



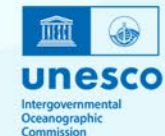
UNESCO-IOC

Tsunami Ready Recognition Programme

Introduction

(Short)

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UNESCO/IOC Tsunami Ready and the Global Frameworks



SAFE OCEAN

Not oceans and shores that do not have coastal hazards (i.e- Tsunami). is coastal area and ocean that is understood, observed, can be predicted, and where the people can continue to interact with the sea and oceans for their livelihood and lifestyle without having the fear of coastal hazards (tsunamis), as they already have the awareness, knowledge, preparedness, skills, and abilities to safe themselves in case of an emergency (tsunami)



Sustainable Development Goals 2015-2030



UN Decade of Ocean Science for Sustainable Development 2021-2030



Sendai Framework for DRR 2015 - 2030



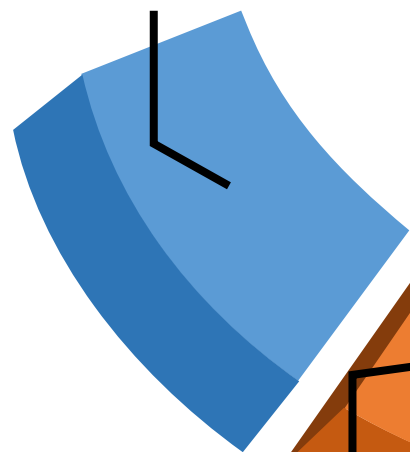
World Tsunami Awareness Day



IOC-UNESCO Tsunami Ready Recognition Programme

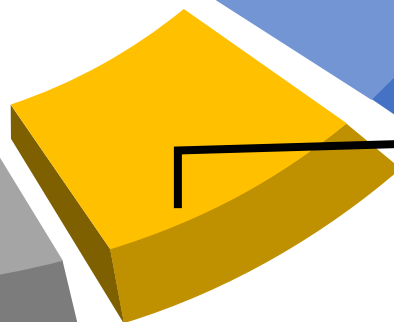
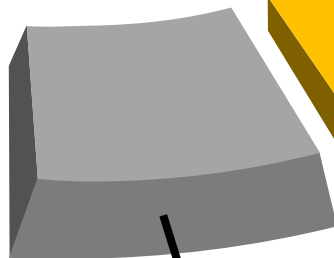
COMMUNITY-BASED

Based on community performance-based programme. (Ownership and Responsibility)



SUSTAINABLE IMPROVEMENTS

Risk assessments, early warning system, public awareness, exercises, pre-planning, preparedness actions



SYSTEMATIC PREPAREDNESS

Aims to improve coastal community preparedness and ensures structural, systematic, and sustainable approach.

MULTI STAKEHOLDER INVOLVEMENT

Community, Community Leaders, NTWC, NDMO, LDMO, Universities, NGOs and CSOs

CREATE OWNERSHIP

Best practice guidelines and recognition as tsunami prepared community



What is community?

- A community is a group of people who live in the same area (city, town, village, neighbourhood), includes its social and economic dimensions, its infrastructure, life-lines and supporting environmental systems.
- Scale of community is important. Its size (area, population), national governance structure, as well as its vulnerability, exposure, resources and capacity required, will determine how Tsunami Ready is implemented.



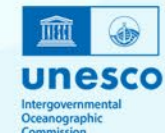
Cedeño, Honduras, Tsunami Ready Recognition Ceremony, February 2017. (Credit: ITIC)

Tsunami Ready Indicators

Tsunami Ready consists of 12 key indicators designed to strengthen local tsunami risk reduction capacity. The indicators are grouped into three categories:

**Assessment,
Preparedness and
Response**

UNESCO IOC TSUNAMI READY INDICATORS	
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 three 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



Why do you need Tsunami Ready ?

An advanced tsunami early warning system will not save lives if the community at risk does not have the knowledge and capacity to respond to the early warning.



