



Valencia SmartCity

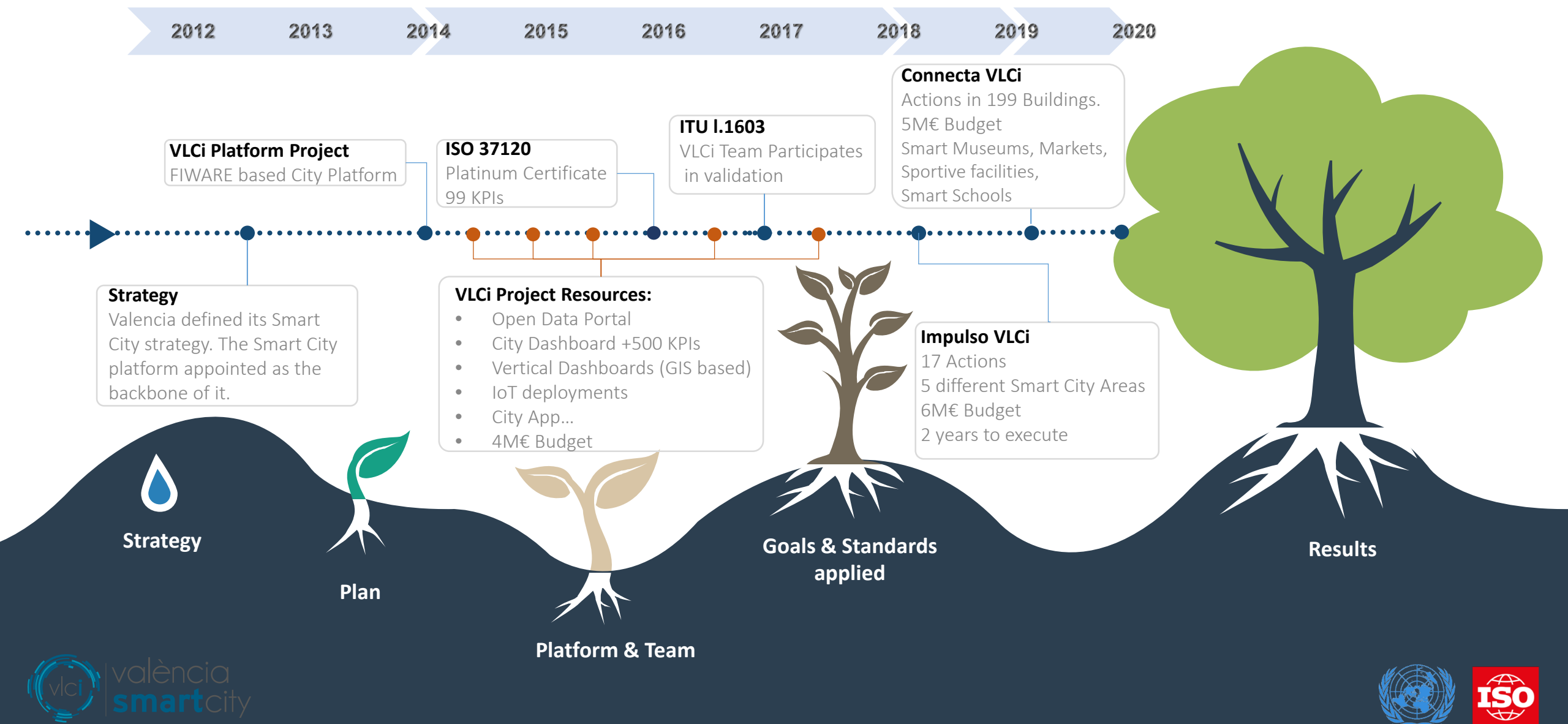
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1.-Intro Valencia Smart City



