Introduction to JSPS and the international programs

Nobuo UENO
Director, JSPS London

JSPS offices in Europe and the UK

- Strasbourg: www.jsps.unistra.fr
- Bonn: www.jsps-bonn.de
- London: www.jsps.org
- Stockholm: www.jsps-sto.com
Introduction of JSPS

Japan Society for the Promotion of Science

日本学術振興会

The Japanese largest funding agency

- Established through an endowment by Emperor Showa in 1932

Rooster: Harbinger of new knowledge that promises a brilliant future for humankind.
Who we are

Cabinet

Council for Science, Technology and Innovation (CSTI)

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

Ministry of Economy, Trade and Industry (METI)

Ministry of Health, Labor (MHLW)

JSPS

JST

NEDC

NEDO

AMED (2015~)

Bottom-up research
No priority area

For top-down and Mission-oriented research
What JSPS does

- **Supporting bottom-up research**
  (Grant-in-Aid, mainly “KAKENHI”: ~€2,000,000,000/80,000 projects)

- **Supporting research initiatives**
  WPI (World Premier International Research Centre Initiative)
  11 centres (+ 2 from 2018) in Japan
  [ ~€54,000,000 + Δ (by MEXT)]

- **Fostering next generations**
  Fellowships: ~ 6,000 Japanese pre-/post-docs

- **Advancing International collaborations**
  Mobility by “International programs” (per year):
  ~10,000 researchers in FY2017 from pre-docs to professors
Transition of JSPS Budget

(Unit: Mill. €)

<table>
<thead>
<tr>
<th>Year</th>
<th>Government subsides for JSPS</th>
<th>Grant-in-Aid for Sci. Research (KAKENHI)</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>1,423</td>
<td>373</td>
<td>217</td>
</tr>
<tr>
<td>2013</td>
<td>1,719</td>
<td>264</td>
<td>216</td>
</tr>
<tr>
<td>2014</td>
<td>1,696</td>
<td>21</td>
<td>207</td>
</tr>
<tr>
<td>2015</td>
<td>1,701</td>
<td>19</td>
<td>202</td>
</tr>
<tr>
<td>2016</td>
<td>1,757</td>
<td>18</td>
<td>198</td>
</tr>
<tr>
<td>2017</td>
<td>1,759</td>
<td>27</td>
<td>198</td>
</tr>
</tbody>
</table>
Number of Researchers Exchanged by JSPS Programs

◆ Foreign Researchers → Japan (FY2016)
Central / South America 50
- Brazil (20)
- Colombia (7)
- Argentine (6)
- Peru (5)
- Mexico (4)
- Others (8)
Middle East 50
- Turkey (23)
- Iran (9)
- Israel (9)
- Others (9)
Africa 174
- Tunisia (40)
- Egypt (37)
- South Africa (32)
- Kenya (10)
- Uganda (8)
- Burkina Faso (6)
- Others (9)

◆ Japanese Researchers → Abroad (FY2016)
Central / South America 53
- Brazil (30)
- Chile (6)
- Others (17)
Middle East 34
- Turkey (27)
- Israel (3)
- United Arab Emirates (2)
- Others (2)
Africa 174
- South Africa (45)
- Kenya (27)
- Tanzania (19)
- Others (48)

North America 330
- United States (280)
- Canada (50)

Europe 1,451
- France (342)
- Germany (304)
- U.K. (138)
- Italy (114)
- Russia (83)
- Sweden (62)
- Hungary (45)
- Finland (44)
- Spain (39)
- Nederland (38)
- Others (242)

Asia 2,166
- China (844)
- Korea (348)
- India (309)
- Thailand (124)
- Indonesia (104)
- Taiwan (92)
- Viet Nam (76)
- Bangladesh (67)
- Others (202)

Oceania 136
- Australia (88)
- New Zealand (48)

Total 4,357

North America 1,876
- Korea (501)
- China (456)
- Thailand (160)
- Indonesia (133)
- India (126)
- Malaysia (84)
- Taiwan (73)
- Others (343)

Europe 2,046
- France (363)
- U.K. (298)
- Switzerland (136)
- Russia (130)
- Italy (129)
- Sweden (81)
- Finland (61)
- Others (396)

Oceania 129
- Australia (68)
- New Zealand (60)
- Vanuatu (1)

Total 5,433
JSPS has Overseas Offices

The mission is to strengthen the scientific collaboration.

