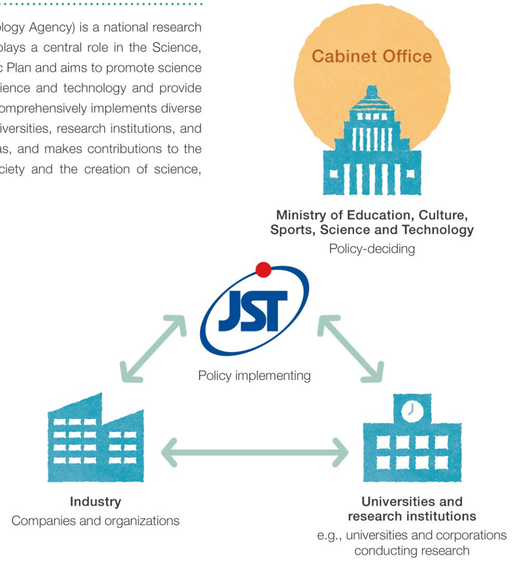
About JST

JST (Japan Science and Technology Agency) is a national research and development agency that plays a central role in the Science, Technology and Innovation Basic Plan and aims to promote science and technology. To promote science and technology and provide solutions to social issues, JST comprehensively implements diverse projects in collaboration with universities, research institutions, and industries in Japan and overseas, and makes contributions to the sustainable development of society and the creation of science, technology, and innovation.



Programs

Funding Programs

JST promotes research and development leading to innovation and address economic & social issues throughout the implementation of research results and international joint researches.

▶ SATREPS

Public Engagement

Promoting 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 contributes to S&T innovation.

R&D Strategy Planning

Throughout dialogue with stakeholders and data analysis, JST formulates R&D strategies toward the future.

Information Platform and Database Services, etc

JST provides information services supporting R&D activities. JST collects and organizes information on research articles, researchers, patents etc., and develops an infrastructure for providing access to the information. JST is also involved with Open Science activities aligned with the international trend.

For the Earth, For the Next Generation

SATREPS

Science and Technology Research Partnership for Sustainable Development

SATREPS

Japan Science and Technology Agency
Department of International Affairs, SATREPS Group

K's Gobancho Building, 7, Gobancho, Chiyoda-ku,
Tokyo, 102-0076, Japan
Tel: +81-3-5214-8085

@SATREPS @Friends of SATREPS

My name is *Reps*, and I'm the SATREPS mascot. My dream is to be a researcher or a philosopher, and I like taking my time to think things through. My hair, which looks like I just rolled out of bed, is my most charming feature. I'm modeled on a shoebill, a bird that lives in Central Africa. A shoebill waits patiently for just the right moment to catch a fish, just like a SATREPS researcher who takes their time to do one thing passionately.

https://www.jst.go.jp/global/english/

Japan Science and Technology Agency

Science and Technology Research Partnership for Sustainable Development

The SATREPS program promotes international joint research with the goal of resolving global issues as one aspect of "Science and Technology Diplomacy," which connects science and technology with diplomacy for their mutual advancement.
As the complexity of global issues such as climate change, food problems, natural disasters, and infectious diseases increase, developing countries that are more susceptible to their impacts are being placed in a difficult situation. To resolve these issues will require scientific and technological innovation, putting the results of research to use in society, developing human resources, and improving research capacity across national boundaries.
Researchers from Japan and developing countries are tackling issues together in the four fields of Environment and Energy, Bioresources, Disaster Prevention and Mitigation, and Infectious Disease Control*, discovering new knowledge and technologies with real-world applications in light of local needs, and thus contributing to the international community that is working toward sustainable development.

●What are "global issues"?
Issues that affect more than a single country or region and cannot be resolved without international collaboration.

*The field of Infectious Disease Control is managed by the Japan Agency for Medical Research and Development (AMED). Visit the AMED website (https://www.amed.go.jp/en/index.html) for more information. ▶

The Aims of SATREPS

Aim-1 International Cooperation
Enhancing international cooperation in science and technology between Japan and developing countries

Aim-2 Addressing Global Issues and Advancing Science
Acquiring new knowledge and technology that lead to the resolution of global issues and the advancement of science and technology, and through this process, creating innovations

Aim-3 Capacity Development
Boosting self-reliant research and development capacity in developing countries through international joint research, constructing sustainable research systems that can contribute to resolving issues, coordinating networking between researchers, and training human resources in developing countries and in Japan

Application in society

Research Fields and Areas

01 Environment and Energy
Global-scale Environmental issues

This area tackles many environmental issues facing humanity on a global scale, including the deterioration of ecosystems and biodiversity, the concentration of populations into urban centers, rising production and consumption, the spread of pollution, and climate change.

