Smart Governance in Cities
Drivers and Framework for Smart Cities Governance

Smart Cities and Territories Plans: promoting Smart Cities nationwide

Valencia, 2nd October, 2019
Objectives

- To provide better and more efficient public services to citizens and tourists.
- To improve the sustainability of our cities.
- To strengthen Spanish industry.
- To develop a set of standards and models in order to achieve replicability and scalability.

200 million € investment

<table>
<thead>
<tr>
<th>Area</th>
<th># projects</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart Cities &amp; Islands</td>
<td>28 projects</td>
<td>95,8 M€</td>
</tr>
<tr>
<td>Smart Territories</td>
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28 projects | 95,8 M€
25 projects | 73,97 M€
8 projects | 32,06 M€
Sixty one projects ongoing nationwide
## Smart Cities & Territories Components

### Smart Environment
- **Energy efficiency:**
  - Public buildings.
  - Street lighting.

- **Water Management:**
  - Park Watering.
  - Supply network.
  - Water depots.

- **Environment Management:**
  - Air quality.
  - Noise.
  - Weather sensors and stations.
  - Volcanic monitor stations.

- **Waste Management:**
  - Efficient waste collection.
  - Litter and trash sensorization.

### Smart Mobility
- **Traffic Management:**
  - Control systems.
  - Traffic lights management.
  - Signs.
  - Access to city center.
  - Occupancy monitoring.

- **Means of transport management:**
  - Fleets management.
  - Tickets payment.
  - Routes planning.
  - Bicycles hiring.
  - Ecodriving.

- **Parking Management:**
  - Public parking.
  - Signs.
  - Taxi Ranks.

### Smart Governance
- **City Management:**
  - Smart City Platform.
  - City Scoreboard and analytics.
  - Big Data.

- **Tools:**
  - CRM for citizens.
  - Smart City Apps.
  - Open Data portal.
  - E-Government.

### Smart Economy
- **Tourism:**
  - Apps & Portals.
  - Smart Tourism Center.
  - Screens and signs.
  - Tourists flows monitoring.
  - Beacons and QR codes.
  - Tourism 3D applications.

- **Entrepreneurship and innovation centers.**

### Smart People
- **Citizen participation platform.**
- **Skills development.**

### Smart Living
- **Connectivity:**
  - Public WiFi.
  - Infrastructures improvement.

### City Management:
- **Smart City Apps.**
- **Open Data portal.**
- **E-Government.**

### Tourism:
- **Apps & Portals.**
- **Smart Tourism Center.**
- **Screens and signs.**
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### Entrepreneurship and innovation centers.

### Citizen card:
- **Smartphone citizen card.**
- **Unified transport card.**
- **Access to services.**
- **Payments.**
- **Gamification.**

### Urban planning:
- **Urban infrastructure maintenance.**
- **City GIS.**
- **Spatial Data Infrastructure.**
- **Accessibility management.**
- **Smart Urban Planning.**
- **Heritage management.**

### Security and Emergencies:
- **Videosurveillance.**
- **Presence control.**
- **Emergency management.**

### Entrepeneurship and innovation centers.

- **Citizen participation platform.**
- **Skills development.**

- **City services Apps and Portals.**
The Spanish **CTN 178**, technical standardization committee in which municipalities, industry and experts play an active role, foresaw back in 2012 the importance of interoperability of the city platform, and produced the **UNE 178104 standard**, which allows the implementation of the Smart City model, avoiding silos and gathering all relevant data from different sources in order to make better and more informed decisions.

**UNE Standards, a key factor to achieve economies of scale and to ensure that investments are future-proof**

Basis for the international standardization work at the **ITU-T SG 20** on “Internet of Things and smart cities and communities”. Outcomes: Recommendations **ITU-T Y.4200 & ITU-T Y.4201**
Red.es Projects of Smart Cities, Islands, Territories and Smart Buildings

- Call and selection of projects.
- Financing.
- Technical Specification.
- Procurement.
- Management and coordination of projects.
- Impact assessment.
- Diffusion.
- Reuse of solutions.
- Promotion of standardization.
Thank you!