OceanTeacher Global Academy

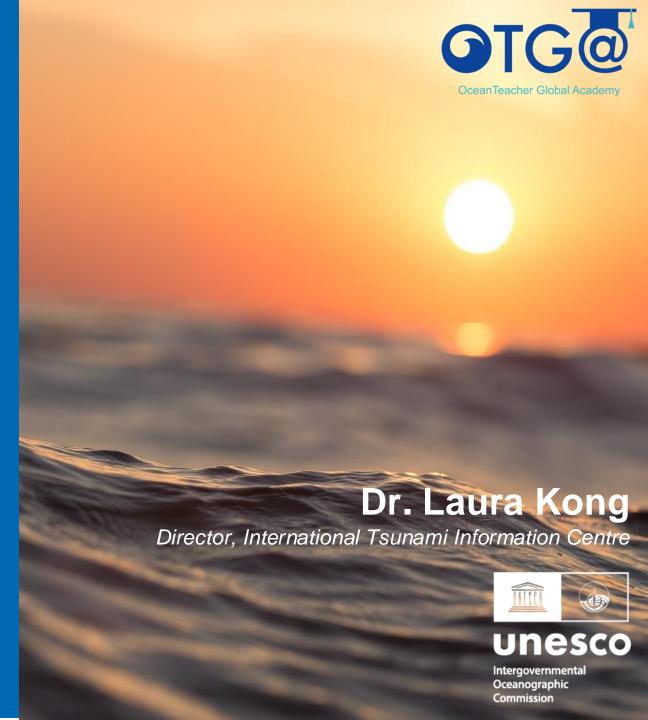
Tsunami Awareness
Tsunami Ready
TWC Minimum Staff
Competencies













OceanTeacher Global Academy: Delivering IOC Capacity Development



- Global network of 17 Specialised Training Centres (STC, topic focus) and Regional Training Centres (RTC, regional focus)
- RTCs and STCs play a major role by enabling training relevant to the IOC programmes and regions

ITIC is **STC** for Tsunamis





Reduction

forecasting



Research under the UNCLOS.



Course topics include

Marine spatial planning

GIS applications for





Marine GIS application

Coastal mapping &

Course topics include Prevention and reduction of marine pollution.

www.oceanteacher.org







OceanTeacher Global Academy: Global training hub



OTGA provides education and training for managers and researchers

OTGA provides open educational resources for online learning

OTGA makes quality training resources openly available

OTGA delivers training in four languages

OTGA offers free online, blended and classroom courses and modules

The UNESOC-IOC Project Office for IODE, host of the OTGA, is an ISO certified learning services provider

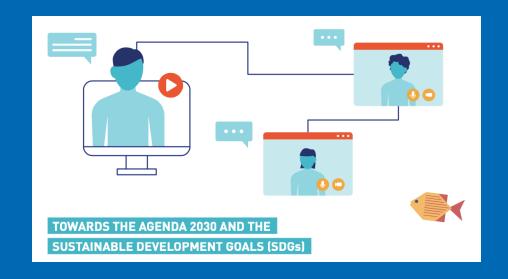


OceanTeacher Global Academy: Supporting UN processes



OTGA: delivering Capacity Development for the ocean we need for the future we want

- UN Decade of Ocean Science for Sustainable Development (2021-2030)
- UN Agenda 2030 and its Sustainable Development Goals





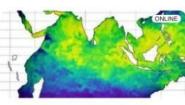


Face to Face Learning Learning Blended Learning

OceanTeacher Global Academy: Training courses



Oceanographic Commission



Discovery and Use of Operational Ocean Data Products and Services



Remote Sensing of Coral Reefs



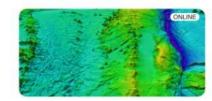
Ocean Data Management



Marine GIS Applications for Integrated Coastal Zone Management



Ocean Acidification



Fundamentals of Ocean Floor Mapping



Earth Observation data and techniques for fisheries management



Ocean Colour Remote Sensine -

Ocean Colour Remote Sensing – Data, Processing and Applications





UNESCO-IOC Tsunami Courses





- ITIC STC courses will be collaborative IOC TSR
- Course names start with UNESCO-IOC xxx
- Self-paced, independent, no trainer interaction
 - 1. Tsunami Awareness (available since 25 June 2024)
 - 2. Tsunami Ready (soon, October)
- Hybrid and/or In-person
 - Tsunami Warning Center Operations (SOPs) –
 Minimum Staff Competencies. (2025)
 - 2. Tsunami Early Warning Systems (TEWS)
 - 3. Tsunami Evacuation Maps, Plans, and Procedures (TEMPP)

