



JSPS

JSPS and its International Programs with Special References to Collaboration with ASEAN Countries

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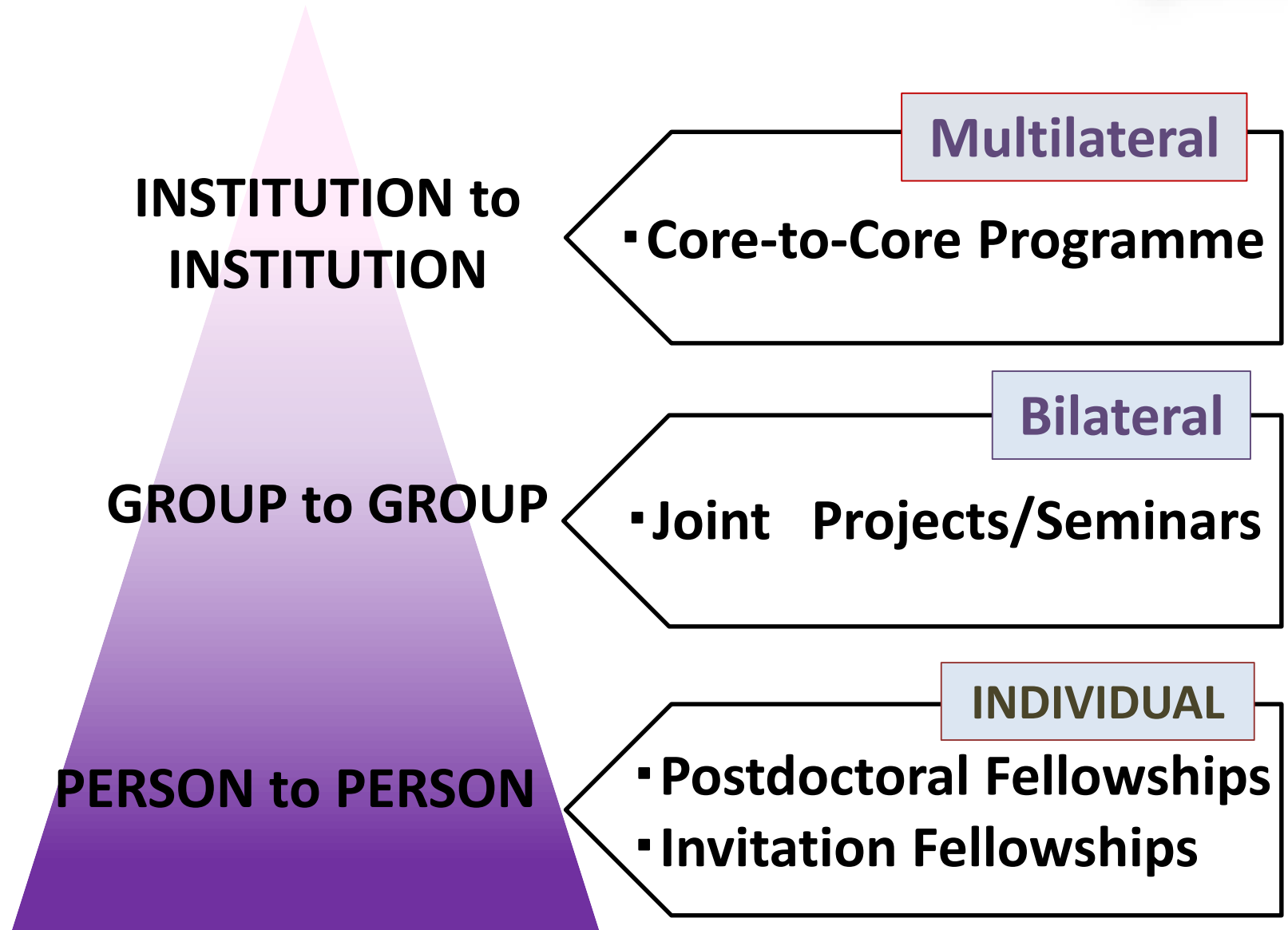
■ JSPS supports

curiosity-driven researches in **all disciplines:**

natural/medical/social sciences, mathematics, engineering and humanities.

