

Open APIs
for Open
Minds

FIWARE for Smart Cities: the vision

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Implementing Smart Solutions requires gathering and managing context information at large scale

Smart Cities



Shop

- Location
- Business name
- Franchise
- offerings



Citizen

- Birthday
- Preferences
- Location
- ToDo list

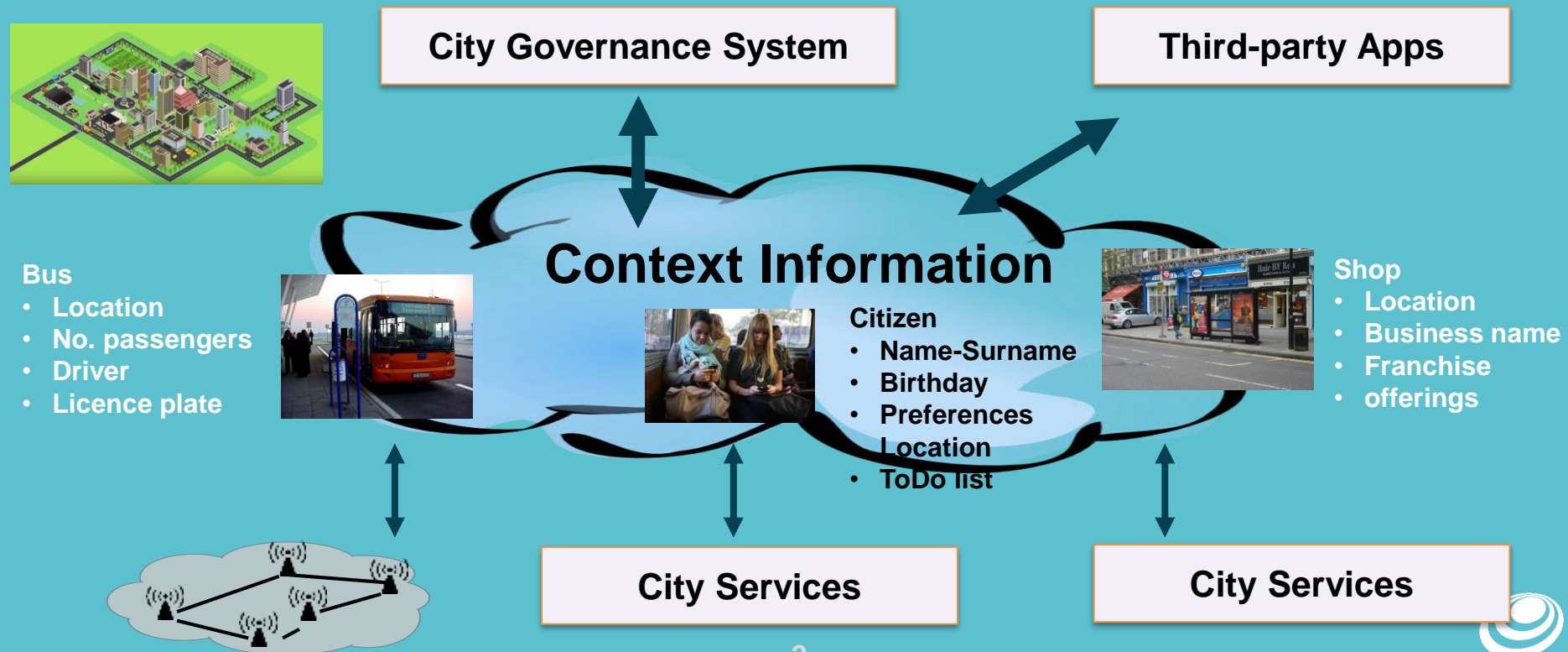


Bus

- Location
- No. passengers
- Driver
- Licence plate

Context Information Management in Smart Cities

- Systems dealing with management of city services or third-party apps (subject to access control policies) can consume and update context info
- Overall city governance can rely on context information available (real-time and historic) to monitor KPIs and run BigData analysis



Once context information is gathered, a lot of useful complementary FIWARE enablers can be used

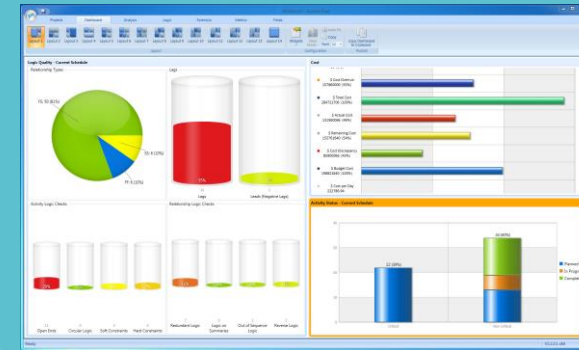
Advanced Web-based UI
(AR, 3D)



