BORDEAUX MÉTROPOLE

OPEN & AGILE SMART CITIES

OASC – Connected Smart City conference

“Scaling up the proof of concept”

Brussels
12 January 2017

From demonstrators to large Scale deployements

- All major European cities are eager to deploy new smart city services on a large scale.

- Facing this demand, the providers offer solutions that respond to highly variable functional perimeters which are not often interoperable between them.

A complex Smart City eco system

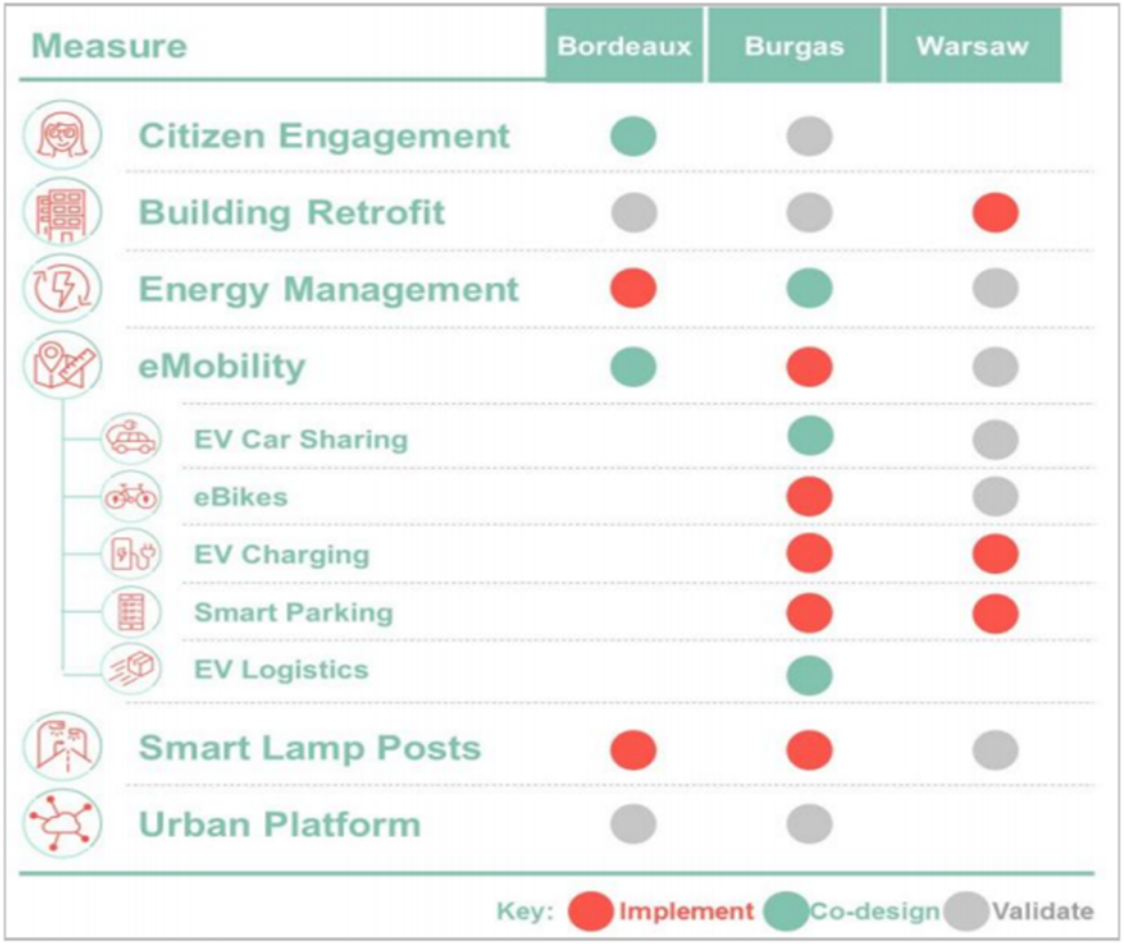
Cities needs

- Guidance
- Indicators (KPIs)
- Confidence in investments
- Tangible proof of concepts and showcases
- Plug tests

Eurocities KSF standards and Interoperability WG

- lobbying for less technical guidelines on S&I.
- Defining and listing cities' needs on standards with particular emphasis on desired outcomes to be addressed to the European Commission to ask standardisation bodies to mandate certain standards.
- Mapping members' current approaches through a short survey.
- Creating a library of standards used by members.