Mission
- Liaise with Overseas Counterpart Research- Promotion Organizations
- Hold Symposia
- Support Alumni Networks Formed among Former participants in JSPS Programs
- Disseminate Information on Scientific Trends in Japan
- Support Overseas Activities of Japanese Universities
International Collaboration Programs

INSTITUTION to INSTITUTION
- Core-to-Core Program

GROUP to GROUP
- Joint Projects/Seminars

INDIVIDUALS
- Fellowships Programs

Multilateral

Bilateral
Fellowship Programs to Japan

Ph.D. Courses
- 6 years after Ph.D.

Ph.D. - 6 years after Ph.D.
Mid career
Professor

Career Stages of Researchers

Postdoctoral Fellowships

- **Standard**
  - 1 - 2 years
  - Open recruitment
  - About 240

Invitation Fellowships for Research in Japan

- **Long-Term**
  - 2 -10 months
  - About 70

- **Short-Term**
  - 14-60 days
  - About 180

- **Short-Term S**
  - 7-30 days
  - A Few

Number of invited fellows

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Postdoctoral Fellowships</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>1,197</td>
<td>1,150</td>
<td>1,142</td>
</tr>
<tr>
<td><strong>Invitation Fellowships</strong></td>
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<tr>
<td>Short</td>
<td>267</td>
<td>259</td>
<td>207</td>
</tr>
<tr>
<td>Long</td>
<td>98</td>
<td>97</td>
<td>96</td>
</tr>
</tbody>
</table>

No. of in Summer PG increased as 13 → 20 for 2019. Appl. To CNRS
Bilateral Cooperation Based on MoUs

**Purpose:** To promote and support academic cooperation between highly qualified Japanese and overseas researchers

**Practice:** Equal or cross cost sharing for implementing cooperative activities

**Support:**
- Joint Research: Up to €22,000/year/project for two years
- Joint Seminar: Up to €18,500/seminar

**In France**
- CNRS
- Inserm
- Inria
- MEAE-MESRI

47 agencies in 33 countries
## Bilateral Programs between France and Japan

<table>
<thead>
<tr>
<th>Institutions</th>
<th>Number of projects/seminars</th>
<th>Duration</th>
<th>Subject Area</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CNRS (The National Center for Scientific Research)</strong></td>
<td>Joint Research Projects: 10</td>
<td>Up to 2 years</td>
<td>Humanities, Social Sciences and Natural Sciences</td>
</tr>
<tr>
<td></td>
<td>Joint Seminars: 5</td>
<td>Up to 1 week</td>
<td></td>
</tr>
<tr>
<td><strong>Inria (The National Institute for Research in Computer Science and Automation)</strong></td>
<td>Joint Research Projects: 2</td>
<td>3 years</td>
<td>Digital sciences, Computer science, Automation, and Applied mathematics</td>
</tr>
<tr>
<td></td>
<td>&quot;AYAME Program&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inserm (The French National Institute of Health and Medical Research)</strong></td>
<td>Joint Seminars: 1</td>
<td>2 to 3 days</td>
<td>Life Science and Health</td>
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<tr>
<td><strong>MEAE-MESRI (The Ministry for Europe and Foreign Affairs- The Ministry of Higher Education, Research and Innovation)</strong></td>
<td>Joint Research Projects: 12</td>
<td>Up to 2 years</td>
<td>Humanities, Social Sciences and Natural Sciences</td>
</tr>
<tr>
<td></td>
<td>&quot;SAKURA Program&quot;</td>
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</table>

Bilateral Programs between France and Japan (P. 22-24 for more information)
SAKURA Program: with French Foreign Ministry

Japan-France Integrated Action Program

For young researchers

JSPS

Apply

Support

Agreement

Joint Research

Japanese Young Researchers

French Young Researchers

Apply

Support

MEAE-MESRI (The Ministry for Europe and Foreign Affairs, The Ministry of Higher Education, Research and Innovation)

- Subject Area For Projects for FY2019
  “Humanities, Social Sciences and Natural Sciences"

- Contact: Ambassade de France, Service pour la science et la technologie (SST)
  tel: 00 81 3 5798-6041, email: PHC.Sakura@ambafrance-jp.org
  website: www.ambafrance-jp.org
Bilateral Cooperation without MoUs: Open Partnership Joint Projects/Seminars

This program provides funding to the Jap researchers only. Therefore, French researchers are expected to secure matching funds on their own.