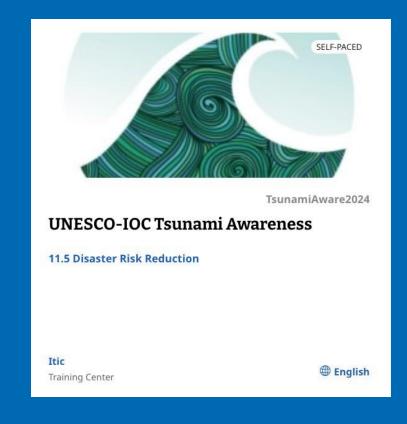


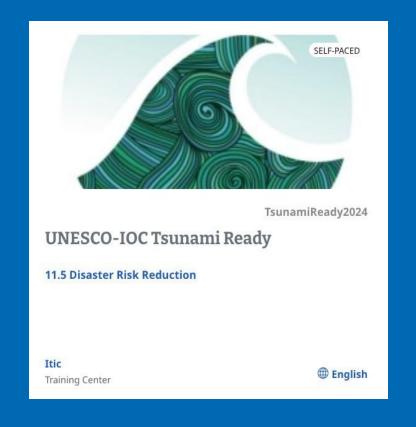




OceanTeacher Global Academy: Tsunami training courses









Tsunami Awareness Training Course





- OTGA Tsunami Awareness certificate required to enroll in Tsunami Ready
- ITIC and IOC TSR Joint work on OTGA Tsunami Awareness Materials

Tsunami Awareness

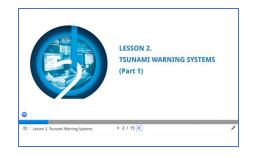
Pre-Quiz

Lesson 1: Tsunami Basics (Parts 1 and 2)

Lesson 2: Tsunami Warning Systems (Parts 1 and 2)

Lesson 3: Tsunami Ready Preparedness (Parts 1 and 2)

Post-Test







- 2 parts (18, 23 Slides)
 2 parts (14, 18 Slides)
- 2 parts (15, 23 Slides
- All Lessons have Activities, Knowledge review checks, Narration











OceanTeacher Global Academy: Tsunami Awareness Training course



Oceanographic Commission

Lesson 1. Tsunami Basics



The goal of this lesson is to introduce basic tsunami science, including the hazards produced by tsunamis, the causes and generation mechanisms of tsunamis, the propagation of tsunamis, and the ways tsunamis manifest themselves near or at the shore.

Enter Section -

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Restricted Not available unless: The activity Getting started is marked complete

Lesson 2. Tsunami Warning Systems



The goal of this lesson is to provide an overview of an end-to-end tsunami warning system with a focus on the operational components of a tsunami warning system and the processes involved in detecting and warning for a tsunami.

Enter Section (

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Restricted Not available unless:

- The activity Activity 1.1. Natural Hazards Image Database is marked complete
- . The activity Activity 1.2. Natural Hazards Viewer is marked complete
- The activity Activity 1.3. Tsunami Travel Times is marked complete
- . The activity Activity 1.4. Global Historical Tsunami database is marked complete

Lesson 3. Tsunami Preparedness



The goal of this lesson is to highlight the importance of preparedness, with a focus on community response strategies that will effectively reduce tsunami risk.

