

# Needs Survey Guidance for Science and Technology Research Partnership for Sustainable Development (SATREPS)

## 1. Outline of the Program

In recent years global issues that cannot be resolved by one country or region alone have been on the rise around the world, including global warming, energy and biological resource issues, the spread of infectious diseases, and the occurrence of natural disasters.

In FY2008, Japan launched a program called “Science and Technology Research Partnership for Sustainable Development (SATREPS)” as a framework for international cooperation that strives to resolve these global issues. Based upon the needs of and requests by recipient countries, this program aspires to promote international joint research between research institutions in Japan and those in recipient countries in order to obtain new knowledge that is conducive to resolving global issues. It also aims to ensure capacity building of research institutions in developing countries.

## 2. Details of the Program

### (1) Objective

This program is designed to promote international joint research in which both Japanese research institutions and those of recipient countries work together based upon the social needs in recipient countries. Its aims are to obtain new knowledge and to utilize research outcomes to the benefit of the society with a view to resolving global issues such as the environment and energy, biological resources, disaster prevention, and infectious diseases. In conjunction with this, it also aspires to improve the development of human resources and research capabilities in recipient countries by conducting joint research.

### (2) Eligible Fields of Research

<u>Environment and Energy</u>	1) Research contributing to the solution to global-scale environmental issues (Contributing to SDGs - response to climate change, conservation of ecosystems and biodiversity, sustainable use of natural resources, and pollution prevention and control)
	2) Research on the sustainable use of resources and energy with a view to achieving carbon neutrality (Contributing to SDGs - clean energy and climate action)
<u>Bioresources</u>	3) Research contributing to sustainable production and utilization of bioresources (Contributing to SDGs - food security, health promotion, nutrition improvement, and sustainable agriculture, forestry, and fisheries)
<u>Disaster Prevention and Mitigation</u>	4) Research on disaster prevention and mitigation towards social sustainability (Contributing to SDGs - analysis of disaster mechanisms, prior countermeasures, and disaster occurrence to post-disaster recovery and reconstruction processes)
<u>Infectious Diseases Control</u> ✕	5) Research on measures to address infectious diseases control attuned to the needs of developing countries

\*Special lots for African Countries or Small Island Developing States(SIDS)

This year (JFY2023)'s call will welcome for proposals with either of following themes.

1) Proposal in cooperation with African countries utilizing resources and energy for decarbonization or promoting decarbonization and recycling in the waste field.

2) Proposal in cooperation with Small Island Developing States(SIDS) tackling with climate change or focusing disaster prevention and mitigation.

To apply for this lot, applicant needs to mark the checkboxes in the ODA application form whether the project match with National Development Plan or STI for SDGs Roadmap. Please note that all proposals/applications (including the proposals/applications for special lots) shall be selected through the selection process lined below (8).

### (3) Cooperation Period

The period of the Joint Research is three to five years.

### (4) Steering structure (Roles of JST/AMED and JICA)

SATREPS is carried out through the collaboration of five Japanese institutions: the Ministry of Foreign Affairs (MOFA) and JICA, as well as the Ministry of Education, Culture, Sports, Science and Technology (MEXT) and the Japan Science and Technology Agency (JST) / the Japan Agency for Medical Research and Development (AMED).

JICA provides technical cooperation for recipient countries that are targeted for projects. JST and AMED provide supports to Japanese research institutions for research costs outside of the targeted countries, including within Japan (information including the project scheme is found in Figure 1). AMED takes care of research projects in the field of infectious diseases. The other fields of research are taken care of by JST.

