

The COJAK FP7/ICT Initiative

Further Developing Strategic Cooperation with Japan and South Korea on ICT Research

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Why S&T cooperation with Japan and South Korea on ICT research?

- **S&T agreements**
 - Between the EU and South Korea (Nov. 2006)
 - Between the EU and Japan (under discussions)
- **EU / Japan / South Korea - Advanced & industrialised countries**
 - Key players in the ICT sector
- **Scale of today's global challenges requires that we work together more closely and effectively**
- **Weak participation in FPs (ICT theme)**
 - FP5/IST : 16 Japanese / 5 Korean organisations in successful proposals
 - FP6/IST : 10 Japanese / 0 Korean organisations in successful proposals
 - FP7/ICT Call 1 : 15 Japanese organisations in proposals (of which 8 retained)
 - FP7/ICT Call 1 : 10 Korean organisations in proposals (of which 3 retained)
 - FP7/ICT Call 2 : 9 Japanese organisations in proposals (of which 0 retained)
 - FP7/ICT Call 2 : 2 Korean organisations in proposals (of which 0 retained)

■ Japanese participation in FP6/IST

- Tokyo Institute of Technology (COGAIN)
- Motorola Japan Ltd (WWI AMBIENT NETWORKS)
- Communications Research Laboratory (MAGNET)
- Nippon Telegraph & Telephone Co. (NOBEL)
- National Research Institute for Earth Science & Disaster Prevention (DEWS)
- The National Institute of Advanced Industrial S&T (ROBOT@CWE)
- United Nations University (CREDO)
- National Institute of ICT (MAGNET Beyond)
- Hokkaido University (ACGT)
- University of Tokyo (ECAgents)

■ Japanese participation in FP7/ICT Call 1

- GS1 Japan (GRIFS)
- Nagoya Institute of Technology (EMIME)
- National Institute of ICT (KYOTO / FUTON)
- The Institute of Physical & Chemical Research (ITALK)
- University of Tokyo (CASAGRAS)
- Waseda University (CAPSIL)
- YRP Ubiquitous Networking Lab (CASAGRAS)

Strong participation of Japanese organisations with a research presence in Europe

Japanese organisations benefited from around €26 million funding from FP6/IST

- **South Korean participation in FP6/IST**
 - Korea Institute of Science & Technology Information (VECTOR)
 - Electronics & Telecom Research Institute (EMMA)
 - Electronics & Telecommunications Research Institute (ENTHRONE)
 - Information & Communications University (INTERMEDIA-NoE)
 - Electronics & Telecommunications Research Institute (AXMEDIS)

- **Japanese participation in FP7/ICT Call 1**
 - GS1 Korea (GRIFS)
 - Saltlux Incorporated (LarkC)
 - Electronics & Telecommunications Research (CASAGRAS)

Samsung Electronics Ltd UK had received a total funding of around 519,000 € in FP6 ICT projects

- Acronym : **COJAK**
- Full name : **Further developing strategic cooperation with Japan and South Korea on ICT**

- Instrument : **Coordination & Support Action (CSA)**

- Start date : **January 1, 2008**
- Duration : **18 months**

- Coordinator : **Sigma Orionis, France**
- EC officer : **Alvis Ancans (Unit A4, DG Infso)**

- Notes : **A follow-up project of the “ASIACOOP initiative”**

- **Support the development of dialogues between key stakeholders in the ICT field**

- EU-Japan
 - 1st EU-Japan Seminar (May 20, 2008 - Tokyo)
 - 2nd EU-Japan Seminar (Dates TBA - Brussels)
 - 3rd EU-Japan Seminar (Dates TBA - Japan)
- EU-Korea Seminars
 - 1st EU-Korea Seminar (June 18, 2008 - Daejeon)
 - 2nd EU-Korea Seminar (Dec. 3, 2008 - Brussels)
 - 3rd EU-Korea Seminar (South Korea)



Thorough exchange of information between key stakeholders in the field on the status/perspectives of S&T cooperation on ICT research between the EU & J/SK

To address the cooperation framework itself, to discuss what could be done to make it more favourable, and to allow a smooth development of cooperation projects that European and J/SK organisations will choose to develop

The COJAK Initiative - Support emerging collaborative projects...

