



UNESCO-IOC / NOAA ITIC Training Program in Hawaii (ITP-TEWS Hawaii)
 TSUNAMI EARLY WARNING SYSTEMS
 AND THE PACIFIC TSUNAMI WARNING CENTER (PTWC) ENHANCED PRODUCTS
 TSUNAMI EVACUATION PLANNING AND UNESCO IOC TSUNAMI READY PROGRAMME
 15-26 September 2025, Honolulu, Hawaii

14.1 TR PREP-1: Community-based Evacuation Maps

TR PREP-2: Information Board and Signage

Guidance

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Pacific Community
 Communauté du Pacifique

Prep-1 Easily understood tsunami evacuation maps are approved

MG74: Page 14

- Based on Tsunami Hazard Zone.
- Prepared with community consultation to incorporate local knowledge.
- Approved by local authorities.
- In accordance with the community's Tsunami Emergency Response Plan



Prep-1 Easily understood tsunami evacuation maps are approved

The evacuation map should:

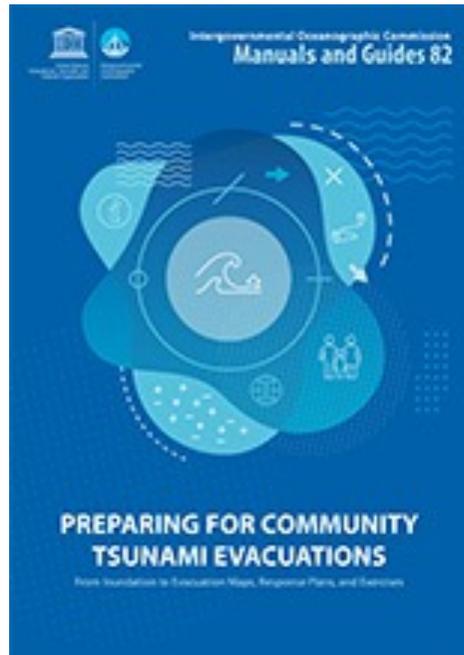
- * show evacuation zones, routes, safer areas as higher ground or tsunami shelter, assembly areas, critical and sensitive facilities
- * use the tsunami hazard map as a basis for its preparation (deliverable of ASSESS-1)
- * The community should be involved in its preparation to incorporate local knowledge



Evacuation map in Praia da Batata, Lagos, Portugal.

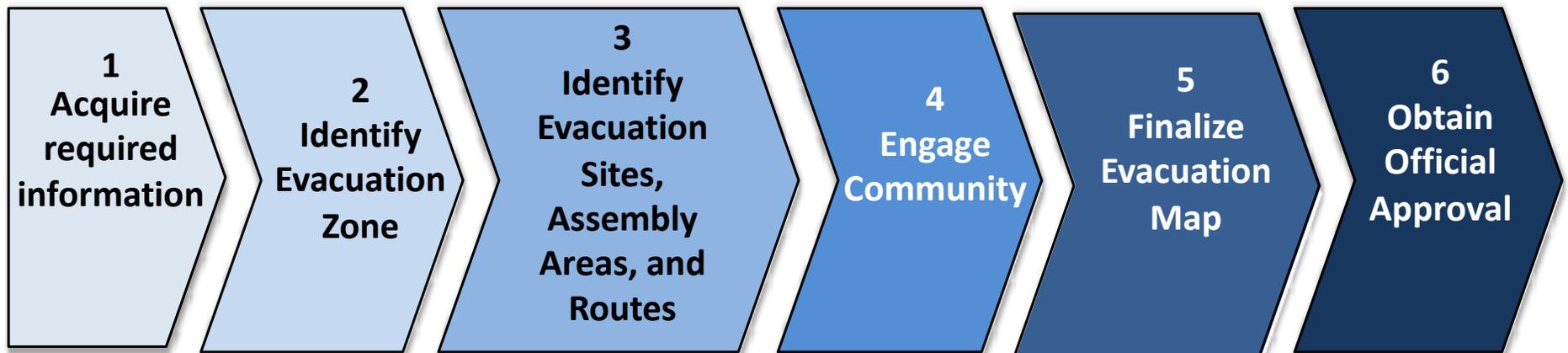
TEMPP, and UNESCO IOC Manuals and Guides, 82, 2020: *Preparing for Community Tsunami Evacuations: from inundation to evacuation maps, response plans and exercises.*

