JSPS International Programs

-開かれた学振を目指して-
Ouverture aux Universités françaises

Prof. Yoichi NAKATANI
Director of JSPS Strasbourg Office
http://jps.u-strasbg.fr/
Outline

1. JSPS at a glance
2. JSPS International Programs
1. JSPS at a glance
What is JSPS?
- Japan Society for the Promotion of Science

- Founded in 1932
- Independent Administrative Agency supported by the Japanese government
- Leading research funding agency in Japan
- Covering all the academic fields (Humanities, Social Sciences, Natural Sciences, Applied Sciences)
What is JSPS?
- Research Supporting System in Japan

Cabinet Office, Government of Japan
CSTP (Council for S&T Policy)

Basic principles
Overall coordination

MEXT
(Ministry of Education, Culture, Sports, Science & Technology)

Funding Agency
JSPS
Independent Administrative Institution

Funding Agency
JST
Independent Administrative Institution

Universities
(National, Local*, Private)

Research Institutes
Independent Administrative Institutes

Local Gov.

Private Sector

Ministry of Education, Culture, Sports, Science & Technology

Ministry of Health, Labor and Welfare

Ministry of Agriculture, Forestry and Fisheries

Competitive funding
Government subsidizes

Ministry of Economy, Trade and Industry

Other Ministries
What is JSPS?
- Major functions of JSPS

- Funding research initiatives
  – competitive research funding
- Fostering next generation of scientists
  – research fellowships for young scientists
- Advancing international collaborations
  – collaborations with overseas partners
- Promoting university reforms
  – joint programs with Ministry of Education
What is JSPS?

- JSPS Budget Transition FY2006 – FY2010

  • Budget for FY 2010:

    276 billion yen = 2.1 billion €

### Budget of JSPS

Unit: Billion Yen (Billion Euro) *1 EURO=130 JPY

<table>
<thead>
<tr>
<th>Year</th>
<th>Budget (Billion Yen)</th>
<th>Budget (Billion Euro)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>(1.5) 205.7</td>
<td>(1.5) *1.5 / 130¥</td>
</tr>
<tr>
<td>2007</td>
<td>(1.6) 222.6</td>
<td>(1.6) *1.5 / 130¥</td>
</tr>
<tr>
<td>2008</td>
<td>(1.8) 240.6</td>
<td>(1.8) *1.5 / 130¥</td>
</tr>
<tr>
<td>2009</td>
<td>(1.9) 249</td>
<td>(1.9) *1.5 / 130¥</td>
</tr>
<tr>
<td>2010</td>
<td>(2.1) 276</td>
<td>(2.1) *1.5 / 130¥</td>
</tr>
</tbody>
</table>

Grants-in-Aid
What is JSPS?
- JSPS’s Overseas Offices

- JSPS London Office (1994-)
- JSPS Stockholm Office (2001-)
- JSPS Strasbourg Office (2001-)
- JSPS Bonn Office (1991-)
- JSPS Tokyo
- JSPS Beijing Office (2007-)
- JSPS San Francisco Office (2002-)
- JSPS Bangkok Office (1989-)
- JSPS Nairobi Research Station (1965-)
- JSPS Cairo Research Station (1984-)
- JSPS Washington Office (1990-)
What is JSPS?

- Activities of JSPS Strasbourg Office

- Academic Seminars
- Visiting French Universities
- JSPS Fellowships
- JSPS Forums in France
- JSPS Alumni

