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**Intergovernmental
Oceanographic
Commission**

UNESCO-IOC Tsunami Ready Communication Tools

ICG/IOTWMS WG-1 Meeting
12-13 July 2022

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1 Manuals and Guides

Manual and Guide No 74

Intergovernmental Oceanographic Commission
Manuals and Guides



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74

**Standard Guidelines for the Tsunami
Ready Recognition Programme**

UNESCO

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

Manual and Guide No 82



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



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.

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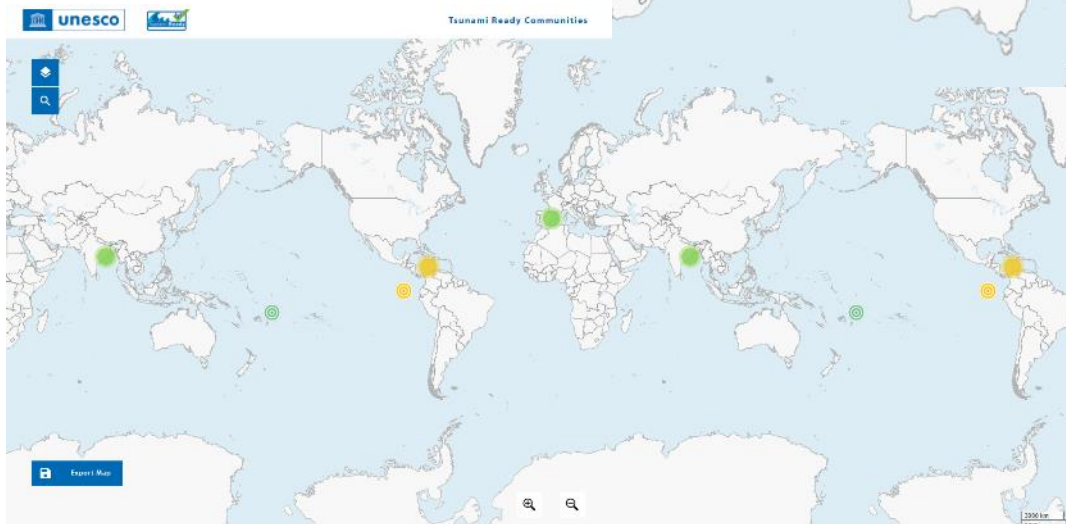


2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

2 Tsunami Ready Viewer



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



3 Tsunami Ready E-Posters

UNESCO/IOC TSUNAMI READY RECOGNITION PROGRAMME 

A voluntary international community-based programme

Active collaboration of the community, community leaders, warning centre, and local and national emergency management agencies

The concept of readiness through actions to meet 12 key indicators

Part of an end-to-end tsunami early warning and mitigation system with a particular focus on building resilient communities through awareness and preparedness strategies



Intergovernmental Oceanographic Commission

UNESCO/IOC TSUNAMI READY RECOGNITION PROGRAMME 

Bringing the ownership of preparedness to the community

Ensures structural, systematic, and sustainable approach in building community preparedness

Strengthen preparedness for other hazards

Improves community pre-planning



Intergovernmental Oceanographic Commission

UNESCO/IOC TSUNAMI READY RECOGNITION PROGRAMME 

CONTRIBUTES TO GLOBAL FRAMEWORKS :



