

All city datasets (>100 in >700 distribs) available for the citizen.

### Transparency Portal

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



### APIs available (CKAN & more)

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

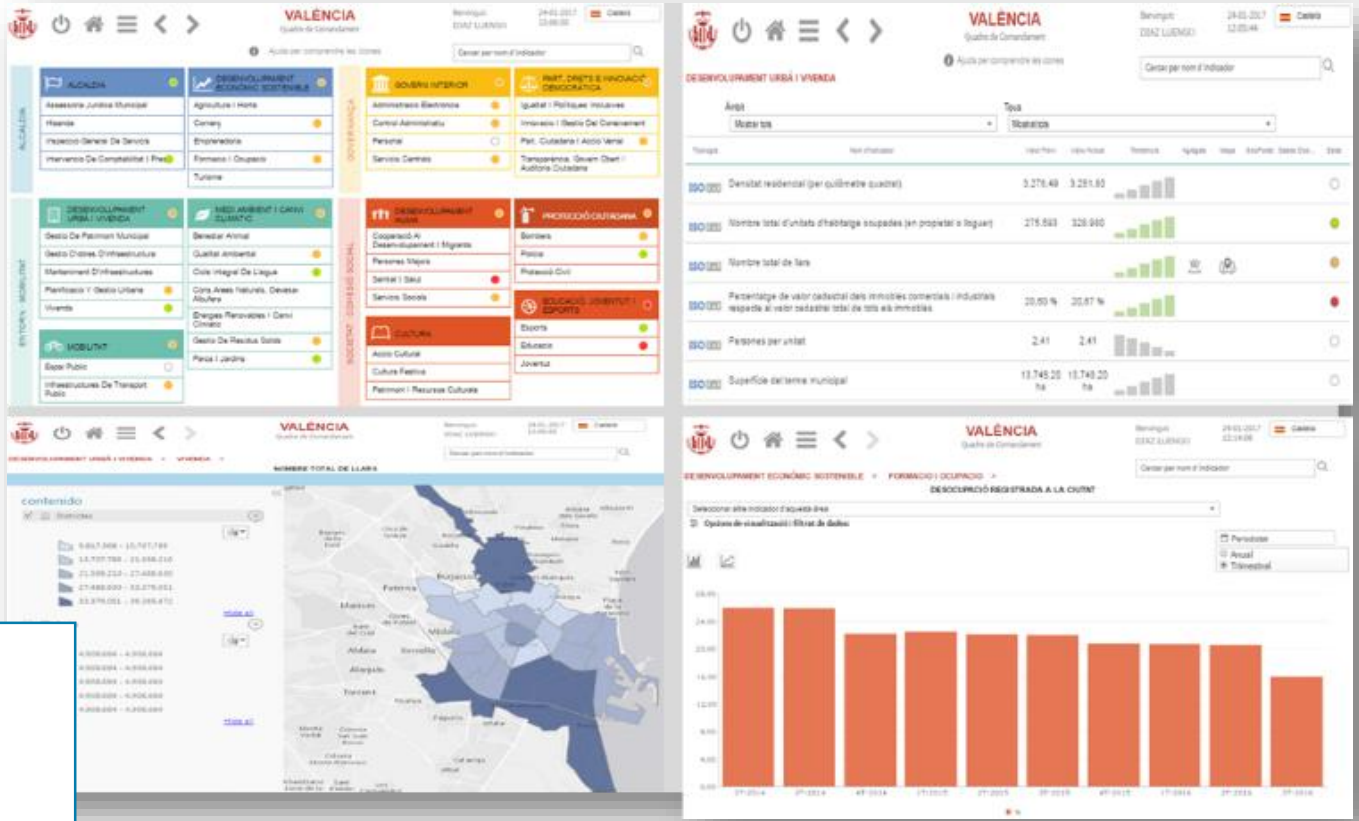
### Geopositioned info

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

...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 / Neighbourhood)