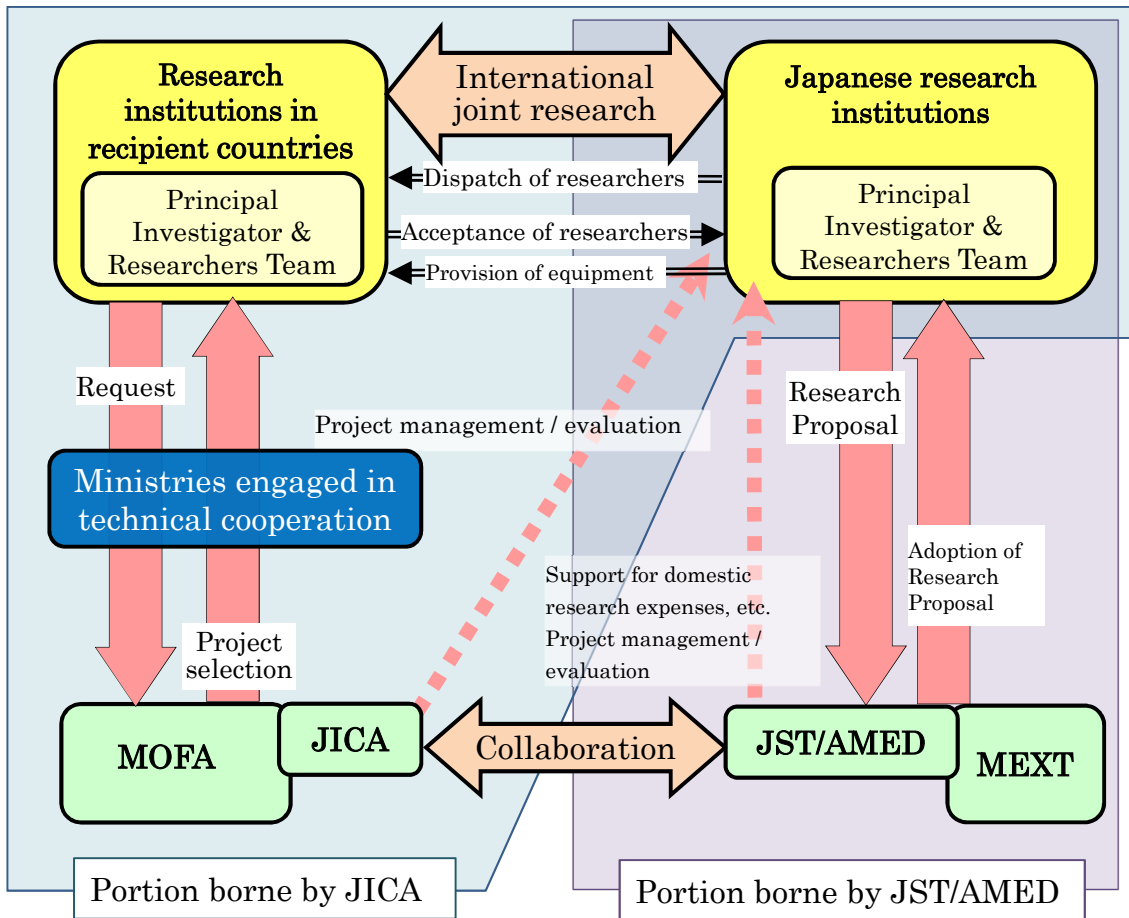


Figure 1. Project Scheme

(5) Essential Qualifications required for the proposed research project

- 1) A specific joint research structure must be well-prepared between the research institutions in the recipient country concerned and those in Japan that will undertake the joint research.
- 2) The substantive and practicable structure for the operation in the research institutions in the recipient country concerned must be confirmed in order for the joint research to be appropriately carried out.
- 3) There must be a request for assistance through Official Development Assistance (ODA) pertaining to the joint research from the recipient country concerned, and it must be confirmed that the requested project will contribute to the development or restoration of the economy and society in the areas around.
- 4) In conjunction with the ODA request mentioned above in the paragraph 3), research institutions in Japan must submit a research proposal to JST/AMED, and the content of the proposal must be evaluated by JST/AMED as a research worthy of being selected.

## (5) Content of the Desirable Research Cooperation

- 1) The requested research must have ideas that will lead to the future utilization of research outcomes to the benefit of society. It should not be a research for the sake of research itself.
- 2) There must be the expectation of improving the scientific and technological standards of both the recipient country and Japan.
- 3) The contents of the research plan must be narrowed down and it must be highly specific. There must also be the expectation that a certain degree of results will be brought about from the research within the cooperation period.

## (6) Organizations for the Joint Research

Organizations of the Joint Research are required to be those which carry out activities with a public nature in the targeted field(s), such as universities (including private schools), public research institutions, and so on (except military-affiliated research institutions). In addition, they must have structures that are suitable for conducting international joint research.

## (7) Expenses supported by JICA and by JST/AMED

JICA covers the expenses needed for the Japanese research institutions to carry out research cooperation activities (expenses for the dispatch of researchers from Japan, acceptance of invited foreign researchers, provision of equipment and research expenses incurred in recipient countries, etc.). In such cases, outlays management will be handled by JICA or by Japanese research institutions as is the case with ordinary JICA's technical cooperation projects.

JST/AMED furnish the Japanese research institutions with the expenses that they will need in order to conduct research in Japan and the third countries and to set in place structures necessary for research cooperation.

