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Fiji Tsunami Ready Stakeholder Workshop

1.3 Course Overview



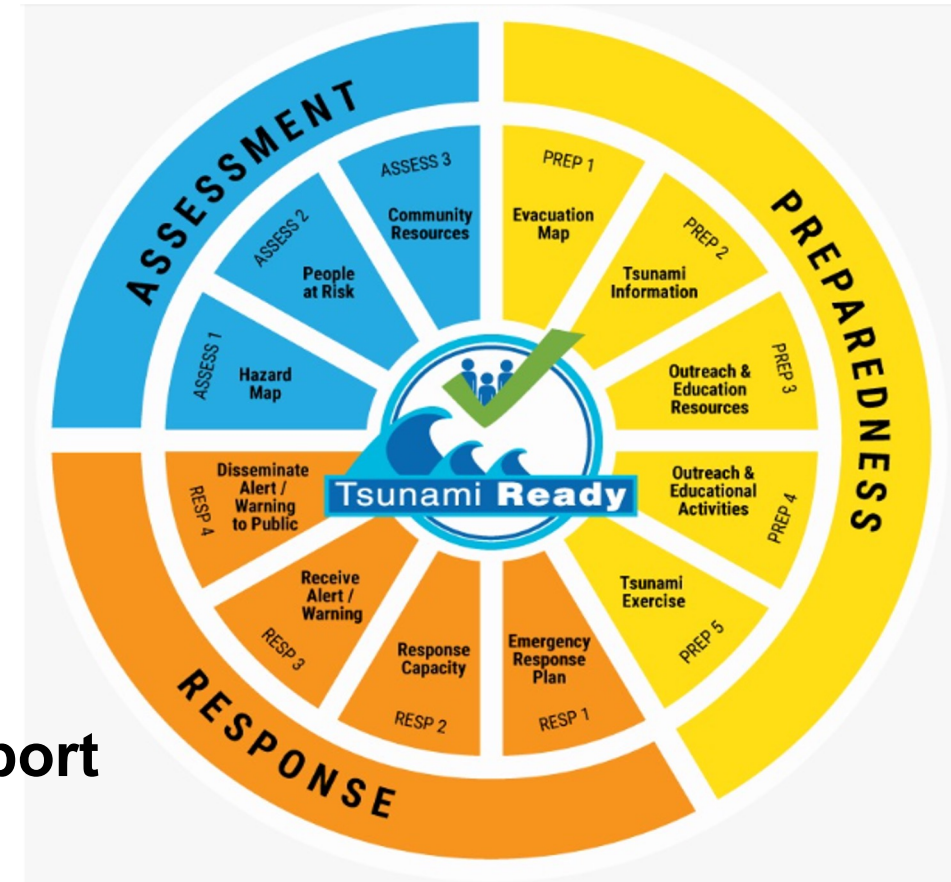
Dr. Laura Kong
International Tsunami Information Centre (ITIC)