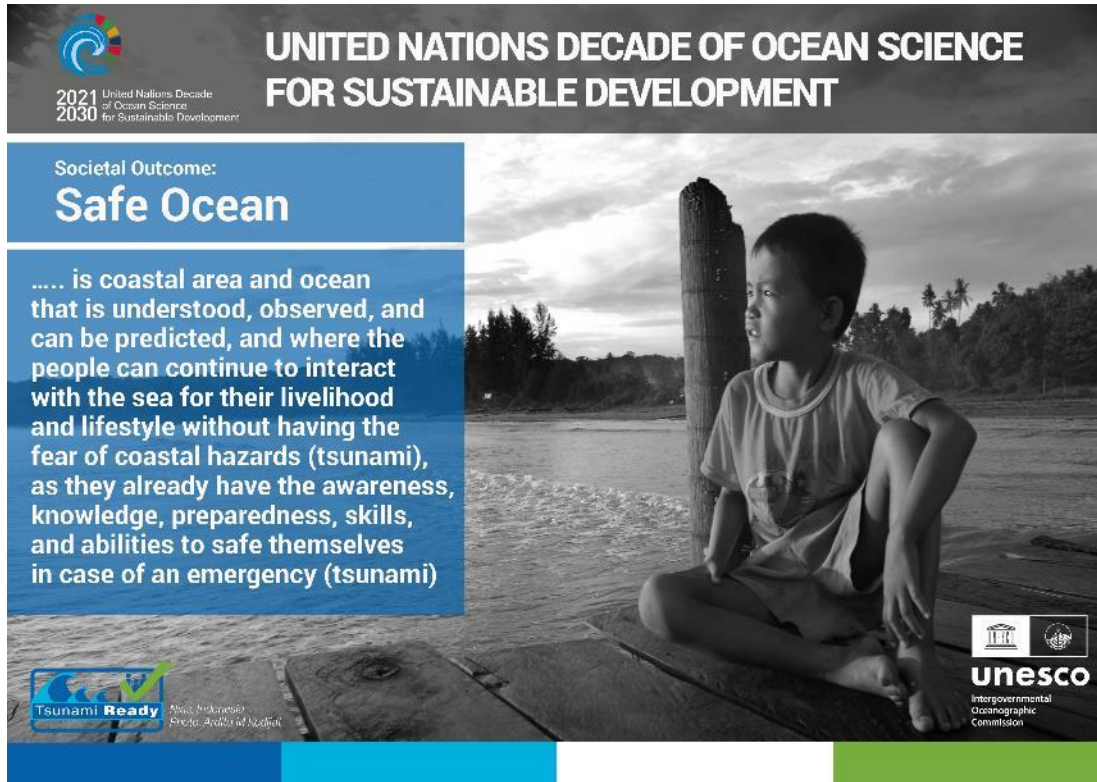
SDG **SFDRR** **UNDOS**



Intergovernmental Oceanographic Commission

E-Posters Tsunami Ready Introduction

3 Tsunami Ready E-Posters




UNITED NATIONS DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT

2021 United Nations Decade of Ocean Science for Sustainable Development 2030

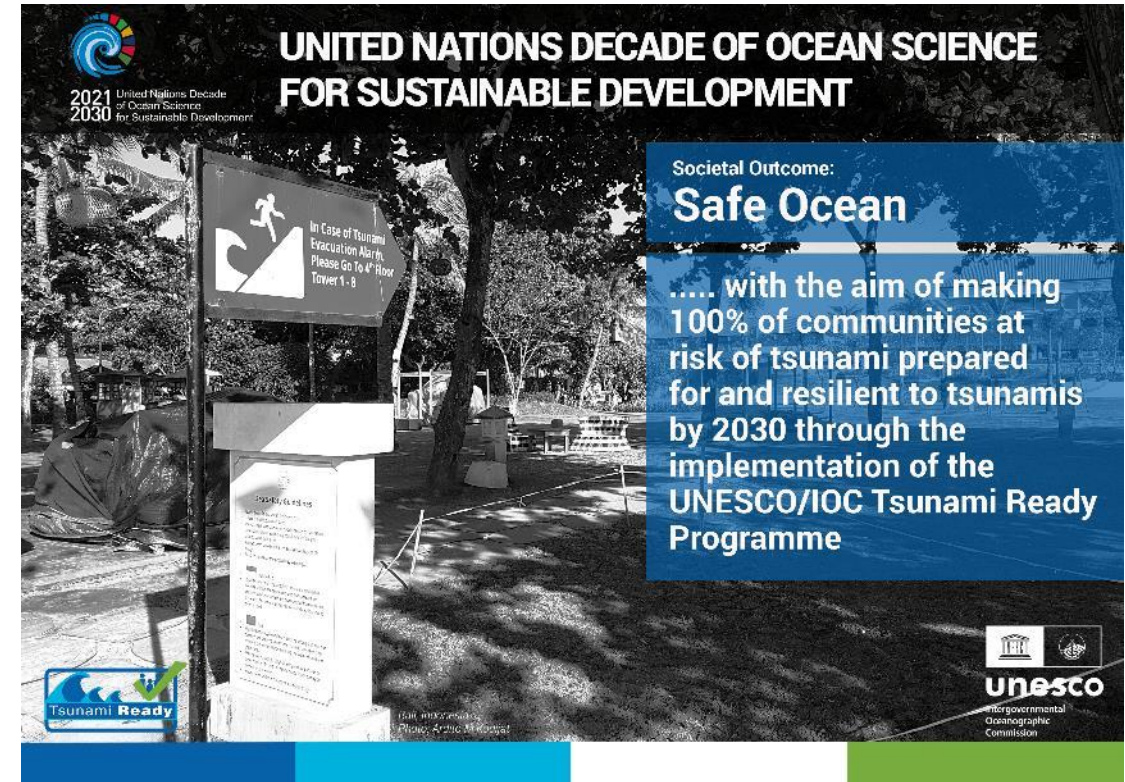
Societal Outcome:
Safe Ocean

..... is coastal area and ocean that is understood, observed, and can be predicted, and where the people can continue to interact with the sea for their livelihood and lifestyle without having the fear of coastal hazards (tsunami), as they already have the awareness, knowledge, preparedness, skills, and abilities to safe themselves in case of an emergency (tsunami)

Tsunami Ready
Bhasi, Indrasena
Dreco, Ardita and Nofriati



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UNITED NATIONS DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT

2021 United Nations Decade of Ocean Science for Sustainable Development 2030

Societal Outcome:
Safe Ocean

..... with the aim of making 100% of communities at risk of tsunami prepared for and resilient to tsunamis by 2030 through the implementation of the UNESCO/IOC Tsunami Ready Programme

Tsunami Ready
Bhasi, Indrasena
Dreco, Ardita, M. Kholiqat



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E-Posters Tsunami Ready In UN Ocean Decade

3 Tsunami Ready E-Posters

GET YOUR COMMUNITY TSUNAMI READY


UNESCO/IOC Tsunami Ready Indicators



1 ASSESSMENT 1
Tsunami hazard zones are mapped and designated

GET YOUR COMMUNITY TSUNAMI READY


UNESCO/IOC Tsunami Ready Indicators



4 PREPAREDNESS 1
Easily understood tsunami evacuation maps are approved

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



7 PREPAREDNESS 4
Outreach or educational activities are held at least three times a year

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



9 RESPONSE 1
A community tsunami emergency response plan is approved

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



10 RESPONSE 2
The capacity to manage emergency response operations during a tsunami is in place

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



2 ASSESSMENT 2
The number of people at risk in the tsunami hazard zone is estimated

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



5 PREPAREDNESS 2
Tsunami information including signage is publicly displayed

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



8 PREPAREDNESS 5
A community tsunami exercise is conducted at least every two years

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



11 RESPONSE 3
Redundant and reliable means to timely receive 24-hour official tsunami alerts are in place

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



12 RESPONSE 4
Redundant and reliable means to timely disseminate 24-hour official tsunami alerts to the public are in place

