

Overview of JST's International Programs and Activities

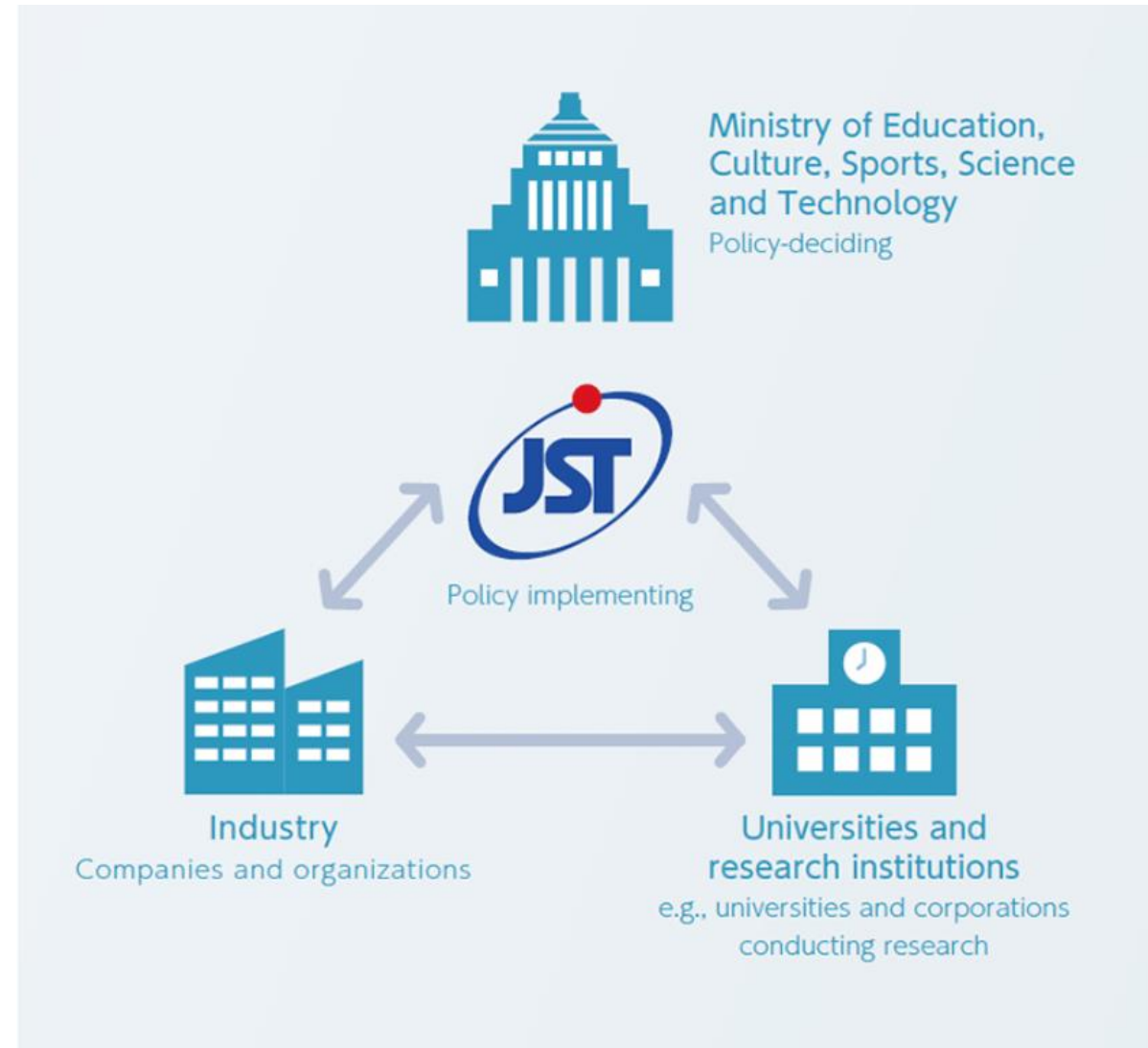
JST is a **national research and development (R&D) agency**, which plays a central role in the national Science, Technology and Innovation (STI) Basic Plan

