JST and Africa
-Activities Related to Africa, present and future-

Gu Shan
Manager, Department of International Affairs
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Japan Science and Technology Agency

Japan's STI administration

Prime Minister

Cabinet Office

Council for S&T Innovation (CSTI)

(1) Investigation and deliberation on basic policy relating to S&T

(2) Investigation and deliberation concerning the policy for allocation of S&T related budget, human resources, etc.

(3) Evaluation of nationally important R&D

Ministry of Education, Culture, Sports, S&T (MEXT)

Ministry of Internal Affairs and Communications (MIC)

Ministry of Health, Labor and Welfare (MHLW)

Ministry of Agriculture, Forestry and Fisheries (MAFF)

Ministry of Economy, Trade, Industry and Tourism (METI)

Ministry of Land, Infrastructure and Transport (MLIT)

Ministry of the Environment (MOE)

Japan Agency for Medical Research and Development (AMED)

Universities

National R&D Agencies

- Japan Agency for Marine Earth Science and Technology (JAMSTEC)
- Japan Aerospace Exploration Agency (JAXA)
- **Japan Science and Technology Agency (JST)**
- National Research for Earth Science and Disaster Prevention (NIED)
- National Institute for Material Sciences (NIMS)
- The National Institutes for Quantum and Radiological Science and Technology (QST)
- RIKEN

Independent Administrative Institutes

- Japan Society for the Promotion of Science (JSPS)

Overview of JST

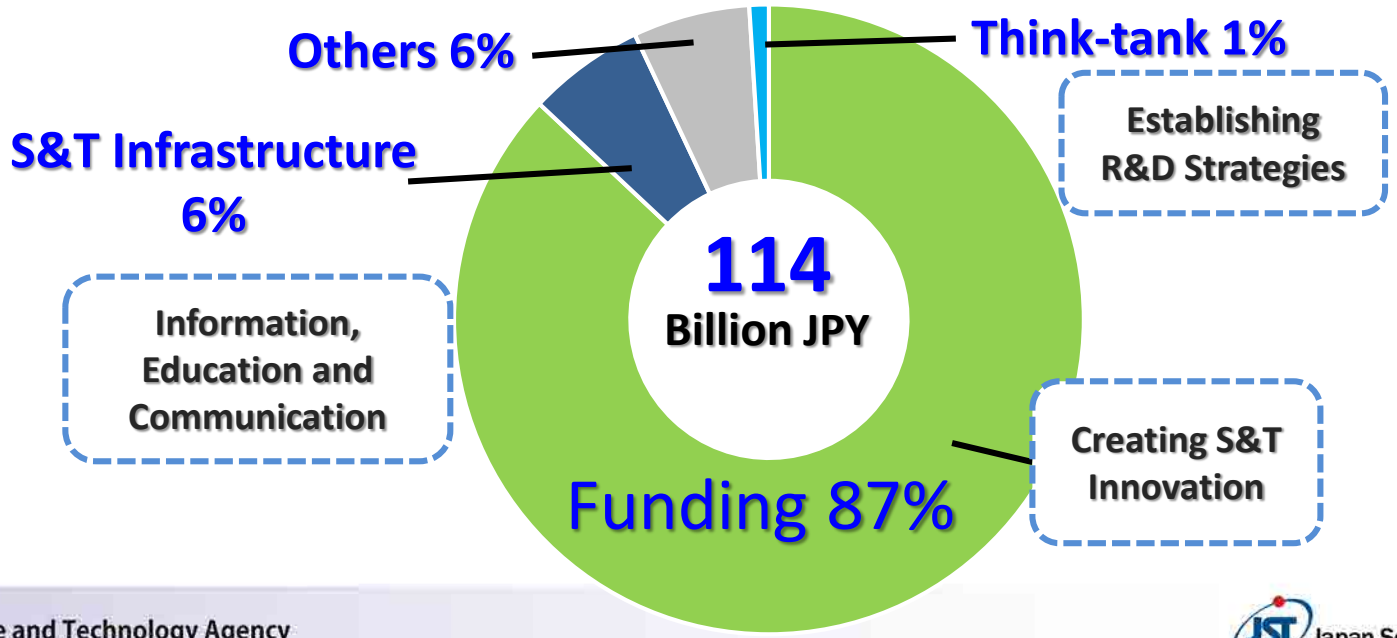
Mission

JST, an advanced network-based research institute that promotes the state-of-the-art R&D projects, boldly leads the way for co-creation of innovation for tomorrow's world together with society.

