

Science and Technology Research Partnership for Sustainable Development (SATREPS)

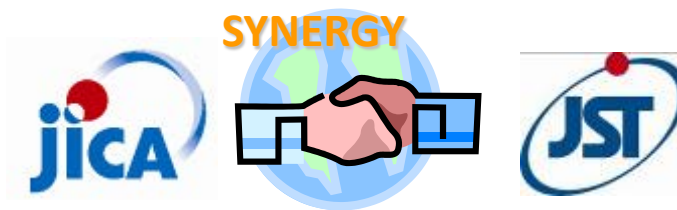
**Japan Science and Technology Agency
(JST)**

03/23/2015

SATREPS

For the Earth, For the Next Generation

= **Science and Technology Research Partnership**
For Sustainable Development



SATREPS is a **JST** and **JICA** program for research projects targeting global issues and involving partnerships between researchers in Japan and developing countries

● About **SATREPS**

SATREPS aims



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📍 About **SATREPS**

Enhancing cooperation in science & technology

~ Building win-win relationships between Japan and developing countries ~

New technology, new knowledge

~ Addressing global issues and advancing science ~

Capacity Development

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

Practical utilization

~ Expecting outcomes to make a real contribution to society ~

Science & Technology × Official Development Assistance

SATREPS joins and coordinates functions, activities, and capabilities that were once separate, using scientific research potential as a mediator for developmental diplomacy

Science and Technology

Promoting science and technology, encouraging innovation

Meeting Global Needs

Resolving global issues and contributing to the science and technology community

Japan's Capabilities

- World-leading technology, proven research capacity
- Soft power



International Cooperation

ODA, development assistance

Meeting Local Needs

Capacity development to address issues emerging as local needs in developing countries

