











Training/Workshop on

Tsunami Evacuation Maps, Plans, and Procedures and the UNESCO-IOC Tsunami Ready Recognition Programme for the Indian Ocean Member States

Hyderabad - India, 15-23 April 2025

UNESCO-IOC Tsunami Ready Indicators **TRRP 08: Preparedness Indicators 3**

TEMPP 2025

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PREP-3: Outreach and public awareness and education resources are available and distributed



https://youtu.be/GKid6-RHmSsVideo

+ 5:07 minutes













PREP-3: Outreach and public awareness and education resources are available and distributed



The community should have **Public Awareness** and Education Resources:

- That include tsunami evacuation maps, evacuation routes, safety tips, and information about when and how to respond to warnings (including natural warnings for regions with a local tsunami threat)
- Tailored to meet local information needs and be based on location-specific tsunami threats
- Distributed in <u>three or more</u> wide-reaching diverse methods physically or electronically.
- Distributed to community residents, businesses, and visitors.















Why is it important

- Education has been shown to be very important for raising community awareness. There are many ways in which this can be achieved, and the most effective ways are those that are tailored to the local circumstances, such as culture, lifestyle, communications infrastructure etc. and the locationspecific tsunami threat.
- This section describes the development of and different methods for distributing tsunami awareness material based on experience gained in many regions and countries around the world.
- To achieve the indicator, distribution of outreach and public education material should use three or more diverse methods.















Important contents of Tsunami Education and Outreach Material

Tsunami evacuation maps

 Hazard zones, evacuation routes, safe areas, assembly points

When and how to respond to warnings

 Including natural warning signs for communities with local tsunami threat

Safety tips

What to do before, during and after a tsunami





All tailored to local information needs and based on location specific tsunami threats













Outreach methods

A wide range of outreach methods can be employed and new methods can be devised. Outreach material should always be tailored to meet local information needs and should be based on location-specific tsunami threats. Three or more methods should be used, including:

- Brochures and flyers distributed at public venues and/or bulk mailed to local residents and businesses.
- Comics and boardgames
- Newspaper articles and inserts.
- Public utility/service industry bill safety notices
- Local faith-based and civic organization bulletins/mailings.
- Local radio and television.
- Billboard, roadside, highway or educational signs.
- Historical markers and interpretative signs.
- Websites/Social media.
- Bulk email.















Most effective outreach methods

Will depend on culture and communications infrastructure at specific communities. For example, the following have been found to be most effective in Pakistan

 Booklets and flyers distributed to students and information Boards installed near schools. This has been found to be the most sustainable in rural areas.

 Electronic media including FM radio, TV and cable networks. This is the quickest method for widely disseminating information to a mass audience









Possible physical locations for distribution of material

Locations for the distribution of outreach material will depend on the nature of the material, for example if it is in brochure, leaflet or poster format or in electronic media format. Schools are good locations to distribute educational material and every school requesting recognition should receive copies of all material. Some other examples include:

- Schools
- Visitor centres and local tourist businesses (e.g. restaurants, bars etc)
- Hotels, motels and campgrounds
- Public libraries
- Community centres
- Kiosks or information centres (e.g. malls, stores etc)
- Childcare centres
- Banks
- Utility companies
- Health centres
- Ports of entry















Comments on locations for distributing material

- Locations for distributing tsunami material will be highly dependent on the circumstances at individual communities and the most effective locations should be assessed by the TRLC in consultation with outreach experts.
- In general, schools have been found to be the most receptive to receiving tsunami information and training. This is useful for sustainability as children learn about tsunamis at school and can pass this knowledge on to their families at home.
- There may be resistance to receiving and displaying tsunami information at some locations. For example, some facilities in tourist locations may not want to display information because they believe it may deter tourists. Again, the TRLC will need to exercise judgement when disseminating public information.







