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**Intergovernmental
Oceanographic
Commission**

**UNESCO-IOC
IOTWMS**

World Tsunami Awareness Day

ICG/IOTWMS 13th Meeting
28 November – 2 December 2022

Ardito M. KODIJAT

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UNESCO Office Jakarta
Indian Ocean Tsunami Information Centre of IOC-UNESCO
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1. WTAD National Activities

2. UNESCO-IOC – UNDRR WTAD Videos* (collaboration UNESCO-IOC and UNDRR)

Coordinated by UNESCO-IOC Tsunami Unit, Paris - 2020 – now

Playlist: https://www.youtube.com/playlist?list=PLWuYED1WVJIO3g5f7y_aDXtX7LVHDmoOn

3. UNESCO-IOC WTAD Events - Workshops/Webinars

Organized in each ICGs

** Some of the criteria for the UNESCO-IOC and UNDRR WTAD videos are:*

- 1. This videos are very short, not longer than 2 minutes.*
- 2. The videos is based on existing and available high-quality footage. There will not be any video shooting on location.*
- 3. The video will follow the UNESCO-IOC and UNDRR WTAD video format.*
- 4. (in Indian Ocean) IOTIC and ICG/IOTWMS secretariat and the partner(s) will develop the script for the short video.*
- 5. UNDRR will hire a consultant to do the editing of the footages based on input and guidance of UNESCO-IOC.*

WTAD Theme

2019



WTAD in IOTWMS 2019 – 2021

Workshops-Webinars



Indian Ocean
Tsunami Information
Centre

2019



Indian Ocean Regional Workshop to Commemorate 15th year Tsunami Aceh and World Tsunami Awareness Day 2019
Strengthening Tsunami Warning Chain to Critical Infrastructure (Ports, Harbours, and Coastal Airports)
20 - 22 November 2019 | Jakarta - Indonesia

The aim of the workshop is to facilitate critical discussions on:

- Tsunami vulnerability of critical infrastructures (ports, harbours, and coastal airports)
- Building tsunami preparedness in ports, harbours, and coastal airports
- Strengthening tsunami early warning chain to critical infrastructures
- Tsunami guide and plan for ports, harbours, and coastal airports operators



Ir. Budi Karya Sumadi
Minister of Transportation



Ir. Polana B. Pramesti, M.Sc.
General Director of Civil Aviation



Prof. Ir. Dwikorita Karnawati, M.Sc., Ph.D.
Head of Meteorology, Climatology and Geophysics Agency



Ardito M. Kodijat
Head of IOTIC - UNESCO



Dr. Wido Kongko
Researcher of Technology Assessment and Application Agency



Mr. Ikeda Tetsuro
JICA Expert on Port Development Policy Advisor at NPO, Japan



Ir. Harkunti Perwati Rahayu Ph.D.
Chairwoman of the Indonesian Disaster Experts Association



Prof. Akiko Yamanaka
President of the International Tsunami Disaster Prevention Society



Dr. Srinivasa K. Tummala
Head of UNESCO/IOC/OTRMS Secretariat

Topics to be covered:

Session 1

- Lessons learnt from Japan, Indonesia and the region on the impact of tsunamis to critical infrastructure facilities, focusing on ports, harbours, and coastal airports.
- Discuss best practices of ports, harbours, and coastal airports in tsunami preparedness.

Session 2

- Issues (gaps, challenges, and complexities) of tsunami risk in ports, harbours, and coastal airports (addressing the concern of near-field and distant tsunami).
- Tsunami guide and plan for ports, harbours, and coastal airports operators
- Building and strengthening warning chain to ports, harbours, and coastal airports.
- Tsunami early warning Standard Operating Procedures in ports, harbours, and coastal airports.

Session 3

- Mitigation and tsunami preparedness plan in ports, harbours, and coastal airports.

