

Science, Technology and Innovation as an Enabling Force for the SDGs

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Appointment of the S&T Advisor to the Foreign Minister, 24 September, 2015



Roles of the S&T Advisor to the Foreign Minister

- Support the activities of the Foreign Minister from a S&T perspective
- Provide advice to the Foreign Minister and relevant departments on the utilization of S&T in various foreign policy-makings
- Reinforce networking among S&T advisors, scientists/academics



G7 Ise-Shima Summit

In the discussions in the Study Groups convened under the Science and Technology Advisor, the importance of **“Evidence-based policy-making”** supported by scientific data was emphasized. The outcome documents of the G7 Ise-Shima Summit contained this element in the areas of **“Medical Data”** and **“Marine Observation”**.

TICAD VI

Presented “recommendations” to the Minister for Foreign Affairs.

Enhance S&T standards

From **Brain drain** to
Brain circulation

Int. exchanges of scientists
etc.

Incorporate R&D outcomes
into society

(**social implementation**)

New strategy, production
and industrial means for
human welfare by the power
of S&T



Sustainable Development Goals (SDGs)

Sustainable Development Goals



Japan's SDGs Implementation Guideline



Sustainable Development Goals Promotion Headquarters
headed by Prime Minister Shinzo Abe

【Eight Priority Areas and Policies】

(1) Empowerment of All People

■ Realization of Dynamic Engagement of All Citizens ■ Promotion of Women's Role in Society ■ Measures against Child Poverty ■ Assistance to People with disabilities for Social Participation and Self-reliance ■ Promotion of Quality Education

(3) Creating Growth Market, Revitalization of Rural Areas, and Promoting Technological Innovation

■ Creating Markets with Potentials ■ Revitalizing Villages around Seas, Mountains, and Farmlands ■ Improving Productivity ■ Science and Technology Innovation ■ Sustainable City

(5) Energy Conservation, Renewable Energy, Climate Change Measures, and Sound Material-Cycle Society

■ Introduction and Promotion of Renewable Energy ■ Measures against Climate Change ■ Establishing Recycling-based Society

(7) Achieving Peaceful, Safe and Secure Societies

■ Tackling Organized Crime, Human Trafficking, and Child Abuse ■ Peacebuilding and Assistance for Reconstruction ■ Promotion of the Rule of Law

(2) Achievement of Good Health and Longevity

■ Measures against Antimicrobial Resistance ■ Enhancing Developing Countries' Health Sector and Improving Their Public Health and Measures against Infectious Diseases ■ Tackling the Issues Associated with Aging Populations in Asia

(4) Sustainable and Resilient Land Use, Promoting Quality Infrastructure

■ Creating Resilient Land and Promoting Disaster Risk Reduction ■ Water Resource Development and Measures on Water Circulation ■ Promoting Quality Infrastructure Investment

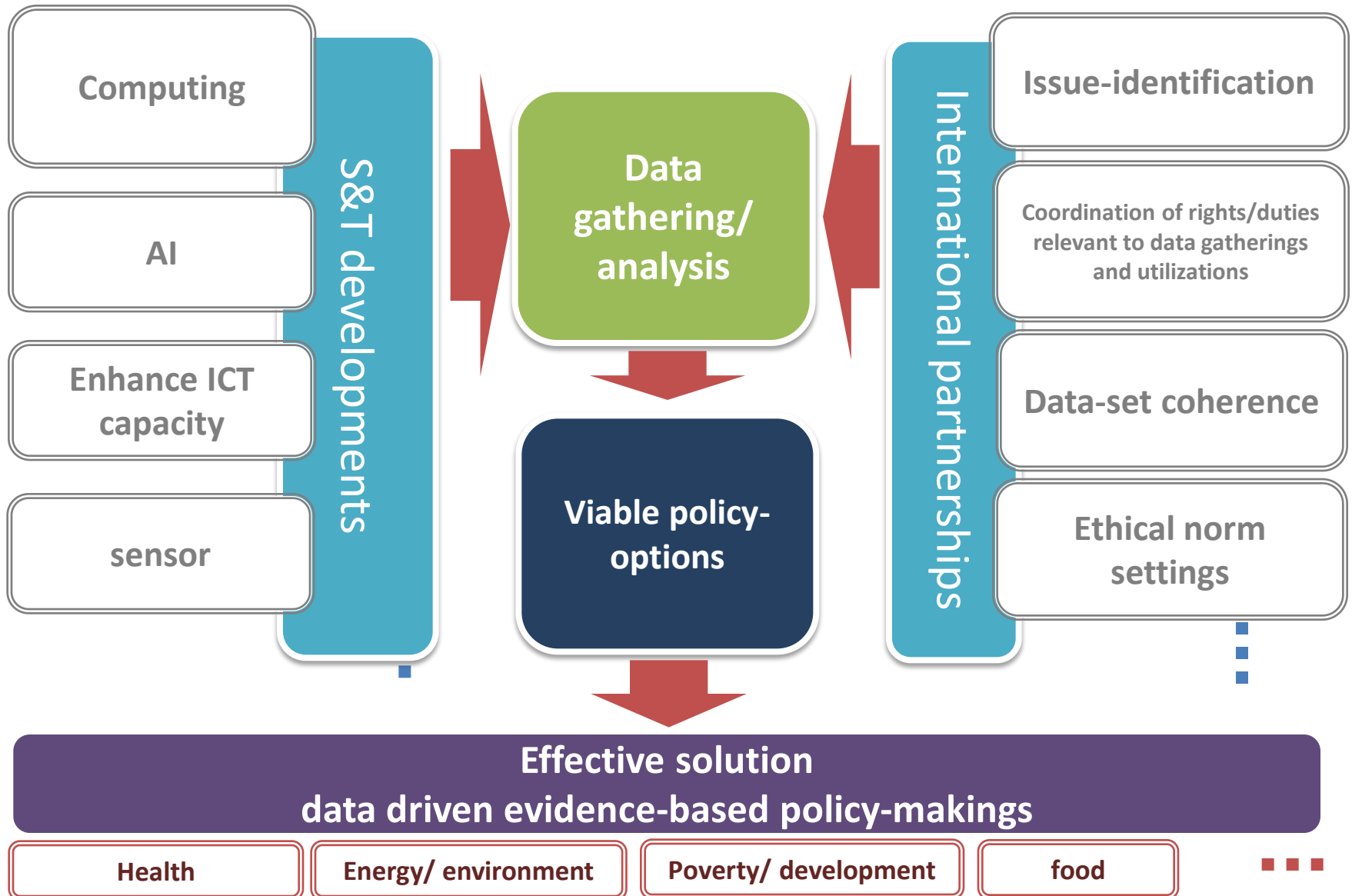
(6) Conservation of Environment, including Biodiversity, Forests and Oceans

