# FESTIVAL

The development of the Internet of Things is set to have a strong impact on many aspects of the society. Test-beds and experimentation facilities, both of small scale and up to city scale, will be an essential enabler for the development of this vision. There have been long years of research work in Europe and Japan on federation of testbeds and more recently on IoT testbeds. FESTIVAL, as a common testbed infrastructure for efficient communication and collaboration among stakeholders, will push European and Japanese IoT testbeds and their practices one step beyond the current state of the art.

## HOW DOES IT WORK?

FESTIVAL project's vision is to provide IoT experimentation platforms enabling interactions with physical environments and end-users, where experimenters can validate their Smart ICT service developments in various domains such as smart city, smart building, smart public services, smart shopping, participatory sensing, etc. FESTIVAL testbeds will connect cyber world to the physical world, from large scale deployments at a city scale, to small platforms in lab environments and dedicated physical spaces simulating real-life settings. Those platforms will be connected and federated via homogeneous access APIs with an "Experimentation as a Service" (EaaS) model for experimenters to test their added value services.



**FESTIVAL concept**

## KEY OBJECTIVES

- Exploit existing European and Japanese assets to enable IoT data collection and processing.
- Enable federation and interoperability of the testbeds through a common API.
- Build services and experimentation over the federated testbeds cutting across various application domains (energy, building, shopping…).
- Offer access to external experimenters in both Europe and Japan through a Experimentation as a Service model.
- Evaluate the technical, economic and societal performance of the experimentations.

## HOW TO GET INVOLVED?

The FESTIVAL project will participate in various national and international events such as hackatons, meetups and relevant conferences in order to involve external experimenters and to offer them access to the experimentation facilities. FESTVAL will also launch an Open Call for experimenters in the project's second year (October 2015).

Despite the fact that there will not be a specific funding for those calls, the experimenters will be able to benefit from the experimental IoT infrastructure that will be provided by the project, both in Europe and in Japan.

## PROJECT FACTS

**COORDINATOR:** Levent GURGEN, CEA-LETI (France); Morito Matsuoka, Osaka University (Japan)
**EXECUTION:** From 2014-10-01 to 2017-09-3
**PARTNERS:** CEA-LETI (France) (Coordinator), Universidad de Cantabria (Spain), Engineering Ingegneria Informatica SpA (Italy), Easy Global Market (France), inno TSD (France), Ayuntamiento de Santander (Spain), Sopra (France), Osaka University (Japan) (Coordinator), Japan Research Institute for Social Systems (Japan), Kyoto Sangyo University (Japan), Knowlege Capital Management Office (Japan), JR West Japan Communications (Japan), Ritsumeikan University (Japan), ACUTUS (Japan).

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**INFORMATION:**
www.festival-project.eu

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