

Science and Technology Research Partnership for Sustainable Development (SATREPS)

Jointly Creating Scientific Knowledge for International Development

Global-scale problems, including global warming, natural disasters, and infectious diseases, have become increasingly serious. The international community is now required to work together to approach such problems, since it is hard for individual countries or regions to tackle them alone. In addition to traditional cooperation systems, innovation by science and technology is also expected to play an important role in providing solutions for responding to complex and growing issues.

In these circumstances, JICA initiated the Science and Technology Research Partnership for Sustainable Development (SATREPS) in 2008. Utilizing Japan's science and technology, JICA aims to create newer "knowledge" through international joint research between Japan and developing countries, as well as solving global-scale issues by giving research outcomes back to the real world.

Implementation System

This program is designed to promote international joint research in which both Japanese research institutions and those of developing countries collaborate based on the social needs in developing countries. Its aims are to contribute to human resource development to create new knowledge and to utilize research outcomes for the progress of society with a view to addressing global issues in four research fields, or five research areas: environment and energy, bio-resources, disaster prevention and mitigation, and infectious diseases control.

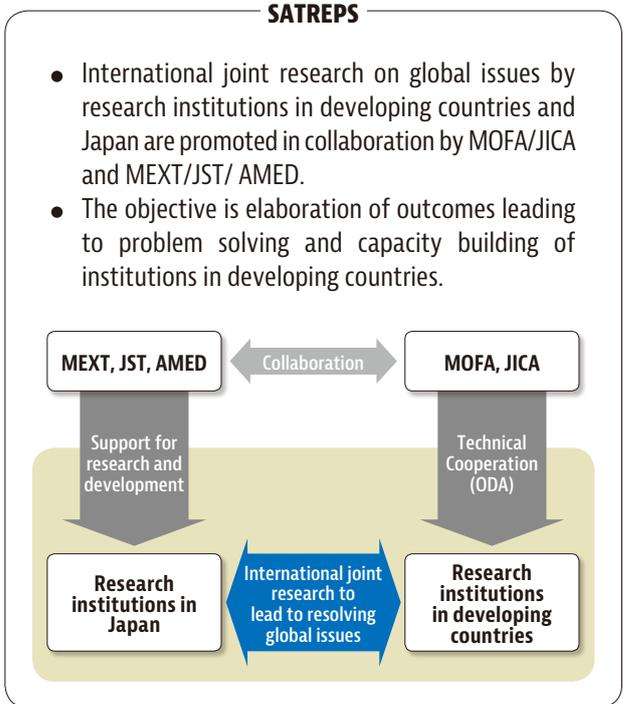
SATREPS is jointly conducted by the Ministry of Foreign Affairs (MOFA); JICA; the Ministry of Education, Culture, Sports, Science and Technology (MEXT); the Japan Science and Technology Agency (JST); and Japan Agency for Medical Research and Development (AMED).

In SATREPS, research proposals that are submitted from



Ghana: A Japanese researcher teaching research techniques to researchers at the Noguchi Memorial Institute for Medical Research, University of Ghana (Project for Surveillance and Laboratory Support for Emerging Pathogens of Public Health Importance)

Implementation System of SATREPS



- International joint research on global issues by research institutions in developing countries and Japan are promoted in collaboration by MOFA/JICA and MEXT/JST/ AMED.
- The objective is elaboration of outcomes leading to problem solving and capacity building of institutions in developing countries.

Japanese research institutions to JST/AMED are examined to see if they are consistent with research requests from developing countries (i.e., a matching system), from the perspective of science and technology and ODA. Then, approved proposals come into practice under the framework of a JICA technical cooperation project.

JICA provides the funding necessary for technical cooperation projects (e.g., dispatch of Japanese researchers, acceptance of partner countries' researchers, provision of equipment, and local activity expenses). On the other hand, JST/AMED supports research activities necessary in Japan or third countries.

Selection of Research Projects and Implementation Status

In fiscal 2018, there were 85 matches—between 133 research requests from developing countries and 117 proposals from research institutions in Japan—that were subject to the selection process. Of these, nine research proposals were finally approved, bringing the accumulated total number of approved proposals to 133 since this program was launched in 2008. The total number of participating countries, including those in the preparation process, amounted to 50 after Tanzania, Djibouti, and the Democratic Republic of the Congo became new partner countries in joint research.