- There is a high risk of loss of life and property in coastal communities with weak or no community preparedness for tsunami emergencies
- For local tsunamis*, the community needs to react and take action without official warning or guidance
- If the warning chain to the community is weak or broken, the community must be prepared to take action on its own initiative

* When a tsunami arrives in less than 1 hour from its source. Usually within a 100 – 200km range of the epicentre

Benefits of Tsunami Ready Programme

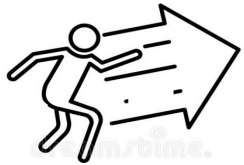
- **Strengthens tsunami preparedness** of coastal communities
 - Improved assessments of Hazards, Risk, Inundation, and Evacuation
 - Improved early warning systems/warning chain
 - Improved public awareness, understanding of tsunami threat and preparedness
 - Tests awareness and preparedness through regular exercises
- **Strengthens the relationship** between tsunami scientists and warning officials and local communities
- **Strengthens preparedness for other hazards**
- **Improves community planning**
- Encourages a **consistent and sustainable approach** to disaster risk reduction
- Contributes to the aims of the Sendai Framework for Disaster Risk Reduction and Sustainable Development Goals
- International recognition from UNESCO IOC as Tsunami Ready Community
- Strengthens the relationship between tsunami scientists and warning officials and local communities



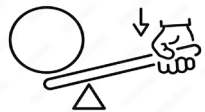
What Tsunami Ready Recognition Mean to the Community



Prestige



Motivation



Leverage



Opportunity

1. To recognizes the effort and **achievements** of the community
2. To **motivate the community** to continue to improve its level of preparedness
3. To **motivate others** to follow the example of good practices
4. To enhance the **sustainability of preparedness** in the community



Tsunami Ready Disclaimer

A Tsunami Ready recognition does not imply approval or promise that a community can or will perform at a certain level in case of a tsunami. Tsunami Ready recognition does not mean that a community is tsunami proof; it is rather an acknowledgment and recognition of the measures adopted by the community to cope with their tsunami risk