■ JSPS funds

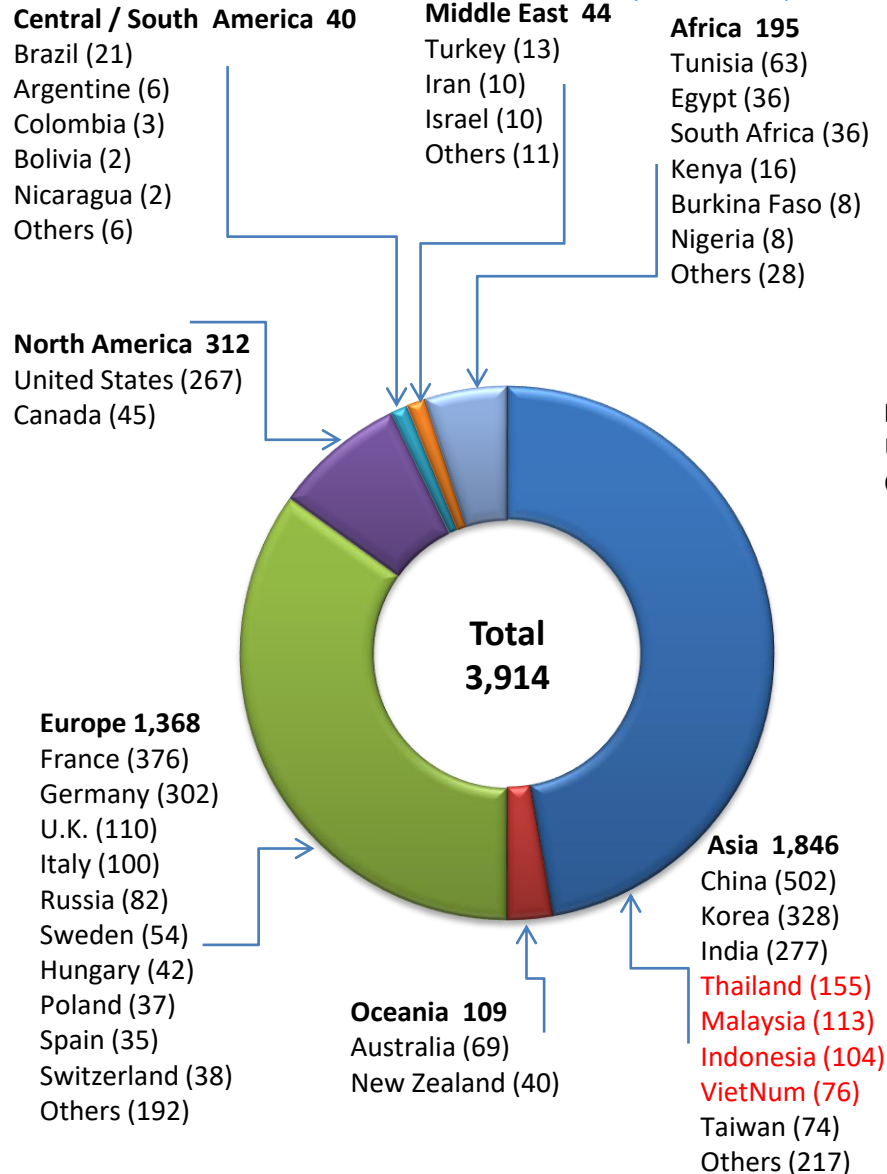
- Research Grants ~ **\$2 Billion** for ~**70,000 projects**
 - for researchers at Japanese Institutions, regardless of their nationality.
- Fellowships for ~**6,000** pre-/post-docs.
- Mobility Programs for ~**10,000 researchers**
(from pre-docs to professors)
- International Collaborations (Bi- and Multi- lateral)