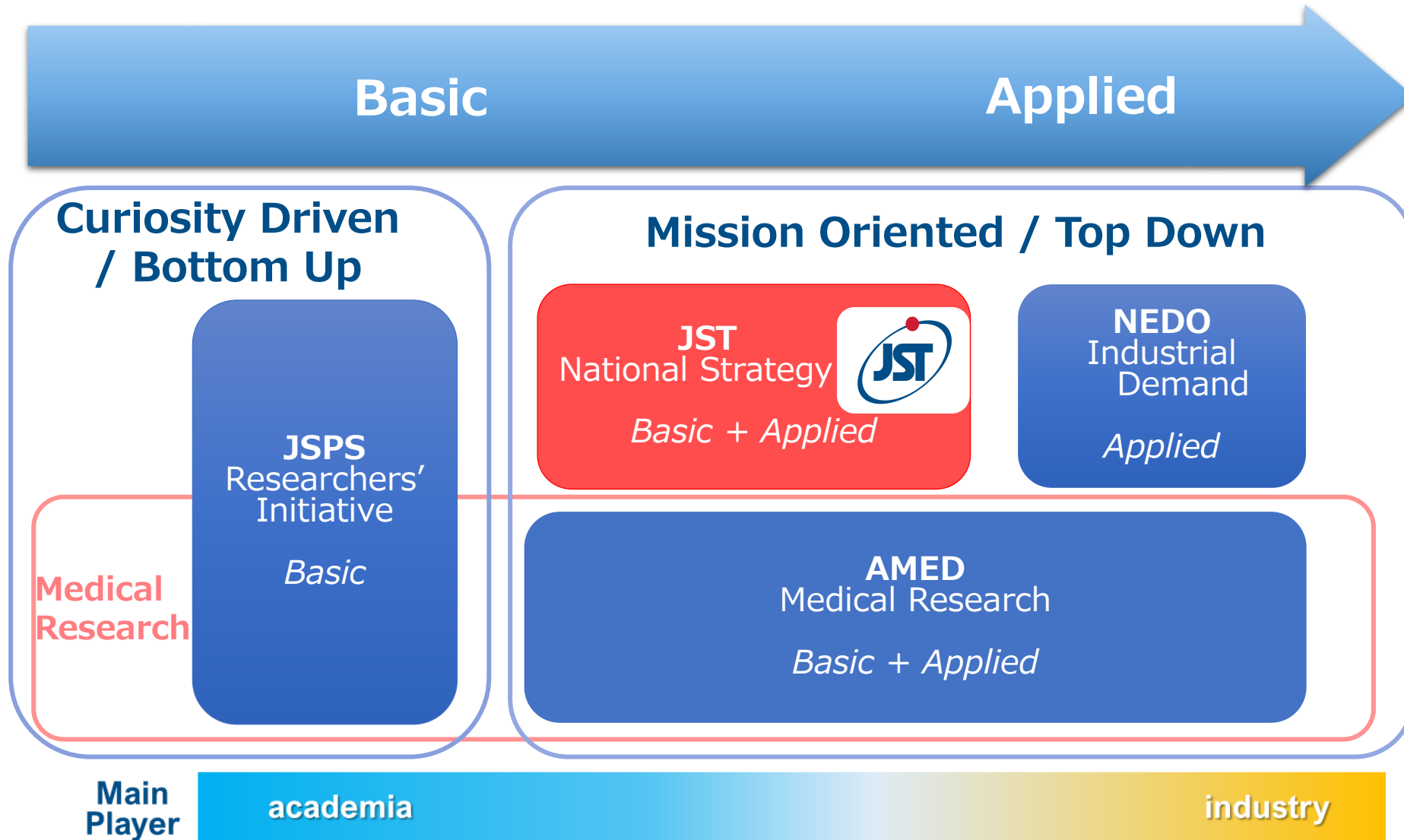
Started since 1996

Budget in 2024: **240B JPY (1.5B EUR*)**

of full-time employees: approx. **1,477**

*EUR=160 JPY







Research Funding

As a network-based research institute, JST takes the initiative to promote research and development activities linked to innovation, and tackles economic and social issues through the practical application of its research output as well as international collaborative research.



