

# 2<sup>nd</sup> IoT Platforms & Standardisation

## WORKSHOP



## When & Where

**Friday 27 April 2018, Brussels**

**European Commission BU-25 - Room 0/S1**

**Avenue de Beaulieu 25, 1160, Auderghem, Brussels**

## Workshop's Objective

For the second year this joint workshop organised by DG CONNECT and AIOTI (the Alliance for Internet of Thing Innovation) will gather representatives from European research projects, Large Scale Pilots, Public Private Partnerships and leading standardisation organisation. Participation to the workshop is open to all and the event will be webstreamed.

Standardisation is playing a key role in the consolidation of IoT landscape. Since many of the benefits of IoT will occur on the basis of widespread adoption, the development and adoption of global standards is pivotal to ensuring economies of scale and impact. Due to the broad range of standardisation activities, and the numerous application domains it is essential to ensure efforts are properly coordinated towards converging standards toward interoperable implementations.

The objective is to take stock of the major achievements of the IoT LSPs in particular their effort to define robust reference architectures and uses cases, as well as the AIOTI WGO3 and other PPPs standardisation actions, and map the SDOs activities onto the reference architecture and interoperability mechanisms. Parallel tracks will be organised across verticals around common topics to identify converging standardisation roadmaps and joint actions (e.g. Smart Farming – Industrial IoT - Industrial Data Space - Identifiers, Smart Cities – Smart Homes – Smart Energy).

## Expected Outcome

- Mapping of existing standards and on-going standardisation activities from leading standardisation organisations including forums and consortia,
- Identification of converging standardisation roadmaps and joint actions.
- process/actions on strengthening the cooperation between AIOTI, PPPs and SDOs
- process/actions on engaging the H2020 IoT LSPs, as well as future DEI Large Scale Pilots to contribute on the work on IoT platforms and IoT standardization activities

# Agenda

**08:30 - 09:00** *Registration*

**09:00 - 09:20** **Welcome & opening**

**Franck Boissière**, DG CONNECT, European Commission - H2020 ongoing calls & policy updates

**09:20 - 10:10** **AIOTI, H2020 update**

Chair: **Rolf Riemenschneider**, DG CONNECT, European Commission

- Update on Main AIOTI WG03 activities by **Patrick Guillemin**, AIOTI WG03 Chair
- IoT identifiers, what's next? **Jürgen Heiles**, Co-chair of the AIOTI task force on identifiers for IoT
- Report from previous day workshop: LSP use case and reference architecture mapping by **Emmanuel Darmois**, IoT LSPs Activity group leader

**10:10 - 10:40** **PPPs, H2020 convergence panel**

Chair: **Arian Zwegers**, DG CONNECT, European Commission

- IoT and DEI by **Jochen Friedrich**, Joint MSP/DEI Working Group on standardisation in support of Digitising European Industry
- BDVA-AIOTI Memorandum of Cooperation, **Ana García Robles**, BDVA **Arne Berre**, SINTEF

**10:40 - 11:00** *Break*

**11:00 - 12:30** **SDOs 'hot' topics - Recent developments pitch, roadmapping convergence**

Chair: **Patrick Guillemin**, AIOTI

- Saref/Semantic Interoperability, **Martin Bauer**, Leader AIOTI IoT semantic interoperability sub-group
- Web of Things, **Dave Raggett**, W3C
- FIWARE Context Broker for the Data Economy, **Juanjo Hierro**, FIWARE foundation
- FIWARE/NGSI-LD **Lindsay Frost**, Chair ETSI ISG CIM
- 5G/IoT convergence: and use cases **Georgios Karagiannis**, AIOTI WG03 co-Chair
- Big-Data, **Marco Carugi**, ITU Liaison
- IoT Virtualisation and microservices in STF 535 **Emmanuel Darmois**, Team leader ETSI STF 535

**12:30 - 13:30** *Lunch Break*

**13:30 - 15:30** **Breakout sessions**

**Structured dialogue along the lines:**

1) Reference Architecture Model, 2) Mapping of SDOs 3) joint planning 4) LSPs contributions

## **Smart Farming/Industrial IoT**

**Moderators: Rolf Riemenschneider, Joel Bacquet**, DG CONNECT, European Commission

### **Topics:**

AIOTI HLA/BDVA Data Architecture  
SAREF4AGRI  
oneM2M/ETSI STF 542  
Industrial DataSpace  
FIWARE/OPC-UA

## **Smart Cities/Smart Homes**

**Moderators: Olavi Luotonen, Peter Wintlev-Jensen**, DG CONNECT, European Commission

### **Topics:**

ETSI-ISG CIM - NGSI-LD  
ITU FG-DPM  
oneM2M  
SF-SCCC  
SAREF4CITY/ENER

**15:30 - 16:00** *Coffee Break*

**16:00 - 16:30** **Breakout sessions report**

**16:30 - 17:00** **Closing remarks & open discussion**