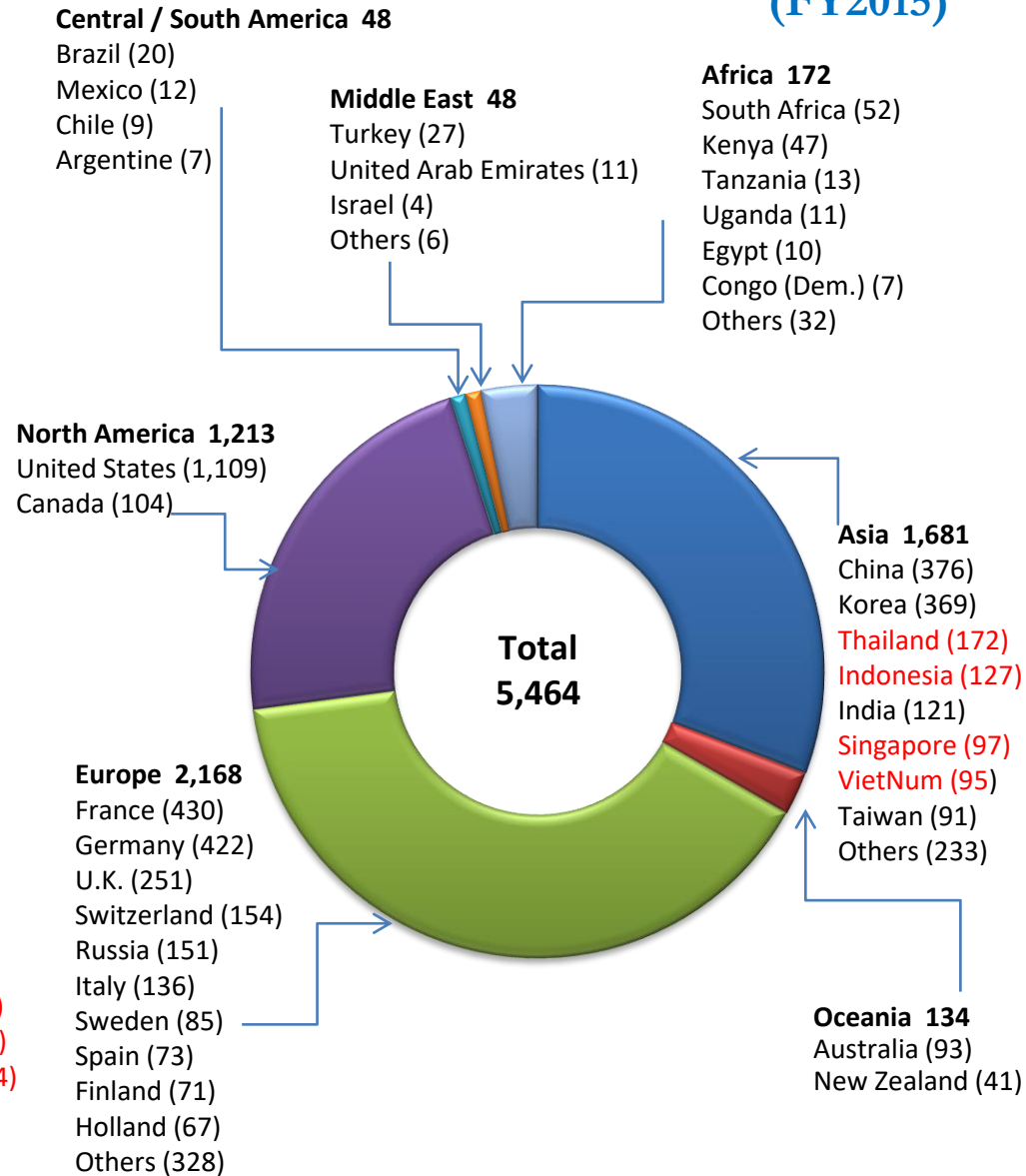
Number of Researchers Exchanged under JSPS Programs

JSPS

◆ Foreign Researchers → Japan (FY2015)



◆ Japanese Researchers → Abroad (FY2015)

