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# Action plan for FY2023

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

27<sup>th</sup>.Jun.2023

Climate Change Adaptation Office, Global Environment Bureau,  
Ministry of the Environment, Japan



## Purpose

- To share and exchange opinions on EWS-related regulations, market needs, survey on funding, etc. in developing countries.
- To exchange opinions on business models utilizing EWS-related technologies and services of Japanese companies

## Meeting schedule

- 3 meetings in FY 2023 (June 2023, (tentative) October 2023 and January 2024)

## Requests to Participating Companies

- To participate in the consultation meeting
- Cooperation to surveys by MoE (Hearings from Secretariat of the Consultation Meeting of the PPP for the Development of EWS in the Asia Pacific Region)
- Provide comments and requests to the Japanese government, MoE, etc. to expand EWS-related technologies and services overseas



## Issue

**Barriers to Overseas Expansion of EWS businesses**

## Goal

**EWS businesses promotion through private funding**

### Mission

**Market creation through business model development**

### Vision

**Supporting private-sector-led EWS development with public funds and policies**

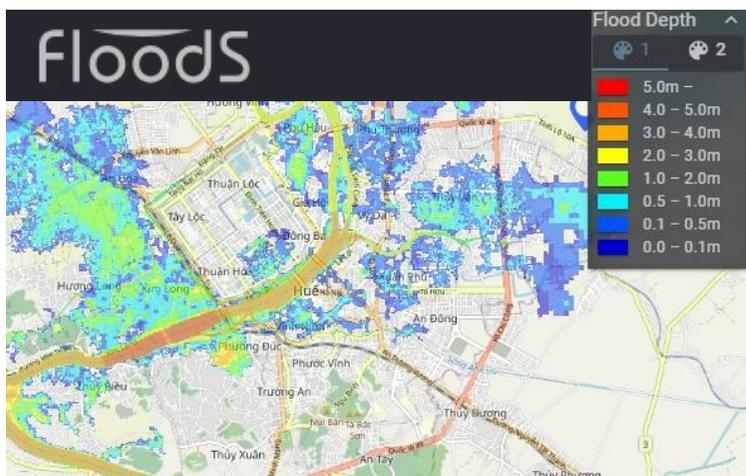
### Value

**Knowledge Sharing  
Business Enhancement  
Overseas Expansion Support**

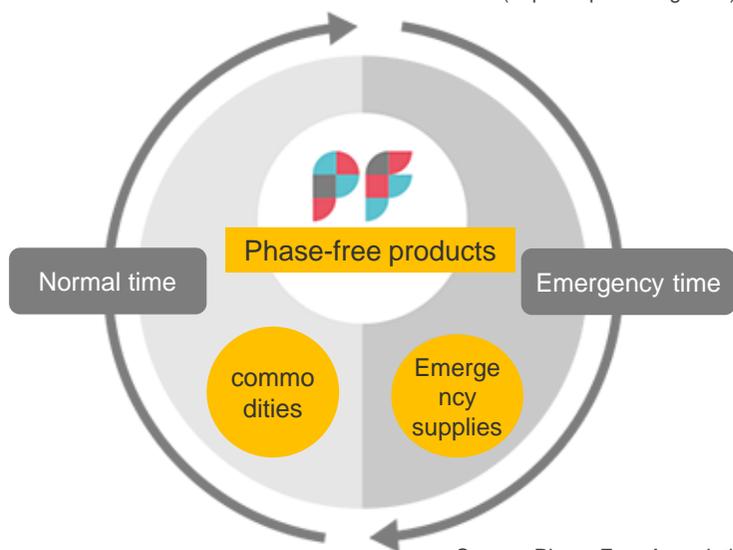
# EWS related businesses options

EWS elements	EWS products and services	Business style			
		B to B	B to C	B to G	ODA, climate finance etc.
 <b>Disaster risk knowledge</b>	Disaster History Database			○	○
	Geographic Information System			◎	○
	Hazard Maps	△		◎	○
	Disaster risk assessment services	◎		△	
 <b>Detection, observation, monitoring, analysis and forecasting of hazards</b>	Observation Monitoring Equipment	△		◎	○
	Weather Information Systems	△		○	○
	Weather Forecasting and Prediction Services			○	○
	Disaster Prevention and Risk Management Information Analysis Services	○	△	◎	
 <b>Warning dissemination and communication</b>	Disaster Prevention Information Communication Systems			◎	○
	Information and Communication Systems			○	○
	Weather Information Distribution Service	○	◎		
	Disaster and Evacuation Information Services	○	◎		
 <b>Preparedness and response capabilities</b>	Disaster Prevention Signs (Evacuation Guidance Signs by Disaster Type)			○	○
	Support Systems for Disaster Affected people			◎	○
	Disaster prevention education materials, and evacuation drill seminars	△		◎	○
	Risk Insurance	◎	○		

# Values provided by the Consultation Meeting of the Public Private Partnership for the Development of Early Warning Systems in the Asia Pacific Region



Source: FloodS Web site (<https://top.floods.green/>)



Source: Phase Free Association

## Knowledge sharing

- Free use of tools developed by the Ministry of the Environment
- Free provision of the deliverables
- Provision of information on regulations, market needs, and etc.