València Smart City



2.- KPI's for Sustainable City



ISO 37120



WORLD COUNCIL
ON CITY DATA

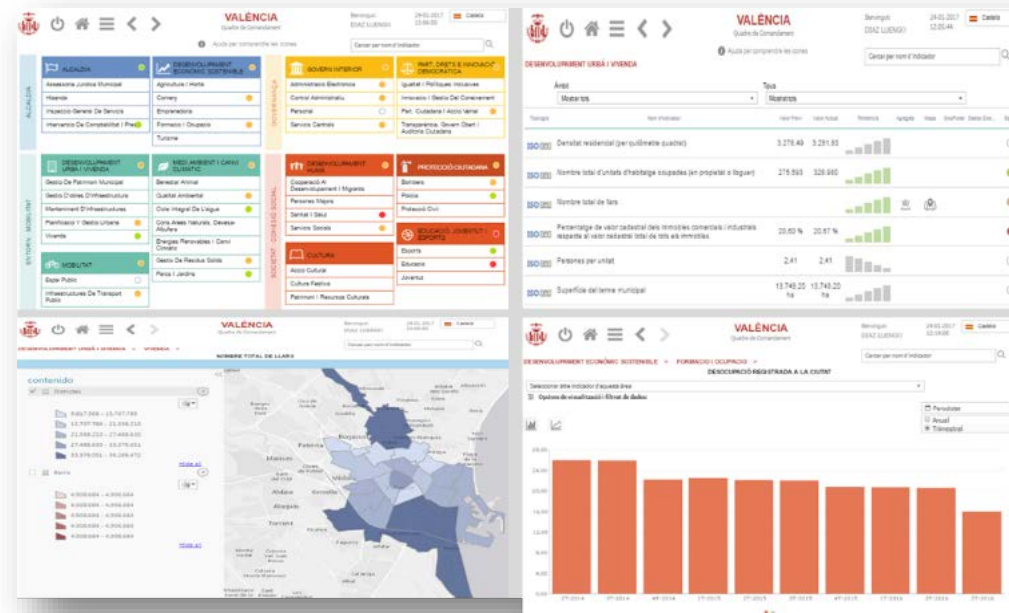
ISO 37120

- ✓ 2nd City Obtaining this Certificate in Spain
- ✓ 99 (out of 100) KPIs reported
- ✓ Recert. Planned for 2019



Open data portal

- ✓ All city datasets (>100 in >700 distribs) available for the citizen
- ✓ Transparency Portal
- ✓ APIs available (CKAN & more)



