

MOEJ's Loss & Damage Assistance Activities

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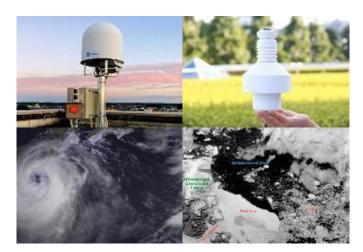
Initiative to Promote the Development of Early Warning Systems through PPP



Background

- The UN announced, "Within the next five years, everyone on Earth should be protected by Early Warning Systems (EWSs)".
- Japan announces the package at COP27 and will provide comprehensive assistance for losses and damages.
- The private sector has been active in providing solutions.

EWS development by private sector

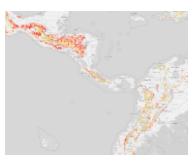


Plans to install small radars in Vietnam. Targets 50 locations by 2024 in Indonesia, Japan, and other Asian countries.

Climate Information Solutions



Recommendation of the best route for vessels



Support for procurement through yield risk assessment

The Consultation Meeting of the Public Private Partnership for the Development of Early Warning Systems in the Asia Pacific Region



Objectives

- Promotes the introduction of early warning systems, such as the development of observation equipment, analysis
 and prediction of observation data, provision of climate information services, for the business sector by the
 Japanese private sector in the Asia-Pacific region, including the ASEAN region.
- Formulate public-private partnership to develop case studies of early warning system for the business sector that will pave the way for its implementation ahead of its Asian counterparts.

the Consultation Meeting

■ Participants:

Agenda:

Organizer	Minister of the Environment, Japan
Relevant Ministries and Organizations	JMA, Cabinet Office, MoFA, METI,JICA, JAXA, UNDRR Office in Japan, ASEAN-Japan Centre etc.
Private sector	Approx. 50 companies, including climate information service providers, manufacturers of weather observation equipment, weather forecast system developers, communication services providers, remote sensing technology provider, general insurance company, and development consultants

■ Details of the Consultation Meeting:

the 1st Consultation Meeting (June 27, 2023)

"Initiative to Promote the Introduction of Early Warning Systems in the Asia-Agenda: Pacific Region through Public-Private Partnerships" and the Public-Private Partnership Consultation

the 2nd Consultation Meeting (Oct. 31, 2023)

• Introduction of the results of the field survey for the promotion of EWS introduction in ASEAN countries

• Explanation of business model proposal strategy



Initiative to Promote the Development of Early Warning Systems through PPP



What is EWSs for extreme weather event?

Preparedness and response capabilities



Preparedness & Response capabilities

Cobservations, Monitoring, Analysis, Forecasting

Warning
Dissemination

Source
: Adapted from WMO (2022a)

Disaster risk knowledge



Detection, observation, monitoring, analysis and forecasting of hazards

Warning dissemination and communication











Four pilers for Early Warning System





Preparedness and response capabilities

Measuring and transporting supplies using drones



Warning dissemination and communication

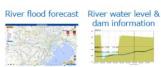
► Early warning with ICT solution



Disaster risk knowledge

Real time water disaster information



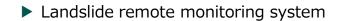












: Adapted from WMO (2022a)

Disaster Risk Knowledge





Observations Monitorina.

Analysis,

Four pilers for Early Warning System

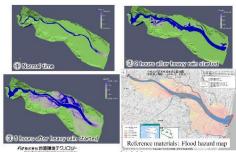




Detection, observation, monitoring, analysis and forecasting of hazards

Real-time flood prediction system with GETFLOWS

● 株式会社 地圏環境 テクノロジー Geosphere Environmental Technology Corp.



► Flow measurement using video

Hydro Technology Institute

image

Preparedness & Response capabilities

People-Centred

Observations, Monitoring, Analysis, Forecasting

Dissemination

Real-time flood prediction solutions





Sensory Data Transmission Service

類みどり工学研究所

► Water level monitoring with radar and water pressure

: Adapted from WMO (2022a)









Japan's Assistance Package to Promote Investments for Global Actions **Toward the Achievement of the Paris Agreement Goals**



Ambition gap

Added emissions reduction targets don't reach 1.5°C

Support for raising countries' ambitions and to identify pathways toward net zero

Adaptation gap

Adaptation measures are not keeping pace with increasing climate risks

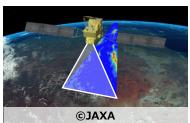
Accelerating sustainable adaptation through public-private partnerships