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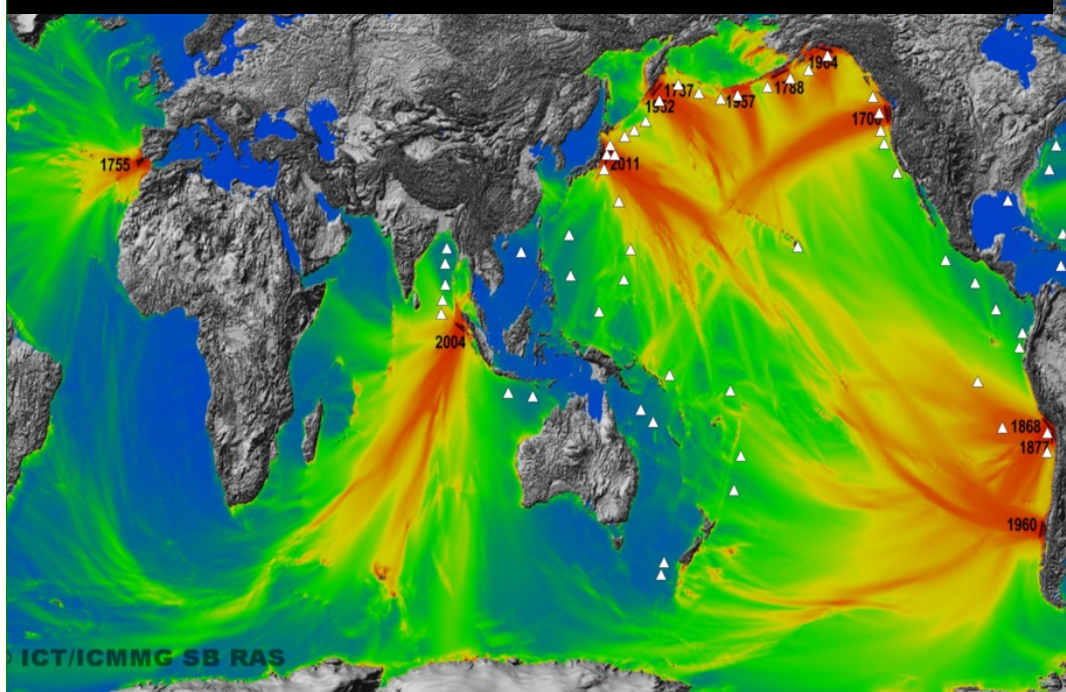
Workshop Goals and Outline

- Bring together Fiji government stakeholders, including Community and Non-government Organizations, to inform on the Fiji Tsunami Ready Programme
- The Workshop will
 - Announce Fiji's Tsunami Ready Programme
 - Provide information on Fiji's Tsunami Hazard and Tsunami Response Arrangements
 - Introduce the UNESCO Tsunami Ready Recognition Programme
 - Identify stakeholders interested in supporting the Programme
 - Develop Tsunami Ready Implementation Support matrix and timeline for recognizing Fiji's 1st Tsunami Ready Community in 2023