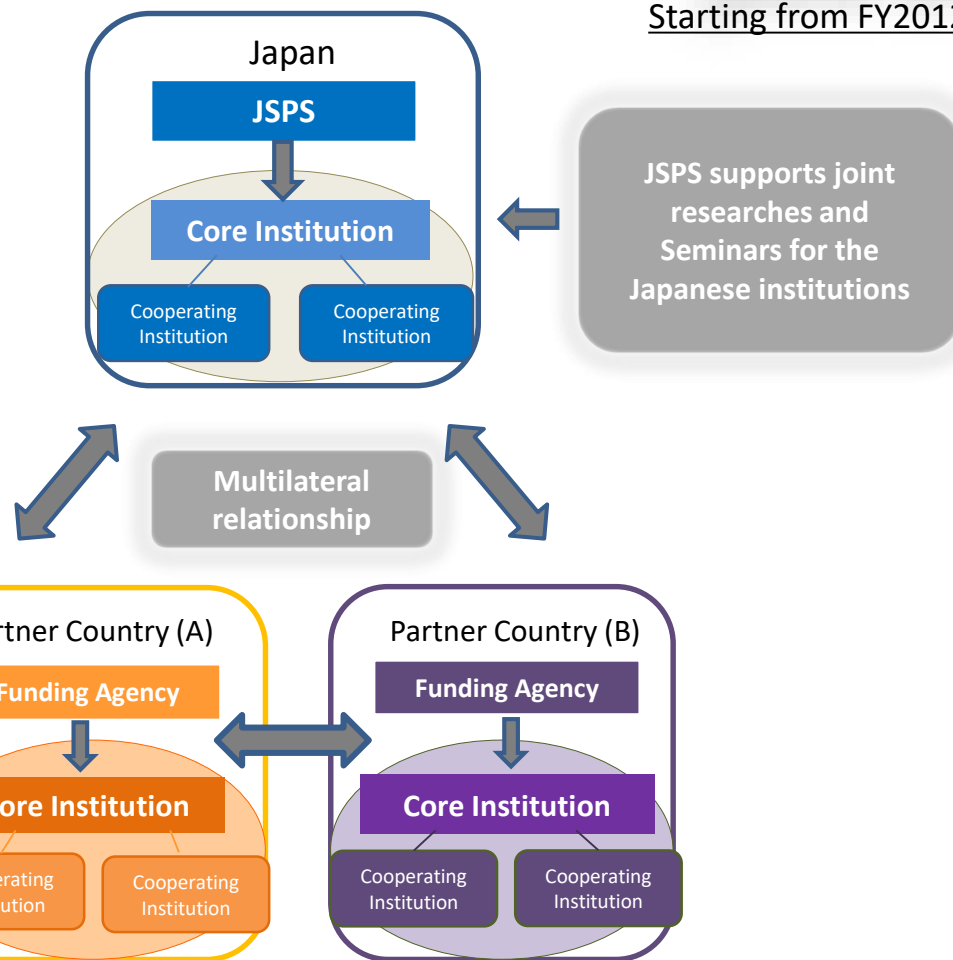


Creating Research Hubs – Core-to-Core Program– JSPS

Starting from FY2012

A. 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 /year from JSPS
- *Partner institutions are required to cover their own expenses. (cf. international exchange fees etc.)
- Project Duration: 5 years



B. Asia-Africa Science Platforms

- Target: Asian and/or African countries / regions
- Objective:
 - Japanese research institutions take the lead in building research hubs and fostering young researchers to contribute to Asian/African region
- Grants: Up to JPY 8 million /year from JSPS
- Project Duration: 3 years

Number of applications/selected proposals

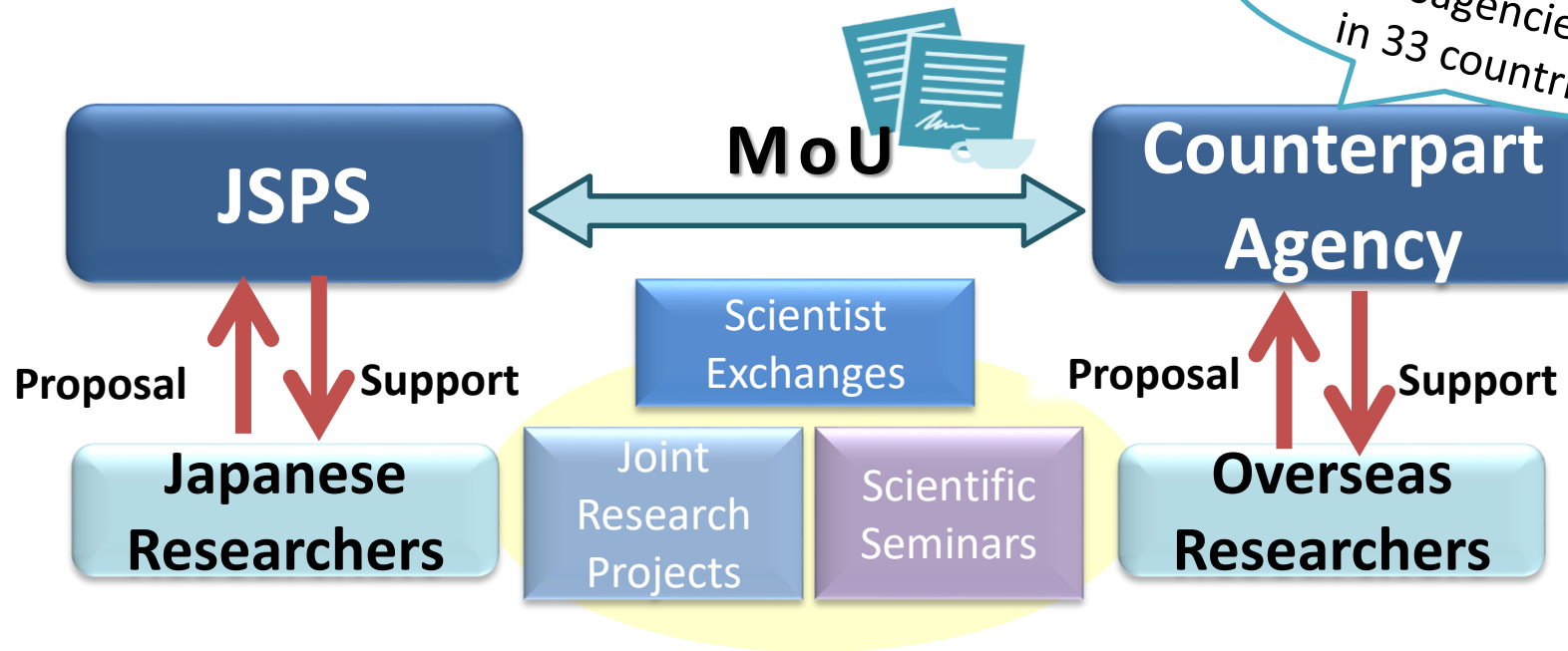
	FY2013		FY2014		FY2015		FY2016		FY2017	
	App.	Sel.	App.	Sel.	App.	Sel.	App.	Sel.	App.	Sel.
A. Advanced	34	8(*1)	41	8(*2)	45	7(*1)	54	7(*2)	55	8(*2)
B. Asia-Africa	80	11	56	10	41	10	77	12	70	12