President

Michinari HAMAGUCHI, M.D., Ph.D (2015–)

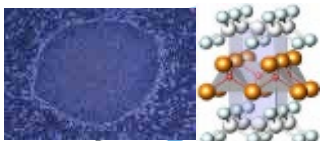
Budget(2018)



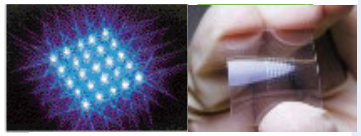
JST's 3 pillars of activities

Creating knowledge and transforming into socio-economic value

Promotion of R&D



Academia-Industry Collaboration



International Cooperation

System for Capital, Knowledge, and HR

Information Infrastructure

Formulating visionary R&D strategies for co-creation of the future

Promoting dialogue with society and cultivating human resources

Science Communication

Human Resource Development

Miraikan — National Museum of Emerging Science and Innovation

SCIENCE AGORA — Dialogue with multi-stakeholders

Science and Technology Research Partnership for Sustainable Development (SATREPS)

- ☐ Environment and Energy
- ☐ Bioresource Utilization
- ☐ Disaster Prevention and Mitigation
- ☐ Infectious Diseases Control

Global issues need international collaboration.

"Strengthening S&T cooperation with developing countries for resolving the global issues"

Aims of SATREPS

1. Enhancing Cooperation in Science & Technology
   ～Building win-win relationships between Japan and developing countries～

2. New Technology, New Knowledge, Innovations
   ～ Addressing global issues and advancing science ～

3. Capacity Development
   ～ Boosting self-reliant R&D capacity and sustainable research systems, training human resources and coordinating networking between researchers ～

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Practical Utilization/Implementation
of research outcomes

～Expecting outcomes to make a real contribution to society ～

Science & Technology × Official Development Assistance（ODA）

Science and Technology
•S&T Competitive Fund, Promoting STI

×

International Cooperation
•ODA, Official Development Assistance

Meeting Global Needs
•Resolving global issues and contributing to the science and technology community

×

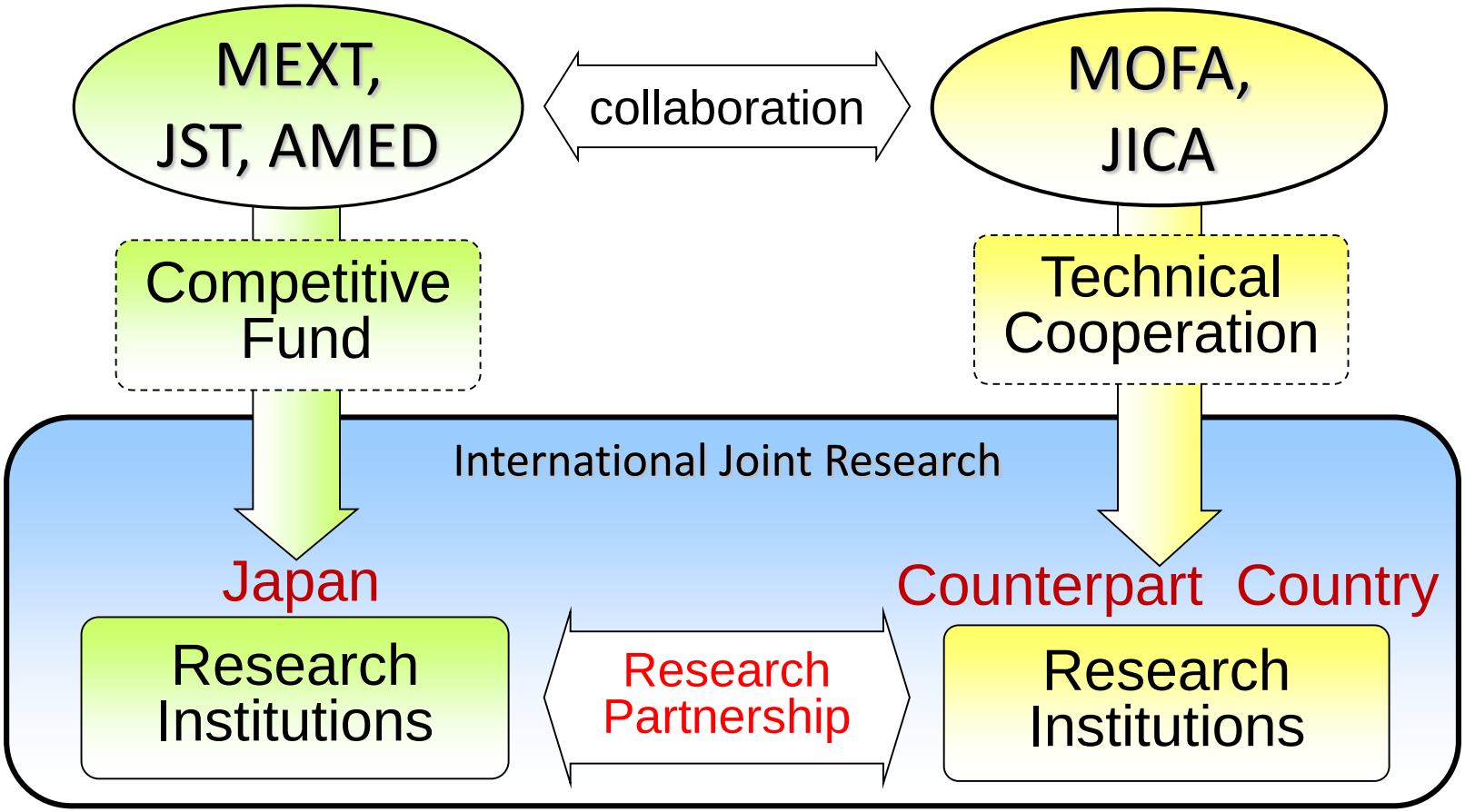
Meeting Local Needs
•Capacity development to address issues emerging as local needs in developing countries

