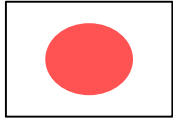

Opportunities for finding Japanese partners for the joint EU-Japan call

Nozomu Nishinaga





JAPAN – EU Research and Development Cooperation -Background-



1st EU-Japan Symposium
2008 Jun. 8- Jun. 10
@ Brussels



2nd Japan -EU Symposium
2009 Oct. 13 -14
@ Tokyo



3rd EU-Japan Symposium
2010 Oct. 20-21
@ Tampere





4th Japan -EU Symposium
2012 Jan. 19
@ Tokyo



DDG level



Outline of the Coordinated Call

- Open and Close : in this Autumn (2 months)
- Funding : to EU communities from EC
- Funding : to Japanese communities from Japan ( or )
- Evaluation : Joint evaluation committee from Japan and EU
- Project start : April 2013 (TBD)
- Project life time : 36 months

Cooperation Field between Japan and EU



a) Optical Communications

- All-optical **100 Gbit/s per wavelength Ethernet** system
- Further enhancement on a **system level of the future Ethernet transport networks** by advancing the technologies to efficiently incorporate all network layers, to achieve high-rate server connectivity, and reliable and efficient network access and core switching

b) Wireless Communications

- **Ultra high data rate and short-range** wireless systems using **millimetre-wave and terahertz-wave** technologies
- Architectures towards ultra-high speed short-range wireless technology, radio transmission technology, terahertz-wave base band and millimetre-wave radio access technologies including spectrum re-use and cognitive technologies

c) Cybersecurity for improved resilience against cyber threats

- Research on **cybersecurity for improved resilience** against cyber threats, such as leak of information, denial of service, malware between Japan and the EU

Cooperation Field between Japan and EU



d) Extending the cloud paradigm to the Internet of Things - Connected objects and sensor clouds within the service perspective

- Research the **combination of Cloud and Internet of Things (IoT) technologies** and to investigate the development of **cloud-based service platforms taking into account the IoT perspectives** on massive data storage and communication needs in the cloud for the execution of real-time services

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

- **Experiments across testbeds** as a framework for understanding the management of heterogeneous resources, the access to these resources and the evaluation of their usage
- Software solutions for control and deploy an experiment, using distributed resources of various testbeds, possibly wired and wireless.

f) Green & content centric networks

- Theoretical analysis as well as prototyping and standardisation activities to ensure that the joint work will have an impact on the **global green content centric networks landscape**



Future Campaigns

- Networking event @ Future Internet and Mobile Summit, Berlin, Germany (TBD)
- Networking Event @ FP7 Infoday (September 2012)

Japanese research activity information is available.
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