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Intergovernmental
Oceanographic
Commission

UNESCO-IOC Tsunami Recognition Programme

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Implementation ICG/IOTWMS*

*North-West Indian Ocean Regional Workshops on
Tsunami Inundation Mapping and Evacuation Planning
Muscat, 21-25 April 2024*

Tsunami Ready Program



Safe Ocean: life and livelihoods are protected from ocean-related hazards

- On 5 December 2017, the United Nations declared that a Decade of Ocean Science for Sustainable Development would be held from 2021 to 2030 (Ocean Decade)
- In June 2022, the UNESCO-IOC Assembly approved the establishment of the IOC Ocean Decade Tsunami Programme to contribute to the outcome “A Safe Ocean” of the Ocean Decade, with the aim of making: **100% communities at risk of tsunami prepared for and resilient to tsunami by 2030 through the implementation of UNESCO/IOC Tsunami Ready Program**

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 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 Approaches

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

CREATE OWNERSHIP

Best practice guidelines and recognition as tsunami prepared community

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INDIA:

1. Venktraipur (August, 7th 2020)
2. Noliasahi (August, 7th 2020)

INDONESIA:

1. Tanjung Benoa Village (May, 28th 2022)
2. Glagah Village (December, 26th 2022)
3. Kemadang Village (November, 26th 2022)
4. Pangandaran Village (December, 26th 2022)
5. Panggarangan Village (November, 26th 2022)
6. Desa Tambakrejo (November, 26th 2022)
7. Kuta Mandalika Village (December, 26th 2022)
8. Purus Village (December, 26th 2022)
9. Lolong Belanti Village (December, 26th 2022)

Tsunami Ready

INDONESIA

Purus Village
Lolong Belanti Village
Panggarangan Village
Pangandaran Village
Glagah Village
Tanjung Benoa Village
Kemadang Village
Tambakrejo Village
Kuta Mandalika Village

Strategies to Achieve 100% Tsunami Ready

- Program Allianse
 - Mapping and Synergize the Capacity Development Activities.
 - Prioritize the communities to be advocated
- Utilizing the existing program
 - Optimize the existing program as a platform to develop Tsunami Ready Program
- Endorse Private Sectors to accelerate Communities to work together with the private sector as part of their ecosystem to develop the Tsunami Ready
- Strengthen Local Context for Communities in the remote area
 - Involvement of Local Wisdom/knowledge as a Value and an Instrument for EW4All
 - Create Local Champions Leadership for Early Warning Sustainability



Evacuation shelter for tsunami in the Yogyakarta International Airport (YIA) that also used by the community surrounding as the evacuation place



Roof Top Hotel in Tanjung Benoa - Bali used by community as the evacuation place



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SEKOLAH LAPANG GEMPABUMI

METODE

- Paparan tentang potensi gempa bumi dan tsunami serta kesiapsiagaan menghadapinya
- Diklat kelompok mengidentifikasi peran masyarakat setempat
- Table Top Exercise (TTX) simulasi dengan skenario gempa bumi dan tsunami

TUJUAN & SASARAN

Tujuan: Meningkatkan peran BPBD dan pemerintah setempat di daerah sebagai simpul komunitas agar dapat memahami informasi gempa bumi dan peringatan dini tsunami

Sasaran: BPBD, Masyarakat, Sekolah, Aparat dan Media di wilayah rawan gempa bumi dan tsunami

MANFAAT

- BPBD dan pemerintah setempat memahami informasi gempa bumi dan peringatan dini tsunami dari BMKG
- Masyarakat sadar dan terampil menghadapi ancaman gempa bumi dan tsunami di wilayahnya
- Media dapat berperan dalam meningkatkan dini tsunami

PELAKSANAAN SLG

2016	10 Kota / Kabupaten
2017	23 Kota / Kabupaten
2018	1 Kota
2019	2 Kota
2020	30 Kota / Kabupaten
2021	30 Kota / Kabupaten
2022	18 Kota / Kabupaten

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Existing Program of Earthquake and Tsunami School as a platform for Tsunami Ready Program in Indonesia

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THANK YOU