Japan's Capabilities
•World-leading technology, proven research capacity
•Soft power

×

Developing Countries' Capabilities
•Direct experience, knowledge, and data needed for research on global issues
•Potential to contribute to the global economy through new markets and industries

SATREPS program structure



MEXT: Ministry of Education, Culture, Sports, S&T
JST: Japan Science and Technology Agency
AMED: Japan Agency for Medical research and Development
MOFA: Ministry of Foreign Affairs
JICA: Japan International Cooperation Agency

Research Period : 3-5 years
Research Funding
Approx. JPY95 million / project / year (USD* 849,000)
Funding split: JST: Approx. JPY35 million (USD* 313,000)
JICA: Max. JPY60 million (USD* 536,000)

Research Areas

4 fields 5 areas

☐Environment and Energy

・Global-scale Environmental Issues

Climate change mitigation & adaptation, Safe water supply, Biodiversity conservation..

・Low-carbon Society/energy

Biomass energy, Energy efficiency, Renewable energy..

☐Bioresource Utilization

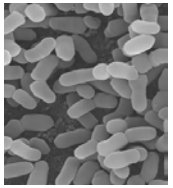
Breeding and cultivation technology, Bioresource management..

☐Disaster Prevention and Mitigation

Natural disaster mechanisms (Earthquakes, Volcanic..), Disaster mitigation..

☐Infectious Diseases Control

Diagnostic tool, Vaccines, Therapeutic products development
(Avian influenza, HIV/AIDS, Dengue fever..)



FY2015～ JST → AMED

※AMED：Japan Agency for Medical research and Development

SATREPS For the Earth, For the Next Generation

In total (since 2008) : 133 projects with 50 countries:

Area	Number of eligible countries	Number of projects
Asia	14 countries	69 projects
Africa	20 countries	36 projects
Latin America/Caribbean	9 countries	20 projects
Other regions	7 countries	8 projects

Workshop on Japan-Africa equal partnership in STI for Sustainable Development

Objectives

- To forge equal partnerships between Japan and Africa towards mutual capacity building and social implementation of R&D results.
- To consolidate and establish networks among STI implementing bodies in Japan and Africa.
- To exchange information and share ideas on the common issues and different approaches, complementarity and synergies.

Co-organized by

- Japan Science and Technology Agency (JST)
- Ministry of Higher Education, Research and Innovation (MESRI)

In cooperation with

- Japan International Cooperation Agency (JICA)
- Science Granting Councils Initiative (SGCI)
- African Academy of Sciences (AAS)

Workshop on Japan-Africa equal partnership in STI for Sustainable Development

Date: Thursday, 6th December 2018

Workshop 9:00 – 17:50 (registration starts at 8:00)

Reception 19:00 – 21:00

Venue: Radisson Blu Hotel Dakar, Senegal

Language: English and French, with simultaneous interpretation

Program:

Session I: Japanese programmes and initiatives for the cooperation with Africa (JST, JICA, JSPS, AMED, The University of Tokyo)

Session II: Pan-African perspective on STI in Africa (SGCI, AAS, AIMS, ARUA, Smart Africa, SDG center for Africa, UKRI, IRD, World Bank)

Session III: Possibilities of collaboration among funding organizations

Thank you for your attention!

Japan Science and Technology Agency