■ Measures against Environmental Pollution ■ Biodiversity Conservation ■ Sustainable Use of Forest, the Oceans, and Land Resources

(8) Strengthening the Means and Frameworks of the Implementation of the SDGs

■ Multi-Stakeholder Partnership ■ Mainstreaming SDGs in International Cooperation ■ Assisting Developing Countries to implement SDGs

Evidence-based policy making



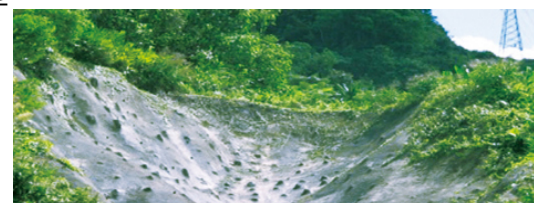
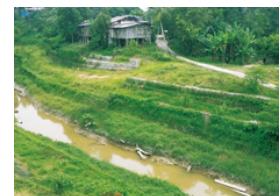
Research Projects

SATREPS For the Earth, For the Next Generation



“Research and Development for Reducing Geo-Hazard Damage in Malaysia Caused by Landslide and Flood” 【Disaster Prevention and Mitigation】

Predict, warn and reduce the risk and damage of floods/ inundations and landslides through recent technologies **including remote sensing (satellite and aircraft) to create an integrated data** base and proposed EWS (Early Warning System) for quick and safe evacuation of local residents.



Satellites and Spacecraft
Greenhouse gases Observing
SATellite "IBUKI" (GOSAT)

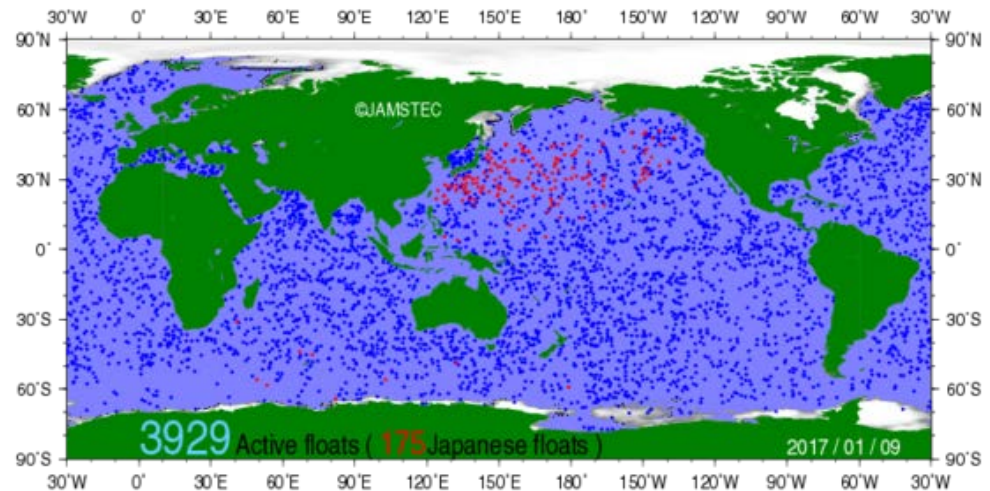
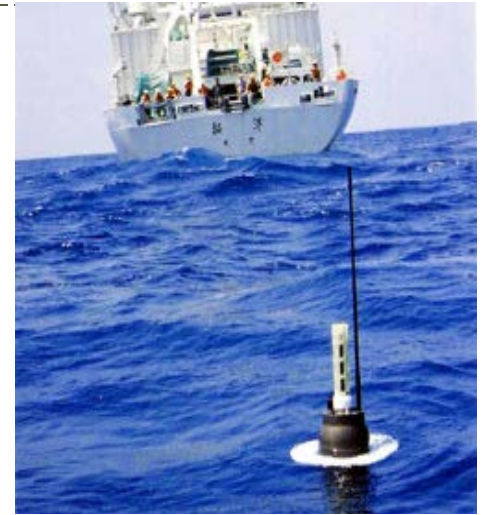


Global Change Observation Mission
- Water "SHIZUKU" (GCOM-W)



Japan Argo

part of the integrated global observation strategy



Number of the active Argo floats (As of 2017-01-09): Total 3929 (JPN175)

STI as an “Enabling Force for the SDGs”

Thank you for your kind attention.