Increase the predictability of decarbonization for business





Implementation gap

Not enough investments for implementation

Explore new areas and promote the use of private capital, aligning all financial flows with the **Paris Agreement goals**

Mitigating economic damage caused by climate change





G7 Inventory on Climate Disaster Risk Reduction, Response and Recovery



Background

- The COP27 decisions on establishing new fund ad funding arrangements for responding to loss and damage as well as on the institutional arrangements for the full operationalization of the Santiago network (SN)
- Nonetheless, in order to further support vulnerable developing countries, it is important to <u>enhance visibility of and access to</u> <u>available technical and financial solutions and support for</u> climate disasters.
- For this purpose, G7 Climate, Energy and Environment
 Ministers released "G7 Inventory on Climate Disaster Risk
 Reduction, Response and Recovery" in Sapporo on 16th April
 2023.



G7 Ministers' Meeting on Climate, Energy and Environment

Contents

- By mapping the support provided by G7 members, the Inventory describes the overall picture of existing committed G7 support.
- The Inventory serves as useful reference material to look for support options already in operation, for the countries that are considering applying for support.
- Specifically, each Country Sheet provided by G7 members explains various support activities.

Including...

120 Capacity Building Support,
13 Insurance-based
Mechanisms,
27 Post-Disaster Financial
Schemes, and
40 Activities on Early Warning
System





References



Assistance Package by the Government of Japan for Averting, Minimizing and Addressing Loss and Damage" (APLD)

Structure



Assistance Package by the Government of Japan for Averting, Minimizing and Addressing Loss and Damage" (APLD)



MOEJ's Initiative to Promote the Development of Early Warning Systems through Public-Private Partnerships in the Asia-Pacific Region



The Consultation Meeting of the Public Private Partnership for the Development of Early Warning Systems in the Asia Pacific Region

Purpose

Work with the international community to provide comprehensive support such as human resource development, early warning system development against loss & damage

Promote business development related to early warning systems by the Japanese private sector in the Asia-Pacific region

Develop EWS prototypes by private sector

Discussion in the International Community

- "Loss and Damage" COP2
- Importance of the International community to work together to avert Loss and Damage
- Requirement of efforts to achieve Paris Agreement, Sendai Framework for Disaster Reduction, and SDGs



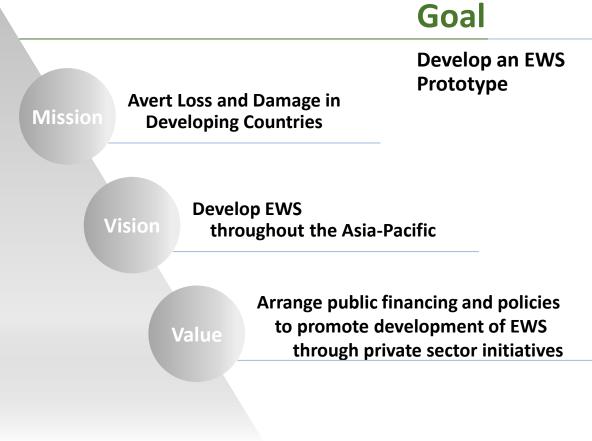


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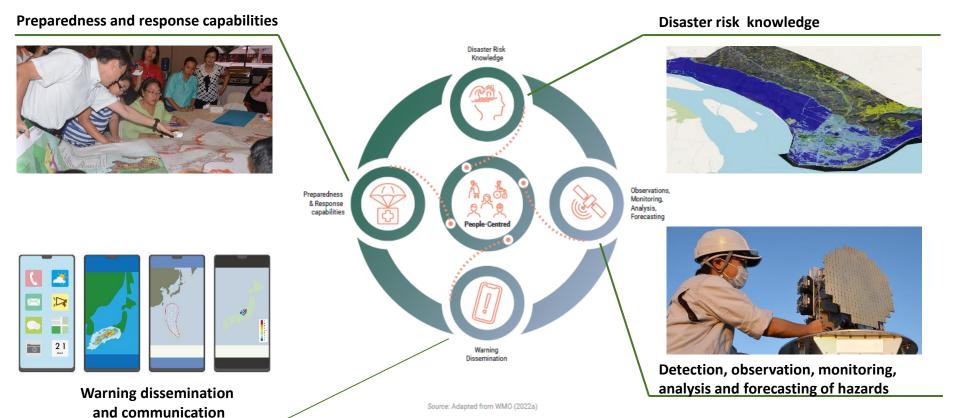
Issue

Increase of mortality and economic loss





Four pilers for Early Warning System





Road map