2020

2020 World Tsunami Awareness Day
Tsunami Ready in Indian Ocean Island States Regional Webinar
4 November 2020
14.00-17.30 Jakarta time

The objective of this webinar is to provide broad understanding of the IOC-UNESCO Tsunami Ready program and to discuss the challenges, gaps, and needs to implement the Tsunami Ready indicators in Indian Ocean Island States. The topic will cover but are not limited to:

- IOC-UNESCO Tsunami Ready community recognition program and indicators
- National Reports on community preparedness programs and activities in Indian Ocean Island States
- Discussion on the challenges and needs to implement Tsunami Ready
- Development of an implementation plan for Tsunami Ready communities

AGENDA

14.00-14.15 Opening
14.20-14.50 Introduction to UNESCO-IOC Tsunami Ready Recognition Program
14.55-16.35 National Reports on Tsunami Preparedness: Programs, Activities, Challenges, Gaps and Needs
16.40-17.20 Moderated Discussion on the Challenges and Needs to implement Tsunami Ready in Indian Ocean Island States
17.20-17.30 Closing

REGISTER



For more information, please contact:
Ardito Kodijat, National Professional Officer, Indian Ocean Tsunami Information Centre (IOTIC), IOC-UNESCO (a.kodijat@unesco.org)

2021

Indian Ocean World Tsunami Awareness Day Webinar
International Cooperation: A Strategic Pathway for the Indian Ocean Tsunami Warning and Mitigation System within the Context of UN Decade or Ocean Science
5 NOVEMBER
Wednesday
10
November 2021
07:00 – 10:30 (UTC)

Registration: <https://forms.office.com/r/33S0U0X0Q3>

Event website for the Indian Ocean WTAD webinar: <https://oceanexpert.org/event/3302>

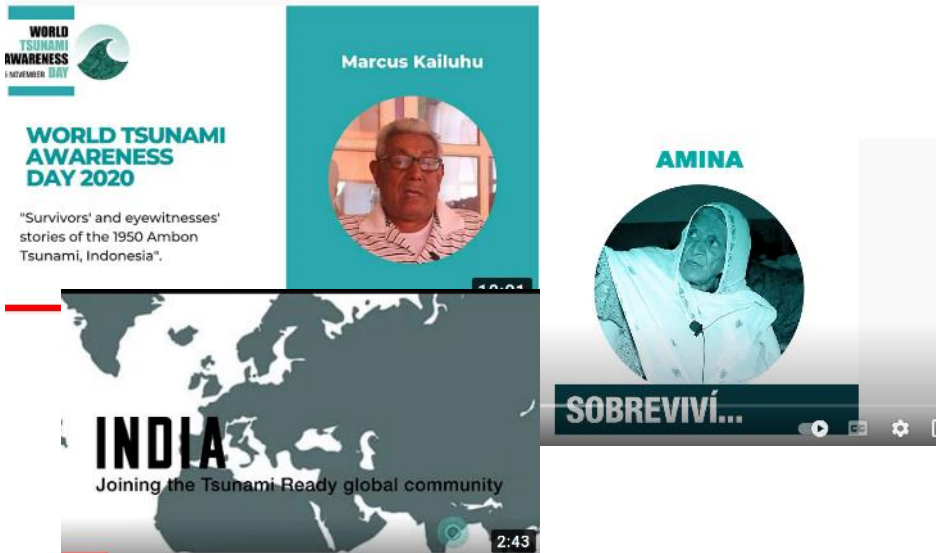
WTAD in IOTWMS 2019 – 2021

IOC – UNDRR Videos

2020

7 WTAD Videos of Survivors' and Eyewitness' Stories of the 1945 Makran Tsunami and 1950 Ambon Tsunami

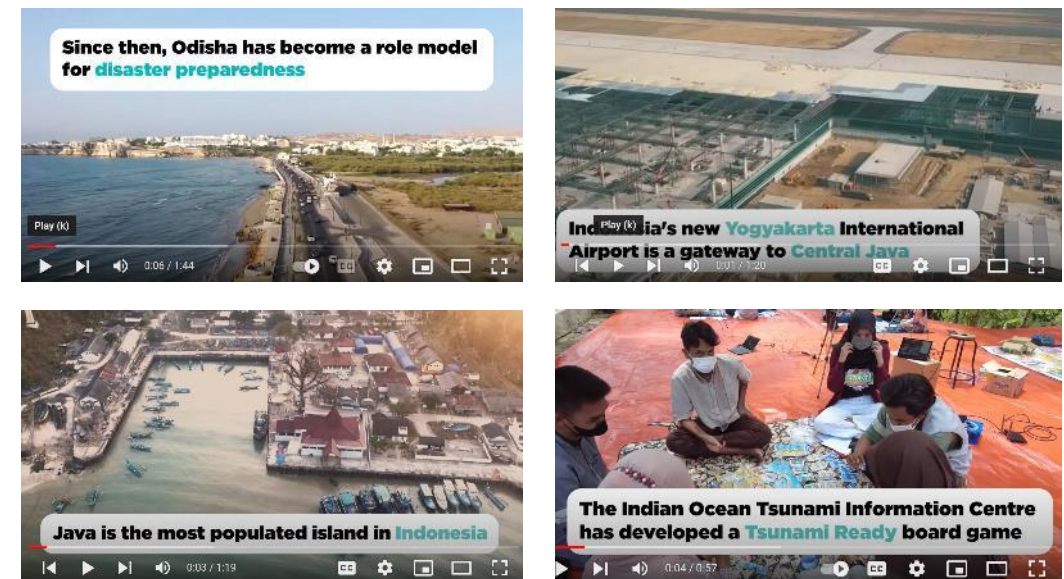
3 WTAD Videos Joining Tsunami Ready Global Community: India, Oman, and Indonesia