GET YOUR COMMUNITY TSUNAMI READY

UNESCO/IOC Tsunami Ready Indicators



3 ASSESSMENT 3
Economic, infrastructural, political, and social resources are identified

GET YOUR COMMUNITY TSUNAMI READY


UNESCO/IOC Tsunami Ready Indicators



6 PREPAREDNESS 3
Outreach and public awareness and education resources are available and distributed

E-Posters Tsunami Ready Indicators

3 Tsunami Ready E-Posters



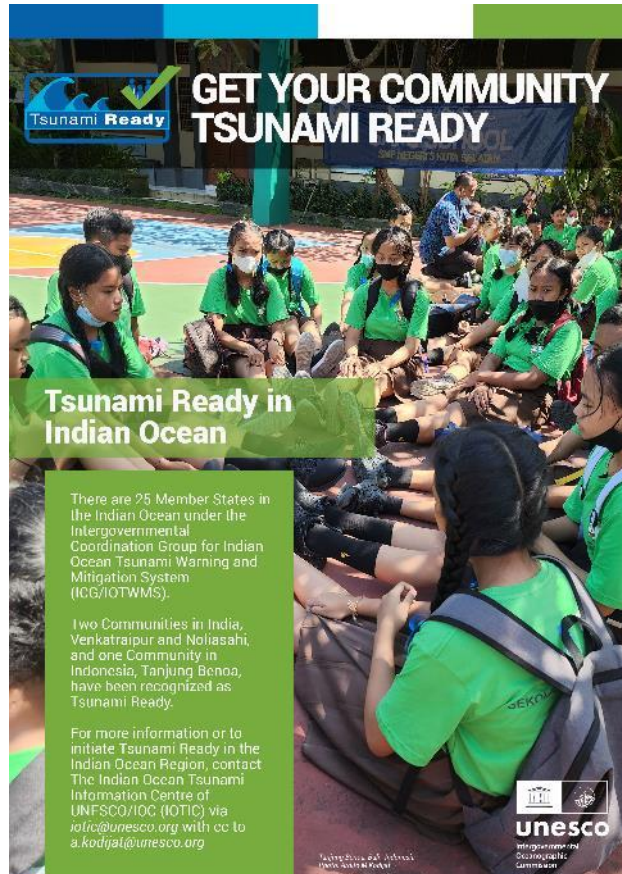
GET YOUR COMMUNITY TSUNAMI READY

Tsunami Ready in The Caribbean

The UNESCO/IOC-led Intergovernmental Coordination Group for the Tsunami and Other Coastal Hazards Warning System for the Caribbean and Adjacent Regions comprises 48 Member States and Territories and several partners.

Some 15 communities in 12 countries are recognized as Tsunami Ready. More communities are implementing Tsunami Ready through collaboration by national and community authorities, the UNESCO/IOC Caribbean Tsunami Information Centre, donors, regional partners and other stakeholders.

For more information or to initiate Tsunami Ready in the Caribbean, contact CTCIC via ctcic@unesco.org, with cc to s.brome@unesco.org


GET YOUR COMMUNITY TSUNAMI READY

Tsunami Ready in Indian Ocean

There are 25 Member States in the Indian Ocean under the Intergovernmental Coordination Group for Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS).

Two Communities in India, Venkataipur and Nollasahi, and one Community in Indonesia, Tanjung Benoa, have been recognized as Tsunami Ready.

For more information or to initiate Tsunami Ready in the Indian Ocean Region, contact The Indian Ocean Tsunami Information Centre of UNESCO/IOC (IOTIC) via iofic@unesco.org with cc to a.kodijat@unesco.org



