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: 2nd October 2012
Call closing: 29th November 2012
What is FIRE?

FIRE Research

Long-term Research

Validation

Large Scale Experiments

FIRE Experimental Facility

User Communities

Requirements

FIRE Research

Federated Network Testbeds

Federated Service Testbeds

Exp1

Exp 2

Exp 3

Exp 4

Exp 5
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
HOBNET
SPITFIRE
NOVI
RESUMENET
LAWA
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!

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Further Information:

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