2021

4 WTAD Videos

- Odisha Tsunami Ready Community
- New Jogjakarta Tsunami Ready Airport
- Tsunami Ready Activity in Lebak
- Tsunami Ready Boardgame



WTAD in IOTWMS - 2021



A total of 79 videos were successfully submitted by participants from 9 countries:

- Bangladesh 3,
- India 5,
- Indonesia 24,
- Kenya 4
- Malaysia 12,
- Maldives 2,
- Pakistan 25,
- Seychelles 3, and
- Tanzania 2.

GROUP 1: Eastern Indian Ocean Region

- 1st Winner: Little Sea in Tompe by Sarah Adilah (Indonesia)
<https://drive.google.com/open?id=1Hi0SUE030j1vNNifBA-8qmHbXfDAOBWG>
- 2nd Winner: Living with the Sea by Vania Qanita Damayanti, Adrian Muhammad Fikri Suni & Nur Amri Firmansyah (Indonesia)
https://drive.google.com/open?id=1gGDLdL8D-g6eo_JX54lkWp47r6y3UNsg
- 3rd Winner: Atypical Tsunami and Solution by Muhyddin Aprizandy, Bobby Tegar Sanjaya & Muna Fauziah (Indonesia)
<https://drive.google.com/open?id=1Xb-m2xfbTKNOQfEOyc2PWWyUNTqjWK-2>

Group2 - Indian Ocean Small Island States

- 1st Winner: We Are Aware by Darius Ashvine Commettant, Shainarah Chandell Manisha Ragain & Ruth Abigail Nicole Henrie (Seychelles)
<https://drive.google.com/open?id=1RXKsj43e3iXIfEAGtrIISCuuQqEikRkH>
- 2nd Winner: Public Tsunami Awareness by Ahmed Yaeesh Shaheem (Maldives)
<https://drive.google.com/open?id=1e0-aJ4ztLH1aO-Te81k0U0LPZ30c7Pf>
- 3rd Winner: Tsunami the Incoming Threat by Melchizedek Solin (Seychelles)
https://drive.google.com/open?id=1vdHHMP_CKvcZ-zEpOLsMLXRdSGm2dYwM

Group3 - North Western Indian Ocean

- 1st Winner: Surviving Tsunami by Vandita Sariya (India)
<https://drive.google.com/open?id=1rKqrguYpKtqBUfi5D7jvIDXYzIWny8UK>
- 2nd Winner: Let's Buck Against the Wave by Aneeqa Bibi, Humera Khan & Sania Mehmood (Pakistan)
https://drive.google.com/open?id=1qtdLuNJBkXq_yrDFe1ugwJR55w1J3l
- 3rd Winner: Make Them Aware if You Care by Ayesha Nadeem (Pakistan)
<https://drive.google.com/open?id=1CZmUKsPVPBbwIDPoPlmCElv-V3F4SsiT>

Group4 - Western Indian Ocean region

- 1st Winner: Good Wave Intentions by Mahfudh Khamisi Omar (Kenya)
<https://drive.google.com/open?id=1w3YbJeHpLd4KHMclqR2exBpxdDysXiZ>
- 2nd Winner: Tsunami Exercise by Neema Tayai Mollel (Tanzania)
<https://drive.google.com/open?id=1f0eLL-wfWvAkFNmRg9iOarvABzdb5TbP>
- 3rd Winner: Do We Communicate Hazard and Risk of Tsunami by Yasin Ramadhan (Tanzania)
https://drive.google.com/open?id=1oR17PnAm2e-dpibot9UQQxgE-BeQR_Mc