(*) number of projects which includes ASEAN countries as one of the partner countries

Bilateral Cooperation Based on MoUs

JSPS

46 agencies
in 33 countries



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

Practice: Equal cost sharing for implementing cooperative activities

With ASEAN Countries

THAILAND (1978: NRCT), INDONESIA (1978: DG-RTHE, LIPI), Philippines(1979:DOST)

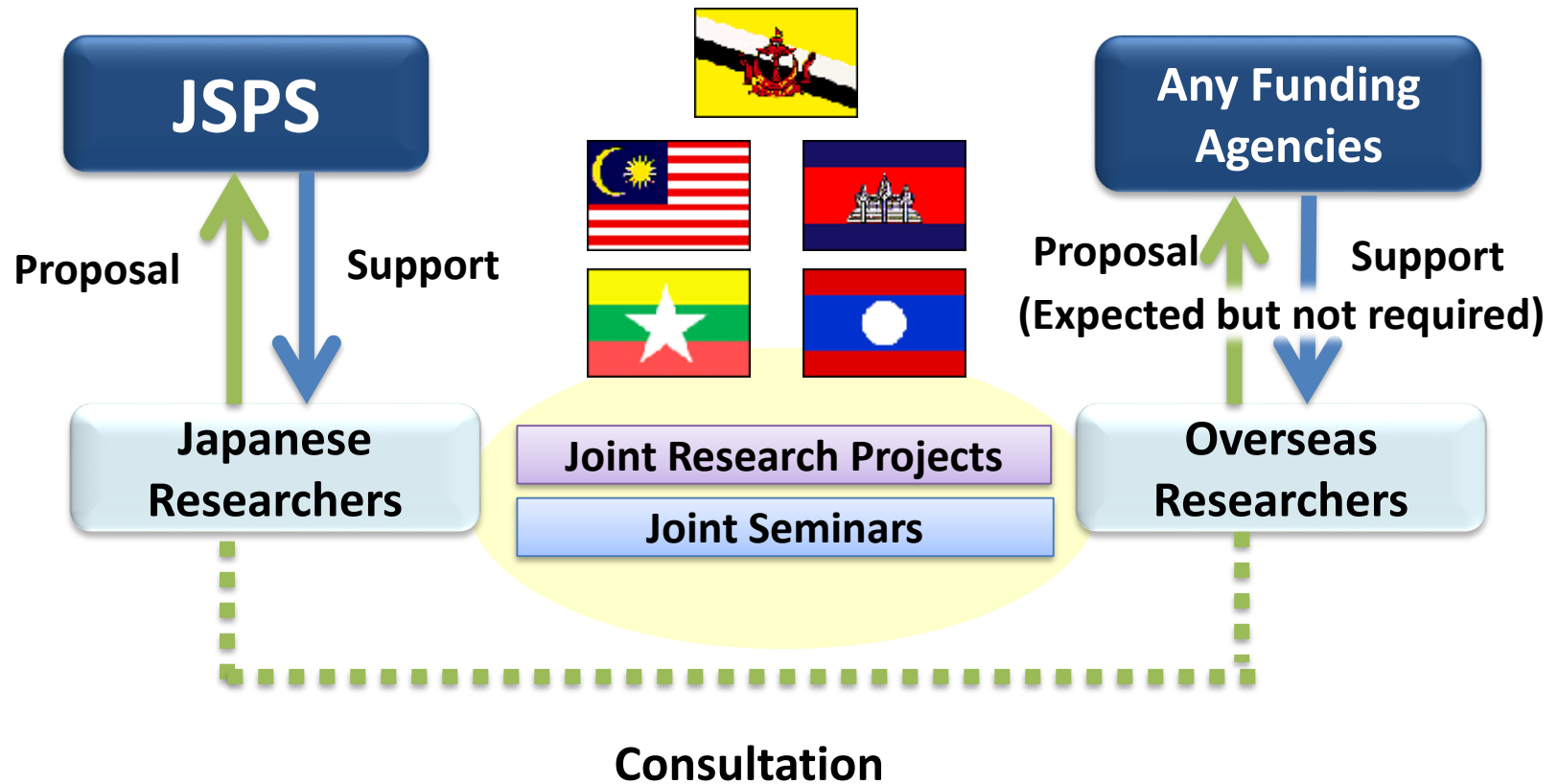
SINGAPORE (1983: NUS), VIETNAM (1996: NCST/VAST, 2012: MOST)