Enter Section 🕣

50% complete

Restricted Not available unless:

- The activity Activity 2.1. Earthquake monitoring is marked complete
- The activity Activity 2.2. Tsunami Monitoring and Detection is marked complete
- . The activity Activity 2.3. Tsunami Warning Messages is marked complete



OceanTeacher Global Academy: Tsunami Awareness Training course Lesson:

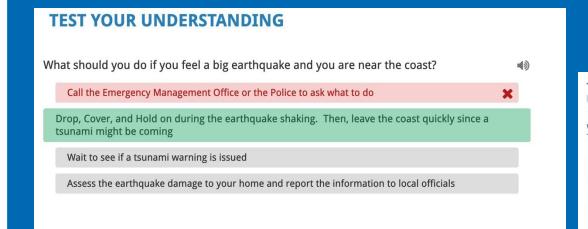


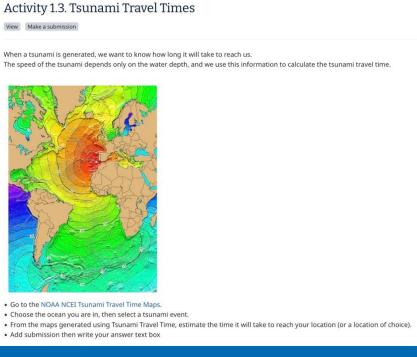
	The goal of this lesson is to introduce basic tsunami science, including the hazards produced by tsunamis, the causes and generation mechanisms of tsunamis, the propagation of tsunamis, and the ways tsunamis manifest themselves near or at the shore.
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	ctivity 1.2. Natural Hazards Viewer iew Make a submission
	iew Make a submission
	ctivity 1.4. Global Historical Tsunami database iew Make a submission



OceanTeacher Global Academy: Tsunami Awareness Training course Activities:









OceanTeacher Global Academy: Tsunami Awareness Training course Final Test & Certificate of Completion: Unesco

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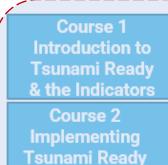


Tsunami Ready Training Course





IOTIC and ITIC Joint work on OTGA Tsunami Ready Training Materials



Course 3

Facilitating

Гsunami Ready

What is Tsunami Ready

· Why is it important

- What is the benefit of implementing TR
- What are the indicators
- · Why are these indicators
- · What do community do to start to implement TR
- Who are the stakeholder and the technical organization
- How to approach the organizations
- · What does each of these indicator means and the relation of each indicators
- · How to work on each of the Indicators

Course 1 Introduction to **UNESCO-IOC Tsunami Ready Recognition Programe**

- Lessons 1: Tsunami Ready Background
- Lessons 2: Tsunami Ready Implementation **Process**
- Lessons 3: Tsunami Ready Indicators

Course 2 Facilitating Tsunami Ready

- Lessons 1: Approach to Tsunami Ready Community Capacity Building
- Lessons 2: Assessment Indicators
- Lessons 3: Preparedness Indicators
- Lessons 4: Response Indicators



mesco (Carro OTG@ Introduction to UNESCO-IOC Tsunami Ready Recognition Programme Lessons 2: Tsunami Ready Implementation Process



23 Slides

19 Slides

22 Slides

- Transcript of each slide
 Transcript of each slide
- Transcript of each slide







PTWS Tsunami Warning Center Staff Minimum Competencies Training - pilot





- Competency Framework approved ICG/PTWS-XXX (2023)
- ITIC create training, with country partners (USA NOAA-PTWC/PMEL, NZ, Australia, Japan, Chile with Pacific Island Countries (PIC))
- Funding: USAID funding, IOC Ocean Training Intern (Q3 2024)
- Series of courses from self-paced to in-person housed under OTGA
- In order to take next Lesson, must pass previous Lesson and Course.
 Start with OTGA Tsunami Awareness and Tsunami Ready
- Finish and pilot in late Dec 2025/early 2026 with 1 small cohort (PIC)
- Modules (to be individual OTGA, or US COMET MetEd courses)
 - 1. Core and Advanced Knowledge (multiple Lessons)
 - 2. Core and Advanced Operations (multiple Lessons)
 - 3. Core Agency (multiple Lessons)









Final training will be in-person (3-4 weeks at ITIC/PTWC)

OceanTeacher Global Academy

