



EU-Japan Research and Development Cooperation in Net Futures

**EU-Japan Coordinated Call
H2020 – EUJ – 2014**

Information Day

Brussels. 31st January 2014

DG CONNECT, European Commission



2nd EU-Japan Coordinated Call



- Joint call of EU (EC/Horizon 2020) and Japan (MIC¹ and NICT²)
- Submission and evaluation follow the principles of Horizon 2020 calls with certain specific conditions
- 2nd coordinated call EU-Japan on Net Futures

¹MIC: Ministry of Internal Affairs and Communications

²NICT: National Institute of ICT



2nd EU-Japan Coordinated Call Call Conditions^(*)

- Common PartB (technical annex)
 - PMs for each partner/per task is required
- EU and JP proposals submitted to the respective coordinated calls
 - European consortium signs contract with the EC
 - Japanese consortium signs contract with the funding agency
- Each proposal should include a coordination agreement
 - Signed before starting the project
 - Does not replace the Consortium Agreement (which is still required from all EU projects)
- EU-Japan research plan: balanced effort, genuine cooperation
- Contribution to international standards
- Duration: 3 years
- Max. funding (EU): 1.5M€

(*) read carefully pages 100-102 of WP2014-15



2nd EU-Japan Coordinated Call *Timing*

Call publication:	7th January 2014
Call closing:	10th April 2014, 5pm
<u>Evaluation</u>	
Remote phase:	5 May – 24 May 2014
Joint Panel:	4-5 June 2014 (Tokyo)
Project Launch:	1st September 2014
Indicative Funding(EU+JP):	12M€ (3 M€ per project)



2nd EU-Japan Coordinated Call *Topics*

EUJ1 – Technologies combining big data, internet of things in the cloud

EUJ2 – Optical communications



EUJ3 – Access networks for densely located users

EUJ4 – Experimentation and development on federated Japan–EU testbeds





EU-Japan Research and Development Cooperation in Net Futures

**EUJ1 – 2014:
Technologies combining big data,
internet of things in the cloud**

*European Commission
DG CONNECT
Software & Services, Cloud*



The Challenge

- **Big data, Internet of Things** are trends which will influence and impact the future development of **Cloud** computing systems.
- Their requirements will **impact the underlying Cloud** infrastructure requiring efficient management of very large sets of globally distributed non-structured or semi-structured data that could be produced at very high rates (i.e. big data).
- **New challenges** are created especially for services and data hosted and executed across borders including EU and Japan.

Need:

- **A multi-cloud service platform** supported by broadband networks needs to handle all these challenges and appear to the application environment as one uniform platform.



The Scope

- Development of **innovative global cloud** platform technologies to meet the new challenges of **big data**, **mobile** and **IoT**
- Requirements should come from **business** and **industrial** applications:
 - ❖ **robotics or factory automation** and/or
 - ❖ **societal applications**, such as health management for an **aging society**
 - ❖ **Standardization** requirements should be considered as well
- Outcome of the research will be **a global, scalable and flexible service platform** for developing **real time** services
 - ❖ which can process, integrate and visualize Big Data over advanced integrated cloud and network infrastructures.
 - ❖ validated through relevant use cases and demonstrations requiring the combination of real world sensors and/or actuators with "big data" infrastructures over clouds



Expected Impact

- Credible demonstrations based on **cross-border** business and/or societal applications of robust interoperable technologies combining big data, IoT and mobile on cloud platforms
- Concrete implementations of **interoperable** solutions that integrate big data, IoT and mobile that are candidates for **standardisation**
- Potential for commercial application in business environments, expressed in the form of a credible **international exploitation** plan

EU 1,5M € + equal amount from Japan
Small project; R&I Actions



More info

- Project **CLOUT** from the 1st EU-Japan FP7 2012 coordinated call
 - ❖ <http://clout-project.eu/>

- The 2nd coordinated call by the Ministry of Internal Affairs and Communications of Japan (MIC) can be found at
http://www.soumu.go.jp/menu_news/s-news/01tsushin03_02000065.html

- H2020 participant portal web site:
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-euj-2014.html#tab2>
 - ❖ Proposal template
http://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-euj-2014/1592631-h2020-call-pt-ria-ia_euj_en.pdf
 - ❖ Checklist for a **Coordination Agreement** for Coordinated Calls
http://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-euj-2014/1592603-checklist-coordination-agreement_h2020-v1_en.pdf



Thank you

Maria Tsakali

Maria.Tsakali@ec.europa.eu