Unified City Hall Dashboard

- ✓ Main Page
- ✓ KPI List. +400 KPIs
- ✓ GEO Analysis
- ✓ KPI Details



GEOPortal

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

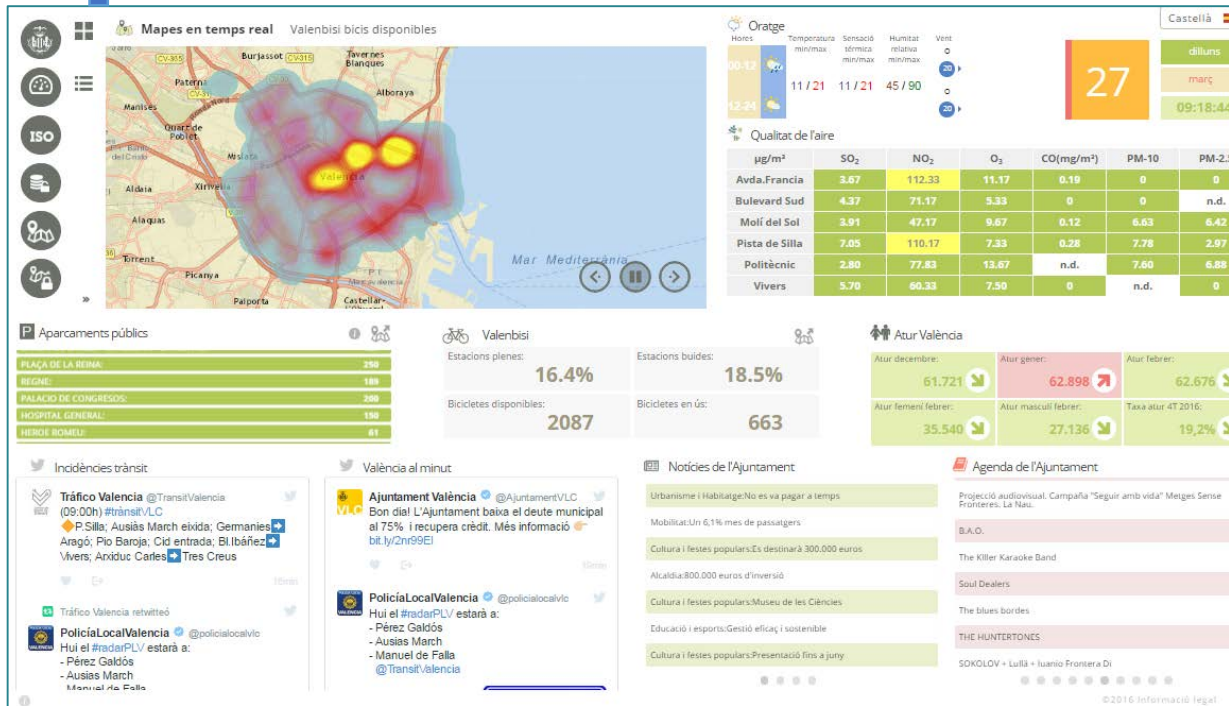


AJUNTAMENT DE VALÈNCIA
VALENCIA SMART CITY OFFICE

QuickDashboard

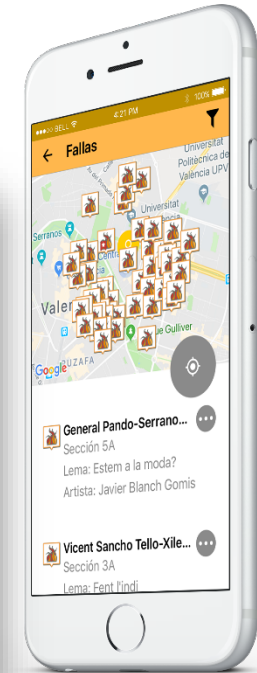
Providing the city status in "one shot"

- ✓ Map Rollover: air quality, EMT stops...
- ✓ Real time info: Air Quality, Parking availability, Public Bike Service...
- ✓ Unemployment rate
- ✓ Twitter: mobility info & City Related topics