Public Engagement

JST promotes dialogue with various stakeholders toward co-creation of a future society. JST also fosters next generations talents in the fields of S&T as well as human resources who can contribute to S&T innovation.



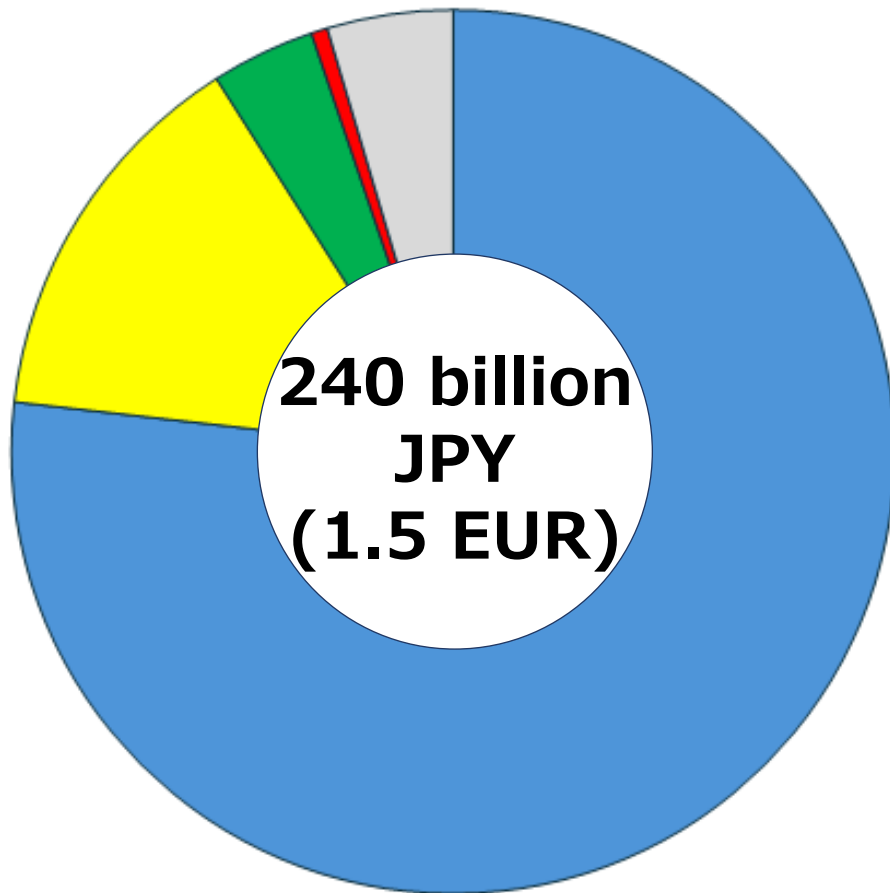
R&D Strategy Planning

JST formulate R&D strategies toward the future throughout dialogue with stakeholders and data analysis.



Information Platform and Database Services, etc.

JST collects, organizes, stores, and provides domestic and international scientific and technological information.



