



**ICT-12-2016**

**Net Innovation Initiative**

# ICT-12a: Innovation Actions (1/2)

- i. FIWARE adoption
  - take-up of FIWARE in **cities**
  - evolution of the FIWARE platform with new context-aware services addressing the needs of cities
- ii. Ecosystem creation
  - development of an engagement strategy
  - building and supporting an open **community** of FIWARE innovators and users (hackathons, challenges, community programmes for startups and SMEs, link to related national and regional programmes)

# ICT-12a: Innovation Actions (2/2)

## iii. FIWARE sustainability and evolution

- further evolution of the FIWARE platform by an open community
- execution of a **roadmap** (set of supported enablers, reference implementation in open source, maintained and made available to third parties, clear terms and conditions)
- build an open source community to manage the integrity and evolution of the FIWARE technology and to ensure a real multi-vendor approach

## iv. Acceleration activities

- support SMEs and startups taking research results of projects in the domain of Future Internet
- financial support to third parties (typically EUR 25,000-75,000 EUR)

## ICT-12b: Distributed architectures for decentralized data governance (1/2)

- Demonstrating a **distributed open hardware and software platform** (for communications, cloud computing or Internet of Things)
- Supporting decentralised data and identity management and bottom-up participatory innovation
- to provide SMEs, social enterprises, industries, researchers, communities and individuals with a new development platform, which is intrinsically protective of the **digital sovereignty** of European citizens

## **ICT-12b: Distributed architectures for decentralized data governance (2/2)**

- Fully distributed, e.g. using decentralised algorithms based on blockchains
- Resilient, intrinsically resistant to malware and hacking
- Preventing any possible centralisation of data storage or data management
- Able to provide federated identity management

# ICT-12b: Goal

- Design, develop and demonstrate an architecture for such a platform
- Involving
  - **technological actors** (P2P and open source developers, open hardware manufacturers, experts in security, encryption, anonymity, blockchains and linked data)
  - **civil society** organisations (citizens' organisations, digital rights advocacies, artists, social scientists)
  - **developers** of the overlying social applications and systems (creative industries, SMEs, social entrepreneurs, software developers).
- To create robust **open standards** for distributed and decentralised architectures (in coordination with industry and academia)



# ICT-12c: Coordination and Support Actions

- Support for collaboration and networking in the domain of Future Internet
- Organisation of the Net Futures conference
- Increased multi-disciplinary collaboration among Future Internet communities



# ICT-12-2016: Good to know

- ✓ **Opening (tbc!):** 20 October 2015
- ✓ **Submission deadline (tbc!):** 12 April 2016
- ✓ **Types of action:** Innovation Action (IA, 12a), Research and Innovation Action (RIA, 12b), Coordination and Support Action (CSA, 12c)
- ✓ **Budget:** 15M € (12a), 5M € (12b), 200,000 € (12c)

## Websites

<https://www.fiware.org/>

<http://ec.europa.eu/digital-agenda/en/collectiveawareness>