Prep-1 Easily understood tsunami evacuation maps are approved



Evacuation maps should be simple and easy to read and should include essential information

The following 6 steps should be followed to develop evacuation maps:



PREP-2: Tsunami information including signage is publicly displayed

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The community should have **Public displays and signage** with information on among other:

- Tsunami hazard zone,
- How to respond in case of a tsunami
- Evacuation routes and Assembly area/points



Signage should comply with national or international standards. Signage should be understandable by residents and international visitors

Why public display is important

- **Public display signage should provide information about tsunami risk information** as well as education on how to respond in the event of a tsunami.
- **The most visible way to educate the public about tsunami hazard** in the coastal zone is by displaying signboards.
- **The signboards will contribute to public awareness** of the risk posed by tsunamis and a better understanding of what should be done by the community in response to the event.
- **It is critical that residents and tourists be aware of tsunami hazard** zones, evacuation routes and safe zones in coastal areas.

Two types of public displays of tsunami information

1. Signage to inform the **tsunami hazard zone and route** to follow in an emergency evacuation. Should be simple, clear, quick to read and easy to understand
2. Signage that provides more **information about tsunami risk**. More detailed and should be read outside an emergency situation



1. Evacuation Signage

1. Tsunami hazard zone

- Signage to inform entering, in, or leaving a tsunami hazard zone



2. Evacuation routes



3. Assembly/Meeting zones



CARIBE EWS Tsunami Signage Inventory and Report

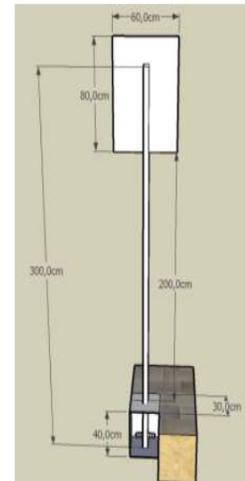
Working Group IV
Preparedness, Readiness and Resilience
UNESCO/IOC CARIBE EWS
Revised: December 2023

CARIBE EWS Signage Inventory	
Antigua y Barbuda.....	
Barbados	
Colombia	
Costa Rica.....	
Dominica	
Dominican Republic	
France.....	
Grenada.....	
Haiti.....	
Honduras.....	
Jamaica.....	
Kingdom of the Netherlands (Aruba).....	
Kingdom of the Netherlands (Curaçao)	
Nicaragua	
Saint Kitts and Nevis.....	
Saint Lucia	
Saint Vincent and the Grenadines	
Trinidad and Tobago	
United Kingdom Overseas Territories (Anguilla)	
United Kingdom Overseas Territories (Bermuda).....	
United Kingdom Overseas Territories (British Virgin Islands).....	
United Kingdom Overseas Territories (Turks and Caicos Islands)	
United States (Puerto Rico).....	
United States (Virgin Islands).....	
Venezuela.....	

Technical specifications (examples)

St-Johns-City-Drill-Signage		
Signage-Art	Single-Type	General-Information
	Tsunami-Hazards-Zone	Width/Height(ins)-24-X-24 Materials-PVC-foam-board Number-of-Signs-to-be-installed:
	Evacuation-Routes 35	Width/Height(ins)-14.5-X-24 Materials-PVC-foam-board Number-of-Signs-to-be-installed:
	Safe-Zone-Signs 25	Width/Height(ins)-18-X-24 Materials-PVC-foam-board Number-of-Signs-to-be-installed:

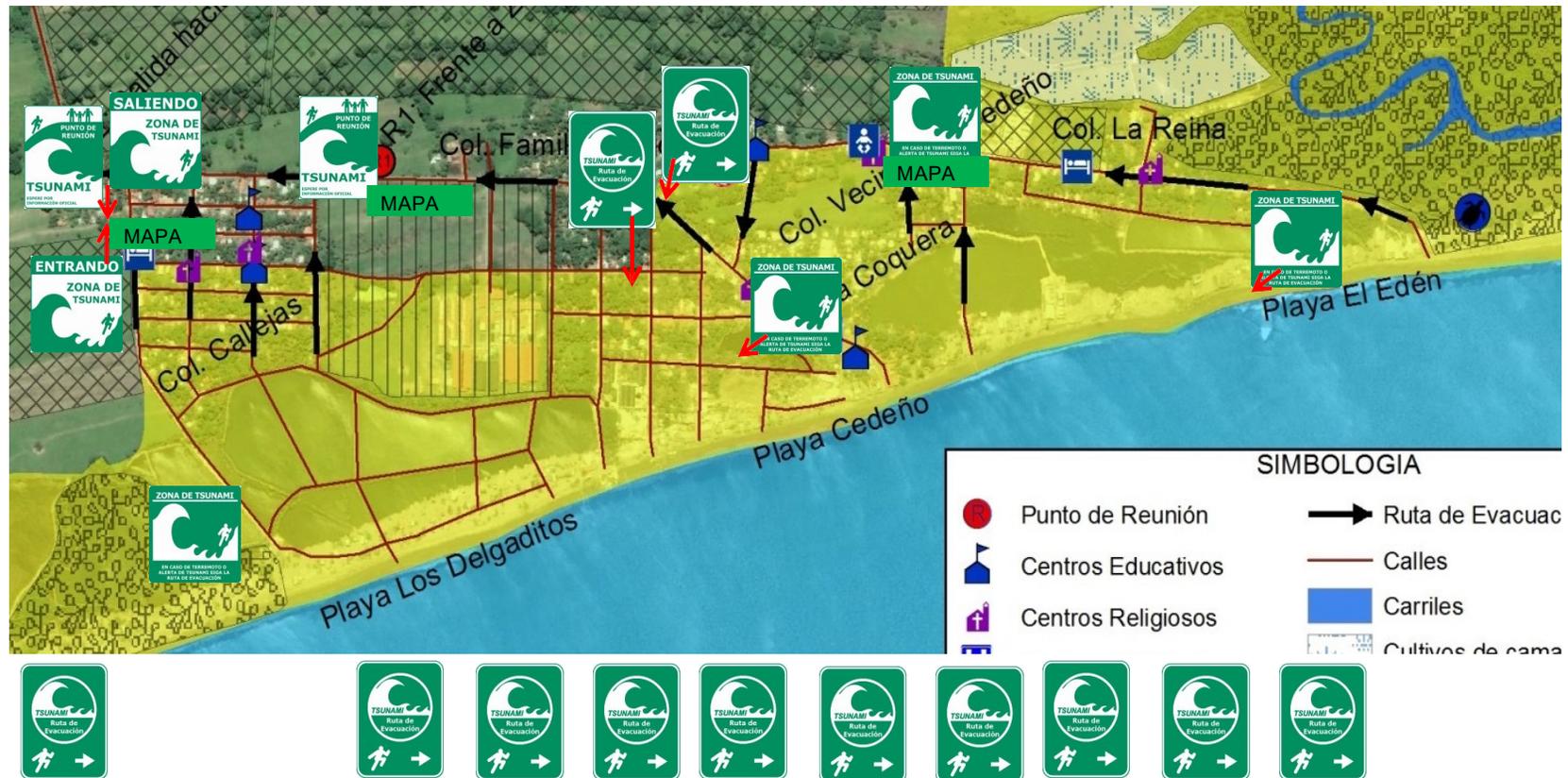
Signage for the St John's City Tsunami Drill December, 2019



	DESCRIPCION	SEÑALÉTICA	COMENTARIOS
1.	Rótulos de Zona de amenaza a Tsunami		Doble cara 60-cmX-80-cm Engineering grade
2.	Rótulo/ Ruta de Evacuación-continuar-derecho		Doble cara 60-cmX-80-cm Engineering grade
3.	Rótulo/ Ruta de Evacuación-hacia-la-izquierda		Una-sola-cara 60-cmX-80-cm Engineering grade

Instalacion de rotulos / señalética sistema de alerta temprana a tsunami

Signage Plan (examples)



Cedeño, Honduras

Example of signs painted as Mural



Figure 5. Mural in Villa del Carmen - Ponce, Puerto Rico indicating an Evacuation Route. [More pictures online.](#)