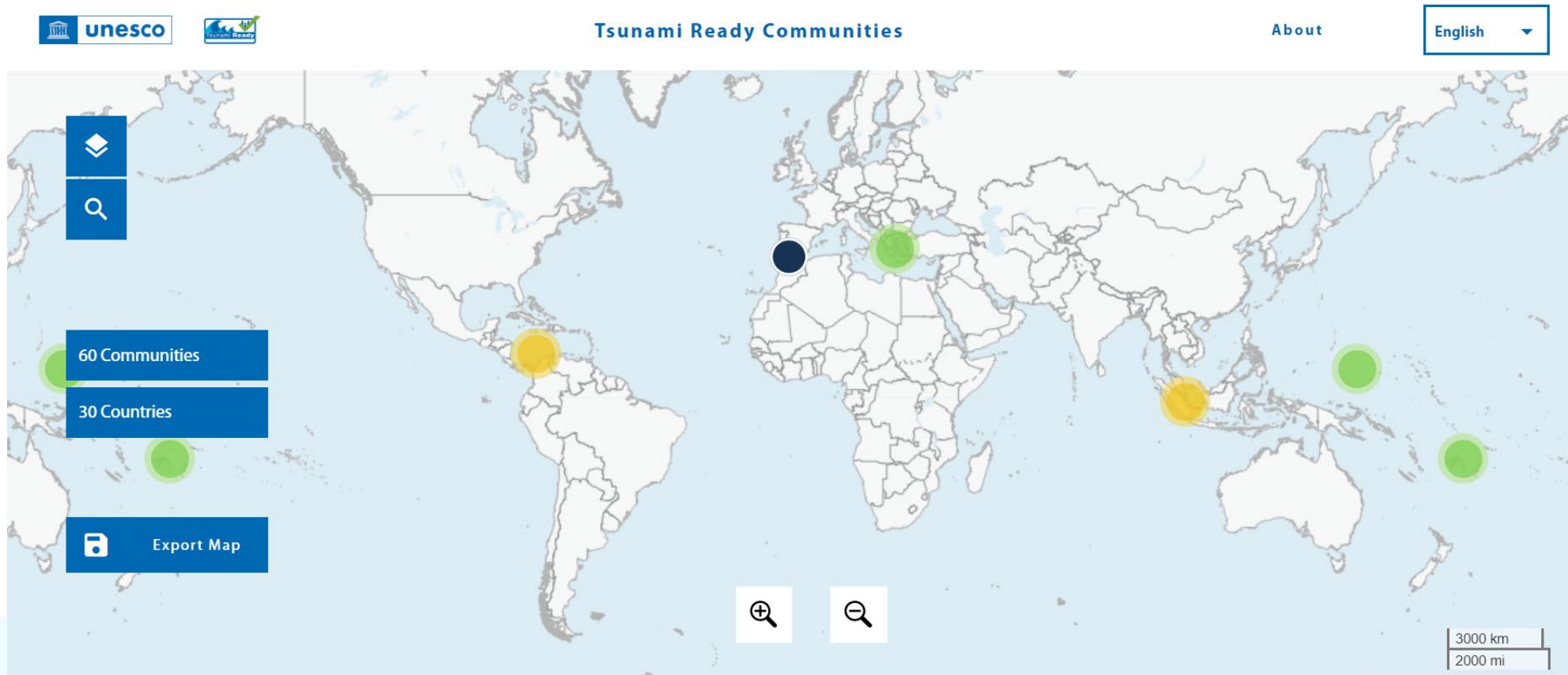


UNESCO-IOC Tsunami Ready Tools



UNESCO/IOC Tsunami Ready Viewer

Showing UNESCO/IOC Tsunami Ready Recognized Community Globally



<https://tsunamireadyviewer.ioc-tsunami.org/>



UNESCO/IOC Tsunami Ready Tools

UNESCO/IOC Tsunami Ready Website

The screenshot shows the UNESCO/IOC Tsunami Ready website. At the top, there are navigation tabs for UNESCO, IOC, IOC Tsunami, NOAA, US Tsunami, and NOAA Tsunami. The main header features the ITIC logo and the text 'International Tsunami Information Center' over a background image of a tsunami wave. Below the header, there is a breadcrumb trail: 'You are here: Home > Intergovernmental > UNESCO/IOC Tsunami Ready Programme'. A search bar is located on the right side of the header. The main content area is divided into several sections:

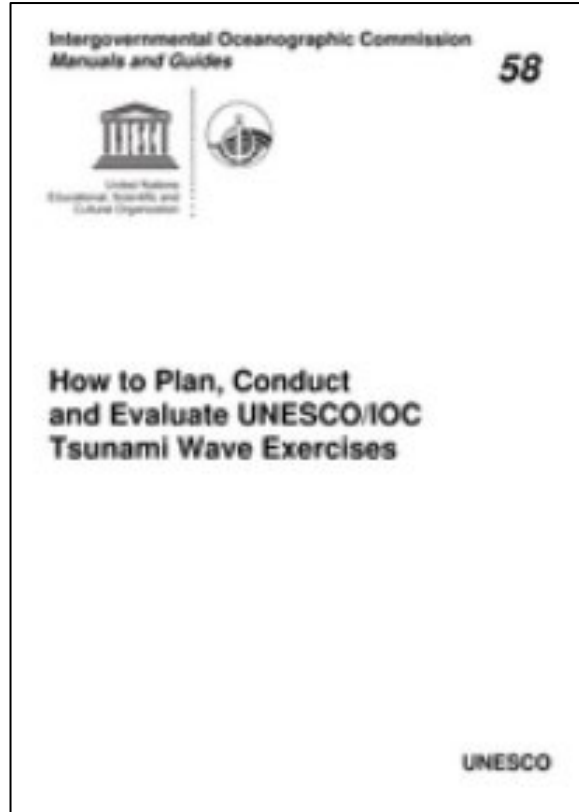
- Home**
- Contact ITIC**
- General Info**
 - World Tsunami Day
 - Hawaii Information
 - American Samoa Info
 - About Tsunamis
 - Am I in Danger?
 - What to Do?
 - Aware, Educate
 - Photo, Video, Graphic
 - Quick Info - Media
 - FAQs
 - About ITIC
- Technical Info**
 - Current Warnings
 - About Warnings
 - Tsunami Events
 - Earthquake Monitors
 - Sea Level Monitors
 - Research
 - Meetings
 - Tools & Products
 - Library
 - ITST Tsunami Survey
 - Marine Ports Guide
 - Vertical Evac Guide
- UNESCO/IOC Tsunami Ready Programme**
 - Caribbean
 - Pacific
 - Indian Ocean
 - North Atlantic and Mediterranean
 - Background
 - Pilot Programme
- UNESCO/IOC Tsunami Ready Recognition Programme**
 - Logo for UNESCO/IOC Tsunami Ready Recognition Programme, featuring a blue wave, a green checkmark, and the text 'Tsunami Ready'.
- IOC Tsunami Information Centres**
 - ITIC (International Tsunami Information Center)
 - CTIC (Caribbean Tsunami Information Center)
 - IOTIC (Indian Ocean Tsunami Information Center)
 - NEAMTIC (North East Atlantic and Mediterranean Tsunami Information Center)
- ITIC CARIBBEAN OFFICE (ITIC-CAR)**
- Quick Links**

http://itic.ioc-unesco.org/index.php?option=com_content&view=category&id=2234&Itemid=2758