INDIAN OCEAN YOUTH SHORT VIDEO COMPETITION ON TSUNAMI AWARENESS

Risk Communication For Tsunami Hazard - Webinar

Speakers:

- Dr. Harkunti Pertiwi Rahayu**
Chair of Working Group 1 of ICGITWMS,
Head of the Indonesian Disaster Expert Association (IADI),
Lecturer from Bandung Institute of Technology (ITB)
Focus Topic: *Public Tsunami Awareness*
- Mrs. Ghazala Na'em**
Tsunami Early Warning & Mitigation Expert - Pakistan
Focus Topic: *Community Tsunami Preparedness*

Saturday, 25 September 2021
13.00 - 15.10 GMT+7



INDIAN OCEAN YOUTH SHORT VIDEO COMPETITION ON TSUNAMI AWARENESS

Developing & Creating Impactful Tsunami Awareness Video - Webinar

Speaker:

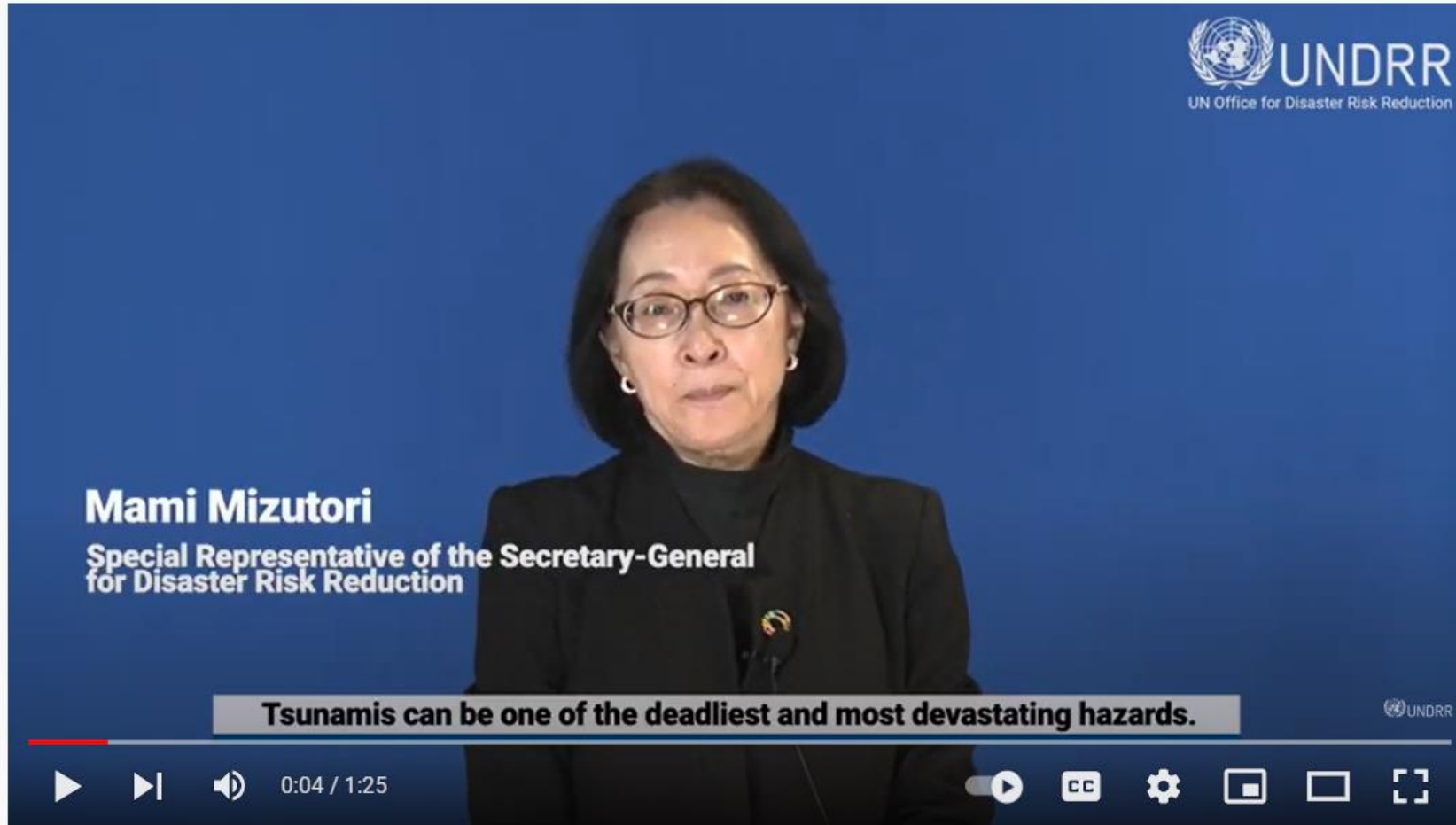
- Ms. Riani Singgih**
Documentary Filmmaker and Geomorphologist based in Indonesia.