Tsunamis



Antes

Esté siempre preparado(a), un tsunami puede ocurrir en cualquier momento

- a) Prepare un plan familiar de emergencia
- b) Tenga a mano un maletín de seguridad
- c) Conozca las zonas de evacuación y los lugares de Asamblea
- d) Identifique las rutas de evacuación





Señales

Esté atento(a) a cualquiera de estas señales

- a) Terremoto muy fuerte (se hace difícil caminar, se caen objetos)
- b) Terremoto de larga duración
- c) Mensaje oficial de la CNE
- d) Cambio repentino en el nivel del mar
- e) Ruido fuerte del mar



Terremoto

Protéjase en caso de terremoto

- a) Agáchese
- b) Cúbrase
- c) Agárrese

Evacuación

Salga de la zona de evacuación (En orden de preferencia:)



- a) Vaya a un lugar alto y alejado de la costa
- b) Súbase a un segundo piso o más alto
- c) Súbase a un árbol
- d) Vaya a un lugar de reunión (refugio)
- e) Si hay tiempo, lleve las embarcaciones costa afuera
- a 100m de profundidad



Regreso

Quédese fuera de la zona de evacuación hasta que las autoridades le indiquen que ha pasado el peligro. Esto puede llevar varias horas





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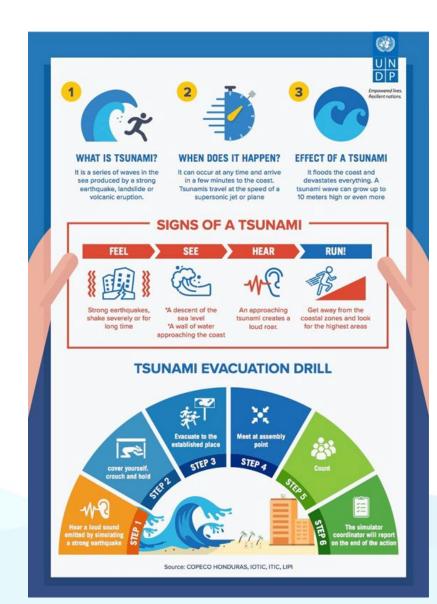


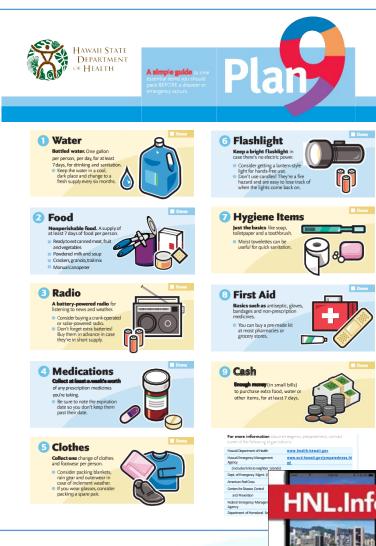






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Urgent Traffic Bulletins, Emergency Information,

Severe Weather Alerts, City Information

and much more.





Mensajes Oficiales de Tsunami para Honduras



- Mantenerse en los puntos de



Alerta Amarilla

- ¡Peligro de Inundación!
- Si está en la zona de evacuación, salga, Diríjase hacia los puntos de reunión
- Siga las instrucciones de los encargados de emergencias



- Posibles corrientes peligrosas
- Salir del agua, playa, puertos marinos
- Estar en Observancia
- Alerta Verde
 - · Siga las instrucciones de los encargados de emergencia



- No hay peligro
- Estar atento a información oficial

Boletín Informativo

Para Más Información Comisión Permanente de Contingencias (COPECO) http://copeco.gob.hn/ v CODEL Cedeño En caso de Emergencia llamar 911







En Honduras Sí Ocurren Tsunamis

Los Tsunamis en Honduras no son tan frecuentes pero sí han ocurrido y pueden volver a ocurrir en cualquier momento. Las costas Sur y Norte son vulnerables.

En Centro América han ocurrido unos 49 tsunamis desde los tiempos coloniales. Se generaron a consecuencia de terremotos en fallas cerca a las costas del Pacifico, como del Caribe y también distantes.