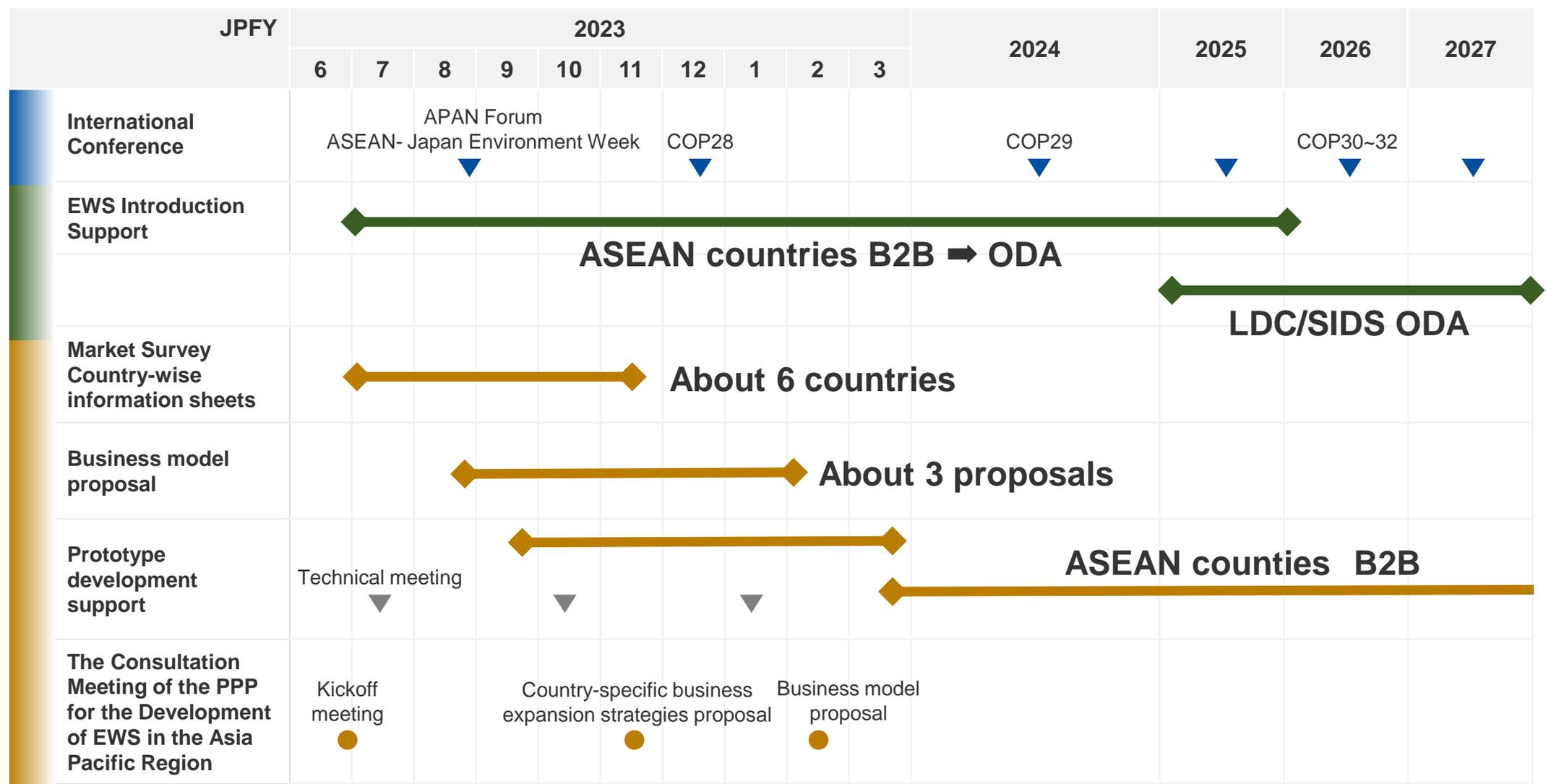
## Business strengthening

- Support for co-Development of business models
- Support to phase-free business
- Creation of collaboration opportunities with development consultants, etc.
- partnerships for CSR projects of participating companies
- Provision of PoC opportunities through Ministry of the Environment funds

