



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

# ITP-TEWS Hawaii 2025

## Course Overview

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Pacific  
Community  
Communauté  
du Pacifique

# Goals and Objectives

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- Strengthen Tsunami Warning and Emergency Response plans and procedures (SOPs for end-to-end warning chain: detection-to-evacuation)
  - Increase capacity of operational staff to efficiently and effectively respond
  - Improve understanding and use of PTWC Enhanced Products
  - Strengthen community evacuation planning and preparedness, especially for local tsunamis, through UNESCO IOC Tsunami Ready Recognition programme.

# Goals and Objectives

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- ITP-TEWS Hawaii will use Hawaii as a working example of an end-to-end tsunami warning and mitigation system demonstrating stakeholder coordination and partnership for operational warnings and in preparedness activities.
- Training activities will include warning and response decision-making, use of decision-support tools, evacuation, awareness, a drill and a table top exercise

# Agenda

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- **Day 1 – 3 (Mon-Tues): TEWS Overview and Background**
  - IOC Global System - ICGs, TNCs, TWFPs, NTWCs, RTSP, TICs
  - Earthquake and Tsunami Science
  - Lessons Learned - Kamchatka 2025 and others
  - TWC and Tsunami Emergency Response
  - Begin Country Presentations
- **Day 4 – 5 (We – Fri): PTWC Products, Hawaii EM Visits, TWC Operations**
  - PTWC products, Tsunami Warning and Mitigation Systems (Hawaii Example),
  - Visits to City and County of Honolulu DEM (Th) and Hawaii State Emergency Management Agency (Friday)
  - Visit to PTWC and ITIC (Thursday), Decision Support Tools
  - Sea Level and Tsunami Monitoring, SL instrumentation

# Agenda

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- **Day 6 - 7 (Mon - Tues) - Tsunami Emergency Response, Tsunami Event Flow, Hazard Assessment and Evacuation Planning**
  - SOPs and Checklists
  - Emergency Communications, Media and Social Media
  - UNESCO IOC Tsunami Ready Recognition Programme, Hazard Assessment and Evacuation Mapping
  - Ala Moana Tsunami Evacuation Drill (Tues)
  - End Country Presentations
- **Day 8 - 10 (Wed- Fri): Exercise Hawaii Wave (EHW-25) Tsunami Exercise**
  - Tsunami Response Planning, SOP's
  - Increasing Tsunami Awareness, RUNAMI Board Game
  - Exercise Hawaii Wave (Thursday) at NOAA IRC
  - Hotwashes and mock Press Conference, Closing Ceremony

# Course Materials

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- **TWC/TER SOPs: IOC MG 76 (2017) (En)**  
Plans and Procedures for Tsunami Warning and Emergency Management
- **Evacuation Planning: IOC MG 82 (2019)**  
Preparing for Community Tsunami Evacuations: from inundation to evacuation maps, response plans and exercises
- **Exercises**
  - **IOC Wave Exercises: IOC MG 58 (2017) (En, Sp)**  
How to Plan, Conduct and Evaluate UNESCO/IOC Tsunami Wave Exercises
  - **Multi-Annual Community Tsunami Exercise Programme Guidelines for CARIBE-EWS: IOC MG 86 (2021) (En, Sp, Fr)**
- **Tsunami Ready: IOC MG 74 (2022) (En, Sp, Fr)**  
Standard Guidelines for the Tsunami Ready Recognition Programme
- **Awareness materials (general, global / regional hazards)**

# Ocean Teacher Global Academy Online Courses

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- **Organized by the UNESCO-IOC Tsunami Resilience Section and its Tsunami Information Centres**
- **Tsunami Awareness**
  - Basic understanding of the tsunami phenomenon, tsunami hazards and risks, tsunami warning systems, and tsunami preparedness.
  - Pre-requisite for enrolling in later UNESCO-IOC tsunami courses
  - 6 Hours
  - <https://oceanexpert.org/event/4369>
- **Tsunami Ready**
  - Introduces the concept, process and indicators of the UNESCO-IOC Tsunami Ready Recognition Programme
  - <https://oceanexpert.org/event/4610>



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# Thank You

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