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

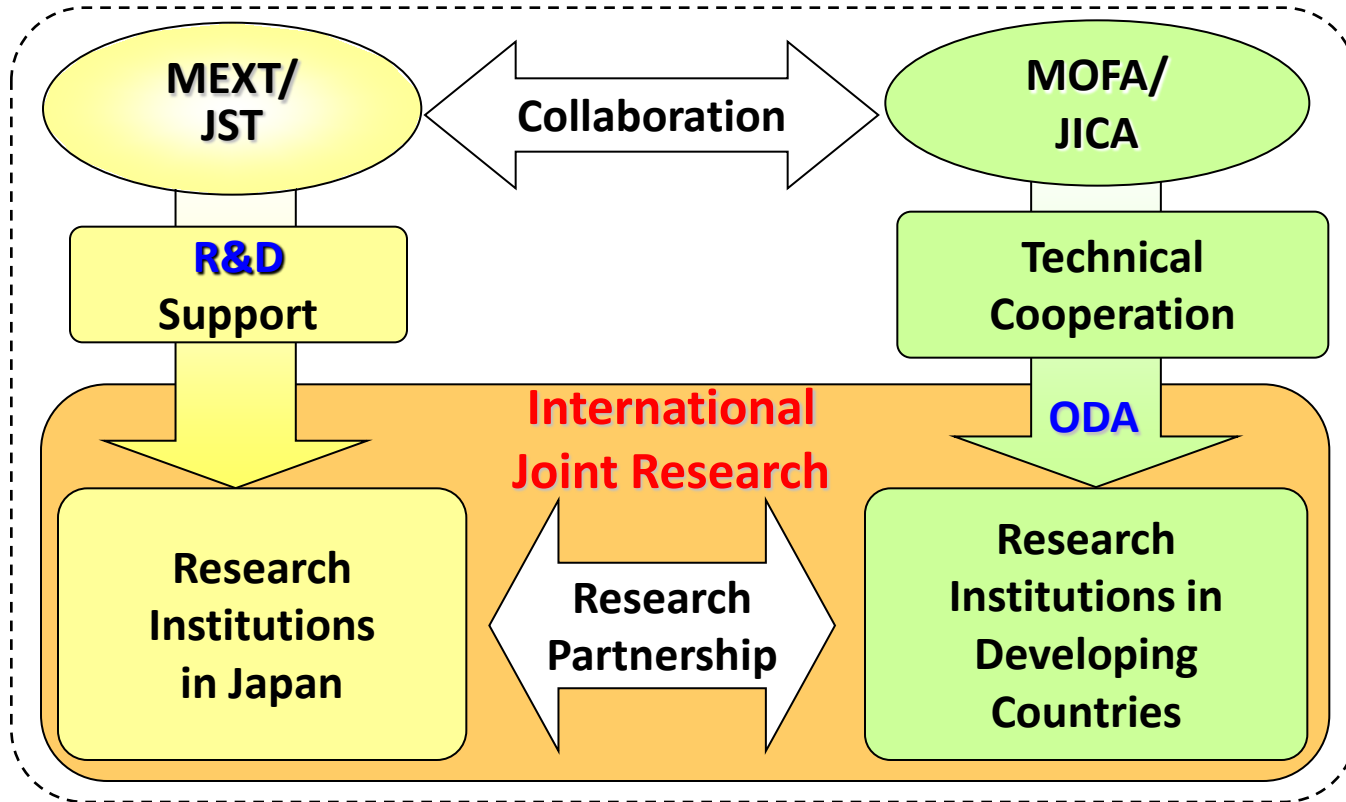


Science and Technology

Official Development Assistance

For the Earth,
for the Next Generation

SATREPS program structure



Research Period

3-5 years

Research Funding

Approx. 100 million JPY / project / year (JST + JICA total)

Research Areas

5 areas

■ Environment and Energy

▪ Global-scale Environmental Issues

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



▪ Low-carbon Society

Biomass energy, Energy efficiency, Renewable energy..



■ Bioresources

Breeding and cultivation technology, Bio resource management..

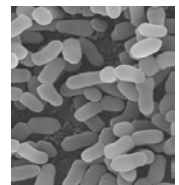


■ Disaster Prevention and Mitigation

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

■ Infectious Diseases Control

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





In total (since 2008) : **87 projects** in **41 countries**:

| Area | Number of eligible countries | Number of projects |
|-------------------------|------------------------------|--------------------|
| Asia | 14 countries | 47 projects |
| Africa | 14 countries | 20 projects |
| Latin America/Caribbean | 8 countries | 15 projects |
| Other regions | 5 countries | 5 projects |

15 SATREPS projects in 8 countries in Latin America & the Caribbean



| Country | Number of Projects |
|--------------|--------------------|
| Argentina | 1 |
| Bolivia | 1 |
| Brazil | 5 |
| Chile | 1 |
| Colombia | 2 |
| Mexico | 3 |
| Panama | 1 |
| Peru | 1 |
| Total | 15 |

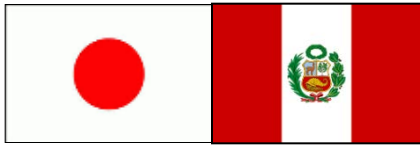
Enhancing the networks between Japan and Latin America & the Caribbean

People coming to Japan during SATREPS Projects:

| | |
|--|---------------|
| Total Days in Japan | 13,800 |
| Number of people | 198 |
| Japanese Government Scholarships Recipients | 7 |



SATREPS Project in Republic of Peru



【Research field: Disaster Prevention and Mitigation】

Title: Project for Enhancement of Earthquake and Tsunami Disaster Mitigation Technology in Peru

Adoption Fiscal Year: 2009

PI (JAPAN) : Prof. YAMAZAKI Fumio
Graduate School of Engineering, Chiba University

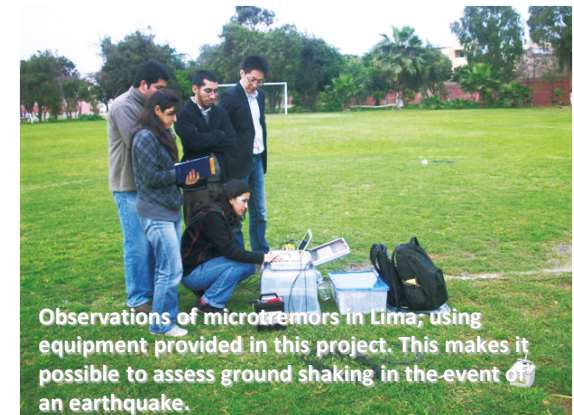


PI (PERU) : Dr. Ing. Carlos Zavala Toledo
Japan-Peru Center for Earthquake Engineering Research and Disaster Mitigation (CISMID) of National University of Engineering (UNI)



Church in the center of Pisco City that collapsed in the 2007 earthquake

- G1: Seismic Motion and Geotechnical Issues
- G2: Tsunami Simulation and Damage Mitigation
- G3: Seismic Resistance of Buildings
- G4: Geo-spatial Database and Damage Assessment
- G5: Development of Disaster Mitigation Plan



Observations of microtremors in Lima, using equipment provided in this project. This makes it possible to assess ground shaking in the event of an earthquake.

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Thank you for your attention !



Japan Science and Technology Agency