It shows the information geolocalized by NEIGHBOURHOODS and DISTRICTS

KPI details

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

...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

**PARKING AVAILABILITY**  
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.

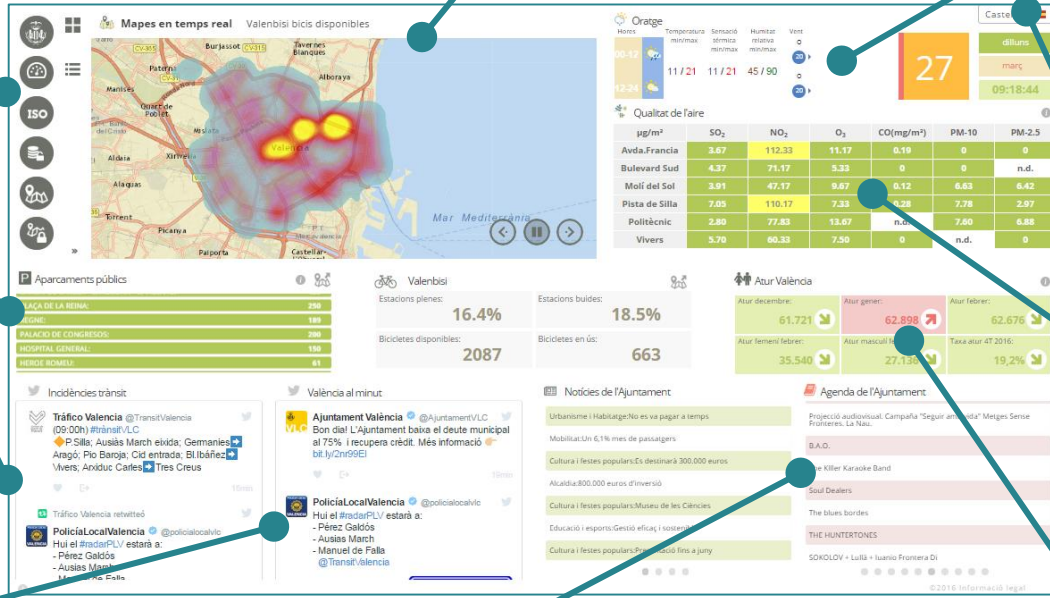
**MAP ROLLOVER**  
In which different maps are shown with different data sets of the city: "air quality", "municipal bike service use", "temperature", "traffic conditions", "EMT stops"

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

**MULTI LANGUAGE**  
Valencian / Spanish

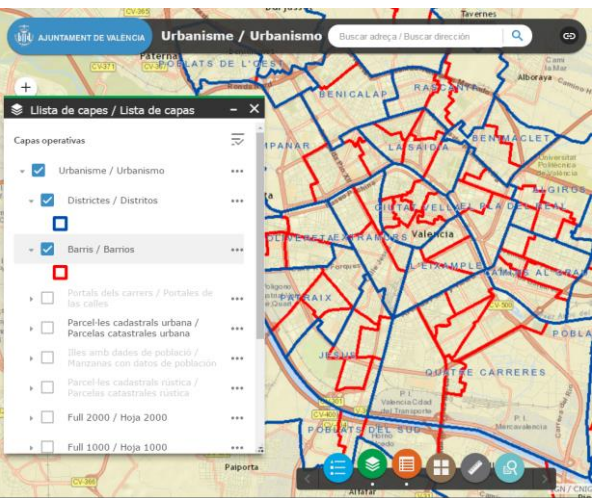
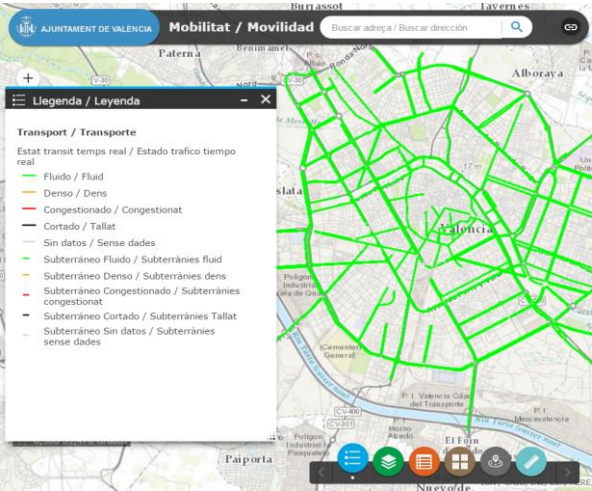
**AIR QUALITY**  
allows checking at a glance the state of air quality in the city of Valencia.

