

Guidelines for Application of Strategic Japanese-French
Cooperative Program on
“Information and Communications Technology (ICT) including
Computer Science”
Call for Proposals to be submitted by November 4th, 2005

I General Description

1. New scheme for joint funding of Japanese-French research cooperation

Based on the agreement concluded in June 1991 between the Japanese and French governments on cooperation in science and technology, Japan Science and Technology Agency (JST), Japan and Centre National de la Recherche Scientifique (CNRS), France have agreed to establish a new scheme for joint funding of Japanese-French cooperative research projects. After consultations among JST and CNRS, “**ICT including Computer Science**” has been selected as the field of research for which the joint funding scheme will apply.

2. Aim of program and research field

The aim of the program is to strengthen the collaboration between France and Japan within “ICT including Computer Science” to achieve world-class scientific results, leading towards new innovative technologies. This area is currently undergoing strong development and is considered important in both countries in order to achieve growth and sustainability over the long run.

For example, ICT including Computer Science may include ;

- ICT using Quantum effects
- MOEMS/NOEMS/BioMEMS
- MEMS/NEMS for RF and millimeterwave communications
- Ubiquitous computing and network
- Grid computing
- Virtual reality
- IPV6 and security

The current plan is to issue two calls for proposals with the first announcement in August 2005, followed by the second call in 2006.

Projects will be funded for a period of three years.

3. Who can apply?

JST and CNRS invite Japanese and French researchers to submit proposals for cooperative research projects in the research areas described above.

French applicants for the cooperative research projects must be researchers belonging to laboratories affiliated with CNRS. CNRS will not be able to support the projects otherwise.

The proposed collaboration should build on and reinforce already on-going research activities in each research group and contribute significant added value to these. Researchers from industry may participate in the joint collaboration.

4. Financial support

JST and CNRS plan to support cooperative research projects including dispatch and invitation of researchers with a main emphasis on leading-edge researchers.

JST will support expenses for Japanese researchers, and CNRS will support expenses for French researchers.

II. Contents of Support

1. Budget for a cooperative research project

JST shall provide approximately 5 million yen per project per year in average for the activities to be carried out by the Japanese researchers in the cooperative research project.

CNRS shall provide approximately 38,000 euro per project per year in average for the activities to be carried out by the French researchers in the cooperative research project.

The budgets will differ depending on the content of activities and the budgetary situation of JST and CNRS.

2. Cooperative research period

The cooperative research period shall be 3 years (i.e., 36 months) in total, counting from the start date.

3. Details of support

This program is designed to support additional expenses related to cooperation with the other partner, with the precondition that the main research infrastructure is already in place in each research group.

3.1 Treatment of intellectual property

If intellectual property rights (patents, utility model or design rights, rights to programs, databases and other intangible property and know-how, and so on) are generated as a result of this project, the organizations concerned should adequately discuss the ownership of them.

For the French researchers' information, the contract to be made between JST and the Japanese institutes to which the supported Japanese research leader belongs, stipulates that Article 30 of the Law on Special Measures for Industrial Revitalization (Japanese version of the Bayh-Dole Act) shall apply to all intellectual property rights generated as a result of the project, and that in principle this can become the property of the institution to which the research leader belongs.

3.2 Funded expenses

Funded expenses include costs for implementation of research exchanges and performing research activities.

(1) Expenses for research activities

- 1) Expenses for personnel
- 2) Expenses for facilities and equipment
- 3) Expenses for consumables
- 4) Others

Expenses for creating software, renting or leasing equipment, transporting equipment, etc.

(2) Expenses for research exchanges

1) Travel expenses

In principle, travel expenses should be based on the rules of the institution to which the research leader belongs.

JST provides travel expenses only for the Japanese researchers and CNRS provides them only for the French researchers.

- 2) Expenses for holding symposiums, seminars and meetings (excluding travel expenses)

(3) Overhead expenses

(4) Items not covered

No expenses shall be paid for the following:

- 1) Expenses related to acquiring real estate or constructing buildings or other facilities
- 2) Expenses related to dealing with accidents or disasters occurring during cooperative research periods
- 3) Other expenses unrelated to implementation of this cooperative research project

. Application

Basically, the Japanese and French applicants shall use an application form issued by JST and CNRS respectively, which includes the basic common information as follows;

- Application outline(title of cooperative research project, names of research leaders, cooperative research period)
- List of names of individuals involved in the cooperative research project in Japan and France
- Description of the cooperative research project including the points stated above
- A plan for the cooperative project
- Papers and other publications by the Japanese and French research leaders in the past 5 years, including a description of support from CNRS for French research leader.
- Budget plan for the project

The application forms issued by JST for the Japanese researchers and by CNRS for the French researchers are slightly different from each other to reflect different circumstances of the funding organizations, applicants and the relations between them.

The application shall include:

a project description including how collaboration will be carried out, with clear statements of what Japanese and French researchers respectively will do in the project;

a description of the expected outcome of the proposed project, scientifically as well as in terms of its relevance for industry and society;

a description of the ongoing activities and specific strengths of the Japanese and French groups respectively, which form the basis for the proposed joint project;

a description of the expected added value from the proposed joint project, including how the competence, technology and other resources in the different groups complement each other;

a description of how the project is expected to help strengthen research cooperation between Japan and France over the longer term;

a discussion of how the proposed joint project differs from the other comparable international cooperative activities.

1. Submission of application forms

The application forms prepared by the Japanese researchers shall be submitted to JST and those prepared by the French researcher shall be submitted to CNRS by the application deadline designated below.

2. Application deadline for JST and CNRS

Please send an application by November 4th, 2005.

. Evaluation of Project Proposals

1. Evaluation procedure

Committees consisting of experts selected by JST and CNRS respectively will evaluate all the proposals. Based on the results of the evaluation, JST and CNRS will make a common decision regarding funding of selected proposals.

2. Evaluation criteria

The following general evaluation criteria apply:

2.1 Conformity with program aims and designated research fields:

The proposed activity shall conform to the aims of the program and the research field that the program designates. In addition, the proposed activity shall be supported by the institutional resources available.

2.2 Capability of research leaders (one on each side):

The research leaders shall have the insight or experience necessary for pursuing the activity and the ability to manage the cooperation and reach the project goals during this program's period of support.

2.3 Appropriateness of plan:

The plan shall incorporate an appropriate system for implementing the activity and be realistic in relation to the project budget.

2.4 Effect of the activity:

The proposed activity can be expected to achieve any of the following, through the cooperation with researchers in the counterpart country:

- Opening up of a new field or new advances in science and technology through the creation of new scientific knowledge in an existing research field,
- Nurturing of researchers able to play a central role in future research exchanges with the counterpart country, and

- Sustained development of research exchanges with the counterpart country initiated by this activity.

2.5 On-going research activity:

The proposed collaboration shall build on, reinforce and add significant value to already on-going research activities in each research group.

3. Announcement of decision

The final decision regarding supported projects will be notified to the applicants around January 2006.

4. Number of projects to be supported

In principle, JST and CNRS will support 5 projects in 2005.

Japanese applicants should contact the following for further information:



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