JSPS Strasbourg Office (in Maison Universitaire France-Japon)
<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>Is a Novel Chemistry Possible?</td>
<td>450</td>
</tr>
<tr>
<td>2003</td>
<td>Postgenome</td>
<td>200</td>
</tr>
<tr>
<td>2004</td>
<td>The Universe: Origin, Evolution, Future</td>
<td>250</td>
</tr>
<tr>
<td>2005</td>
<td>Oceanography</td>
<td>250</td>
</tr>
<tr>
<td>2005</td>
<td>Workshop on Japanese-French Research Cooperation</td>
<td>150</td>
</tr>
<tr>
<td>2006</td>
<td>Translational Research from Genome-based Sciences to Clinical Research</td>
<td>50</td>
</tr>
<tr>
<td>2006</td>
<td>Chemistry Contributing to Society: Green Sustainable Chemistry</td>
<td>300</td>
</tr>
<tr>
<td>2007</td>
<td>ULP-JSPS Forum on « Chemical and Physical Nanobiology for Medicine »</td>
<td>270</td>
</tr>
<tr>
<td>2007</td>
<td>CNRS-JSPS Colloquium on « Energy supply and demand in the 21&lt;sup&gt;st&lt;/sup&gt; Century: questions and options »</td>
<td>130</td>
</tr>
<tr>
<td>2008</td>
<td>ULP-JSPS 7&lt;sup&gt;th&lt;/sup&gt; Forum on « Frontiers in Biology/Chemistry/Physics »</td>
<td>280</td>
</tr>
<tr>
<td>2008</td>
<td>INRA-JSPS workshop « Molecular dialogue of bacteria with the host »</td>
<td>80</td>
</tr>
<tr>
<td>2009</td>
<td>Académie des Science-JSPS workshop « Environment and Health Challenges »</td>
<td>60</td>
</tr>
<tr>
<td>2009</td>
<td>JSPS 8&lt;sup&gt;th&lt;/sup&gt; Forum « Singularities and Applications »</td>
<td>60</td>
</tr>
<tr>
<td>2010</td>
<td>The First French-German-Japanese JSPS Forum “Food Science and Society”</td>
<td>300</td>
</tr>
<tr>
<td>2010</td>
<td>French-Japanese Workshop “Science for Conservation of Cultural Heritage”</td>
<td>100</td>
</tr>
<tr>
<td>2011</td>
<td>France-Japan Joint Forum on “Chemistry of Functional Organic Chemicals”</td>
<td>509</td>
</tr>
<tr>
<td>2011</td>
<td>French-Japanese Workshop “Nanotech Revolution from Science to Society”</td>
<td>200</td>
</tr>
</tbody>
</table>
“France-Japan Joint Forum on Chemistry of Functional Organic Chemicals”

organized by Université de Strasbourg, CNRS and JSPS ISIS, Université de Strasbourg, 23-25 June, 2010

Jean-Marie Lehn (Université de Strasbourg)  
Régis Réau (Université de Rennes I)  
Raymond Ziessel (Université de Strasbourg)  
Olivia Reinaud (Université de Paris-Descartes)  
Didier Astruc (Université de Bordeaux I)  
Wais Hosseini (Université de Strasbourg)  
Clément Sanchez (Collège de France)  
Marc Fontecave (Université Joseph Fourier, Grenoble)  
Alain Deffieux (ENSCP de Bordeaux)  
Jean-François Nierengarten (Université de Strasbourg)  
Mihai Barboiu (Université de Montpellier 2)  

Tamejiro Hiyama (Chuo University)  
Masakatsu Shibasaki (Microbial Chemistry Research Foundation)  
Kotaro Osakada (Tokyo Institute of Technology)  
Masahiko Yamaguchi (Tohoku University)  
Yoshihisa Inoue (Osaka University)  
Takao Ikariya (Tokyo Institute of Technology)  
Susumu Kitagawa (Kyoto University)  
Yoshiki Chujo (Kyoto University)  
Atsushi Takahara (Kyushu University)  
Takashi Kato (The University of Tokyo)  
Norio Teramae (Tohoku University)  
Koji Suzuki (Keio University)

http://cofoc.unistra.fr
- Venue: ENS-Cachan, Paris
- Date: 12 – 13 December 2011
- Scientific organizers:
  - France: Prof. Joseph Zyss (ENS Cachan)
  - Japan: Prof. Seizo Miyata (Tokyo Institute of Technology)
- Speakers: French speakers 8, Japanese speakers 8
France-Japan Joint Workshop 2012
Water and Urban Environment

- Date: 19 – 20 June 2012
- Scientific organizers:
  France: Prof. Jean-Luc Bertrand-Krajewski (INSA Lyon)
  Japan: Prof. Hiroaki Furumai (The University of Tokyo)
- Speakers: French speakers 6, Japanese speakers 6

Prof. Bertrand-Krajewski
Prof. Furumai
France-Japan Joint Forum 2012
Surgery for Life Innovation: Information Age and Robotics

