FIWARE: Cooperation with TM Forum to support Smart Cities Standards Development

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We have a dream ...
What if...
we could integrate information from different sources within a City in a common Context Information layer

- Holistic vision
- Interoperability between verticals
- Extraction of more valuable insights
... this City Context Information layer were accessible through a Common Open API, using Common Information Models

- Portable Governance Solutions
- Vertical solutions more easy to plug or replace
- Sharing of best practices between cities made easier
- Smart Cities as a market where it will be more attractive to invest
... part of the City Context Information is available in "right-time" to third parties

- Open Innovation ecosystem on shared data
- Smart Cities as an attractive market for entrepreneurs
... a data publication platform is enabled where any actor can share their data and get something in return

- The City as an enabler of the Data Economy
- More data (from others), better insights
Smart Cities: the journey we dream cities can make

**Efficient and Open**
- Vertical solutions (some being IoT-enabled) bringing efficiency in silos
- Historic data as open data
- Information still in vertical silos, no global picture

**Truly Smart**
- Horizontal platform gathering “right-time” context info from different vertical services
- Common information models
- Smart City Governance Solutions

**Unleashing Right-time Open Data**
- right-time context info published to third parties
- authorization and access control (API management)
- open innovation ecosystem

**Support to Data Economy**
- city as a platform including also 3rd party data enabling innovative business models
- open and commercial data enabling multi-side markets
Reference Architecture – Open APIs

Common Information Models

Paving the way towards transforming cities into platforms enabling the Data Economy
FIWARE: why (in Smart Cities)?

100+ cities
22 countries

- Common API: FIWARE NGSI
- Standard Data Models built collaboratively
- Platform for Open Data/API publication
- Driven by implementation approach

FIWARE NGSI and Context Broker Technology has been selected to become a CEF (Connecting Europe Facility) Building Block
It’s time to execute!

Standard common information models → Transference to Market → driven by implementation

front-runner cities

Challenge 1 = City 1 + City 2 + City 3

Challenge m = City k + City n

App 1 + City 1 = App i + City 2

Transference to Market

FIWARE
Searching for the frontrunner cities
Do you share our dream?
Thank you!

http://fiware.org
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