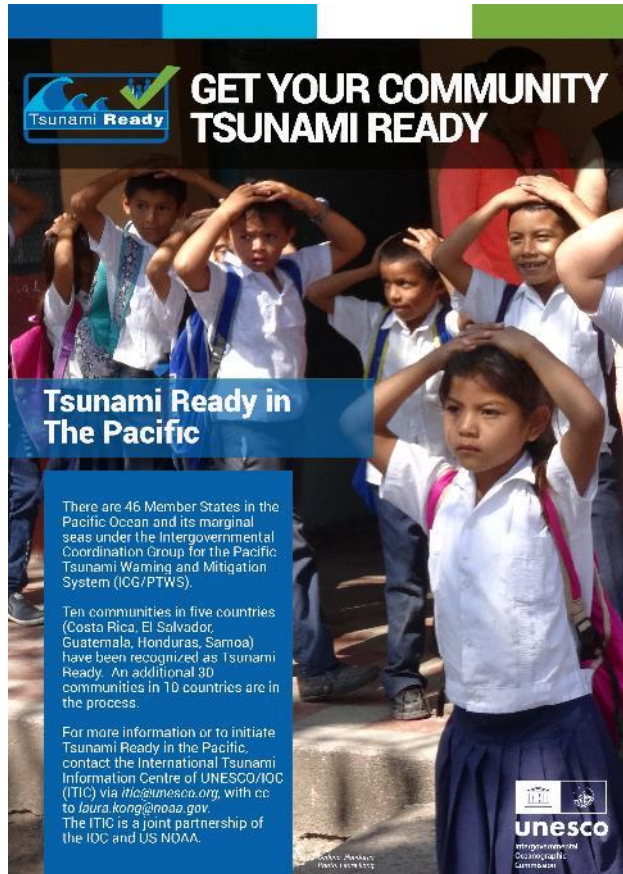

GET YOUR COMMUNITY TSUNAMI READY

Tsunami Ready in Northeast Atlantic and The Mediterranean Seas

There are 40 North-Eastern Atlantic, Mediterranean and connected Seas (NEAM) Member States under the Intergovernmental Coordination Group for North-Eastern Atlantic, Mediterranean and connected seas Tsunami Warning and Mitigation System (ICG/NEAMTWS).

Italy, Spain, France, Turkey, Malta, Cyprus, Morocco, Egypt and Greece are in process of implementing the ICG-UNESCO Tsunami Ready Programme.

For more information or to initiate Tsunami Ready in the NEAM, contact The North Eastern Atlantic, Mediterranean and connected seas Tsunami Information Centre of IOC-UNESCO (NFAM IIC) via d.chang-seng@unesco.org


GET YOUR COMMUNITY TSUNAMI READY

Tsunami Ready in The Pacific

There are 46 Member States in the Pacific Ocean and its marginal seas under the Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System (ICG/PTWS).

Ten communities in five countries (Costa Rica, El Salvador, Guatemala, Honduras, Samoa) have been recognized as Tsunami Ready. An additional 30 communities in 10 countries are in the process.

For more information or to initiate Tsunami Ready in the Pacific, contact the International Tsunami Information Centre of UNESCO/IOC (ITIC) via itic@unesco.org, with cc to laura.kong@noaa.gov. The ITIC is a joint partnership of the IOC and US NOAA.

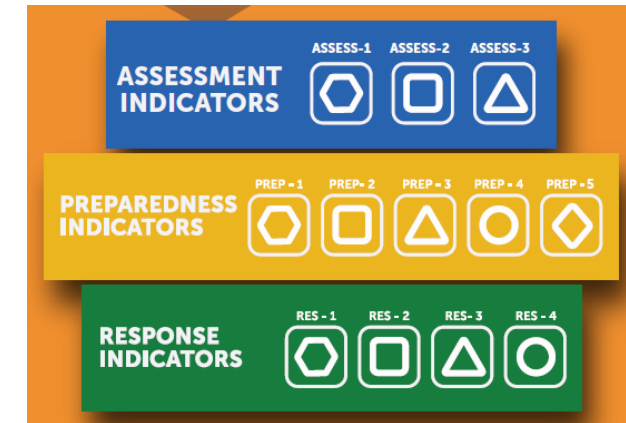


E-Posters Tsunami Ready In the ICG Regions

4 Tsunami Ready Boardgame



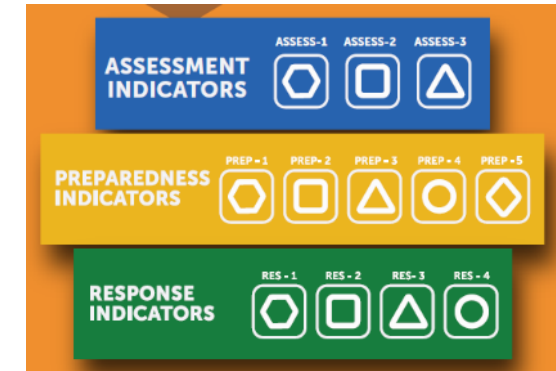
To introduce the 12 Tsunami Ready Indicators to the stakeholders (12 + years)