- Research funding (75.1%)
- Public engagement (16.2%)
- Information platform, database services, etc.(3.7%)
- R&D strategy planning (0.6%)
- Other programs (4.2%)

✓ **Strategic Basic Research**

- Create innovative technology seeds that achieve strategic goals
- Create "new value desired by society and industry"

✓ **Industry-Academia Collaboration and Technology Transfer**

- Create an environment for universities, research institutes, and industry to continuously generate innovation and promote commercialization

✓ **International Collaboration**

- Bolster Japan's scientific and technological capabilities
- Contribute solutions to challenges facing world today
- Accelerate talent circulation across the world

SICORP

ASPIRE

NEXUS

SATREPS

Objectives

- | | | | |
|--|---|--|--|
| <ul style="list-style-type: none"> To bolster scientific and technological capabilities To contribute solutions to challenges facing world today | <ul style="list-style-type: none"> To build top-level international network To nurture and mobilize future research leaders | <ul style="list-style-type: none"> To further strengthen the cooperative research relationship with ASEAN | <ul style="list-style-type: none"> To solve global issues |
|--|---|--|--|

Partners

A broad range of countries and regions	Advanced STI countries and regions	ASEAN countries	ODA-eligible countries
--	------------------------------------	-----------------	------------------------

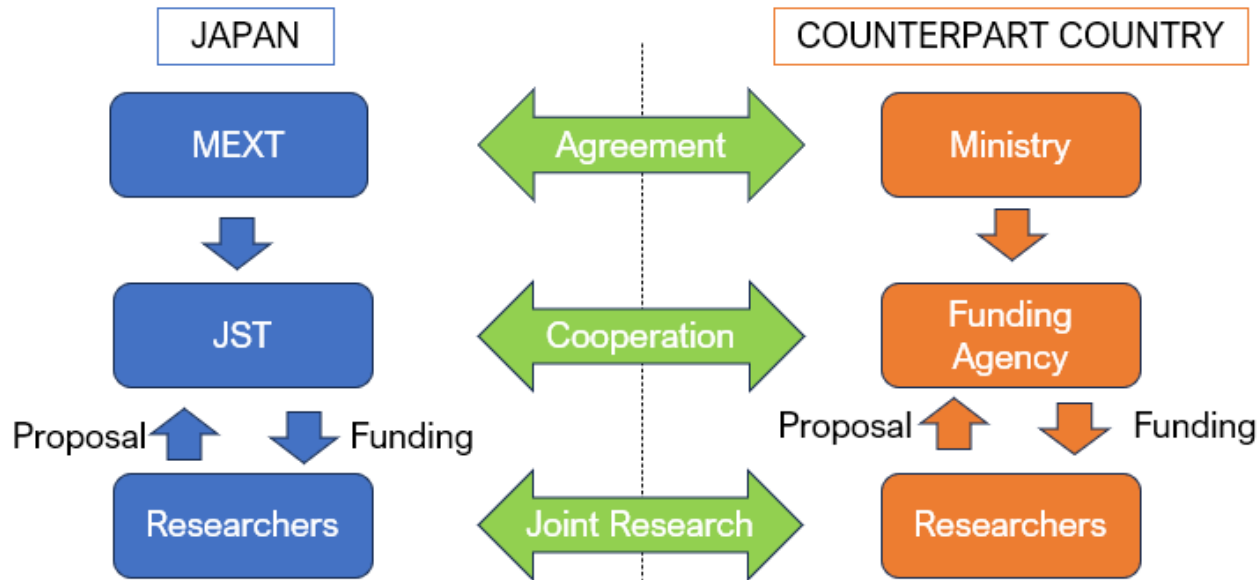
Schemes

Joint Call (Bilateral/Multilateral) 	<ul style="list-style-type: none"> Call for Japan based researchers Joint call 	<ul style="list-style-type: none"> Joint call Researchers exchange Local base establishment 	Call for Japan based researchers
---	--	--	----------------------------------

What is SICORP?

