Objective ICT-2013.10.1
EU-Japan research and development Cooperation

Futur Internet Research & Experimentation (FIRE)

e) Global scale experiments over federated testbeds:
Control, tools and applications

Call opening: 2\textsuperscript{nd} October 2012
Call closing: 29\textsuperscript{th} November 2012
What is FIRE?

FIRE Research

FIRE Experimental Facility

User Communities

FIRE Experimental Facility

Test bed 1
Test bed 2
Test bed 3
Test bed 4
Test bed 5
Test bed 6
Test bed 7
Test bed 8
Test bed 9

Federated Service Testbeds
Federated Network Testbeds

Exp1
Exp 2
Exp 4
Exp 3
Exp 5

Exp1
Exp 2
Exp 4
Exp 3
Exp 5

Validation
Long-term Research
Large Scale Experiments
Requirements

User Communities
FIRE current projects

Experimental Facilities

CONFINE
EXPERIMEDIA
Smart Santander
TEFIS

OFELIA
OPENLAB
BONFIRE
CREW

http://www.ict-fire.eu/

Experimentally-driven Research

CONECT
SCAMPI
EULER
CONVERGENCE
LAWA
HOBNET
SPITFIRE
NOVI
RESUMENET
ECODE

Coordination and Support Actions

FIRESTATION
Research Objective EU-JP call

Target
The goal is to enable experiments across testbeds as a framework for understanding the management of heterogeneous resources, the access to these resources and the evaluation of their usage.

What we are looking for:
- Software solutions that are suited to control and deploy an experiment, using distributed resources of various testbeds, possibly wired and wireless.
- Solutions will be demonstrated for various scenarios ranging from wireless testing to Information-Centric networking.
- The solutions should then be disseminated for a large adoption, eventually going beyond the testbed framework if appropriate.
Research Objective in details

- Research will focus on Software Defined Networking (SDN) paradigm which enables parallel deployment of slices assigned to virtual network providers.
- The activity should produce a demonstration of the relevance of the proposed solutions in a heterogeneous environment.
- The software developed in the research projects should target deployment and evaluation in the available testing facilities on both sides (OFELIA, OpenLab, JGN-X).
Research Objective

Expected Impact

Interoperability of distributed resources for experiments across heterogeneous testbeds to help researchers both from academia and industry from Japan and Europe to work together for the future of internet
**Avoid**

- Proposal relating only to future internet research and not clearly demonstrating the integrated perspective
- Pure academia-driven proposals
- Missing long-term vision and planned activities of the EU-Japan co-operation
Thanks for your attention!

Contacts:

Jacques Babot
Team Leader for International activities
European Commission
Communications Networks, Content & Technology
Experimental Platforms

Jacques.babot@ec.europa.eu

Further Information:

http://cordis.europa.eu/fp7/ict/fire
http://www.ict-fire.eu
FIRE LinkedIn: //linkd.in/x1CcZ1