Please note in advance that, as this program is implemented within the ODA framework, it cannot provide support for local costs, such as the personnel costs for researchers from the recipient country, their travel expenses, supply expenses, or the cost of renting an office, etc. in the recipient country.

## (8) Selection process of the research proposals

Under SATREPS, JST/AMED engage in public recruitment for research proposals with a focus on research institutions within Japan at the same time as the ODA needs survey that is conducted by MOFA and JICA. Reviews are then held from scientific and technological perspectives while capitalizing on the knowledge of experts in the fields concerned.

Both the request form for an ODA project applied by the recipient country and the proposal document(s) for research project applied by the Japanese research institutions under JST/AMED programs are to be submitted by the prescribed deadline. In case that the both applied projects are confirmed to be identical (i.e., represent the same subject of research) as candidate projects for SATREPS, those candidate projects will be subject to the selection process. Then, in case that both of them are deemed worthy of being selected as projects for

SATREPS, a final decision for the adoption of the projects will be made. Please bear in mind that any ODA request form and/or research proposal document that have not been submitted by the deadline will not be acceptable.

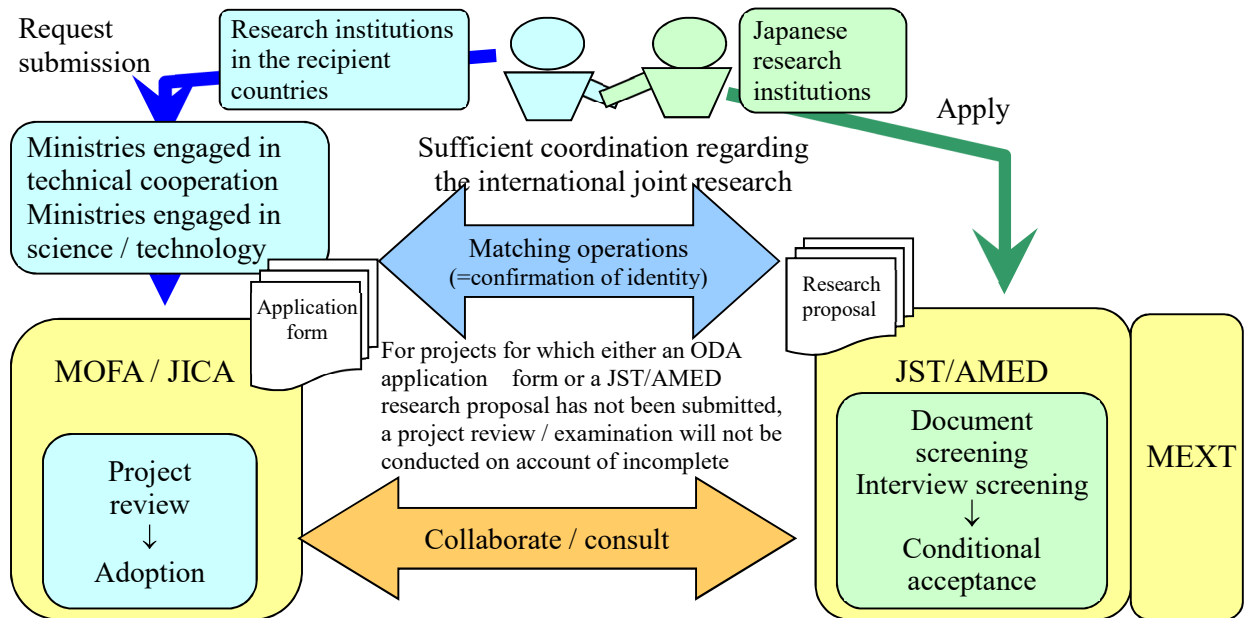


Figure 2. Selection process for the research proposal

(9) Considerations

- 1) Under SATREPS, as stated above, project examinations will only be carried out on projects for which both the ODA application form and the research proposal by Japanese research institutions have been submitted by the prescribed deadline and of which identity has been confirmed. Please kindly be noted that the required documents are to be submitted to the relevant authorities on the Japanese side (Japanese Embassy or JICA Office) by the submission deadline communicated separately by the Japanese side.
- 2) Please list specific information on the Japanese research institution(s) (the name of the research representative on the Japanese side, the name of their affiliated institution, etc.) that will conduct the international joint research on the ODA application form. With regard to the English project title listed on the ODA application form, you are kindly requested to write the same technical cooperation title (project title) as is described in the written research proposal submitted by the Japanese research institutions to JST/AMED based upon consultations with the said research institutions. The technical cooperation title (project title) should include a phrase of “project”. All of these constitute important information in terms of confirming identity in the matching operations.

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