- Date: 22-23 December 2012
- Venue: IRCAD, Strasbourg
- Scientific organizers:
  - Prof. Jacques Marescaux (IRCAD)
  - Prof. Makoto Hashizume (Kyushu University)
- Speakers: 5 French speaker, 5 Japanese speakers
2. JSPS’s International Programs
JSPS’s International Programs with France

- **Core-to-Core Program**
  - International Training Program

- **Joint Research Projects**
  - Joint Seminars

- **Postdoctoral Fellowships**
  - Invitation Fellowships Program
  - Postdoctoral Fellowship for Research Abroad

**INSTITUTION TO INSTITUTION**

**GROUP TO GROUP**

**INDIVIDUALS**
JSPS Programs for individuals
JSPS Fellowships for French researchers

- Summer program (2 months)
- Short-term Post Doc Fellowships (1 month - 12 months)
- Long-term Post Doc Fellowships (1-2 years)
- Long-term Invitation (2-10 months)
- Short-term Invitation (14 days - 60 days)
- Eminent Scientists Award

Doctor course students

Scientists carrying PhD <Post-doc>

Scientists carrying PhD since 6 years

Professors Directors

Distinguished Scientists
Fellowships for young researchers
JSPS Summer Program
- For pre/post doctoral researchers

- An orientation on Japanese culture and research system
- An introduction to pursue research at Japanese universities and research institutes
- Eligibility: Citizen/Permanent resident of France, UK, Germany, USA and Canada
- 13 Fellowships for French Researchers
- CNRS is responsible for recruiting

A round-trip air ticket and Insurance
Maintenance allowance (for 2 months): 534,000 Yen = 4,450 Euro

2 months (June to August)
### JSPS Postdoctoral Fellowships for Foreign Researchers <Short-term>

<table>
<thead>
<tr>
<th>Program</th>
<th>Short-term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Fields</td>
<td>All academic fields</td>
</tr>
<tr>
<td>Eligible countries</td>
<td>EU, Norway, Switzerland, Russia, Canada and USA</td>
</tr>
<tr>
<td>Candidates</td>
<td>- Should have received PhD within past 6 years or less OR&lt;br&gt;- Enrolled in a doctoral course and are to receive PhD within 2 years</td>
</tr>
<tr>
<td>Application in France</td>
<td>15 fellowships /year (2 sessions)</td>
</tr>
<tr>
<td>Application in Japan</td>
<td>60 fellowships/year (6 sessions)</td>
</tr>
</tbody>
</table>

- **A round-trip air ticket and Insurance**<br>  
  - Monthly allowance:<br>    - 362,000 Yen = 3,017 Euro (with PhD)<br>    - 200,000 Yen = 1,666 Euro (without PhD)<br>  
  - Initial support allowance:<br>    - 200,000 Yen = 1,666 Euro (for whom stays more than 4 months)<br>*Grants-in-aid for host researcher
JSPS Postdoctoral Fellowships for Foreign Researchers <Standard>

<table>
<thead>
<tr>
<th>Program</th>
<th>Standard (Long-term)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Fields</td>
<td>All academic fields</td>
</tr>
<tr>
<td>Eligible countries</td>
<td>All countries that have diplomatic relations with Japan</td>
</tr>
<tr>
<td>Candidates</td>
<td>Should have received PhD within past 6 years or less</td>
</tr>
<tr>
<td>Application in France</td>
<td>20 fellowships /year (2 sessions)</td>
</tr>
<tr>
<td>Application in Japan</td>
<td>300 fellowships/year (2 sessions)</td>
</tr>
</tbody>
</table>

A round-trip air ticket and Insurance
Monthly allowance:
362,000 Yen = 3,017 Euro
Initial support allowance:
200,000 Yen = 1,666 Euro
Japanese Language Support
*Grants-in-aid for host researcher

1 year to 2 years
Fellowships for established researchers
JSPS Invitation Fellowships for Foreign Researchers <Long-term>

