



Initiative to Promote the Development of Early Warning Systems through Public Private Partnership

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50th Year of ASEAN-Japan Friendship & Cooperation Initiative to Promote the Development of Early Warning Systems through PPP

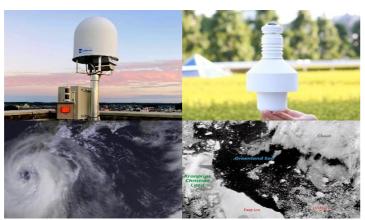




Background

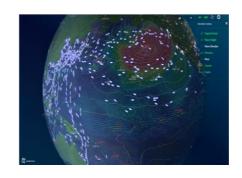
- The UN announced, "Within the next five years, everyone on Earth should be protected by Early Warning Systems (EWSs)".
- <u>Japan announces the package at COP27</u> and will provide comprehensive assistance for losses and damages.
- The <u>private sector</u> has been active in providing solutions.

■ EWS development by private sector

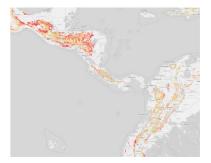


Plans to install small radars in Vietnam. Targets 50 locations by 2024 in Indonesia, Japan, and other Asian countries.

■ Climate Information Solutions



Recommendation of the best route for vessels



Support for procurement through yield risk assessment



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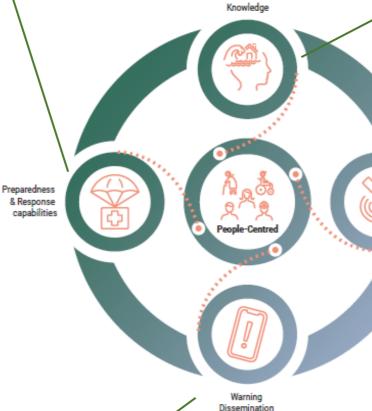
■What is EWSs for extreme weather event?

Preparedness and response capabilities



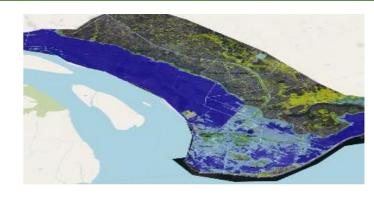






Source: Adapted from WMO (2022a)

Disaster risk knowledge



Observations, Monitoring, Analysis,



Detection, observation, monitoring, analysis and forecasting of hazards

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■What is EWSs for extreme weather event?

Preparedness and response capabilities

Swiss Re

Parametric Insurance

Cover for uninsurable perils or asset classes

Cover for pure economic losses not caused by damage to physical assets Events where quick access to cash is critical to recovery

Preparedness & Response

Dissemination

Source: Adapted from WMO (2022a)

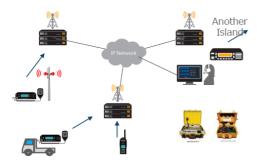
Disaster risk knowledge



Observations. Monitoring, Analysis,

JVCKENWOOD

ICT Solution for Disaster Prevention VHF/UHF Digital Radio System



Warning dissemination and communication



Hybrid measurement for water disasters

Detection, observation, monitoring, analysis and forecasting of hazards

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■EWSs business model

EWS elements		EWS products and services	Business style			
			B to B	B to C	B to G	ODA, climate finance etc.
	Disaster risk knowledge	Disaster History Database			0	0
		Geographic Information System			0	0
		Hazard Maps	Δ		0	0
		Disaster risk assessment services	0		Δ	
	Detection, observation, monitoring, analysis and forecasting of hazards	Observation Monitoring Equipment	Δ		0	0
		Weather Information Systems	Δ		0	0
		Weather Forecasting and Prediction Services			0	0
		Disaster Prevention and Risk Management Information Analysis Services	Ο	Δ	0	
	Warning dissemination and communication	Disaster Prevention Information Communication Systems			0	0
		Information and Communication Systems			0	0
		Weather Information Distribution Service	0	0		
		Disaster and Evacuation Information Services	0	0		
	Preparedness and response capabilities	Disaster Prevention Signs (Evacuation Guidance Signs by Disaster Type)			0	0
		Support Systems for Disaster Affected people			0	0
		Disaster prevention education materials, and evacuation drill seminars	Δ		0	0
		Risk Insurance	0	0		i e

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- Expected activities
- 1) Introduction of EWS in a majority of ASEAN member states by 2025.
- Development of business models in line with local needs.
- 3) Development of observation equipment, analysis and prediction of observation data, provision of climate information services and insurance, through public-private partnership





https://www.ewsi.green/en/