Bilateral Cooperation Based on MoUs

Number of Joint Research Projects and Seminars in FY 2017

Countries	Agency	Joint Research/ Seminar	# of adoption	# of applications submitted	% of adoption	# of ongoing	Total
Indonesia	DG-RSTHE	Joint Research	3	18	17%	6	9
	LIPI	Joint Research	1	4	25%	2	3
Philippines	DOST	Joint Research	1	12	-	0	1
Singapore	NUS	Joint Research	3	27	11%	2	5
		Seminar	1	3	33%	-	1
Thailand	NRCT	Joint Research	3	44	7%	4	7
Vietnam	MOST	Joint Research	-	-	-	2	2
	VAST	Joint Research	2	13	15%	4	6
Total			14	121	12%	20	34

Bilateral Cooperation without MoUs: Open Partnership Joint Projects/Seminars in 2017



In FY 2013, JSPS started a program of bilateral joint projects and seminars with countries that haven't concluded MoUs.

Number of joint research projects in FY 2016-2017

countries	FY2016		FY2017	
	# of application	# of adoption	# of application	# of adoption
Brunei	0	0	0	0
Cambodia	2	0	1	0
Indonesia	1	0	4	1
Laos	0	0	2	1
Malaysia	5	1	9	2
Myanmar	3	0	7	2
Philippines	2	1	4	0
Singapore	0	0	1	0
Thailand	0	0	1	0
Vietnam	4	0	5	0
Total	17	2	34	6

Number of joint seminars in FY 2016-2017

countries	FY2016		FY2017	
	# of application	# of adoption	# of application	# of adoption
Brunei	0	0	0	0
Cambodia	0	0	0	0
Indonesia	0	0	0	0
Laos	0	0	0	0
Malaysia	0	0	0	0
Myanmar	0	0	1	0
Philippines	1	0	0	0
Singapore	0	0	0	0
Thailand	1	1	3	0
Vietnam	0	0	0	0
Total	2	1	4	0

Fellowship Programs to Japan

JSPS

Career Stages of Researchers

Ph.D.

6 years after Ph.D.

Mid career

Professor

Nobel Prize level

**Postdoctoral Fellowships
(Standard)**

1 - 2 years
About 350

**Invitation Fellowships
for Research in Japan**

(Long-Term)
2 -10 months
About 70

(Short-Term)
14-60 days
About 190

(Short-Term S)
7-30 days
A Few



Number of invited fellows

		2014	2015	2016
Postdoctoral Fellowships		1,257	1,197	1,146
Invitation Fellowships	Short	265	267	258
	Long	107	98	97

Aim:

- Giving opportunities for young Asian/African researchers to obtain PhD degree from Japanese universities by submitting dissertation
- About 25 fellows are newly selected every year from Asia and Africa
- Fellows are invited every year to visit their Japanese host researchers for 3 years
- Their host Japanese researchers are also allowed to visit the candidates in their countries

Eligibility:

- Hold a full-time position as a researcher in a university or research institution in his/her home country
- Under age 45

Duration of Fellowship :

- Up to 3 years

Successful
Ronpaku fellow
with her host
researcher



of fellows successfully received PhD (1978-2016)