Cards 375 (\pm 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

4 Tsunami Ready Boardgame



Could be played in different levels

1. Beginner (\pm 1 hour)
2. Middle (\pm 2 hours)
3. Advanced (\geq 2 hours)

4 Tsunami Ready Boardgame



Dimension (in cm)
Weight: 2,1 kg



Cost of production :
± 60 USD / game

Plan:

- To be introduced and limited sharing at the Innovation Platform at the GPDRR 2022 in Bali
- To be shared to IOMS at ICG/IOTWMS meeting

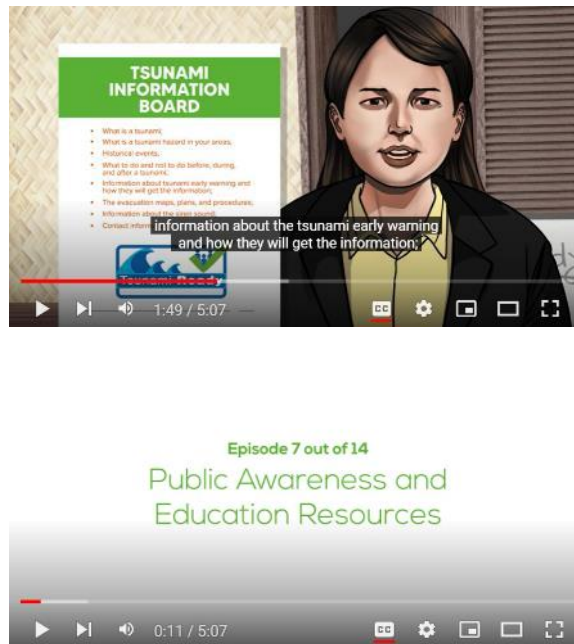
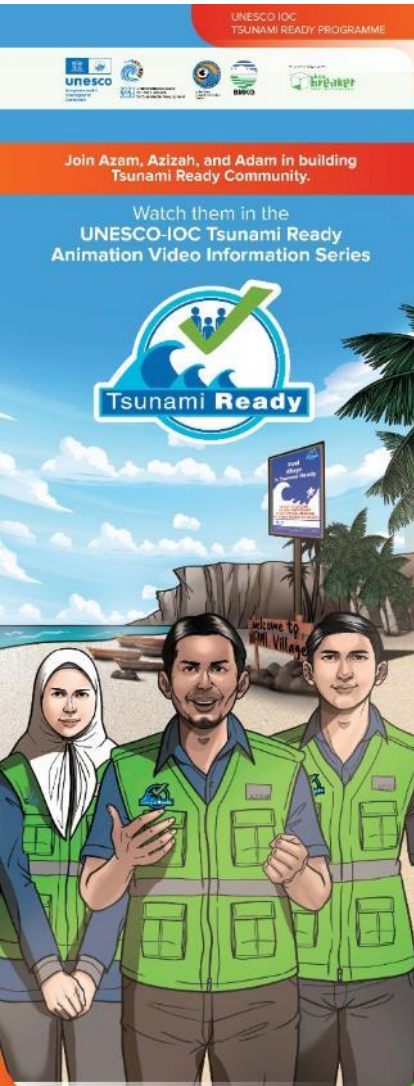
Available:

200 games in English
200 games in Indonesian

5 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**

IOTIC YouTube Channel: <https://www.youtube.com/channel/UCFSPN4dJXOvFrMIkmlQdumQ>

Playlist: <https://www.youtube.com/playlist?list=PLDzuUvIHTe3BLFcGDXOAKwCcdTQ6VngH>

6 Tsunami Ready Online Lecture Series (2020)

Tsunami Ready Online Lecture Series Recording



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Thank you



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IOTIC-BMKG Programme Office***

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

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