- An international joint research program based on inter-ministerial agreements **with countries and regions in S&T research fields strategically prioritized by MEXT**

Basic Scheme



Bilateral

- ✓ Basic Research
- ✓ Industry-Academia

Collaboration Hubs

- ✓ ASEAN
- ✓ India

Multilateral



Others

- ✓ Global partnership
- ✓ Disaster response



Aims

- ✓ to strengthen Japan's scientific and technological capabilities
- ✓ to contribute solutions to challenges facing world today

Partner Organization: VINNOVA

Field of Cooperation: Innovative Solutions, Community Design and Services for Elderly People

Scheme: International Academia-Industry Partnership

Research Period: FY2016 - FY2022

Continuous health status monitoring of elderly people using flexible skin patch sensors



Industry

NEC, Xenoma (JPN)
AbbVie AB et al.(SWE)



Takao SOMEYA
Vice President,
U of Tokyo



Magnus BERGGREN
Professor,
Linköping Univ

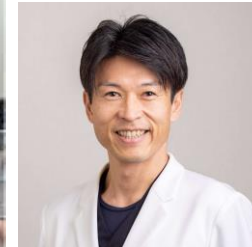


Innovative food technology systems for independent senior living



Industry

Food Care (JPN)
Findus Special Foods (SWE)



Koichiro MATSUO
Professor,
Science Tokyo



Mats STANDING
Professor, SP FB



The European Interest Group (EIG) Connecting and Coordinating European Research and Technology Development with Japan ("EIG CONCERT-Japan") aims to, through collaborative activities in the science, technology, and innovation fields, cultivate scientific excellence for the benefit of society while fostering linkage and network formation between European countries and Japan.

Key Figures

11

Joint calls
Since 2012

€42M

Budget
Combined since 2012

58+

Projects
funded

32+

Partners
In 20 countries

CORE RESEARCH FOCUS AREAS

Sustainability
Science

Energy

Device
Nanotechnology

Materials

Life
Science

ICT



Member Organizations

15 organizations from
13 countries

Country	Acronym	Organization
Japan	JST	Japan Science and Technology Agency
Bulgaria	BNSF	Bulgarian National Science Fund
Czech Republic	CAS	Czech Academy of Sciences
Czech Republic	MEYS	Ministry for Education, Youth and Sports
Estonia	ETAG	Estonian Research Council
France	CNRS	National Centre for Scientific Research (Program Secretary host)
France	ANR	French National Research Agency
Germany	DLR	DLR Project Management Agency
Hungary	NKFIH	National Research, Development and Innovation Office
Norway	RCN	The Research Council of Norway
Italy	CNR	Consiglio Nazionale delle Ricerche
Poland	NCBR	National Centre for Research and Development
Slovakia	SAS	The Slovak Academy of Sciences
Spain	AEI	State Research Agency of Spain
Turkey	TUBITAK	The Scientific and Technological Research Council of Turkey



YEAR	JOINT CALL TITLE	BUDGET COMMITTED	PARTICIPATION	PROJECT FUNDED
2012	<i>Efficient Energy and Distribution</i>	€2.8 million	12 countries	4 projects
-	<i>Resilience Against Disasters</i>	-	-	5 projects
2014	<i>Photonic Manufacturing</i>	€0.9 million	6 countries	4 projects
2016	<i>Food Crops and Biomass Production Technologies</i>	€1.9 million	5 countries	5 projects
2017	<i>Efficient Energy and Distribution</i>	€2.2 million	9 countries	5 projects
2018	<i>Functional Porous Materials</i>	€4.65 million	9 countries	5 projects
2019	<i>Smart Water Management for Sustainable Society</i>	€4.22 million	9 countries	5 projects
2020	<i>ICT for resilient, secure and safe society</i>	€4.73 million	11 countries	6 projects
2021	<i>Sustainable Hydrogen Technology as Affordable and Clean Energy</i>	€6.74 million	13 countries	6 projects
2022	<i>Design of Materials with Atomic Precision</i>	€3.94 million	8 countries	6 projects
2023	<i>Solutions for Carbon-Neutral Cities</i>	€3.6 million	8 countries	6 projects
2024	<i>Digital Transformations and Robotics in Sustainable Agriculture</i>	€6.9 million	13 countries	6 projects
2025	<i>Oceans: Climate Change Mitigation and Adaptation (To be launched)</i>			