<table>
<thead>
<tr>
<th>Program</th>
<th>Long-term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Fields</td>
<td>All academic fields</td>
</tr>
<tr>
<td>Eligible countries</td>
<td>All countries that have diplomatic relations with Japan</td>
</tr>
<tr>
<td>Candidates</td>
<td>- Should have received PhD 6 years ago or before</td>
</tr>
<tr>
<td></td>
<td>- Should be a professor, assistant/associate professor or researchers with equivalent research experience</td>
</tr>
<tr>
<td>Application in France</td>
<td>2 fellowships /year</td>
</tr>
<tr>
<td>Application in Japan</td>
<td>70 fellowships/year</td>
</tr>
</tbody>
</table>

A round-trip air ticket and Insurance

**Monthly allowance:**
- 369,000 Yen = 3,075 Euro

**Travel expenses in Japan:**
- 100,000 Yen = 833 Euro

**Research expenses:**
- 40,000 Yen = 300 Euro

*Cooperation allowance for host researcher*
# JSPS Invitation Fellowships for Foreign Researchers <Short-term>

<table>
<thead>
<tr>
<th>Program</th>
<th>Short-term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Fields</td>
<td>All academic fields</td>
</tr>
<tr>
<td>Eligible countries</td>
<td>All countries that have diplomatic relations with Japan</td>
</tr>
<tr>
<td>Candidates</td>
<td>Should be a researcher with excellent records of achievement</td>
</tr>
<tr>
<td>Application in France</td>
<td>3 fellowships /year</td>
</tr>
<tr>
<td>Application in Japan</td>
<td>220 fellowships/year (2 sessions)</td>
</tr>
</tbody>
</table>

- **A round-trip air ticket and Insurance**
  - **Daily allowance:** 18,000 Yen = 150 Euro/day
  - **Travel expenses in Japan:** 150,000 Yen = 1,250 Euro
- *Cooperation allowance for host researcher*
## JSPS Award for Eminent Scientists

<table>
<thead>
<tr>
<th>Program</th>
<th>JSPS Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Fields</td>
<td>All academic fields</td>
</tr>
<tr>
<td>Candidates</td>
<td>- Nobel laureates and persons with equivalently excellent research achievements who are currently playing a leading role in their respective fields</td>
</tr>
<tr>
<td>Application in Japan</td>
<td>4 fellowships/year (2 sessions)</td>
</tr>
</tbody>
</table>

**A round-trip air ticket and Insurance**

**Daily allowance:**
- 42,000 Yen = 350 Euro/day

**Family allowance:**
- 10,000 Yen = 83 Euro/day

*Cooperation allowance for host researcher*

**For Eminent Researchers**

**Multiple visits within a year**
Procedures of JSPS Postdoctoral Fellowship

**< Application in France >**

Candidates from all Research Institutions apply to CNRS

CNRS evaluates the applications

JSPS Tokyo takes the final decision

All candidates from Universities, CNRS, INSERM, INRA etc., are evaluated under the same criteria.

**< Application in Japan >**

Candidates contact Host Researchers

Host Researchers present the applications to their Research Institutions

JSPS Tokyo evaluates the applications and takes the final decision
## Number of JSPS Fellowships - From France to Japan

<table>
<thead>
<tr>
<th>Program</th>
<th>FY2008</th>
<th>FY2009</th>
<th>FY2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postdoctoral Fellowships (Standard, Short, Summer Program)</td>
<td>116</td>
<td>118</td>
<td>120</td>
</tr>
<tr>
<td>Invitation Fellowships (Short-term)</td>
<td>16</td>
<td>18</td>
<td>22</td>
</tr>
<tr>
<td>Invitation Fellowships (Long-term)</td>
<td>5</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>137</td>
<td>144</td>
<td>147</td>
</tr>
</tbody>
</table>

### Nomination Quotas for CNRS

<table>
<thead>
<tr>
<th>Program</th>
<th>FY2009</th>
<th>FY2010</th>
<th>FY2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postdoctoral Fellowships</td>
<td>20</td>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>Summer Program</td>
<td>13</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td>Invitation Fellowships (Short-term)</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Invitation Fellowships (Long-term)</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>
JSPS’s International Programs with France

INSTITUTION TO INSTITUTION

Core-to-Core Program
International Training Program

GROUP TO GROUP

Joint Research Projects
Joint Seminars

INDIVIDUALS

Postdoctoral Fellowships
Invitation Fellowships Program
Postdoctoral Fellowship for Research Abroad
Bilateral Programs with France

