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Intergovernmental Oceanographic Commission





What is UNESCO/IOC Tsunami Ready Recognition

3.1 Programme and its Indicators

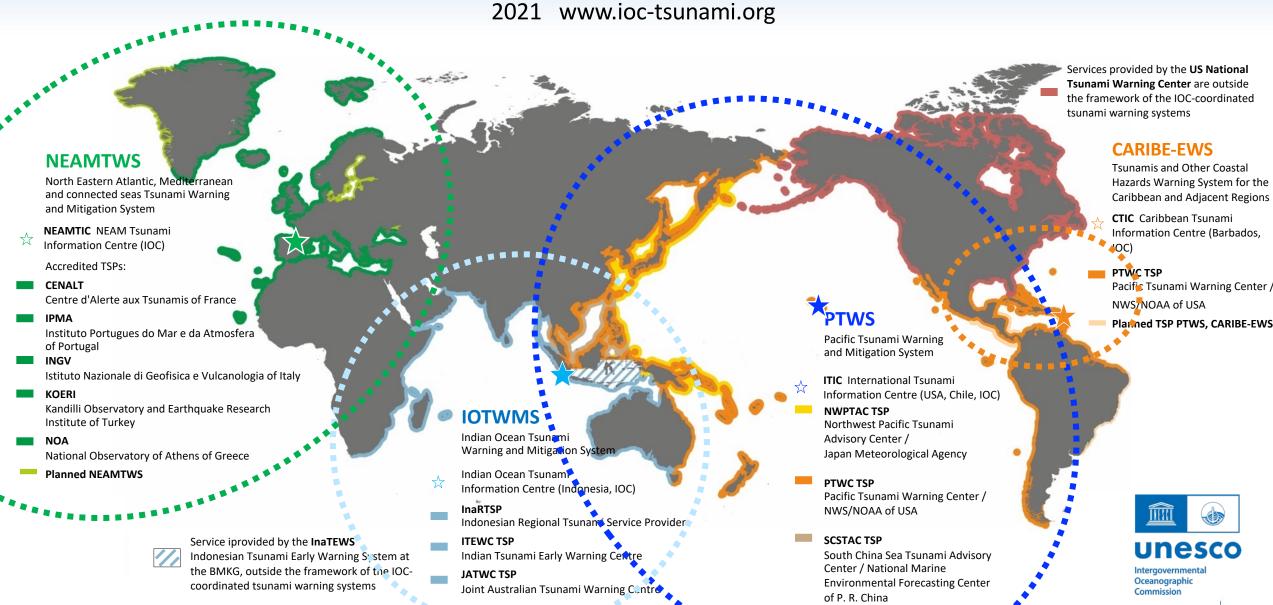
Dr. Laura Kong International Tsunami Information Centre (ITIC)

Programme?



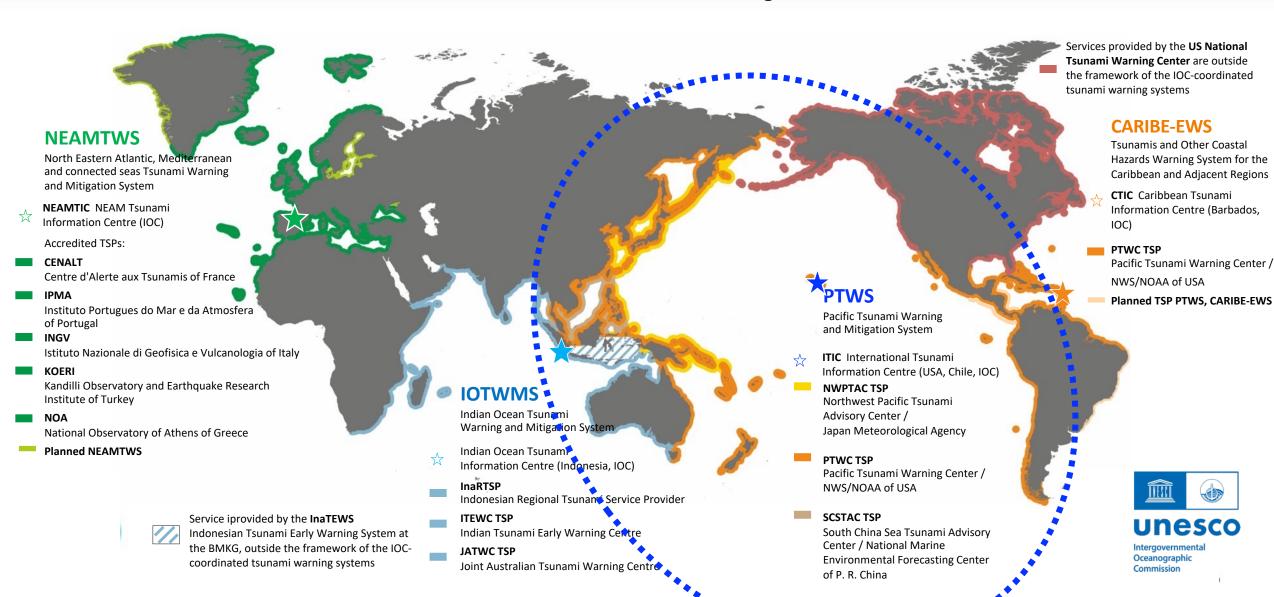
GLOBAL TSUNAMI WARNING AND MITIGATION SYSTEMS

