

UNESCO/IOC – NOAA ITIC Training Program in Hawaii (ITP-TEWS Chile) TSUNAMI EARLY WARNING SYSTEMS AND THE PACIFIC TSUNAMI WARNING CENTER (PTWC) ENHANCED PRODUCTS TSUNAMI EVACUATION PLANNING AND UNESCO IOC TSUNAMI READY PROGRAMME 19-30 August 2024, Valparaiso, Chile

Intergovernmental Oceanographic Commission

# ITP-TEWS Chile 2024 Course Overview

Dr. Laura Kong Director, ITIC, USA NOAA

Lt. Cdr. Matías Sifón

Associate Director, ITIC, Chile SHOA



## **END-TO-END TSUNAMI WARNING**



English:https://vimeo.com/124650777, https://www.youtube.com/watch?v=XlxhRs7bst4Spanish:https://vimeo.com/125109150, https://www.youtube.com/watch?v=aXx4pnVvz8IFrench:https://vimeo.com/125109148, https://www.youtube.com/watch?v=m40\_nnVslBQ

### **Goals and Objectives**

- 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.

UNESCO/IOC-NOAA SHOA International Tsunami Information Center

#### **Goals and Objectives**

- ITP-TEWS Chile will use Chile 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, and exercises

#### Agenda

- □ Day 1 3 (Mon-Tues): TEWS Overview and Background
  - IOC Global System ICGs for Pacific and Caribbean, TOWS WG
  - Earthquake and Tsunami Science, Lessons Learned
  - Chile TEWS
- Day 4 5 (Wed Fri): TWC/ TER operations, SOPs, PTWC products, Decision Support Tools, SL instrumentation Thurs: CSN, SENAPRED, Tues-Fri: SNAM (TWC drill)
- **Day 5 (Sat, Field Trip)**: Tsunami Deposits and Marine Preparedness
- Day 6 (Sunday): Free Day
- Day 7- 8 (Mon Wed)
  - Mitigation, Preparedness, Awareness
  - UNESCO IOC Tsunami Ready Recognition Programme
- Day 9 10 (Thurs Fri): Exercise Chile Wave (ECW-24) Tsunami Exer

### **Course Materials**

- 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)

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# Thank You Muchas Gracias

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