- **Joint Projects (1-2 years)**
- **Joint Seminars**
- **Researcher Exchanges**
- **French Researchers**
  - CNRS (1973 -)
  - INSERM (1974 -)
  - INRA (1999 -)
  - INRIA (2005 -)
- **Japanese Researchers**
- **Agreement Memoranda**
- **Joint Selection**

**Further advance existing cooperation**
**Establish concrete partnerships**
<table>
<thead>
<tr>
<th>Program</th>
<th>Counterpart</th>
<th>FY2009</th>
<th>FY2010</th>
<th>FY2011</th>
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</thead>
<tbody>
<tr>
<td>Joint Research Projects</td>
<td>CNRS</td>
<td>20</td>
<td>21</td>
<td>19</td>
</tr>
<tr>
<td>Joint Seminars</td>
<td>CNRS</td>
<td>4</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Research Exchanges (JPN to FR)</td>
<td>CNRS</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Research Exchanges (FR to JPN)</td>
<td>CNRS</td>
<td>5</td>
<td>5</td>
<td>5</td>
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<tr>
<td>Research Exchanges (JPN to FR)</td>
<td>IHÉS</td>
<td>1</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Joint Research Projects</td>
<td>INSERM</td>
<td>6</td>
<td>6</td>
<td>6</td>
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<tr>
<td>Joint Research Projects</td>
<td>INRA</td>
<td>3</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Joint Research Projects</td>
<td>INRIA</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>SAKURA Program</td>
<td>MAEE/MESR</td>
<td>32</td>
<td>30</td>
<td>29</td>
</tr>
<tr>
<td>CHORUS Program</td>
<td>ANR</td>
<td>5</td>
<td>5</td>
<td>9</td>
</tr>
</tbody>
</table>
Frontier of Science (FoS) Symposium

JAFoS (Japanese-American Frontiers of Science)
JGFoS (Japanese-German Frontiers of Science)
JFFoS (Japanese-French Frontiers of Science)

• Rethink boundaries between disciplines
• Cultivate new frontiers of research
• Foster future research leaders

Agreement

Organizing Committee Meetings

Partner Organizations

Held once a year alternately in Japan and partner country

FoS Symposium

6 or 8 basic areas, session topics for cutting edge, transdisciplinary discussion

JSPS

5th symposium on JFFoS was held in Tokyo, Japan, in January 2011.

6th symposium on JFFoS is held in Nice in January 2012.

MESR, MAEE, CNRS
National Academy of Sciences
Alexander von Humboldt-Foundation

Organizing Committee Meetings
JSPS’s International Programs with France

- Core-to-Core Program
- International Training Program
- Joint Research Projects
- Joint Seminars
- Postdoctoral Fellowships
- Invitation Fellowships Program
- Postdoctoral Fellowship for Research Abroad

INSTITUTION TO INSTITUTION

GROUP TO GROUP

INDIVIDUALS
JSPS Core-to-Core Program

**OBJECTIVE**

- Promote International Collaboration in Cutting-edge Fields and Create World-class Research Hubs
- Foster Young Researchers through Networking among the Most Advanced Research Institutions in Japan and Other Countries

**FUNDING**

- $10-30$ million (€ $74,000-222,000$) a year per project x 2-5 years
<table>
<thead>
<tr>
<th>Research Theme</th>
<th>Core Institute in Japan (Co-Chair)</th>
<th>Country</th>
<th>Partner Research Institutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Research Network for Dark Energy</td>
<td>Graduate School of Science, University of Tokyo (Prof. Yasushi Suto)</td>
<td>UK</td>
<td>University of Edinburgh</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA</td>
<td>California Institute for Technology</td>
</tr>
<tr>
<td>Electronic Structures and Electronic Processes in Films and Interfaces Related to Organic Electronics</td>
<td>Graduate School of Science, Nagoya University (Prof. Kazuhiko Seki)→Associate Professor Yukio Ouchi</td>
<td>USA</td>
<td>Princeton University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Germany</td>
<td>University of Wuerzburg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sweden</td>
<td>Linkoeping University</td>
</tr>
<tr>
<td>High Energy Density Science</td>
<td>Osaka University (Prof. Ryosuke Kodama)</td>
<td>UK</td>
<td>Rutherford Appleton Laboratory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>France</td>
<td>Ecole Polytechnique</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA</td>
<td>University of California Berkeley</td>
</tr>
<tr>
<td>Center for Magnetic Resonance Molecular Imaging of In Vivo Redox System</td>
<td>Faculty of Pharmaceutical Sciences, Kyushu University (Prof. Hideo Utsumi)</td>
<td>USA</td>
<td>Ohio State University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UK</td>
<td>University of Aberdeen</td>
</tr>
</tbody>
</table>
### FY2008 Project: 1 Apr 2008 - 31 Mar 2010

