Empowering Science, Inspiring Futures

JST Press Release #1842

April 16, 2026
Japan Science and Technology Agency (JST)

# JST announces 10 new FY2026 projects under the SATREPS program, which combines international joint research with ODA

The Japan Science and Technology Agency (JST) announced the new projects provisionally selected*1 for the Fiscal Year 2026 Science and Technology Research Partnership for Sustainable Development (SATREPS) program (Appendix 1).
SATREPS is a science and technology diplomacy initiative that promotes international joint research using advanced science and technology from Japan in combination with Official Development Assistance (ODA). The program is a collaboration between JST, the Japan Agency for Medical Research and Development (AMED) and the Japan International Cooperation Agency (JICA) supported by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) and the Ministry of Foreign Affairs (MOFA). Based on the needs of developing countries, JST and JICA cooperate to promote international joint research targeting global issues with an objective of utilization of research outcomes.
For FY2026, JST called for SATREPS project proposals from researchers in Japan in its three research fields—Environment and Energy*2, Bioresources, and Disaster Prevention and Mitigation—and began to accept proposals on August 19th, 2025. A total of 90 proposals were submitted by the close of applications on October 20th, 2025. The screening committee, composed of external experts, then reviewed the proposal documents and conducted interviews, including review from an ODA perspective, and provisionally selected 10 new projects, comprising five projects collaborating with Asian researchers, four projects with African researchers, and one project with Latin American researchers. The total number of countries selected for SATREPS projects is 60 (63 including projects under administration of AMED).

*1 Provisional selection:
Before formally starting a project, an international agreement needs to be concluded between MOFA and the government of the counterpart country regarding implementation of the project, followed by an agreement on the details of technical cooperation between JICA and the relevant institution in the country. However, the project may be unable to start in case that both sides do not reach agreement due to the reasons such as changes to the project name or the research details, shortening the research period or changes in the situation in the counterpart country. For this reason, the selection of these projects at this stage is considered to be provisional selection.

*2 Environment and Energy:
After the submission deadline, research proposals in the Environment and Energy research field will be allocated to one of two research areas (“Research contributing to the solution to global-scale environmental issues” or “Research on the sustainable use of resources and energy with a view to achieving carbon neutrality”) for screening. In principle, this allocation will be based on the proposer’s wishes; however, depending on the content of a proposal, it may be screened in a research area different from that requested by the proposer.

**Links**

AMED Press Release:
https://www.amed.go.jp/en/news/release_20260416.html
JICA Press Release:
https://www.jica.go.jp/english/information/press/2026/20260416_11.html

**Appendices**

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**Contact**

KOMIYA Izumi
Department of International Affairs (SATREPS Group)
Japan Science and Technology Agency
K's Goancho, 7 Gobancho, Chiyoda-ku, Tokyo 102-0076
E-mail: global@jst.go.jp

**"Empowering Science, Inspiring Futures"**

Our world faces unprecedented global challenges — such as climate change, energy crises, and emerging infectious diseases — that demand innovative solutions. JST will rise to these challenges through "Science and Technology," as a national research and development agency that plays a central role in implementing Japan's science, technology, and innovation policy. We support fundamental research and startups to create new value, develop R&D strategies, foster the next generation of talent, disseminate vital information, and manage the Japan University Fund. Like a compass guiding ships through turbulent waters, JST will chart the way towards a vibrant and secure future by empowering science through a multifaceted approach.

Appendix 1

**Provisionally Selected Projects for FY2026**

The following projects have been provisionally selected for FY2026. Within each field, projects are listed in alphabetical order of the project title. Project titles are based on the titles submitted by the researchers in the counterpart countries and may be modified as a result of further discussion between JICA and the counterpart country.
*◎: SATREPS Projects Promoting Focused Themes
*[ ]: counterpart country
*( ): Principal Investigator in Japan; affiliation

**Environment and Energy**
**"Research contributing to the solution to global-scale environmental issues"**

**"Project for Advancing Nationally Determined Contributions Targets through Innovative Mangrove Blue Carbon Management as a Nature-based Solution"**
[Republic of Indonesia]
*(Dr. SUWA Rempei; Senior Researcher, Forestry Division, Japan International Research Center for Agricultural Sciences)*

**"The Project for Co-management Model of Sustainable Fisheries Resource Utilization by Integrating Cutting-edge Genomic Science and Community-based Innovation"**
[United Republic of Tanzania]
*(Professor NIKAIDO Masato; School of Life Science and Technology, Institute of Science Tokyo)*

◎ **"The Project for Redefining Regenerative Agriculture: Optimizing Agricultural Profits and Environmental Functions"**
[Federal Democratic Republic of Ethiopia]
*(Professor Nigussie Haregeweyn Ayehu; International Platform for Dryland Research and Education, Tottori University)*

**Environment and Energy**
**"Research contributing to the sustainable use of resources and energy with a view to achieving carbon neutrality"**

**"Project for Ultramafic Rocks for a Net-Zero Future: Carbon Sequestration, Hydrogen Energy, and Metal Supply"**
[Mongolia]
*(Professor OKAMOTO Atsushi; Graduate School of Environmental Studies, Tohoku University)*