Mural in Ponce Puerto Rico

Example of signs painted on road, New Zealand



Blue Line in New Zealand

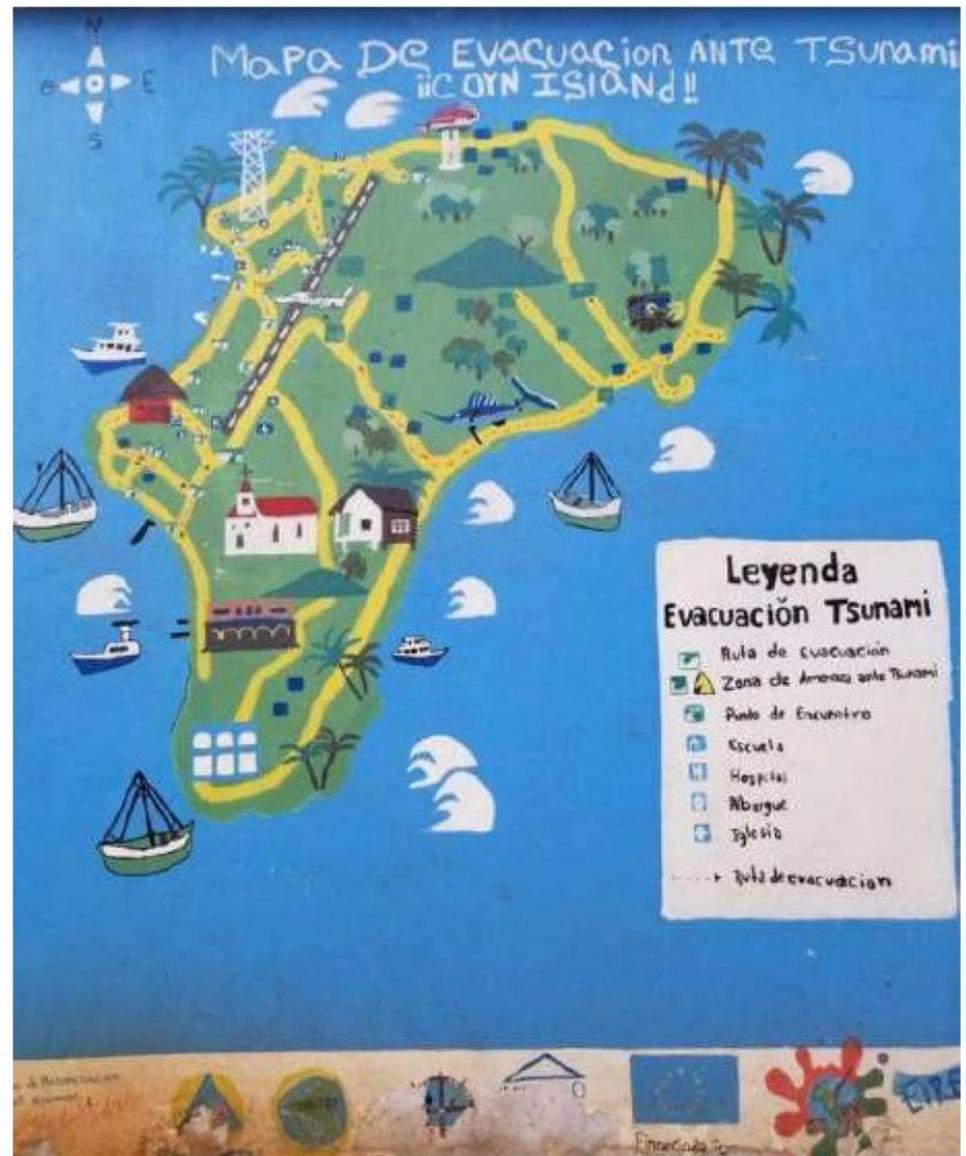
2. Public information signage

- Designed to **raise awareness** in community
- If no standard, **community could be design themselves but might need help** → a collaborative effort between the community, local authorities, DMO, NTWC, universities etc.
- Can contain information about **tsunami risk in the area, tsunami history, facts, and guidance**. Map of tsunami hazard zone can also be included



Australia

Corn Island, Nicaragua





Indonesia



India



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Thank You

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