Country	#	Country	#
1 Thai	216	7 India	33
2 Indonesia	145	8 Malaysia	28
3 Philippines	89	9 Bangladesh	17
4 Korea	79	10 Mongolia	7
5 China	72	11 Singapore	4
6 Viet Nam	40	TOTAL (including other countries)	757

HOPE Meetings with Nobel Laureates

JSPS

Outline

- Give opportunities for excellent PhD students and young researchers in the Asia-Pacific and Africa to engage in interdisciplinary discussions with Nobel Laureates and their own peers.
- Foster future scientific leaders in the region.
- Cultivate participants' wider perspectives and deepen their knowledge through various programs with the Laureates and their peers.

9th HOPE Meeting with Nobel Laureates

Date& Place:

February 27-March 2, 2017, Tokyo

Theme: Physics, Chemistry, Physiology/
Medicine and related fields

Participants :

110 PhD students and young researchers
from Japan, Australia, Bangladesh, China, Egypt,
India, Indonesia, Israel, Kenya, Korea, Malaysia,
Mongolia, Myanmar, Nepal, New Zealand, Philippines,
Singapore, South Africa, Taiwan, Thailand, Turkey, Vietnam



Participated Nobel Laureates

Prof. Klaus von Klitzing (Physics 1985)

Prof. Makoto Kobayashi (Physics 2008)

Prof. Takaaki Kajita (Physics 2015)

Prof. Ryoji Noyori (Chemistry 2001)

Prof. Jean-Pierre Sauvage (Chemistry 2016)

Prof. Edvard I. Moser (Physiology/Medicine 2014)



Overseas Research Fellowships <Individual Support>

Since 1982

FY 2014: 456 persons / 22 countries

FY 2015: 433 persons / 24 countries

Tenure: 2 years

Financial Support:

3.8 - 5.2 million Japanese yen /
year / person

Program for Advancing Strategic International Networks to Accelerate the Circulation of Talented Researchers <Organizational Support>

Since 2014

	2011	2012	2013	2014	2015
Projects	96	124	84	80	64
Countries	47	55	46	48	48
Dispatched	414	530	387	782	758
Invited				88	220

Duration of Projects: 1 - 3 years

Financial Support:

Up to 40 million Japanese yen /
year / project

(*however, the first year 25 million
Japanese yen / year / project)

Overseas Challenge Program for Young Researchers <Individual Support>

**New program
From FY2017**

- ◆ **Give doctoral students in Japan an opportunity to go overseas to challenge a new research environment where they engage in joint research with researchers in other countries**
- ◆ **Period: 3 to 12 months**
- ◆ **Financial Support:
1 - 1.4 million Japanese yen / person**



New program
From FY2015

Fostering Joint International Research

- Japanese researchers selected for Grant-in-Aid funding advance international research for set periods in collaboration with **overseas universities and research organizations**.
- International joint research is strengthened by rigorously selecting participants (e.g. professors, assistant professors) who can drive its advancement into the future.

- Period: about 6 months to one year
- Support: up to 12 million yen
(about 100,000 US dollars)