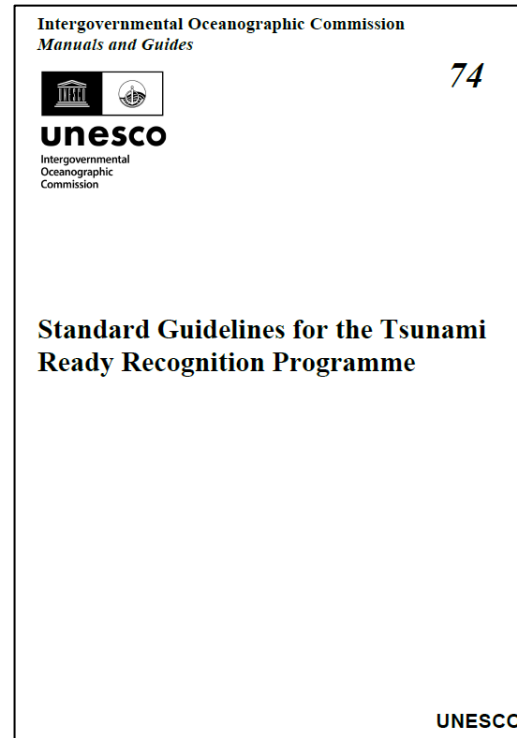
UNESCO/IOC Manuals and Guides

Manual and Guide No 58



<https://unesdoc.unesco.org/ark:/48223/pf0000218967>

Manual and Guide No 74

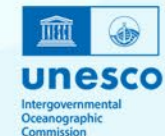


<https://oceanexpert.org/downloadFile/50068>

Manual and Guide No 76



<https://unesdoc.unesco.org/ark:/48223/pf0000256552>



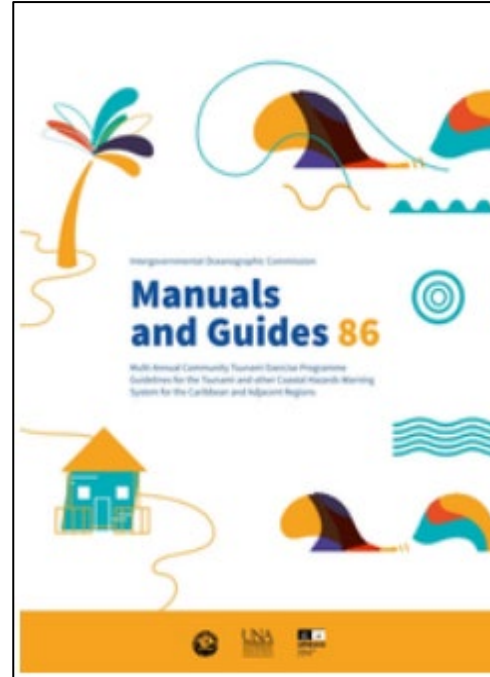
UNESCO/IOC Manuals and Guides

Manual and Guide No 82



<https://unesdoc.unesco.org/ark:/48223/pf0000373019?posInSet=17&queryId=947ca611-1880-4ded-bb5a-4bd61c93c161>

Manual and Guide No 86



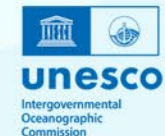
Multi-annual community tsunami exercise programme: guidelines for the tsunami and other coastal hazards warning system for the Caribbean and Adjacent Regions

<https://unesdoc.unesco.org/ark:/48223/pf0000380540.locale=en>



Use of the Tsunami Ready logo would need to request the approval from UNESCO/IOC Tsunami Unit. Please contact: ioc-tsu@unesco.org for permission.