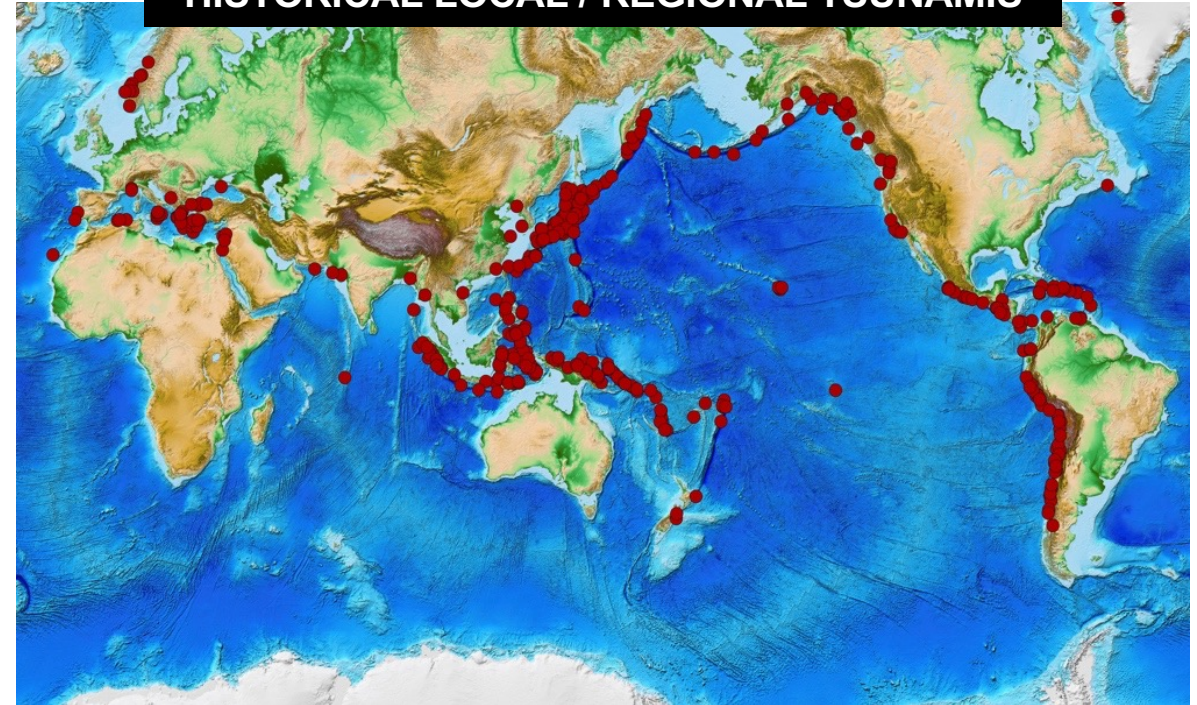


Why Tsunami Ready?

HISTORICAL TRANS-OCEANIC DISTANT TSUNAMIS



HISTORICAL LOCAL / REGIONAL TSUNAMIS



- ❑ Most tsunamis are local (< 1 hr) or regional (1-3 hrs)
- ❑ In the Pacific, 99% of deaths from local or regional tsunamis (Global, 90% of deaths)



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

UN Decade of Ocean Science for Sustainable Development IOC Ocean Decade Tsunami Programme - Tsunami Ready



World Tsunami Awareness Day - 2021

Special Representative of the Secretary-General for
Disaster Risk Reduction (UNDRR)



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THE OCEAN DECADE WILL PROVIDE A 'ONCE-IN-A-LIFETIME' OPPORTUNITY FOR NATIONS TO WORK TOGETHER TO GENERATE THE GLOBAL OCEAN SCIENCE NEEDED TO SUPPORT THE SUSTAINABLE DEVELOPMENT OF OUR SHARED OCEAN.

NEWLY ENDORSED DECADE ACTION THE OCEAN DECADE TSUNAMI PROGRAMME



Lead Institution: Intergovernmental Oceanographic Commission - IOC-UNESCO



The Ocean Decade Tsunami Programme

Intergovernmental Oceanographic Commission of UNESCO, IOC-UNESCO - France

Increase community resilience to ocean hazards, Indian Ocean, North Atlantic Ocean, North Pacific Ocean, Programme, South Atlantic Ocean, South Pacific Ocean

Progress actions is envisioned particularly in the fields of rapid tsunami detection, measurement and forecasting capabilities, implementation of Tsunami Ready communities and related capacity development efforts, specifically targeting SIDS and LDCs.

Additionally, the ambition is to identify and advance specific actions that align with the components of UNDRR People-centered early warning systems including:

1. Risk Knowledge
 - (i) Improve our understanding of the tsunami hazard by expanding our knowledge of past or potential tsunami sources
 - (ii) Fully understand the impacts to critical infrastructure and marine assets and how to minimize them
2. Monitoring and Warning
 - (i) More quickly detect and measure tsunamis directly, through ocean observations to include instrumentation of undersea cables
 - (ii) Ensure critical tsunami generation parameters are identified through the optimal use and real-time sharing of new and existing sensors and data
 - (iii) Leverage the Nippon Foundation-GESCO Seabed 2030 hydrographic survey initiative to ensure nearshore coastal zones have complete bathymetric/topographic data coverage at the required resolution
3. Warning Dissemination and Communication
 - (i) Ensure full integration of tsunami services within a multi-hazard early warning framework
 - (ii) Facilitate development of warning dissemination and communication options that are appropriate to geographic, demographic, and infrastructure conditions for the timely dissemination of warnings
4. Response Capability
 - (i) Tsunami evacuation maps must be available for all coastal communities
 - (ii) Ensure that 100% of communities at risk of tsunami around the world meet the indicators outlined in the IOC-UNESCO Tsunami Ready programme
 - (iii) Ensure plans to minimize impacts to critical infrastructure and marine assets are in place to enable quicker post-tsunami restoration of services
5. Capacity Development and attention to SIDS and LDCs
 - (i) Enhanced capacity development is necessary for the understanding of the tsunami hazard to enhance timely warning, response and resilience
 - (ii) Ensure that SIDS and LDCs are fully integrated into all development phases of the global Tsunami Warning and Mitigation System

