



*Training/Workshop on  
Tsunami Evacuation Maps, Plans, and Procedures and  
the UNESCO-IOC Tsunami Ready Recognition Programme for the Indian Ocean Member States  
Hyderabad - India, 15-23 April 2025*

# UNESCO-IOC Tsunami Ready Recognition Programme

## TRRP 01: Introduction

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*Acknowledgement:*

- Ardito M Kodijat, IOTIC IOC-UNESCO
- Dr. Laura Kong, IOTIC IOC-UNESCO
- Tony Elliott, IOC-UNESCO Consultant

# UN Ocean Decade of Ocean Science for Sustainable Development



UN Decade of  
Ocean Science  
for Sustainable  
Development  
2021-2030

## The Ocean We Need for the Future We Want



### Societal Outcomes

- A Clean Ocean
- A Healthy and Resilient Ocean
- A Productive Ocean
- A Predicted Ocean
- **A Safe Ocean**
- An Accessible Ocean
- An Inspiring and Engaging Ocean



[Video on Ocean Decade:](#)

[Video on OD Safe Ocean:](#)

# 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



# The UNESCO-IOC Tsunami Ready Recognition Programme

- Tsunami Ready Recognition Programme is a community performance-based programme that facilitates tsunami preparedness as an active collaboration of the community, community leaders, and national and local emergency management agencies.
- The main goal of the programme is to improve coastal community preparedness for tsunami emergencies, to minimise the loss of life, livelihoods and property, and to ensure a structural and systematic approach in building community preparedness.