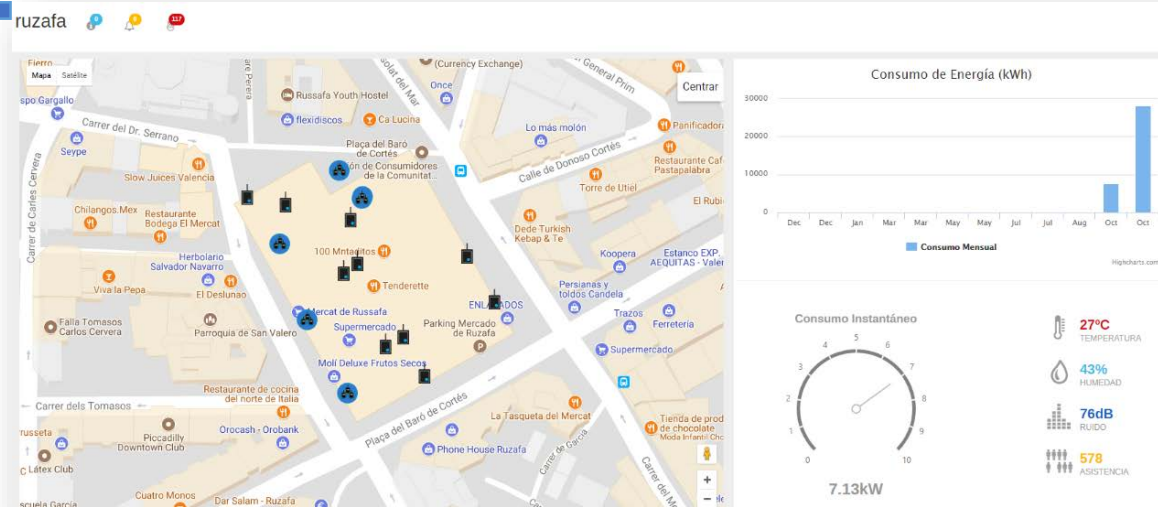
App València

- ✓ Real Time Notifications:
- ✓ Traffic Warnings...
- ✓ Geolocalized info (Map): BUS stops, Public Bike Service, Nearby resources...
- ✓ Tourism & Culture: Routes, Historical Monuments (AR)...



Connected Municipal Markets

- ✓ 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)



3.-Standards Alignment





232 INDICATORS

17 GOALS



WCCD
ISO 37120

Sustainable Development of
Communities – Indicators for City
Services and Quality of Life
100 INDICATORS. 17 AREAS

Contributes to the SDGs:



Y.4903/L.1603

Key performance indicators for smart
sustainable cities to assess the
achievement of
sustainable development goals

134 INDICATORS

4 AREAS



37122

Sustainable Development of
Communities – Indicators for
Smart Cities

85 INDICATORS. 19 AREAS

Contributes to the SDGs:

AENOR

UNE178201 Smart City Attributes and
Requirements

UNE178202 Smart cities. Management
indicators based on
balanced scorecard

UNE178104 Comprehensive systems for
a smart city management.
Requirements of
interoperability for a Smart
City Platform



Urban Report of the SDGs in Spain

Contribution of 100 SPANISH CITIES
>800.000 inhabitants

94 INDICATORS

17 GOALS

4.-Future Plans



PROJECTS

VLCi PROJECT

Valencia Smart City Strategy [2012-13]

VLCi Platform [2014-15]

VLCi Resources [2014-17]



GROW GREEN [2018-19]

Living Spaces. 3.8M€ Budget

MATCHUP [2018-20]

Urban transformation strategies. 5.6M€ Budget

IMPULSO VLCi [2018-21]

17 Actions. 6M€ Budget.

Smart Waste, Smart Lighting, Social fund Water supply,
Smart Parking, Smart Heritage...

CONNECTA VLCi [2018-20]

Transform 199 Buildings to Smart. 5M€ Budget

Smart Museums, Markets, Sportive facilities, Smart Schools



STANDARDS

ISO 37120

Platinum Certificate [2015]

UNE 178201

Smart City Attributes and Requirements

UNE 178202

Smart City

UNE 178104

Smart City Platform Interoperability

**ITU Y.4903/
L.1603**

KPIs for smart sustainable cities to assess the achievement of SDGs. Contributor and in process for certification [2018]

ISO 37120

In process for certification [2019]

**UN SDG
INDICATORS**

In progress...

**Spanish
RECI
AENOR**

Membership

ISO 37122

Working on it...

5.-Conclusions



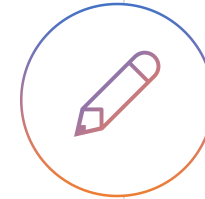
STANDARDS ARE A KEY ELEMENT IN THE DEVELOPMENT OF VALENCIA SMART CITY STRATEGY

Support city manager decisions & track City Objectives
Self-assessment & comparison with other cities
Identify new challenges
Improve transparency and citizen interaction



LESSONS LEARNED

Collaboration is key, but methodology and a structured work plan is essential
Good technical resources to help in the transformation of services for data management
Standards helped to enhance Project Definition & Control



CHALLENGES

City Department plan convergence
KPI's not always available at "city level", adaptation to geographical & local scope
Standards convergence, common indicators





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