

Preliminary Questionnaire to prepare for Survey of Indian Ocean Meteorological and Hydrological Services requirements for disaster reduction, including Tsunamis

The purpose of this questionnaire is to obtain preliminary information to help determine the scope and nature of the requirements of National Meteorological and Hydrological Services (NMHSs) within the Indian Ocean region to improve their response to natural disasters including tsunamis. Subject to the availability of funds, it is proposed to create small multidisciplinary teams of experts to help NMHSs further refine these requirements as part of the ongoing effort of the international community to create an all hazard warning system for the Indian Ocean region.

1. Natural disaster management in your country

- a. Who is responsible for disaster management in your country and what are their responsibilities at the following levels of government?

	Who is responsible?	What is the responsibility?
National Level		
Regional Level		
Community Level		

2. The role of your service

a. What are the major hazards in your country?

Type of Warning	Yes	No
Severe Weather e.g., Cyclones, tropical storms		
Flooding		
Tsunamis		
Storm surges		
Volcanic eruptions		
Earthquakes		
Others (please list)		

b. Which of the following are you responsible for, and to whom do you provide the warnings?

Type of Warning	Yes	No	To whom is the warning provided?
Severe Weather e.g., Cyclones, tropical storms			
Flooding			
Tsunamis			
Storm surges			
Volcanic eruptions			
Earthquakes			
Others (please list)			

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c. Do you cooperate with other national and /or international organisations to provide warnings?

Type of Warning	Do you cooperate with other organisations to provide warnings?		With whom do you cooperate? (e.g., Oceanographic institutions, geophysical institutes, Disaster management organisations)	What is the nature of this cooperation? (e.g., Data provision, data analysis, post-disaster assessment)
	Yes	No		
Severe Weather e.g., Cyclones, tropical storms				
Flooding				
Tsunamis				
Storm surges				
Volcanic eruptions				
Earthquakes				
Others (please list)				

d. Do other government organisations in your country have responsibilities for creating and issuing warnings?

Which agency?	What Warnings?	Are you involved in their warning process?	
		Yes	No

e. To which government organisation do you report?

Answer:

3. Awareness of potential disasters in your country

In your opinion, what is the level of **understanding** of the public of the risks of natural hazards in your country?

(Select one)

	All Hazards	Tsunami
Very High		
High		
Medium		
Low		
Very Low		

In your opinion, what is the level of **preparedness** of local communities to mitigate natural disasters in your country?

(Select one)

	All Hazards	Tsunami
Very High		
High		
Medium		
Low		
Very Low		

In your opinion, what is the level of **preparedness** of the national government to mitigate natural disasters in your country?

(Select one)

	All Hazards	Tsunami
Very High		
High		
Medium		
Low		
Very Low		

4. Communicating hazard information

What are the principal means that you use to communicate with the public in your country?		
(Select all that are relevant)		
	All Hazards	Tsunami
TV		
Radio		
Mobile Telecommunication		
Internet		
Fax		
Volunteer messengers		
Community meetings or other public briefings		
Others (please specify)		

How do you communication warnings to the public?		
	All Hazards	Tsunami
Direct to the public via media		
Via disaster management system		
Via other government officials		
Others (please specify)		

5. Education and Training

	All Hazards		Tsunami	
	Yes	No	Yes	No
Do your country's education programmes in schools include information about natural disasters, including how to respond to them?				
Do you: (a) have your own public education programmes as regards natural disasters at the NMHS? (b) do you participate in such programmes run by other government organizations in your country?				
Does your country have a public awareness campaign to increase the general populations understanding of natural hazards?				
Does your country exercise disaster preparedness practise drills which include the public?				

6. Requirements

In your opinion, what do you need to improve warnings services and public response?		
(Select all that are relevant)		
	All Hazards	Tsunami
National Coordination Committee		
Greater availability of data		
Better telecommunication		
More accurate warnings (less false alarms)		
Better dissemination		
Enhanced public awareness of risks		
Enhanced public education to understand and respond to warnings		
Public education conducted by the NMHS to understand and respond to warnings specifically targeted at schools,		

government departments, other organizations (please specify)		
More effective decision-making processes within government		
Improved trans-boundary cooperation		
Assistance from WMO to refine needs and raise awareness within international community		
Others (please specify)		