<table>
<thead>
<tr>
<th>Research Theme</th>
<th>Core Institute in Japan (Co-Chair)</th>
<th>Country</th>
<th>Partner Research Institutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Establishment of International Research Consortium for Advanced Biomedical Engineering in Interface Flow Dynamics for Blood Flows, Blood Vessels, and Biomaterials</td>
<td>Tohoku University, Institute of Fluid Science (Assoc. Prof. Makoto Ohta)</td>
<td>Switzerland</td>
<td>University of Geneva</td>
</tr>
<tr>
<td></td>
<td></td>
<td>France</td>
<td>Ecole Centrale de Lyon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Australia</td>
<td>The University of Sydney</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA</td>
<td>Syracuse University</td>
</tr>
</tbody>
</table>

### FY2011 Project: 1 Apr 2011 - 31 Mar 2013

<table>
<thead>
<tr>
<th>Research Theme</th>
<th>Core Institute in Japan (Co-Chair)</th>
<th>Country</th>
<th>Partner Research Institutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>International research network for non-equilibrium dynamics of soft matter</td>
<td>Graduate School of Science, Kyoto University (Prof. Takao Ohta)</td>
<td>Germany</td>
<td>Heinrich-Heine University Dusseldorf</td>
</tr>
<tr>
<td></td>
<td></td>
<td>France</td>
<td>Atomic Energy Commission</td>
</tr>
</tbody>
</table>

### Strategic Research Networks

### FY2007 Project: 1 April 2007 - 31 Mar 2010

<table>
<thead>
<tr>
<th>Research Theme</th>
<th>Core Institute in Japan (Co-Chair)</th>
<th>Country</th>
<th>Partner Research Institutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center for Advanced Research on the Interstellar Medium in Sub-mm Waves and Gamma Rays</td>
<td>Graduate School of Science, Nagoya University (Prof. Yasuo Fukui)</td>
<td>Germany</td>
<td>University of Cologne</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA</td>
<td>Stanford University</td>
</tr>
<tr>
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<td>Australia</td>
<td>University of New South Wales</td>
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<td>France</td>
<td>Centre d'Etude Spaciale des Rayonnements (CESR)</td>
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<td>UK</td>
<td>Cardiff University</td>
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<tr>
<td>Research Theme</td>
<td>Core Institute in Japan (Co-Chair)</td>
<td>Country</td>
<td>Partner Research Institutes</td>
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<td><strong>FY2008 Project: 1 April 2008 - 31 Mar 2011</strong></td>
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<tr>
<td>International Research Network for Exotic Femto Systems</td>
<td>Graduate School of Science, The University of Tokyo (Prof. Takaharu Otsuka)</td>
<td>USA</td>
<td>Oak Ridge National Laboratory</td>
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<td>Germany</td>
<td>Gesellshaft fuer Schwerionenforschung (GSI)</td>
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<td>France</td>
<td>Grand Accelerateur National d'Ions Lourds (GANIL)</td>
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<td>Finland</td>
<td>University of Jyvaskyla</td>
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<td>Norway</td>
<td>The University of Oslo</td>
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<tr>
<td>New Developments of Arithmetic Geometry, Motive, Galois Theory, and Their Practical Applications</td>
<td>Hiroshima University (Prof. Makoto Matsumoto)</td>
<td>USA</td>
<td>Duke University</td>
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<td>Italy</td>
<td>University of Padova</td>
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<td>University of Paris 11 Orsay</td>
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<td>Canada</td>
<td>University of Montreal</td>
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<td><strong>FY2009 Project: 1 April 2009 - 31 Mar 2012</strong></td>
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<tr>
<td>International Research Network for Dark Energy</td>
<td>Graduate School of Science, The University of Tokyo (Prof. Yasushi Suto)</td>
<td>UK</td>
<td>University of Edinburgh</td>
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<td></td>
<td>USA</td>
<td>Princeton University</td>
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<td>France</td>
<td>Institute for Astrophysics at Paris</td>
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<tr>
<td>High Energy Density Science</td>
<td>Osaka University (Graduate School of Engineering Prof. Ryosuke Kodama)</td>
<td>UK</td>
<td>Rutherford Appleton Laboratory</td>
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<td>France</td>
<td>Ecole Polytechnique</td>
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<td>USA</td>
<td>University of California San Diego</td>
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</table>
**Back ground**