Sunday, 26 September 2021
13.00 - 15.10 GMT+7



Temporary Link in Google Drive, videos will be moved to IOTIC Youtube Channel

WTAD 2022



UNDRR
UN Office for Disaster Risk Reduction

Mami Mizutori
Special Representative of the Secretary-General
for Disaster Risk Reduction

Tsunamis can be one of the deadliest and most devastating hazards.

0:04 / 1:25

UNDRR

<https://www.youtube.com/watch?v=C6gNAYL4RD8>

#TsunamiDay #GetToHighGround

Head of UNDRR's message on World Tsunami Awareness Day 2022

Target G:

Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to the people by 2030.

- G-1: Number of countries that have multi-hazard early warning systems.
- G-2: Number of countries that have multi-hazard monitoring and forecasting systems.
- G-3: Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms.
- G-4: Percentage of local governments having a plan to act on early warnings.
- G-5: Number of countries that have accessible, understandable, usable and relevant disaster risk information and assessment available to the people at the national and local levels.
- G-6: Percentage of population exposed to or at risk from disasters protected through pre-emptive evacuation following early warning. (Member States in a position to do so are encouraged to provide information on the number of evacuated people.)

WTAD in IOTWMS 2022

Workshops-Webinars



1 Day Online Indian Ocean Webinar Proposed topics for webinar:

Tsunami Early Warning for People with Special Needs* (Hearing-speaking and Visual Impairment)

- **People with Special Needs means someone, who during periods of emergency and/or evacuation, requires assistance due to being diffable** (Differently abled people) - physical impairment, mental impairment, cognitive impairment, or sensory disabilities. *Diffable: term use for someone who has a disability. The term focuses on what a person can do instead of the person's disability.*

Theme - Target G:

Increase the availability of and access to early warning systems to the people

The banner features a blue background with a white map of the Indian Ocean region. At the top, logos for UNESCO, IOTWMS, BMKG, and ESCAP are displayed. To the right, there are logos for "WORLD TSUNAMI AWARENESS DAY 5 NOVEMBER DAY" and "Tsunami Ready". The main text reads "INDIAN OCEAN TSUNAMI READY HYBRID WORKSHOP" in large, bold, white letters. Below this, the dates "22 - 26 November 2022" and the location "The Sakala Resort Hotel, Tanjung Benoa Bali - Indonesia" are listed. The bottom right corner features a stylized illustration of white waves crashing against a blue background.

WTAD 2022

IOC – UNDRR Videos



Friendly Community Technology to Support Indonesian Tsunami Early Warning

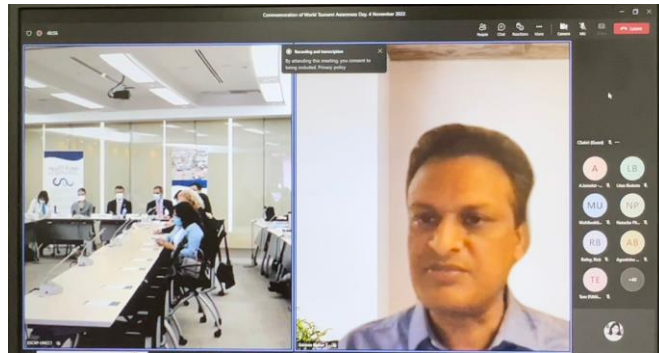
PUMMA: Perangkat Ukur Murah untuk Muka Air laut (Inexpensive Device for Sea Level Measurement)

https://www.youtube.com/watch?v=BERpfBfneJA&list=PLWuYED1WVJIO3g5f7y_aDXtX7LVHDmoOn&index=9