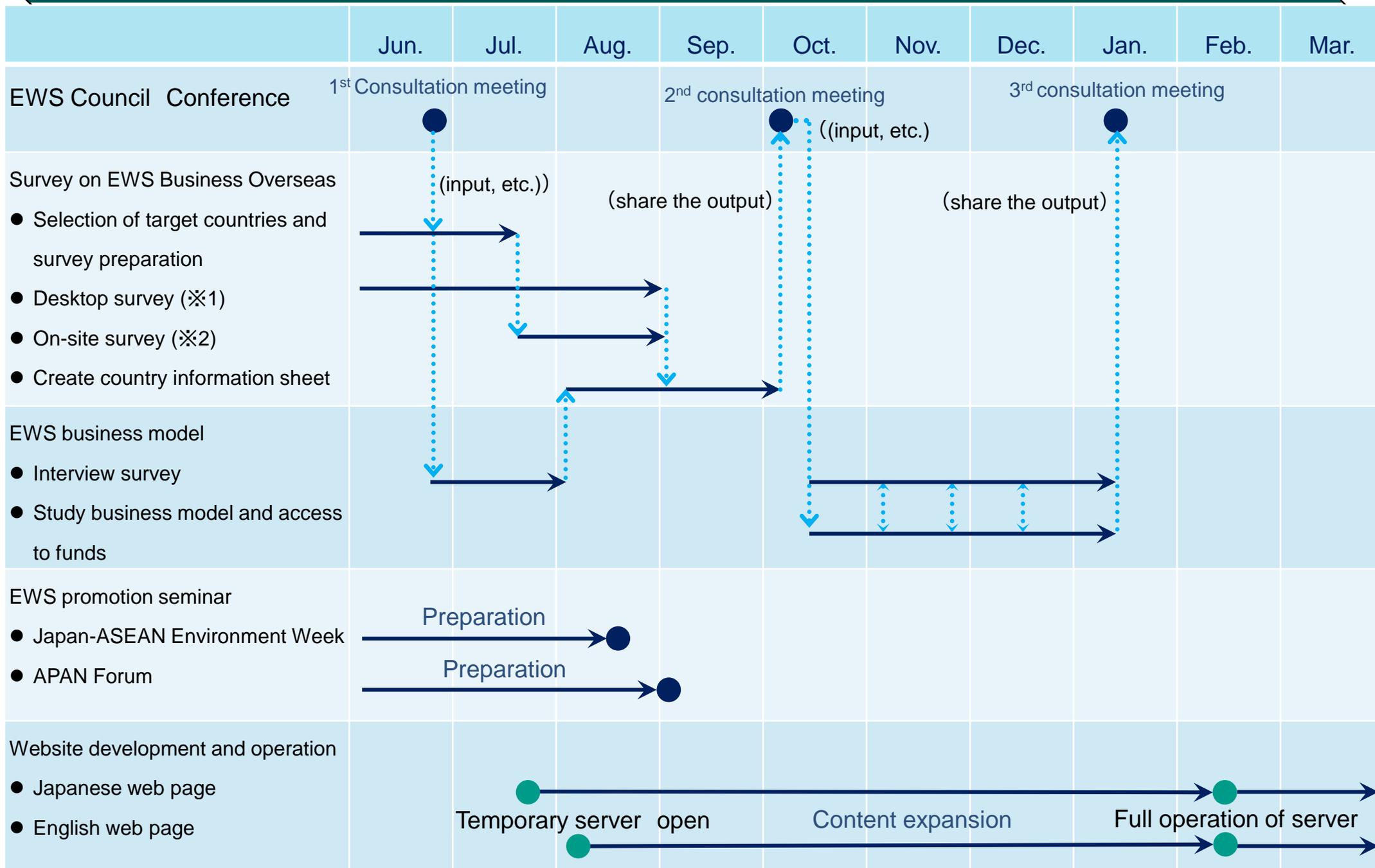
## Promotion of overseas expansion

- Support for discussions and procedures with local governments
- Support for collaboration with NPOs for international cooperation in disaster prevention
- Publicity at international meetings, etc.
- Secure funding by leveraging the name value of the Ministry of the Environment
- Support for accessing climate and ODA funds

# Road map



# Activities Schedule for 2023



※1: Survey in Indonesia, Thailand, Vietnam, Philippines, Laos, and Malaysia ※2: Travel to Indonesia, Thailand, Vietnam

## Interview survey

- Technologies, products, and services owned by member companies, current business development status, and facing issues
- Classify products, services, etc. by EWS elements, select several companies from each element, and conduct interviews

## Overseas Needs Survey

- Target: to be selected from ASEAN member countries
- Interview survey to local businesses and government scheduled for Indonesia, Thailand and Vietnam
- Interview contents to be prepared based on survey to member companies of the Consultation Meeting of the Public Private Partnership for the Development of Early Warning Systems in the Asia Pacific Region
- Survey results scheduled to be shared as country reports at 2<sup>nd</sup> meeting

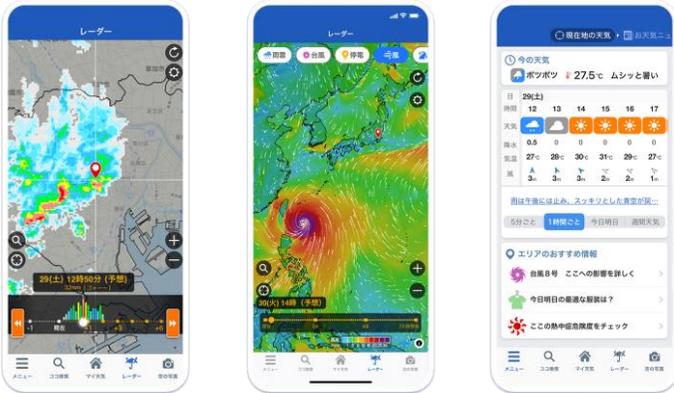
# Proposing business models of EWS

## Study on business models

- Study EWS business models that may be applicable in the markets in ASEAN countries
- Develop several EWS business models by the end of January 2024

## Solutions to ASEAN member countries

Provision of highly accurate weather information



Source: Weathernews

Development of small weather radars



Source: FURUNO ELECTRIC CO.,LTD.



Source: Weathernews

Weather Derivative Insurance



## Publicity at international meetings, etc.

- ASEAN- Japan Environment Week (Vientiane, Laos 21-25 Aug)
- 8th APAN Forum (Incheon, Korea 30 Aug-1 Sep)
- COP28 (Dubai, UAE 30 Nov-12 Dec)

## Develop a Website

Disseminate EWS cases, funding sources, and activities of the Consultation Meeting of the Public Private Partnership for the Development of Early Warning Systems in the Asia Pacific Region in Japan and abroad

### Top Page

#### Country Report

: Purpose, strategies, advantages of the consultation meeting of the PPP for the Development of EWS in the Asia Pacific Region

#### Case Studies

: Weather disaster profiles of target countries and needs of EWS

#### Members

: Case studies of EWS development overseas

#### Seminars

: List and information of member countries

: Notice of seminars and documents

Tentative contents of the website



Sample image of website