<https://unesdoc.unesco.org/ark:/48223/pf0000380936>

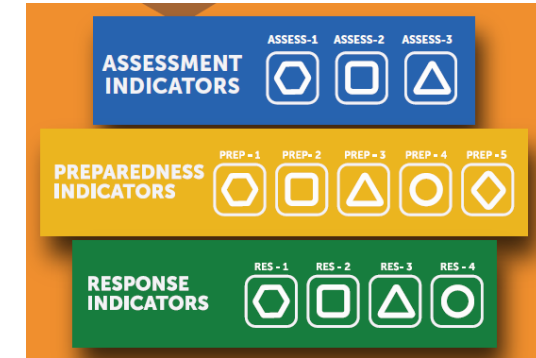


Tsunami Ready Boardgame

To introduce the 12 Tsunami Ready Indicators to the stakeholders



(12 + years)



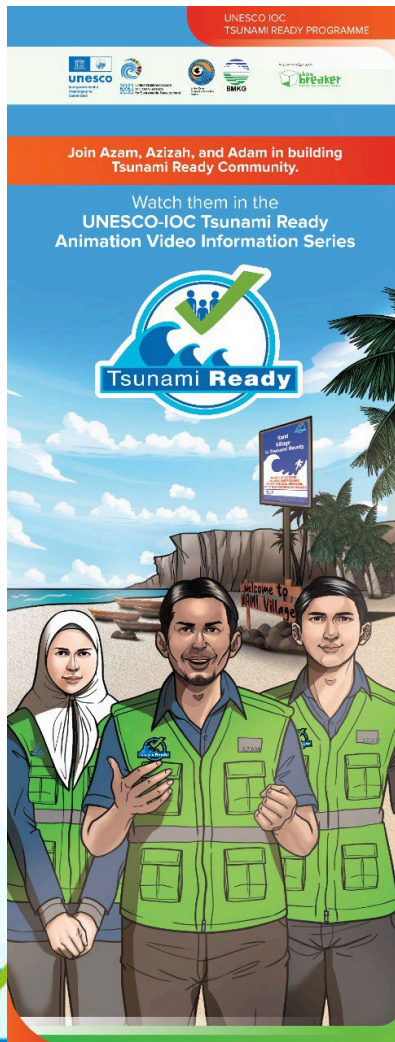
Cards 375 (± 300 questions, 75 instructions)

- Assessment : 3 Indicators x 25 question cards
- Preparedness : 5 Indicators x 25 question cards
- Response : 4 Indicators x 25 question cards
- Threat Cards : 25 Cards
- Opportunity Cards: 25 Cards
- Capacity Building Cards: 25 Cards

Could be played in different levels

1. Beginner (± 1 hour)
2. Middle (± 2 hours)
3. Advanced (≥ 2 hours)

Tsunami Ready Short Animation Video Series



Story line:

Following the journey of Azam, Azizah, and Adam in building their Village “Nami” to be a Tsunami Ready Community based on UNESCO-IOC Tsunami Ready Indicators



- Video 1: Tsunami Ready (an introduction) **+ 7:10 minutes**
- Video 2: Tsunami Hazard for Tsunami Ready Community **+ 8:02 minutes**
- Video 3: Knowing people at risk of tsunami **+ 4:48 minutes**
- Video 4: Resource and capacity for Tsunami Ready Community **+ 6:57 minutes**
- Video 5: Public Tsunami Information in Community **+ 5:32 minutes**
- Video 6: Tsunami Evacuation Map for the community **+ 5:15 minutes**
- Video 7: Public Awareness and Education Resources **+ 5:07 minutes**
- Video 8: Outreach Activities in Tsunami Ready Community **+ 4:39 minutes**
- Video 9: Community Tsunami Exercise **+ 6:49 minutes**
- Video 10: Community Tsunami Emergency Operation Plan **+ 5:28 minutes**
- Video 11: Building Capacity in community for Emergency Response **+ 7:50 minutes**
- Video 12: Linking the Community to the Tsunami Warning Chain **+ 4:40 minutes**
- Video 13: Providing warning to the community **+ 5:27 minutes**
- Video 14: Getting Tsunami Ready Recognition **+ 6:50 minutes**

Tsunami Ready Online Lecture Series Recording



FB IOTIC : <https://www.facebook.com/iotsunami>

IG IOTIC : <https://www.instagram.com/iotsunami/>

YouTube IOTIC: <https://www.youtube.com/user/iotsunami>

Twitter IOTIC : <https://twitter.com/iotsunami>



Tsunami Ready Tools Link



<https://linktr.ee/tsunamiready>



Thank you



***IOC/UNESCO Indian Ocean Tsunami Information Centre
IOTIC-BMKG Programme Office***

***Disaster Risk Reduction and Tsunami Information Unit
UNESCO Jakarta Office***

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