**"The Project for Advancing Microwave Wireless Power Transfer Technology"**
[Republic of the Philippines]

*(Professor SHINOHARA Naoki; Research Institute for Sustainable Humanosphere, Kyoto University)*

**"The Project for Carbon Neutral and Healthy City Based on AI-Driven Mobility Platform"**
[Socialist Republic of Viet Nam]
*(Specially Appointed Professor FUJIWARA Akimasa; Graduate School of Advanced Science and Engineering, Hiroshima University)*

**Bioresources**
**"Research contributing to sustainable production and utilization of bioresources"**

◎ **"The Project for Developing Sustainable Rice Production Systems through Advanced Breeding Materials and Low-Input Cultivation Technologies"**
[Republic of Kenya]
*(Associate Professor MAKIHARA Daigo; International Center for Research and Education in Agriculture, Nagoya University)*

**"The Project for Improving Livestock Production by Epidemiological Monitoring and Control of Reproductive Protozoan Diseases"**
[Argentine Republic]
*(Professor NISHIKAWA Yoshifumi; National Research Center for Protozoan Diseases, Obihiro University of Agriculture and Veterinary Medicine)*

**Disaster Prevention and Mitigation**
**"Research contributing to disaster prevention and mitigation towards social sustainability"**

**"The Project for AI-driven Seismic Risk Reduction for Low-rise Residential Buildings Integrating Local Materials and Diverse Social Approaches"**
[Kingdom of Morocco]
*(Professor SAITO Taiki; Department of Architecture and Civil Engineering, Toyohashi University of Technology)*

**"The Project for Development of Water-related Disaster Adaptation Measures that Contribute to Sustainable Tourism"**
[Kingdom of Thailand]
*(Professor TEBAKARI Taichi; School of Science and Engineering, Chuo University)*

* The SATREPS Projects Promoting Focused Themes sets out regions and research themes that are important for Japanese diplomacy by further promoting the SDGs through science, technology,

and innovation (STI for SDGs). The target regions and research themes for FY2026 are as follows: In the Africa and Latin America regions, subjects that are expected to contribute to the betterment of climate change and environmental issues.

Appendix 2

**Results of the FY2026 Selection Process**

**Environment and Energy:**

- **3 projects** out of 24 proposals (after screening) for Environment and Energy “Research contributing to the solution to global-scale environmental issues”
- **3 projects** out of 20 proposals (after screening) for Environment and Energy “Research contributing to the sustainable use of resources and energy with a view to achieving carbon neutrality”

**Bioresources:**

- **2 projects** out of 28 proposals for Bioresources “Research contributing to sustainable production and utilization of bioresources”

**Disaster Prevention and Mitigation:**

- **2 projects** out of 18 proposals for Disaster Prevention and Mitigation “Research contributing to disaster prevention and mitigation towards social sustainability”

Annex

## Overview of SATREPS

### 1. Objectives of the program

The Science and Technology Research Partnership for Sustainable Development (SATREPS) program is a collaboration between two Japanese government agencies: the Japan Science and Technology Agency (JST) and the Japan International Cooperation Agency (JICA). Based on the needs of developing countries, JST and JICA cooperate to promote international joint research targeting global issues with an objective of utilization of research outcomes. Implemented through collaboration with Official Development Assistance (ODA), the objectives of the program are to acquire new knowledge and technology that lead to the resolution of global issues and the advancement of science and technology, and through this process, to create innovations. International joint research under this program also aims to enhance the research and development capabilities of developing countries, and helps to create sustainable research systems able to address and resolve issues.

### 2. Outline of the program

(1) Research Areas and Fields

-Environment and Energy
"Research contributing to the solution to global-scale environmental issues"

-Environment and Energy
"Research contributing to the sustainable use of resources and energy with a view to achieving carbon neutrality"

-Bioresources
"Research contributing to sustainable production and utilization of bioresources"

-Disaster Prevention and Mitigation
"Research contributing to disaster prevention and mitigation towards social sustainability"

(2) Research Period

3-5 years

(3) Expenses Covered

-Research expenses (JST budget)
Approximately 35 million yen per year per project (including indirect expenses)
(Total research expenses covered during a five-year project: maximum of 175 million yen)

-ODA (JICA budget)
(Travel expenses between Japan and counterpart countries, travel expenses to invite researchers from counterpart countries, equipment procurement, on-site research activity costs, etc.)
Approximately 60 million yen per year per project
(Total ODA provided during a five-year project: maximum of 300 million yen)

**3. Countries and projects to date**

A total of 203 international joint research projects in 60 countries*1 have been conducted as SATREPS projects in Environment and Energy, Bioresources, Disaster Prevention and Mitigation, and Infectious Disease Control*2 since the project commencement in FY2008.

*1 The numbers of countries and projects do not include research projects in the field of Infectious Disease Control that were selected by the Japan Agency for Medical Research and Development (AMED) for FY2015 and thereafter. Including projects in the field of Infectious Disease Control that were selected by AMED for FY2015 and thereafter, a total of 226 projects have been conducted in 63 countries.

*2 SATREPS projects in the field of Infectious Diseases Control were transferred to AMED when it was established on April 1st, 2015. Projects that had terminated before that date were not transferred.