Memorandum of Cooperation

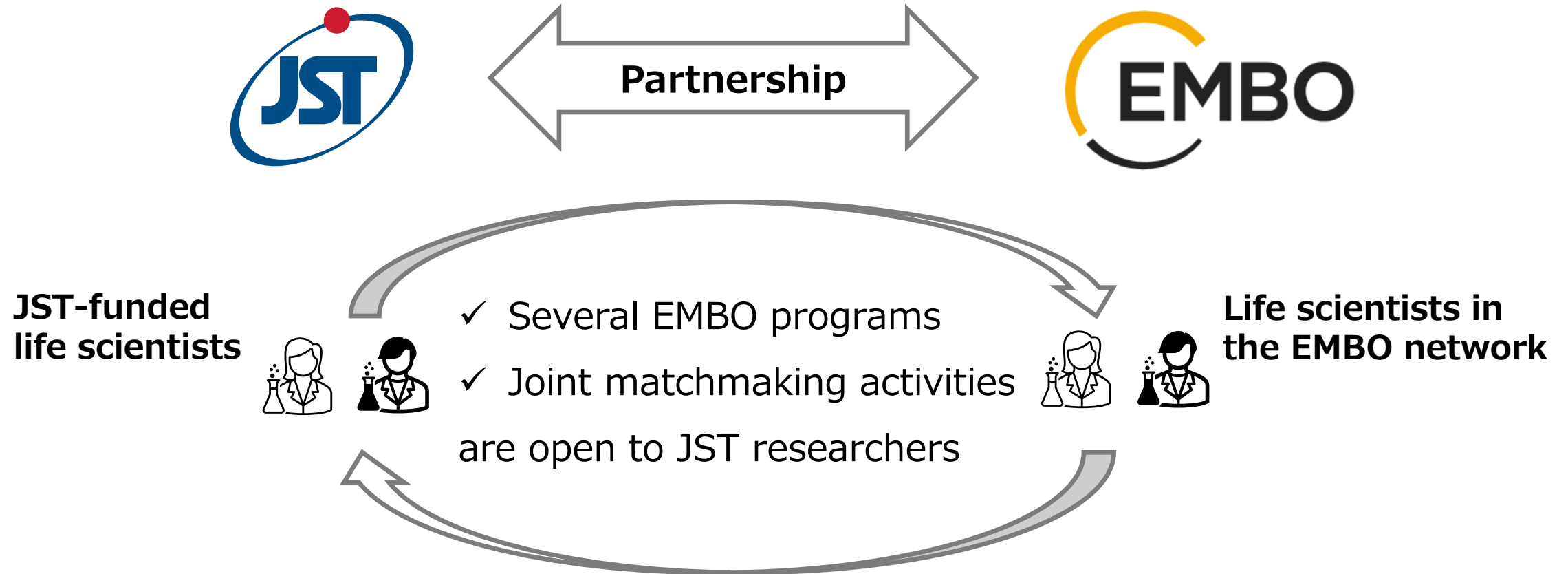
- ✓ Signed on July 24, 2023 @Tokyo
- ✓ To advance partnership in science, technology and innovation for 5 years



Joint Implementation Arrangement

- ✓ Signed on March 14, 2024 @Tokyo
- ✓ To establish a framework for specific collaborative activities
- ✓ JST and EMBO decide specific activities each year





Advancing life science collaborations between Japan and Europe!

