



# **EUJ-03-2016**

## **Experimental testbeds on Information-Centric Networking**



# EU – Japan collaboration in the field of Experimental platforms



➤ 1 project from 1<sup>st</sup> EU-JP Coordinated Call

**FELIX** - FEderated Test-beds for Large-scale Infrastructure eXperiments - (04/2013–03/2016)

New **SDN**-oriented service architecture capable of federating heterogeneous high-end Future Internet facilities through high capacity networks (e.g. JGN-X, GÉANT, GLIF or NRENS), offering the creation of the **experimental landscape** in a dynamic and seamless way

[www.ict-felix.eu](http://www.ict-felix.eu)



European  
Commission

Communications Networks,  
Content & Technology



# EU – Japan collaboration in the field of Experimental platform



- 1 project from 2<sup>nd</sup> EU-JP Coordinated Call

**FESTIVAL** - FEderated interoperable Smart ICT services

deVelopment And testing pLatforms - (10/2014–09/2017)

**IoT experimentation platforms**, federated via an “Experimentation as a Service” model, providing interaction facility 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.

[www.festival-project.eu](http://www.festival-project.eu)



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Communications Netw.  
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# 3<sup>rd</sup> EU-JP Call - EUJ-03-2016 Specific Challenge

- Past close and complementing research and developments on **information-centric networking** and **efficient media distribution technologies** in Japan and Europe
- Need for global **experimentation** with close to reality setup / **test and validation** of new solutions from the network layer up to the application layer





# EUJ-03-2016 – Scope

- **Develop** frameworks, architectures, protocols or tools for efficient media and content distribution on content-centric networking and **enable the experimentation** by building a **large scale global Information-Centric Networking (ICN) testbed**
- Building upon previous research (e.g. CUTEi, Fed4Fire, Contrace, Testman, Felix, Green-ICN ...)
- Strong cooperation between **academia and industry**
- Importance of **experimenters** experience and interaction





# EUJ-03-2016 – Expected Impact

- Enabling global scale experimentation, with **very large testing capacities** for the distribution and management of networked media, rich and large contents
- Identification and validation of **interoperable technologies** for ICN
- Validation of **new framework, architectures or protocols** for ICN
- Influence and contribute to **testbeds federation** at the global level





# EUJ-03-2016 – Conditions

- Research and Innovation action
- Max funding: 1.30M€ (EU) + 1.30M€ (JP - NICT)
- Call opening: 20<sup>th</sup> October 2015  
closing: 19<sup>th</sup> January 2016
- One project of 36 months is foreseen
- Others EU-JP **specific conditions** – Check the Work Programme!





# Informal Guidance

- Familiarize with Japan and Europe **testbeds**, **portfolio of projects** and other relevant developments
- **Quality of proposals** even more important in Horizon 2020
  - Weaknesses will not be negotiated but only scored during evaluation
- **Innovation** aspects must be evident also in the Research & Innovation actions (100% funding)
- Involvement of **Industry** partners and in particular **SMEs**



# Thank you for your attention!

