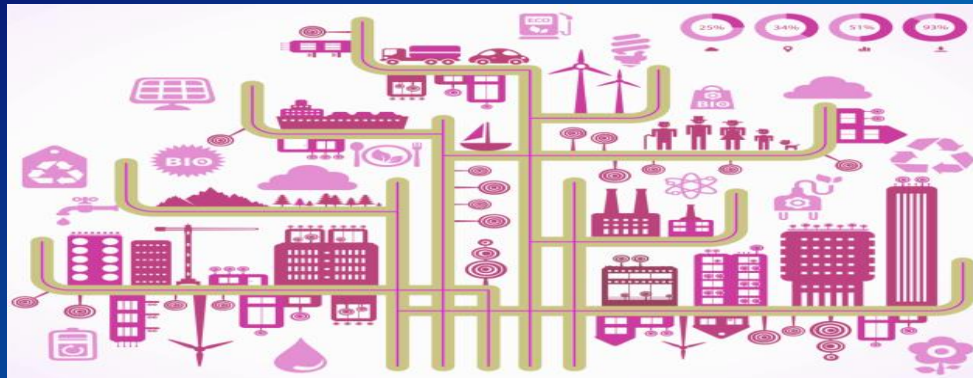


# HORIZON 2020 WP 2016-17

## **EUB-02-2017** **Brazil: IoT Pilots**

# Internet of Things

As enabler of a future hyper-connected society, the Internet of Things is set of sensors, actuators, smart objects, data communications and interface technologies that allow information to be collected, tracked and processed across local and global network infrastructures.



# Joint Call

## EUB-02-2017: Brazil: IoT Pilots

### Challenge:

- In order to make use of the rich potential of the Internet of Things (IoT) in real-world scenarios, technologies and tools developed so far need to be demonstrated in controlled environments with the ultimate goal of validation. Given the specific nature of this Call, widely replicable pilots are targeted in view of solving specific societal challenges, in the context of EU-Brazil cooperation.

### Scope:

- The joint call would support three pilots each addressing a distinct area among the following areas of interest for EU-Brazil collaboration:
  - ***Environmental monitoring***
  - ***Utilities: smart water management***
  - ***Utilities: energy management at home and in building***
  - ***Smart assisted living and well-being***
  - ***Smart manufacturing: customization***

### Budget:

- EU contribution: 4,5 MEUR (funding rate: 100%)

### Dates:

- Call opening: 8<sup>th</sup> November 2016, call closing 14<sup>th</sup> March 2017 17.00

# Joint Call

## EUB-02-2017: Brazil: IoT Pilots

### Expected impact:

- Pilots should empower citizens, both in the public and private spheres, and businesses, as well as improve the associated public services where appropriate. Pilots are not only expected to validate technologies and architectures for a specific set of use cases requirements, but also the related business models to guarantee the sustainability of the approach. Security and privacy aspects relating to access to and processing of collected information need to be properly taken into consideration.
- Improved sharing of information, approaches and solutions, as well as expertise through:
  - pilots on both sides and across the Atlantic, involving end-users.
  - establishing common benchmarks;
  - contributing to standardisation and to open-source and open-data repositories
  - linking with ongoing work in the IoT Focus Area.

**Proposal**

# Community-Building

**EU-BR Joint Call Cooperation and Networking Event**

**September 2016, São Paulo, Brazil, 1,5 days**

**Organized by Brazil and DG CONNECT**

## **Purpose**

- Creation and fostering new and to foster existing links between European and Brazilian actors in the field of IoT, Cloud and 5G.
- European actors are coming from industry, academia, innovation and creativity hubs, end-users and industrial alliances such as AIOTI - Alliance Internet of Things Innovation.

## **Topics**

- EUB-01-2017 Cloud Computing
- EUB-02-2017 IoT Pilots
- EUB-03-2017 5G



# Internet of Things Focus Area

- Fostering the take-up of IoT in Europe and enabling the emergence of IoT ecosystems supported by open technologies and platforms.
- Supported IoT Pilots will use the rich portfolio of technologies and tools so far developed and demonstrated in reduced environments and extend them to real-life use case scenarios.
- Support actions provide consistency and linkages between the pilots and complement them by addressing horizontal challenges critically important for the take-up of IoT at the anticipated scale.
- A coordination body will ensure an efficient interplay of the various elements of the IoT-FA and liaise with relevant initiatives at EU, Member States and international levels
- Research and innovation effort in specific IoT topics will ensure the longer-term evolution of the Internet of Things

# Policy cooperation: the IoT Large Scale Pilots link to AIOTI – Alliance Internet of Things Innovation

- Initiated by the EC in March 2015 the European Commission for working closely with all stakeholders and actors of the Internet of Things.
- Building an IoT innovation ecosystems across the value chain /across silos
- Put IoT on the map and link to PPPs, JTI, and national initiatives
- Advancing IoT convergence across verticals for standardisation/ interoperability
- Provide Recommendations for the implementation of LSPs
- Discuss with industry to provide guidance for IoT in the DSM
- Get conencted on [www.AIOTI.eu](http://www.AIOTI.eu)

