AIOTI
ALLIANCE FOR INTERNET OF THINGS INNOVATION

Report of the Smart Cities session

Highlights

❖ Introduction (Olavi) about the scope of the session

  ➢ Key aspects of the session: reference architectures, standards, semantic interop, etc.

  ➢ Timing is perfect to bring voices together but need to be quick, how do we move to large scale deployment (as opposed to pilots)

❖ Presentation provided from different initiatives: OASC, Synchronicity, City Catapult, AIOTI WG08, Espresso – EIP SCC, Hypercat & CityVerve etc. Presentations highlighted:

  ➢ **Requirements** are hard to collect, usually cities think Dilemmas

  ➢ **technology** (data lake<u>S</u>, Data Hub, interoperability using Hypercat, APIs, Context information, IoT, vertical/horizontal, semantics, ontologies, persistent identifiers, privacy and security, etc.

  ➢ **Sustainable development vs. business models**

❖ ESPRESSO (support action): validate reference architectures, provide overview of standards, fast track procedure to the SDOs (on behalf of cities), etc.

Highlights

❖ Portability of services:
- ➢ Should be an IoT requirement
- ➢ A standard, if deployed by only few players, becomes a form of lock in

❖ Is it possible to pick the right standard for smart city?

❖ What are the pivotal point of interoperability (PPI) for smart cities? This is similar to OASC (minimal interoperability)
- ➢ Need to be mindful of security and privacy, SLAs, etc.
- ➢ Establish a tiger team to work on PPIs (hosted by AIOTI WG08) for smart cities

❖ Business models are being covered by EIP-SCC, we should use them as important input

❖ Data lakes, CIM, multiple heterogenous data sets, the network is the database
- ➢ Hypercat can solve the issue
- ➢ Need to align terminology

❖ ETSI ISG CIM just started, let's use it for data lakes…