Uno de los tsunamis que afectó las costas hondureñas ocurrió el 4 de agosto de 1856. El mismo se generó en el Golfo de Honduras cerca de Belice y bañó toda la costa norte: Tela, La Ceiba, Trujillo y llegó hasta Gracias a Dios.

También se han registrado tsunamis en la parte sur, en el Golfo de Fonseca.

¿Qué es un Tsunami?

- Un tsunami es una serie de olas causada por una fuerte perturbación de un cuerpo de agua.
- Estas olas pueden llegar en unos minutos, pero continuar por horas. Las olas arrasan con todo lo que encuentran a su paso ya sea cuando inundan la costa o cuando retroceden.
- Los tsunamis pueden ser producidos por grandes terremotos localizados en la costa o en el fondo marino, un deslizamiento o una erupción volcánica.
- En Honduras se encuentran fuentes potenciales de tsunamis que se pueden generar localmente y también existen fuentes regionales y distantes, al otro lado del océano.

Alarma Personal Para Terremotos v **Tsunamis LOCALES**

Los Terremotos ocurren de forma súbita, y en el caso que sean cercanos y generen tsunamis, las olas pueden llegar antes que le llegue una alerta oficial. Siga estas recomendaciones:

Protéjase durante el terremoto: Agáchese, Cúbrase y Sujétese

Salga rápidamente de la zona de evacuación por tsunami en cualquiera de las siguientes situaciones:

- Después de SENTIR un terremoto fuerte que te tumbe o dure más de veinte segundos
- Si VE un repentino aumento o disminución del nivel del mar
- Si OYE un ruido extraño o fuerte que viene del mar

¡¡PROTÉJASE, VIVA PARA CONTARLO!!!



















FOR YOUR SAFETY!



EARTHQUAKE READY

- Be alert, a strong or long earthquake may trigger a tsunami in short time.
- Move away from beaches and river banks, and seek information on what has happened.



TSUNAMI WARNING READY

- Seek warning information from BMKG on national TV, local radio, or public announcement in your area.
- If there is a sound of siren or other warning dissemination devices, evacuate immediately.

BMKG Warning information provides tsunami THREAT LEVEL for each region

MAJOR WARNING

WARNING

ADVISORY

Highest threat level, The communities must evacuate!

Medium threat level, but still dangerous,

The communities must evacuate!

Low threat level, The communities must move away

from beaches and riverbanks!

EVACUATION READY



- Upon feeling the earthquake or receiving tsunami warning, evacuate immediately to designated safe locations.
- Follow the evacuation route and signage, if available.
- If you don't know the location of the safe zone, run as far as possible from the coast

WARNING INFORMATION DISPLAY ON NATIONAL TV Information on the time of origin of the earthquake MAGNITUDO Information on INFO GEMPABUMI the magnitude of the Tanggal: 11-Apr-12 15:38:29 WIB earthquake 2.31 LU - 92.67 BT (382 km BaratDava KAB-SIMEULUE-Information on Kedalaman: the epicenter of the earthquake BERPOTENSI TSUNAMI Information on the regions with Information on regions with tsunami warning: tsunami warning Red colour = MAJOR WARNING level • Orange colour = WARNING level

Prepare yourself from now!

Yellow colour = ADVISORY level

- · Learn about tsunami and its signs!
- Find information from your local government about tsunami evacuation procedures in your area!
- Plan with your family on how to respond to a tsunami!















Useful sources of information

- ITIC International Tsunami Information Center
 - http://itic.ioc-unesco.org
- IOTIC Indian Ocean Tsunami Information Centre
 - http://iotic.ioc-unesco.org
- CTIC Caribbean Tsunami Information Centre
 - http://ctic.ioc-unesco.org
- NEAMTIC North East Atlantic and Mediterranean Tsunami Information Centre
 - http://neamtic.ioc-unesco.org























Thank you



IOC/UNESCO Indian Ocean Tsunami Information Centre
IOTIC-BMKG Programme Office

Disaster Risk Reduction and Tsunami Information Unit
UNESCO Jakarta Office

Please follow us on:



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