Case (11): Responding to Climate Change (adaptation support, response to loss and damage)

1. Basic concept

- Climate change is now an opportunity for economic growth beyond a global issue, as well as cross-sectoral diplomatic issues that have significant impacts on countries' security in various forms.
- In the National Security Strategy of Japan revised at the end of last year, climate change is recognized as "security challenges on the existence of human beings." It is also clearly stated that Japan should provide support for the establishment of sustainable and resilient economies and societies in developing countries including the island nations, where climate change poses an imminent threat. Based on these policies, Japan will need to provide assistance to the countries that are vulnerable to the adverse effects of climate change.

2. Items of cooperation

- Adaptation support for the Asia-Pacific region
 - (Examples) Project for Capacity Building on Climate Resilience in the Pacific (Samoa)
 - -Capacity building for the ministries and agencies related to climate change in Oceanian countries
- Promotion of measures to climate change based on the Kumamoto Initiative for Water

(Examples)

- Dam: Improvement of flood control and water utilization functions by improving dam operation, renewing existing dams while operating them, etc.
- Sewerage: Promote Pipe-jacking method and biomass power generation using sewage sludge.
- Assistance for loss and damage
 - (Examples) Early Warning System Initiative in the Asia-Pacific region through Public-Private Partnerships
 - Development of the early warning system by the private sector
 - Providing climate information solutions

 Adaptation support for Pacific Island countries
Project for Capacity Building on Climate Resilience in the Pacific (Samoa) Capacity building of relevant ministries and agencies in the field of climate change in Pacific Ocean countries at the "Pacific Climate Change Center" constructed

through grant aid.

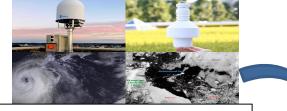


Use of observation/ forecast data	Climate change adaptation measures	River basin sustainabilit
Satellite observation Forecast technology ata integration & analysis	Development of "Quality Infrastructure" by the use of hybrid technology to implement both adaptation and mitigation measure	and resilience against water-related disaster risk
Evaluation of water- related disaster risks Risk map/Flood	Effective use of existing dams	Flooding of river Inland flooding Flooding in rura areas
Support corporate investment and countries investment and countries involvemented	(redevelopment) of dams and the data bages Sewerage systems Reduction of hundation in urban areas Use of sewage slugger for biomass power generation	Creation of clean energy Promoting
Planning and operation of	Irrigation and drainage facilities Reduction of flooding in rural areas by the use of the rainwater storage function of paddy fields Reduction of greenhouse gas emissions through small hydroelectric power generation	energy conservation Reduction of greenhouse gas emissions
facilities	Climate change mitigation measures	
Enhancement of governance and system	country and human resource development	Solution of social issue Sustainable economic growth
2. Promoting measures	to improve people's basic living environment	Î
know-how and technologies	Water Expansion and updating of water supply supply facilities	Ensuring access t safe water Maintenance of
Use of	Sanitation Capacity building for the operation facilities and management of the facilities	sanitary

• Example of assistance for loss and damage

Early Warning System Initiative in the Asia-Pacific region through Public-Private Partnerships

Development of the early warning system by the private sector



[Improvement of resilience] Visualization of climate risk in developing countries

[Business support] Providing information solutions and risk-hedging instruments to developing countries

Weathernews Inc.: Plans to install a small radar in Vietnam. Aiming to set up in 50 sites by 2024 _in Indonesia, Japan, and other Asian countries.

Providing climate information solutions (Climate information service)



Recommendation of the best route for vessels ·Support for procurement of raw materials to deal with yield reduction