- **STRATEGY:**

Be Aware,  
Be Prepared

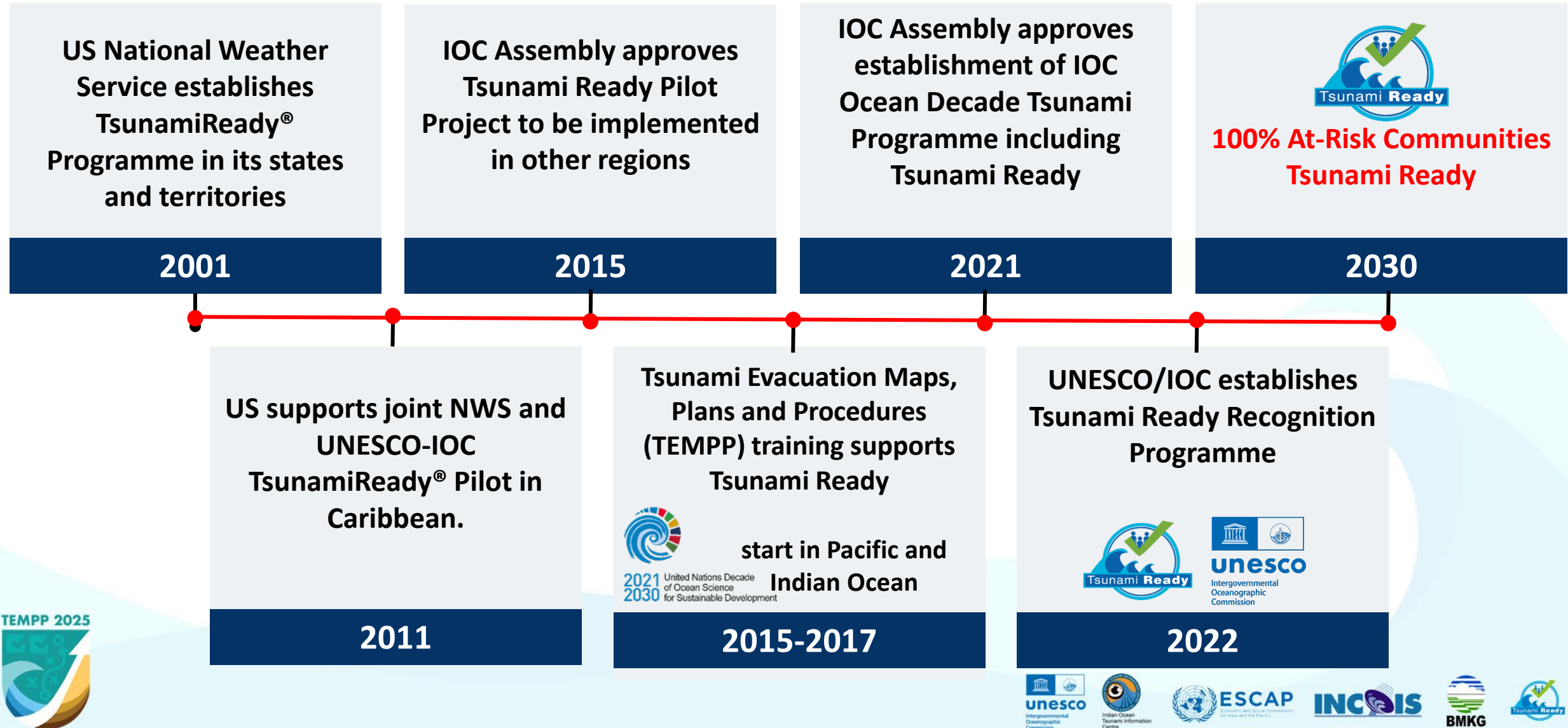
- **ACTION:**

National programmes  
empower communities





# History of Tsunami Ready Programme



# UNESCO IOC Tsunami Ready Approach

- Bring the ownership of preparedness to the community
- Ensure structural and systematic approach in building community preparedness
- A collaborative effort to achieve a level of tsunami preparedness through the fulfilment of a set of established best practice guidelines and indicators
- Tsunami Ready is implemented on a voluntary basis and entails a “bottom-up” process with the community taking the initiative to build its own capacity. This approach ensures ownership of the process that strengthens its sustainability



# 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	
<b>I</b>	<b>ASSESSMENT (ASSESS)</b>
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
<b>II</b>	<b>PREPAREDNESS (PREP)</b>
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
<b>III</b>	<b>RESPONSE (RESP)</b>
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



# Why apply for Tsunami Ready recognition?

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



# 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

# IOC-UNESCO Tsunami Ready Recognition Programme

## COMMUNITY-BASED

Based on community performance-based programme.



## 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, NTCW, NDMO, LDMO, Universities, NGOs and CSOs

## CREATE OWNERSHIP

Best practice guidelines and recognition as tsunami prepared community

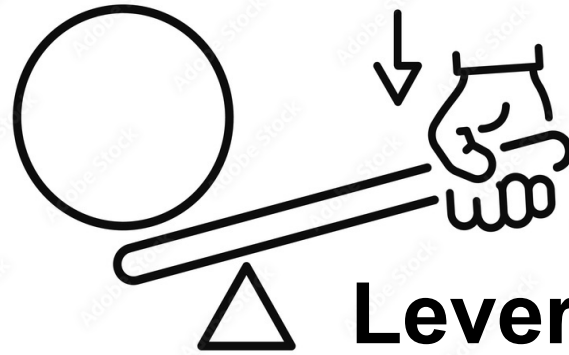




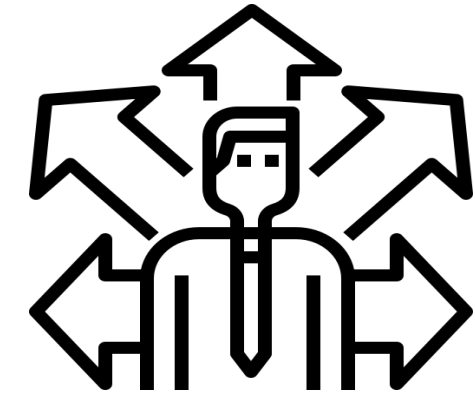
# What Tsunami Ready Recognition Means to the Community



**Prestige**



**Leverage**



**Opportunity**



**Motivation**

# 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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