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

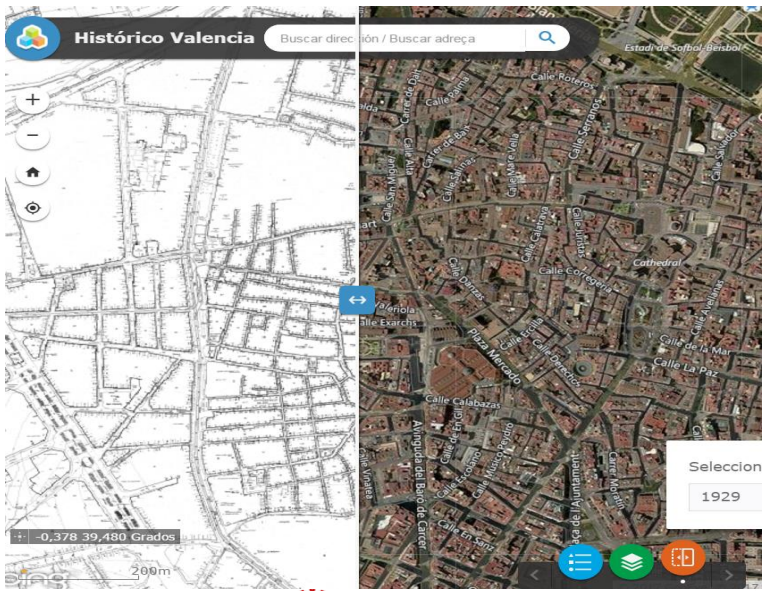
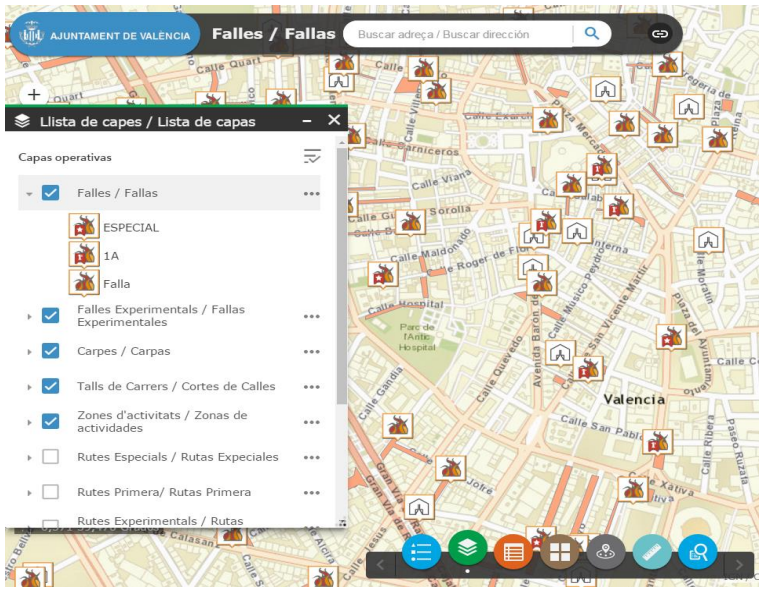
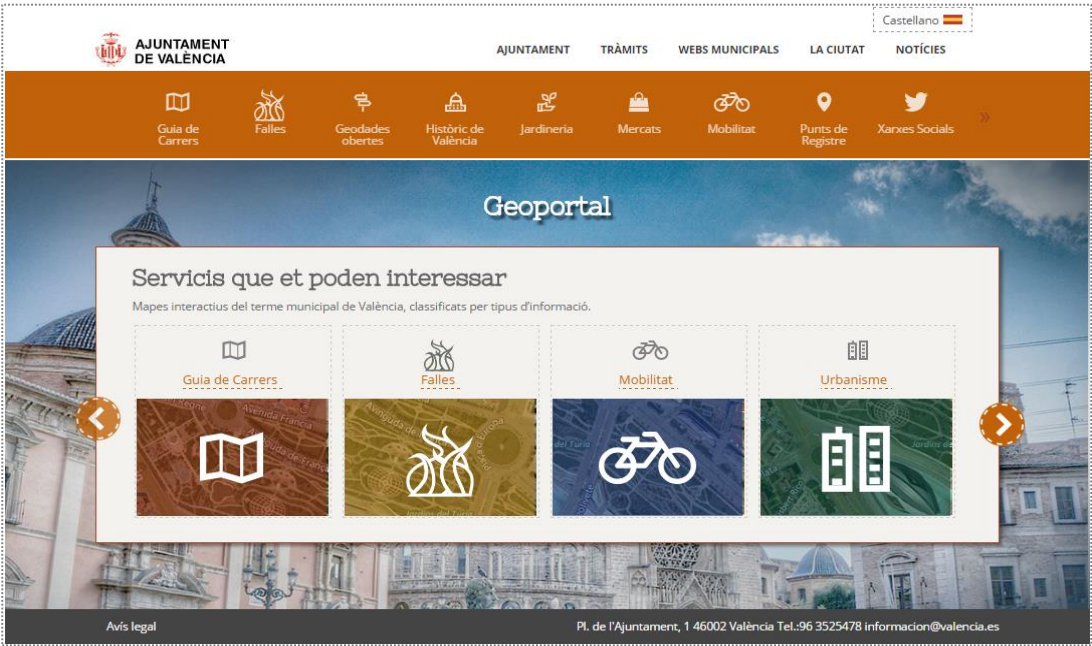