02 Carbon Neutrality
Global-scale Environmental issues

This area contributes to achieving carbon neutrality through research in areas such as limiting energy consumption, promoting renewable energy, and smart societies. Research outcomes can potentially be utilized in clean, economical energy systems to cut greenhouse gas emissions and realize a low carbon future.

03 Bioresources

Bioresources provide us with foods, animal feeds, energy resource, and much more, but as the global population grows and climates change, sustainable production, and use of bioresources is threatened. This research area points the way to sustainable means of the production and use.

04 Disaster Prevention and Mitigation

This area promotes researches on preventions and mitigations of natural disasters and large scale disasters that urbanization may exacerbate. Those activities are carried out as part of worldwide frameworks to realize safe, resilient, and sustainable cities and societies.

Visit our website (https://www.jst.go.jp/global/english/kadai/list.html) for more information about the SATREPS projects. ▶

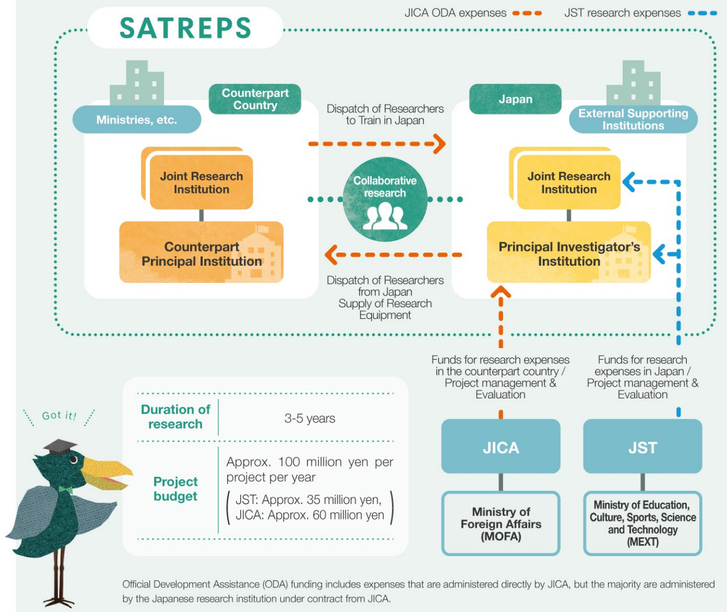
Program Structure

The overall management of the international joint research is handled jointly by JST, which has expertise in funding research projects at research institutions in Japan, and by JICA, which has expertise in technical cooperation in developing countries.
JST will provide research funding for project activities in Japan and elsewhere other than in the partner country as contract research funding, and JICA will provide funding for the dispatch of researchers from Japan to the partner country, the acceptance of researchers from the partner country to train in Japan, and the provision of equipment in the partner country and Japan as technical cooperation project* expenses.

*In JICA technical cooperation projects, the partner country must pay an appropriate part of the costs. The costs to be borne by the partner country consist mainly of personnel costs and of maintenance and management costs for the equipment provided, among others.

Visit the JICA website (https://www.jica.go.jp/english/index.html) for more information. ▶

Project System



Official Development Assistance (ODA) funding includes expenses that are administered directly by JICA, but the majority are administered by the Japanese research institution under contract from JICA.

PROCESS

Pre-consultation between researchers in the partner country and Japan

Signing of Record of Discussions (R/D) and Collaborative Research Agreement (CRA)
Record of Discussions (R/D) between JICA and the partner country research institution, etc. signed. Collaborative Research Agreement (CRA) between the research institutions also signed.

Formal Acceptance
After Record of Discussions (R/D) and Collaborative Research Agreement (CRA) are signed, the international joint research project officially starts.

Official start of the international joint research project

While promoting international joint research, equipment provision, training human resources, publicity activities, private sector collaborations, etc. are conducted.

Mid-term Evaluation

Terminal Evaluation

Project ends

Follow-up Evaluations, Ex-post Evaluation
Follow-up Evaluation by JST and Ex-post Evaluation by JICA

Detailed Project Planning
After provisional selection, Japanese side and their counterparts consider and discuss the details of the project for about a year through a detailed plan formulation survey conducted on site.

Conditional Acceptance
Research proposals that have passed the selection process are "provisionally selected".

Document Screening / Interview
A screening committee composed of external experts conducts document screening based on the research proposal documents, followed by interview screening based on a presentation by the researcher.

Document Submission
Having arranged the content of the research, the Japanese researcher needs to prepare a research proposal from the Japanese side and an ODA request from the partner country and submit each of these by the required deadlines.

●What is R/D?
The Record of Discussions (R/D) is a record of the discussions between representative organizations in the partner country and JICA, regarded as an agreement on the implementation of a technical collaboration project.

●What is CRA?
The Collaborative Research Agreement (CRA) is a written agreement for a joint research project between the Japanese side and the research institution (the party concerned) in the partner country.