Intergovernmental Oceanographic Commission of UNESCO 2021 www.ioc-tsunami.org



PACIFIC TSUNAMI WARNING AND MITIGATION SYSTEM (PTWS)

Intergovernmental Oceanographic Commission of UNESCO 2021 www.ioc-tsunami.org



IOC Tsunami Information Centers





PTWS: ITIC

USA NOAA – IOC Partnership1965

Chili SHOA Associate Director 1998



NEAMTWS EC DG ECHO France, Greece, Italy, Portugal 2011-13



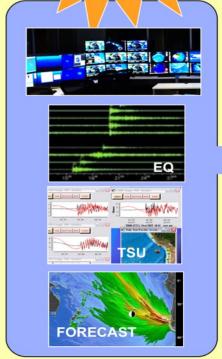
IOTWS
Indonesia – IOC Partnership 2012
(formerly JTIC since 2006)



CARIBE-EWS
Barbados- IOC Partnership
2015 (approved 2007)



End-to-End Tsunami Warning Chain



Country
Alert System

Emergency Alert System
& Mass Media

DMO / EMA - Safety

Natl / Prov / Local Govt



TWC - Science

Intl / Natl

Community



Race against Time

LIVES SAVED

TSUNAMI WARNING CHAIN (M9.5 Chile) Global to National to Local

Pacific Tsunami Warning & Mitigation System

Tsunami Warning!









English: Spanish: French:

https://vimeo.com/124650777 https://vimeo.com/125109150 https://vimeo.com/125109148











lives and reduce property damage

Pacific Tsunami Warning & Mitigation System Tsunami Warning!



















OCEAN DECADE TSUNAMI PROGRAMME A SAFE OCEAN

THE MAIN SOCIETAL OUTCOME

TO MAKE 100%

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

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



Solomon Islands – 'I survived'





The ground was shaking, the houses, everything.





UN OCEAN DECADE TSUNAMI PROGRAMME:

100% AT-RISK COMMUNITIES TSUNAMI READY





| | TSUNAMI READY INDICATORS |
|----|--|
| 1 | 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. |
| Ш | 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.

STRATEGY:Be Aware, Be Prepared

FRAMEWORK:

- Harmonized global guidelines UNESCO IOC Tsunami Ready
- Performance-basedCommunity Recognition

ACTION:

National programs empower Communities

GLOBAL MEASURE









WHAT IS A TSUNAMI?



A series of ocean waves caused by an earthquake, landslide or volcanic eruption. Waves can be 10 metres or higher.

WHEN DOES IT OCCUR?



Anytime and anywhere, and if local, can attack in minutes. You cannot outrun a tsunami.

WHAT IS ITS IMPACT?



Floods coastal areas devastating homes, contaminating soil, killing coral, and flattening landscapes.





















SIGNS OF A TSUNAMI

FEEL

SEE

HEAR

RUN









Strong or long earthquake: the ground shaking severely

Unusual disappearance of ocean water or oncoming wall of water

A loud roar, similar to that of a train or airplane

Leave the coastal area, move to higher ground or inland

























Source: COPECO HONDURAS, IOTIC, ITIC, LIPI















Community is Tsunami Ready - Exercise







Click for video



How to get Tsunami Ready



 Standard Guidelines for the Tsunami Ready Recognition Program (IOC Technical Series 74, 2022) Intergovernmental Oceanographic Commission
Manuals and Guides

74

Unesco

Standard Guidelines for the
Tsunami Ready Recognition
Programme

□ Facilitated by IOC Tsunami Information Centres Contact International Tsunami Information Centre (ITIC, itic@unesco.org,laura.kong@noaa.gov)



■ Tsunami Ready web site – information, resources www.tsunamiready.org

Be Safe. Be Prepared. Get Pacific Tsunami Ready!

LINKS: <u>Pacific Islands</u> <u>Western Pacific</u> <u>Eastern Pacific</u>



Click below for video PICT







THANK YOU Vinaka VakaLevu

For more information:

web: tsunamiready.org

e-mail: itic@unesco.org







Dr. Laura Kong International Tsunami Information Centre (ITIC)