**CITY HALL NEWS & AGENDA**  
The AGENDA and the NEWS of the COUNCIL are offered, updated in real time..

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



<http://geoportal.valencia.es>

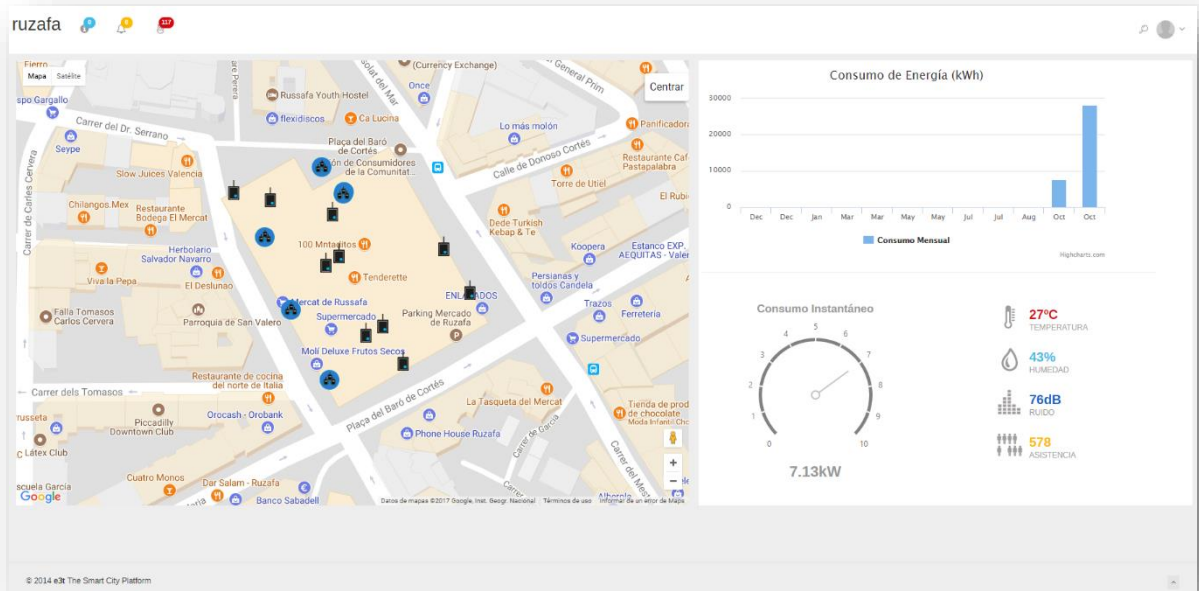


...showing all available info on maps ...

RUZAFa MARKET REAL TIME INFO



- 30 sensors to measure and monitor:**
- Gauge Capacity
  - Temp & Humidity in all market sections
  - Noise levels outside the market
  - Deterrent lights in main doors (by night)



*...Valencia at your fingertips reach...*

### Real Time Notifications

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

### Geolocalized info (Map)

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

### Tourism & Culture

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

## AppValència



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

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)

#### Budget:

5.998.733.46 €  
(70% Red.ES + 30% Valencia City)

#### Exec. Period:

from mid 2017 to 2019

#### 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





**AJUNTAMENT DE VALÈNCIA**

OFICINA DE CIUTAT INTEL·LIGENT