The Sharing cities replication Work Package



ETSI TC ATTM sdmc WG

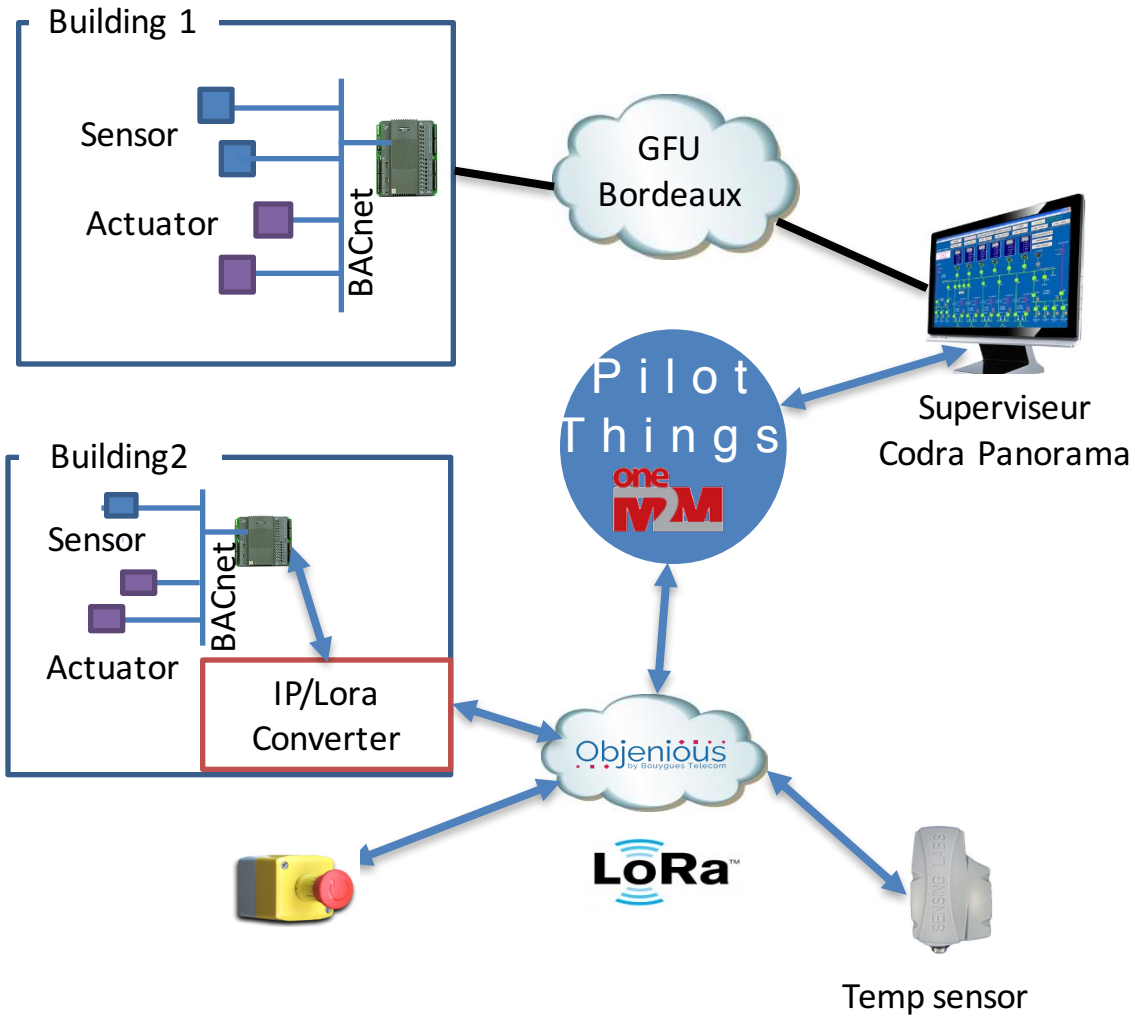
WG SDMC will work on deployment of ICT systems, and networks, and sites allowing interactions for data capture (both data consumers and providers) and management of data within each service and between different functions and services and will produce:

- Standardisation work on specific engineering of SDMC ICT
- Specifications of topology and functional requirements
- Specifications of functional and physical characteristics of interfaces
- Standardisation work on operational sustainability management

A first TS 103 463 stable draft released

Defining indicators (KPIs) for Smart Cities expressing city level in terms of People, Planet, Prosperity and Governance.