About 400 KAKENHI
grantees in Japan

Dispatched



Collaboration
with overseas
researchers

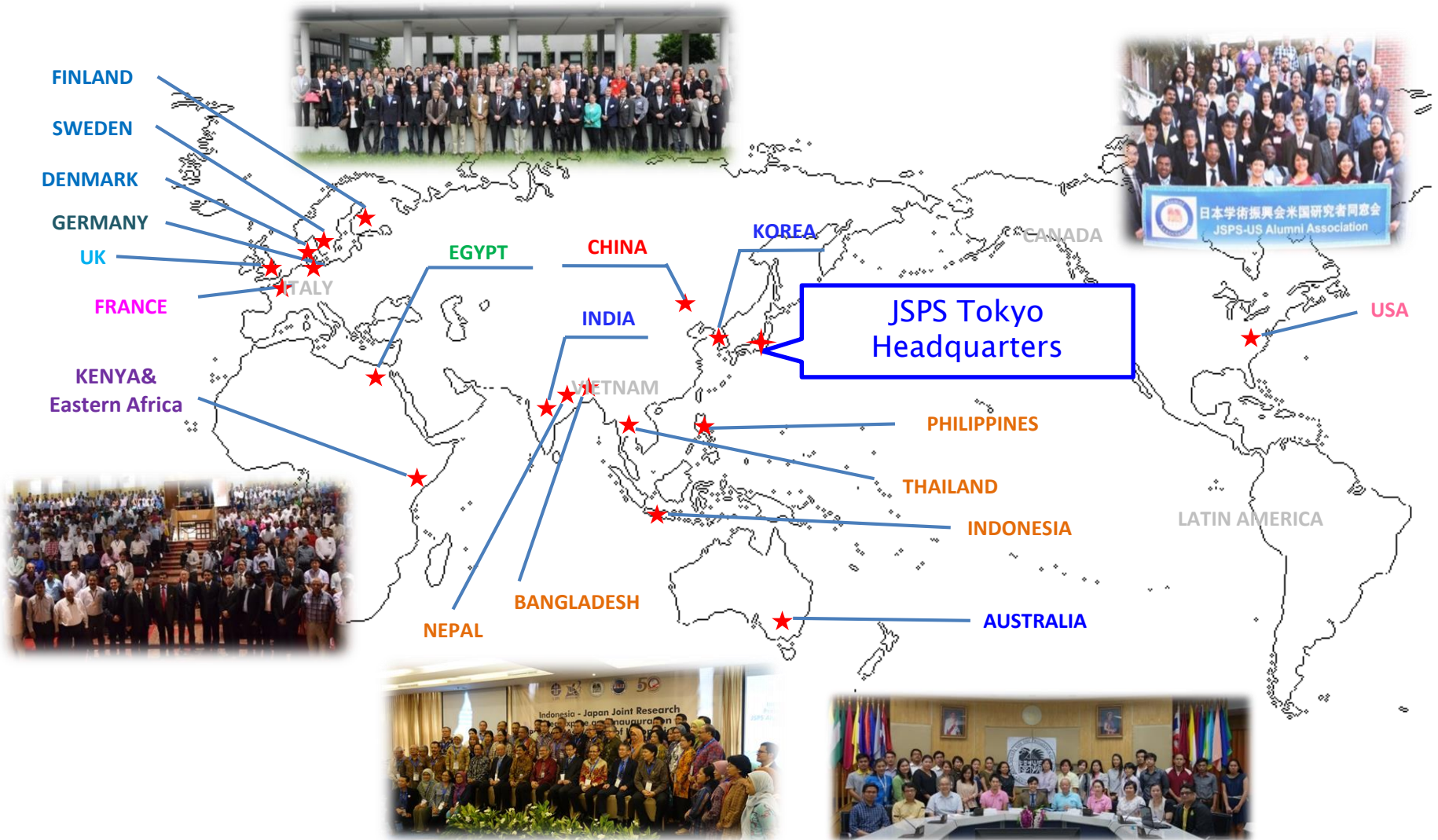
Program Committee is established within JSPS.

World's top-level Japanese researchers laboring overseas are members of the committee to carry out the application screening (7 members). The working group for the screening is established under the committee.

Other new categories under this program

- International Group
- Returning Researcher Development Research

18 Alumni Associations and **7,394** of JSPS fellows join their activities.



Overview

- ◆ Established in 1989
- ◆ Director: Prof. Kuniaki YAMASHITA
- ◆ Covers ASEAN region, Bangladesh and Nepal

Main Roles

- ◆ Collaborate with academic institutions in ASEAN region.
- ◆ Provide information about fellowship programs in Japan for researchers in the region.
- ◆ Organize academic seminars.
- ◆ Maintain and strengthen relationships with former JSPS fellows.
- ◆ Assist Japanese researchers and university administrators who visit ASEAN region.

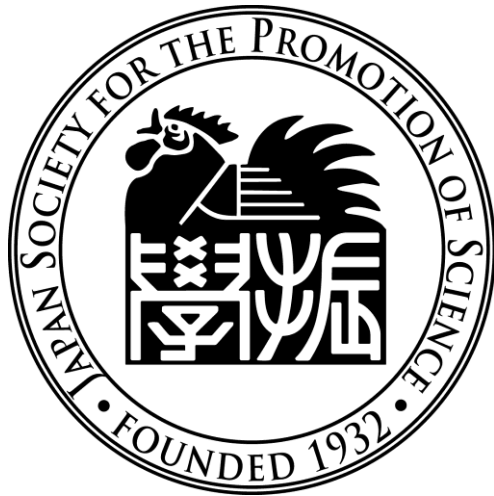


JSPS Program briefing at Burapha University, Thailand, 2016



JSPS- NRCT- JAAT Seminar in Bangkok, 2017

**Thank you for your kind
attention.**



Crowing Rooster
Harbinger of new knowledge
that promises a brilliant future
for humankind