#TsunamiDay #GetToHighGround

Friendly community technology to support Indonesian tsunami early warning

WTAD-2022 (India)



- Director INCOIS delivered a talk on “Applying risk information to strengthen the preparedness and early action” for the event "World Tsunami Awareness Day 2022 in Asia-Pacific: Early Warning and Early Action Before Every Tsunami" jointly organized by UNDRR-ROAP, UNESCAP, UNDP-APRC, UNESCO-Jakarta.
- To improve the awareness on tsunamis, INCOIS observed an **OPENDAY** on World Tsunami Awareness Day of 2022. More than 200+ **School/college students and citizens** visited and witnessed the tsunami Warning Centre.
- Amrita School for Sustainable Development and INCOIS jointly conducted 2 events on World Tsunami Day, as a part of the **Tsunami Ready initiative** for school children & community members at **Kollam's village , Kerala**.
- On 05th Nov 2022, OSDMA in collaboration with INCOIS conducted Tsunami Mock drill to the 05 tsunami ready communities.

WTAD-2022 (Indonesia)



"Tsunami Fun Drill 2022"

KELURAHAN PURUS



Jumlah Peserta Mencapai 300 orang yang terdiri dari: 250 Warga Masyarakat, 50 Orang Stakeholder. Unsur-Unsur yg terlibat: Walikota, Sekretaris Daerah, Dansam, BPBD, Danramil, TNI, POLRI, KSB, Hotel Mercure Padang, Masyarakat Kelurahan Purus, Mahasiswa UNP, SDN 03, SDN 04, SDN 13, SDN 21

KELURAHAN LOLONG BELANTI



Jumlah Peserta Mencapai 1035 orang yang terdiri dari: 730 orang Siswa dan Guru Sekolah SMPN 7, 160 Orang Siswa dan Guru Sekolah SDN 15, 20 Orang BPBD Kota Padang, 30 Orang Satpol PP, 18 Orang Kelompok Siaga Bencana Langit Lolong Belanti, 10 Orang KPB Lolong Belanti, 10 Orang TNI/Polri, 50 Orang Masyarakat, 2 Orang Disabilitas. Unsur-Unsur yg terlibat: Dihadiri oleh Walikota Padang, Sekda Kota Padang, Kepala Pelaksana BPBD Kota Padang

DESA TAMBAKREJO



Jumlah Peserta Mencapai 130 orang yang terdiri dari: 2 Orang BPBD, 4 Orang Ketua RW/Rw, 5 Orang Perangkat Desa Tambakrejo, 15 Orang FPRB Desa Tambakrejo, 50 Orang Masyarakat (termasuk kelompok rentan), 32 Orang SMPN 4 Sumbermanjing, 6 Orang BMKG, 8 Orang Pedagang, 10 Orang Nelayan.

DESA KUTA MANDALIKA



Jumlah Peserta Mencapai 166 orang yang terdiri dari: Masyarakat Desa Kuta 30 orang, ITDC, 7 orang, BPBD Kab. Lombok Tengah 5 orang, SD Negeri 2 Kuta 79 orang, Novotel Lombok Resort & Villas 30 orang, Pullman Lombok Meruani Mandalika Beach Resort 9 orang, Sekretaris Desa Kuta 1 orang, Kepala Dusun 3 orang, Babinsa 1 orang, Babinkamtibmas 1 orang

BANDARA INTERNASIONAL YOGYAKARTA



Bandara Internasional Yogyakarta dilibatkan dalam Kegiatan Simulasi Gempabumi dan Tsunami untuk menjadi tempat evakuasi warga Kelurahan Glagah.

BANDARA INTERNASIONAL MINANGKABAU



Bandara Internasional Minangkabau melaksanakan simulasi gempabumi dan tsunami dengan total peserta mencapai 1000 Orang.