**Proposal from German Agency**
At the G8-HORCs, a top level inter-agencies meeting, held in 2008, the creation of a new program to promote bottom-up international joint research was proposed by DFG (Germany).

**3rd Basic Science and Technology Plan**
This Plan mandates the systematic implementation of multi-lateral frameworks for international activities in science & technology, considering mutually complementary relations and existence of common issues between Japan and its counterpart countries.

**Objectives**
- Advancing knowledge and creating innovation
- Supporting top-class researchers
- Bolstering research experiences for young researchers
- Increasing multilateral collaborations

**Detail of 2nd Call**

**Theme of 2nd Call**
Material Efficiency – A first step towards sustainable manufacturing

**Project Period**
2 - 3 years

**Number of supported projects**
8-10 projects

**Total Budget**
10 million €

**Funding**
Research, Travel expenses, maintenance allowances

* Italy does not participate in the 1st & 2nd calls.
Welcoming Japanese Researchers to France under JSPS programs

- JSPS Postdoctoral Fellowship for Research Abroad
  - Sending Post-doc researchers for 2 years
- CNRS-JSPS Researcher Exchange Program
  - Sending researchers for max. 1 month
- Others
  Under the framework of Joint Research Projects, or Grants-in-aid, Strategic Young Researcher Overseas Visits Program etc.
Japanese Universities & Research Institutes
Research Institutions in Japan

- **Universities**
  - National Universities: 86 (National University Cooperation since 2004)
  - Public (prefectural or municipal) Universities: 95
  - Private Universities: 599

- **Public Research Institutes**
  Independent Administrative Institutions since 2001
  - Thematic sciences decided by each Ministry

- **Database for universities/research institutes**
  - [http://read.jst.go.jp/index_e.html](http://read.jst.go.jp/index_e.html)
  - [http://ge.nii.ac.jp/genii/jsp/index-e.jsp](http://ge.nii.ac.jp/genii/jsp/index-e.jsp)
The University of Tokyo: Campus Life
Kumamoto University: Campus Life
National Institutes

- High Energy Accelerator Research Tsukuba
- AIST Tsukuba
- NIMS (Material Science) Tsukuba
- RIKEN (Spring-8) Synchrotron Radiation Facility Harima
- JAMSTEC Yokosuka
- NIBB (Basic Biology) Okazaki
Number of Researchers exchanged through JSPS Programs

- French researchers to Japan
- Japanese researchers to France
JSPS French Alumni Association
Established in 28 November 2003, the JSPS Alumni Association now has over 370 members. President: Prof. Marie-Claire LETT

General Meeting in June 2011 (Photo→)
Support for JSPS French Alumni Association

Number of JSPS French Alumni

JSPS French Alumni Association:
http://assoc-jsps.u-strasbg.fr/
Support for JSPS French Alumni Association Bridge (Re-invitation) Fellowship Program

Purpose:
- An opportunity to revisit the Japanese institution
- Strengthen further research collaborations with Japanese colleagues

Applicable Fields:
- All fields of the humanities, social sciences and pure and applied sciences

Visit Period and Dates:
- A period of from 14 to 45 days

Terms of Award:
1) Roundtrip air ticket  2) Daily maintenance allowance of ¥15,000  3) Domestic research travel allowance of ¥150,000  4) Overseas travel accident and sickness insurance coverage
Our new website launched!  http://jspa.unistra.fr/

JSPS French Alumni Association website http://assoc-jspa.u-strasbg.fr/index.htm