Start Date: 01/09/2022

End Date: 31/12/2030

Lead Contact: Bernardo Aliaga (b.aliaga@unesco.org)

GET IN TOUCH

Contact us for more information about how you can be involved with The Ocean Decade.

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Ocean Decade Goals: Societal Outcomes



4. A Predicted Ocean

Society understands and can respond to changing ocean conditions.



5. A Safe Ocean

Life and livelihoods are protected from ocean-related hazards.



6. An Accessible Ocean

Open and equitable access to data, information and technology and innovation.

Capacity Development

Cross-cutting. No one left behind.



UN Decade of Ocean Science for Sustainable Development IOC Ocean Decade Tsunami Programme - Tsunami Ready



World Tsunami Awareness Day - 2021

Tsunamis are the most deadly of all sudden onset natural hazards

[Click for video](#)

THE MAIN SOCIETAL OUTCOME


TO MAKE
100%

OF COMMUNITIES AT RISK
OF TSUNAMI PREPARED FOR
AND RESILIENT TO TSUNAMIS


BY
2030

- *Tsunami Coalition: collaborative with critical UN stakeholders, civil protection, others ==> Raise profile. Facilitate resourcing*
- *Capacity Development: augmented through IOC Ocean Teacher Global Academy (OTGA) ==> Global reach, deep curricula*

UN Decade of Ocean Science for Sustainable Development IOC Ocean Decade Tsunami Programme - Tsunami Ready - Fiji



FIJI
Joining the Tsunami Ready global community



World Tsunami Awareness Day - 2020



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Project Support Matrix Worksheet



- Support Matrix to organize implementation
- On Day 2 afternoon, break into groups to discuss and complete
- Worksheet to be sent by email (and hard copy)
- For each TR indicator
 - Activities to achieve Indicator
 - Who will be involved
 - How long it will take

TSUNAMI READY PROGRAMME SUPPORT MATRIX (Indicator, Activities, Who, Time)

	TSUNAMI READY INDICATORS	Activities	Who (Agency/Office)	Time to do
I	ASSESSMENT (ASSESS)			
1	ASSESS-1. Tsunami hazard zones are mapped and designated			
2	ASSESS-2. The number of people at risk in the tsunami hazard zone is estimated			
3	ASSESS-3. Economic, infrastructural, political, and social resources are identified			
II	PREPAREDNESS (PREP)			
4	PREP-1. Easily understood tsunami evacuation maps are approved			
5	PREP-2. Tsunami information including signage is publicly displayed			
6	PREP-3. Outreach and public awareness and education resources are available and distributed			
7	PREP-4. Outreach or educational activities are held at least 3 times a year			
8	PREP-5: A community tsunami exercise is conducted at least every two years			
III	RESPONSE (RESP)			
9	RESP-1. A community tsunami emergency response plan is approved			
10	RESP-2. The capacity to manage emergency response operations during a tsunami is in place			
11	RESP-3. Redundant and reliable means to timely receive 24-hour official tsunami alerts are in place			
12	RESP-4. Redundant and reliable means to timely disseminate 24-hour official tsunami alerts to the public are in place			



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Tsunami Ready

2022 - 2026

THANK YOU Vinaka Vakalevu

For more information:

web: tsunamiready.org

e-mail: itic@unesco.org



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