### JSPS
- Proposal Support
- Japanese Researchers
- Joint Research Projects
- Joint Seminars

### Any Funding Agencies
- Proposal Support
- Overseas Researchers

MoU is not necessary

Extended discussion also for future collaboration

<table>
<thead>
<tr>
<th></th>
<th>FY2015</th>
<th></th>
<th>FY2016</th>
<th></th>
<th>FY2017</th>
<th></th>
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</thead>
<tbody>
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<td></td>
<td>Projects</td>
<td>Seminars</td>
<td>Projects</td>
<td>Seminars</td>
<td>Projects</td>
<td>Seminars</td>
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<tr>
<td># of application</td>
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<td>56</td>
<td>197</td>
<td>29</td>
<td>258</td>
<td>27</td>
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<tr>
<td>(# of countries)</td>
<td>(54)</td>
<td>(25)</td>
<td>(46)</td>
<td>(22)</td>
<td>(51)</td>
<td>(15)</td>
</tr>
<tr>
<td># of selected projects</td>
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<td>8</td>
<td>46</td>
<td>6</td>
<td>45</td>
<td>5</td>
</tr>
<tr>
<td>(# of countries)</td>
<td>(33)</td>
<td>(8)</td>
<td>(23)</td>
<td>(6)</td>
<td>(26)</td>
<td>(5)</td>
</tr>
</tbody>
</table>

Bilateral joint projects and seminars with countries that haven’t concluded MoUs.

Support for Japanese Team:
- Joint Research: Up to €14,800/year/project for two years
- Joint Seminar: Up to €14,800/seminar

Expected but not required
Advanced Research Networks

- **Target:** Any country in the world
- **Objective:**
  - Promote International collaboration in cutting edge fields by creating world-class research hubs
  - Foster new generations of talented young researchers in Japan and other countries
- **Grants:** Up to JPY 18 million = €133,000 /year
  - *Partner institutions are required to cover their own expenses.* (cf. international exchange fees etc.)
- **Project Duration:** 5 years

### Number of applications/selected proposals

<table>
<thead>
<tr>
<th></th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>App.</td>
<td>45</td>
<td>54</td>
<td>55</td>
</tr>
<tr>
<td>Sel.</td>
<td>7</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>
Alumni Associations and >7,400 of JSPS fellows join their activities.
Established in **2003**. The association now has over **631** members.

**Successive Presidents:**
- Prof. Marie-Claire LETT,
- Prof. Isabelle SASAKI

**Honorary President:**
- Prof. Jean-Marie LEHN

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**JSPS French Alumni Association :**

We provide an opportunity to revisit Japanese institutions for the ALUMNI members (former JSPS Fellows)

- **Purpose:**
  To strengthen further research collaborations with Japanese colleagues and enlarge French – Japanese academic networks.

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

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

- **Terms of Award:**
  1) Roundtrip air ticket
  2) Daily maintenance allowance of ¥15,000 (≒ €120)
  3) Domestic research travel allowance of ¥150,000 (≒ €1200)
  4) Overseas travel accident and sickness insurance coverage
Thank you for your kind attention.

Crowing Rooster
Harbinger of new knowledge that promises a brilliant future for humankind
Other useful information
Other method of TAKING young Jpn JSPS researchers into your group

PhD  Postdoc, PI

Overseas Research Fellowships

KAKENHI

Research Fellowships for Young Scientists

Overseas Challenge Program for Young Researchers

Advancing Strategic International Networks to Accelerate the Circulation of Talented Researchers

You can invite young Japanese researchers funded by JSPS to your group!

- Overseas Challenge Programme for Young Researchers
- Research Fellowships for Young Scientists
- Overseas Research Fellowships
- Advancing Strategic International Networks to Accelerate the Circulation of Researchers
- Grants in Aid for Scientific Research, • • • KAKENHI • • •