■ **Support the development of cooperation projects in the ICT field**

- 2nd EU-Japan Cooperation Forum on ICT Research (March-April 2009 - Brussels)
- 2nd EU-Korea Cooperation Forum on ICT Research (Dec. 1-2, 2008 - Brussels)

**Thoroughly discuss opportunities of strategic cooperation on ICT research
Network with key stakeholders in the ICT research field**

Identify potential partners

Strengthen contacts already established thanks to the 1st forums/Seminars

Introduce ICT research initiatives to a high-level audience

Learn more about FP7/ICT



The COJAK Initiative - 2nd EU-Korea Cooperation Forum on ICT Research

- **What?** : A follow-up 2-day conference to the one successfully held on June 16-17, 2008 in Seoul (COEX)
- **When?** : Dec. 1-2, 2008
- **Where?** : Brussels, Belgium
- **Organisers** : The European Commission (DG INFSO)
: The Ministry of Knowledge Economy (MKE), Korea
- **Targeted audience** : 200+
: EU/SK organisations active in the ICT field
: SMEs, multinationals, universities, research labs, etc.
- **Addressed topics** : Sustainable & Personalised Healthcare / FET / Future Internet / Microsystems & Flexible, Organic & Large Area Electronics / Security & Trust in Networks & Services / Networked Media Systems / Embedded Systems, Computing & Control / Internet of Things / ICT for Sustainable Growth / e-Infrastructures / Open session
- **Participation** : Free of charge
: Pre-registrations compulsory
- **More information** : info@eurosouthkorea-ict.org
: www.eurosouthkorea-ict.org



- **Raise awareness on FP7/ICT among the Japanese and South Korean ICT communities**
 - FP7/ICT Awareness Workshop in Japan (date & venue TBA)
 - FP7/ICT Awareness Workshops in South Korea (date & venue TBA)

Introduce FP7/ICT

Explain how J/SK organisations can be involved in joint EU-funded R&D projects

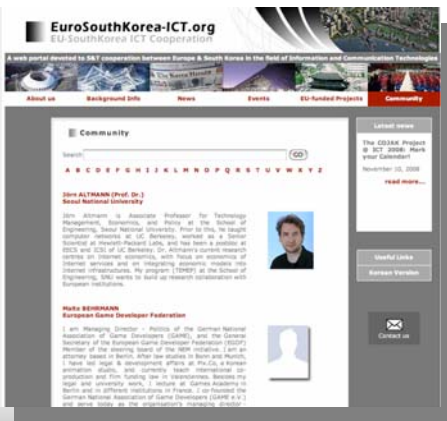
Enable attendees to present their ideas on S&T cooperation projects in the ICT field

Get detailed information on the COJAK initiative & the opportunities it offers

Network with EC reps, the COJAK consortium & the most advanced local organisations in ICT the field

Identify J/SK organisations active in ICT research & interested in cooperation under FP7. Better know their profiles/expectations to ensure an efficient matchmaking with EU organisations

- Disseminate project results among the European, Japanese & Korean ICT communities
 - Two country-specific websites & one Euro-Asia webportal
 - www.EuroAsia-Ict.org
 - www.EuroJapan-ICT.org
 - www.EuroSouthKorea-ICT.org
 - Two country-specific ICT communities
 - EuroJapan-ICT community
 - EuroSouthKorea-ICT community



FURTHER DEVELOPING STRATEGIC COOPERATION WITH JAPAN ON ICT RESEARCH

EU-Japan relations

The European Union (EU) and Japan are both advanced industrialised democracies, sharing important core values, with economies accounting together for 40% of global GDP. Thus, EU-Japan relations have logically broadened in the last decades, far beyond the trade-related focus, which prevailed in the 70s.

EU-Japan bilateral agreements

Both partners recognise the strategic interest of strengthening their trade and investment links, and have created various instruments to support it, including a two-way Regulatory Reform Dialogue. They also actively cooperate in multilateral fora.

ICT in Japan

Japan is a well-known leading country worldwide in ICT, when considering the development status of ICT in the Japanese society (mobile telephony, broadband Internet, terrestrial digital television, intelligent homes, RFID, etc.) and the strength of its ICT industry as well (the market value of the Japanese ICT industry amount to around 120 trillion yen). R&D spending in ICT is of approximately 7 trillion yen (70% from the Japanese industry and 30% from universities, public bodies, NGOs, etc.). Between January and September 2003, over 13,000 ICT related patents have been registered in Japan, representing 2,1 times the number registered in Europe.

EU-Japan S&T cooperation in the ICT area

A number of Japanese ICT companies (mainly large corporations) have established quite important research teams in Europe, since a long time for most of them. These teams have been, years after years, increasingly involved in collaborative projects funded through European Union's research programmes, including the FP6 IST Programme, which ended in 2006.

However, the participation of Japanese organisations based in Japan (large corporations but also smaller companies, universities, research institutes, etc.) in EU-funded projects in the ICT area has remained quite low over the years, particularly when compared to the level of participation of organisations from other leading industrialised countries or emerging economies.

This situation should improve in the next years: the ICT theme of the FP7 EU research programme (launched in 2007) opens new perspectives for the development of EU-Japan S&T (science and technology) cooperation in the ICT area. Moreover, the S&T Agreement that should soon be signed between the EU and Japan will improve the overall cooperation framework and boost the emergence of cooperation projects.

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Thank you for your attention!

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