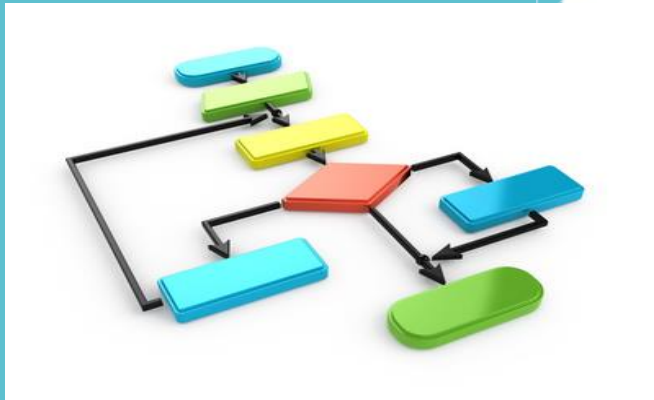
Open data publication



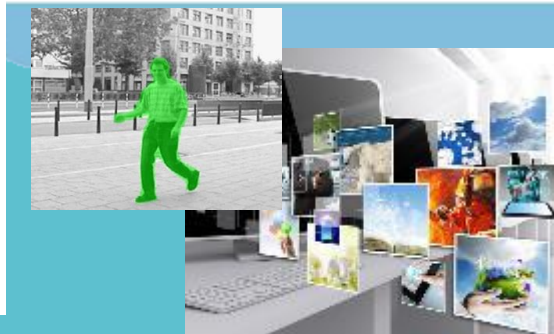
Data/Apps visualization



IoT-enabled Context Information Management



Complex Event
Processing



Multimedia processing



Big Data Analysis

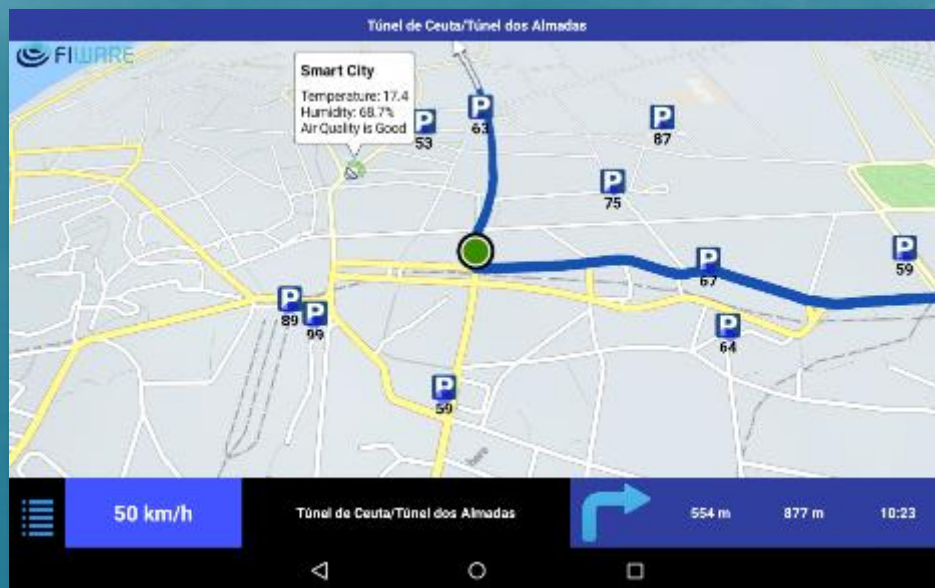
Shared context information would boost innovative services and the development of multi-side markets



THE DATA ECONOMY

Standard APIs and Information models will enable portability of solutions across cities and interoperability within a city

City of Porto



City of Santander



Adoption of FIWARE standards helps to build a connection between industry and cities ...



89 cities
19 countries

Common APIs:

FIWARE NGSI to start with

Standard Data Models:

CitySDK and more

Platform for Open Data/API publication

Driven by implementation approach



TM Forum & FIWARE APIs are part of a Business Framework that serves the emerging economy of data.



FIWARE has been recognized as major contributor for a shared IoT-Enabled Smart City Framework. The initiative is led by NIST

| Thank you!

<http://fiware.org>

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