INDONESIA

9 KELURAHAN / DESA 2 BANDARA

LEBIH DARI 3500 PESERTA

12 HOTEL & VILA



KELURAHAN TANJUNG BENOA



Peserta Lebih Dari 300 orang Unsur-Unsur yg terlibat: SDN 1 Tanjung Benoa, 11 Hotel dan Villa, Perwakilan 6 Banjar Adat, Perwakilan 17 Watersport, karang tanana: perwakilan LPM, Komunitas Teluk Benoa, Forum Masyarakat Pendatang, Forum Peduli Mangrove, Pecalang desa adat tanjung benoa dan tengkulung, Linmas, Bakamda, Babinsa, Babinkamtibmas, Disabilitas, kelompok nelayan tradisional dan tanjung benoa, Klinik Umum dan puskesmas Pembantu, BPBD, seluruh anggota FPRB Tanjung benoa

DESA PANGGARANGAN



Jumlah Peserta Mencapai 200 orang yang terdiri dari: 10 Orang Gerakan Masyarakat dan Siaga Bencana Desa, 3 Orang Jaringan Internasional Cooperation Agency (JICA), 1 Orang Perangkat Desa Panggarangan, 5 Orang Relawan Gugus Mitigasi Lebak Selatan (GMLS), 170 Sisiwari dan Guru, SDN 3 Panggarangan, 2 Siswa SBK, 1 Orang Polisi Panggarangan, 4 Orang BMKG, 1 Orang TNI AL, 3 Orang PMI.

DESA PANGANDARAN



Jumlah Peserta Mencapai 161 orang antara lain: BPBD 15 orang, Ketua RW/Rw: 30 orang, Perangkat Desa Pangandaran 10 orang, FKDM Desa Pangandaran 15 orang, SDN 5 Pangandaran 32 orang, SDN 6 Pangandaran 32 orang, Polsek Pangandaran 3 orang, Komunitas jaja lebak 5 orang, SAR MITA 5 orang, BMKG 4 orang, Pedagang 4 orang, Sigap persis 2 orang, Dishub 2 orang, Basarnas 2 orang.

KALURAHAN GLAGAH



Peserta mencapai 300 orang yang terdiri dari: Warga: 150 orang, Wisatawan Pantai Glagah Indah: 50 orang, sekolah: 100 orang) Unsur-Unsur yg terlibat: SDN 1 dan 3, Bandara YIA, Satlinmas Rescue Kulonprogo, BPBD kab. Kulonprogo, BMKG (Satnet YIA dan Stagesi Siemati), Wisatawan dan nelayan pantai Glagah, TNI dan Poli

KALURAHAN KEMADANG



Jumlah Peserta Mencapai 150 orang yang terdiri dari: Pedagang Pantai Baron, Perangkat Koparwewon Tanjungarsi, Perangkat Desa Kemadang, Babinsa Tanjungarsi, Babinkamtibmas Kemadang, BMKG Yogyakarta, BPBD Gunungkidul, FPRB Kemadang, Satlinmas Baron, TRC Puskalopsi Gunungkidul.

- Tsunami Drills in 9 Villages, 7 Village that in process for IOC-UNESCO Tsunami Ready Recognition and 2 Village that will apply for the recognition.
- Tsunami Drills in 2 Airports, in Minangkabau International Airport in West Sumatra and Yogyakarta International Airport.
- Tsunami Drills in 12 Hotels in the Community applying for the IOC-UNESCO Tsunami Ready Recognition.
- Involving a total of 3500 people

WTAD Theme 2023

2023 ?



2019

Target A SFDRR (2023)



Substantially reduce global disaster mortality by 2030, aiming to lower average per 100,000 global mortality between 2020-2030 compared with 2005-2015.

A-1 (compound) Number of deaths and missing persons attributed to disasters, per 100,000 population.

A-2 Number of deaths attributed to disasters, per 100,000 population.

A-3 Number of missing persons attributed to disasters, per 100,000 population.

The scope of disaster in this and subsequent targets is defined in paragraph 15 of the Sendai Framework for Disaster Risk Reduction 2015-2030 and applies to small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risk.

Recommendations to ICG/IOTWMS (for consideration)



- **IOTIC to continue to support and assist in the coordination of Indian Ocean WTAD activities with the Member States, IOC-UNESCO and UNDRR, if so, to be added in IOTIC new TOR.**
- **To encourage the Member States to be more active in commemorating World Tsunami Awareness Day**
- **Member States to inform ICG/IOTWMS Secretariat and IOTIC on plan for WTAD activities (if possible 2 month before 5 November) for better coordination on WTAD in Indian Ocean.**
- **Member States to share the documentation of in country WTAD activities with IOTIC for consolidated information on WTAD in Indian Ocean**

Thank you



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

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

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