A use case for energy management in Bordeaux's schools

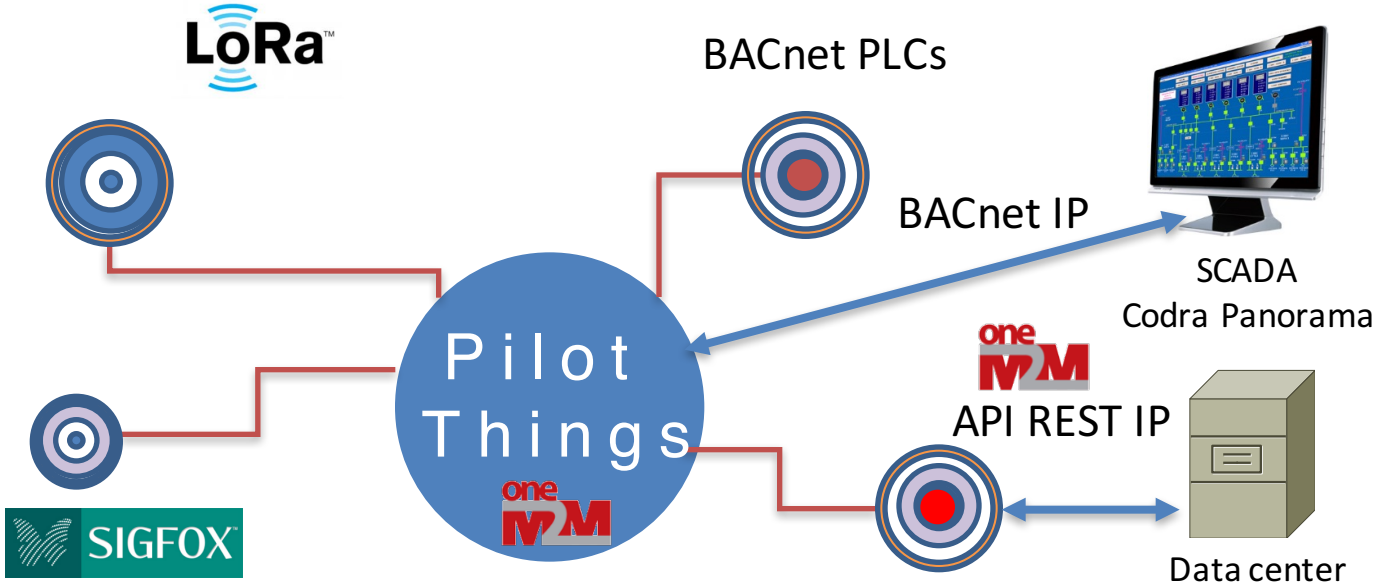


For remote sites without IP connection, converter retrieves data from BACnet PLCs and then uses Lora (Objenious operator) technology to communicate

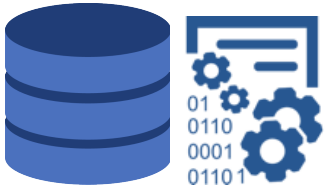
The new Lora compatible sensors communicate directly via the Objenious operator.

Pilot Things software harmonises different data from different buildings and technologies

A use case for energy management in Bordeaux's schools



Other technologies



The data representation is the same whatever the way to collect it

http://www.etsi.org/news-events/events/1086-2016-11-etsi-iot-m2m-workshop-2016-featuring-the-smart-world

A use case for energy management in Bordeaux's schools

https://www.youtube.com/watch?v=QXsoWQ-lXLw&list=PL8yKKrEnV3IiAt6Lq9Xa6uW3vOs1R-_YB&index=2

The next steps and events

Eurocities: Green digital charter and knowledge society forum joint meeting: CITIES IN TRANSITION

25 January 2017

Brussels

Bordeaux Metropole: ETSI workshop and showcase: Scaling up the proof of concept (from Smart City demonstrators to large scale deployements)

30, 31 May and 1st June 2017

Cité mondiale, Bordeaux (France)

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Thanks for your attention

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