EMBO Young Investigator Program

Boosting international careers of young independent researchers

- ✓ 4 years of financial and practical support for international network building

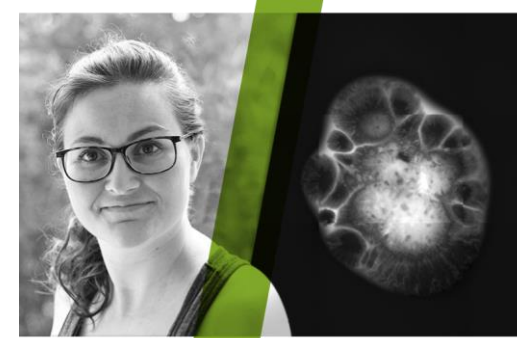


<https://www.embo.org/funding/fellowships-grants-and-career-support/young-investigator-programme/>

EMBO Scientific Exchange Grants

Entrance of international network building for ECRs

- ✓ Funding research visits of one week up to three months between laboratories in eligible Member States and Cooperation Partners



<https://www.embo.org/funding/fellowships-grants-and-career-support/scientific-exchange-grants/>

JST-EMBO Joint Matchmaking Activities

Networking among excellent researchers in Japan and Europe

- ✓ Matchmaking workshop for researchers supported by JST and EMBO



Credit: EMBO

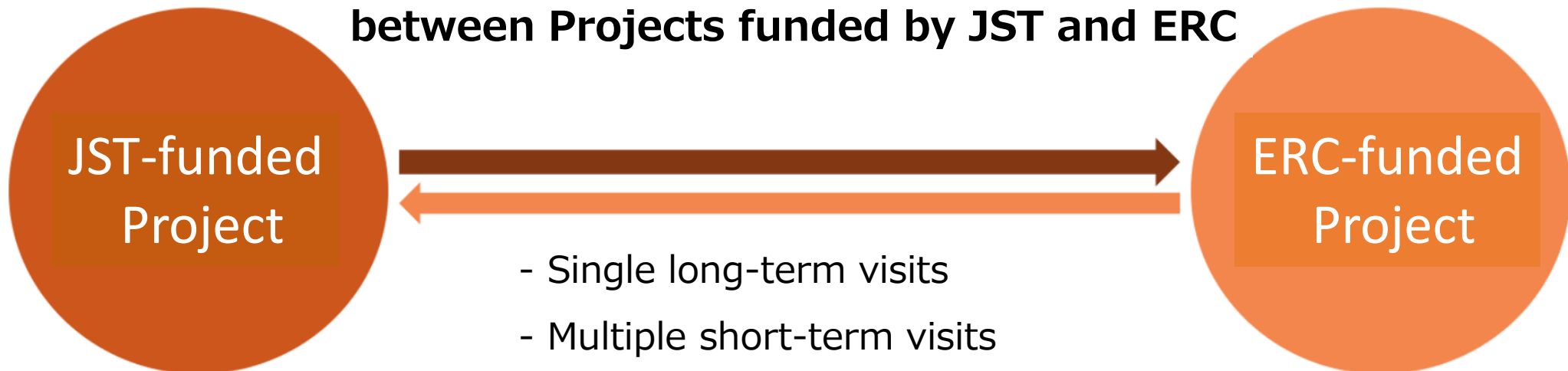
Overview

Implementing Arrangement (IA) for research exchange between JST and ERC

- ✓ Signed on October 7, 2018
- ✓ To promote research mobility between EU and Japan



Promotion of Research Visits between Projects funded by JST and ERC



Benefits

Network opportunities

- ✓ Over 650 ERC researchers in the list of ERC

Flexibility

- ✓ From several days to long-term visits

Project budget available*

*Advanced consultation with JST required if the project plan needs to modify

Examples

Foster early-career researchers

- ✓ Build international network building
- ✓ Search future posts overseas

Invite speakers for international conferences in Japan

Prepare international joint research projects

- ✓ ERC Synergy Grants, JST ASPIRE etc.

How it works for JST-funded researchers





Washington D.C.



Paris



Singapore



Beijing



Paris

Paris Office

Address: TOUR EGEE, 9-11 ALLE DE L'ARCHE
92400 COURBEVOIE (PARIS LA DEFENSE),
FRANCE

Email: info@jstparis.net

Website:

<https://www.jst.go.jp/inter/paris/index.html>



Mr. YAMADA Hirotaka
Director, Paris Office

Thank you!