

*ICG/IOTWMS Intersessional Meeting, 23-24 November 2021*



# **The Impacts of Covid19: Tsunami warning services, evacuation, and sheltering during COVID-19**

***Harkunti P. Rahayu, Chair WG1***

**Acknowledgements:**

***ICG/IOTWMS Task Team on Capacity Assessment of Tsunami Preparedness  
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Commission

### Tsunami warning services, evacuation, and sheltering during COVID-19

#### Background and consent to proceed

Before commencing this survey exercise, please:

1. Read the background information provided below
2. Confirm your willingness to participate in this survey by clicking the checkbox

#### What is this survey about?

The current COVID-19 response has resulted in a shift of priorities, alterations in work patterns, processes and venues, the introduction of physical distancing, self-isolation and quarantine measures, as well as temporary lockdowns of entire communities. This may create ambiguity or confusion with regards to tsunami warning services and response actions like evacuation, under co-existing COVID-19 protocols.

This survey is being conducted to better understand current national, regional and local responses to COVID-19, which may differ depending upon a number of conditions, such as the phase of the pandemic, transmission in the community, demographics and response capabilities. The survey is also looking to understand the uptake of the Guidelines for Tsunami Warning Services, Evacuation, and Sheltering during COVID-19, which were issued by the Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) in 2020. For these guidelines please click [here](#).

#### Who is conducting the survey?

This survey is being conducted by Working Group 1 Tsunami Risk, Community Awareness and Preparedness of the Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning & Mitigation System (ICG/IOTWMS) of the Intergovernmental Oceanographic Commission of UNESCO, in conjunction with the University of Huddersfield, UK and Institute of Technology Bandung, Indonesia.

#### Who should complete this survey?

Responses to this survey are encouraged from the designated National Tsunami Warning Centre (NTWC) and National Disaster Management Organisation (NDMO) of each Member State of the ICG/IOTWMS. We are also seeking to get an insight into local impacts and responses, so we are therefore seeking responses from Local Disaster Management Organisations (LDMOs) and any National or Local COVID Task Force organisations who may be involved in a country's tsunami early warning services and response, especially under co-existing COVID-19 protocols. Tsunami National Contacts (TNCs) are invited to coordinate national responses by sharing the survey link with

# The Impacts of Covid19 Assessment: Tsunami warning services, evacuation, and sheltering during COVID-19

Progress Report, November 2021

- Supported by ICGIOTWMS Secretariat
- Collaboration between WG1 with University of Huddersfield and Institute Technology of Bandung

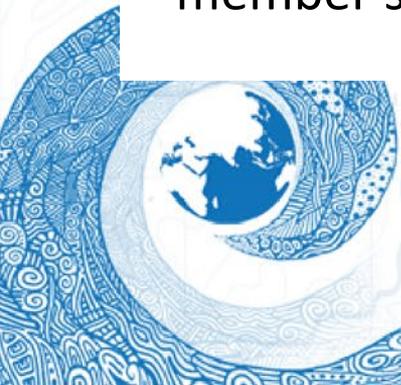


# BACKGROUND

- The current COVID-19 response has resulted in a shift of priorities, alterations in work patterns, processes and venues, the introduction of physical distancing, self-isolation and quarantine measures, as well as temporary lockdowns of entire communities. This may create ambiguity or confusion with regards to tsunami warning services and response actions like evacuation, under coexisting COVID-19 protocols.
- This survey is being conducted to better understand current national, regional and local responses to COVID-19, which may differ depending upon a number of conditions, such as the phase of the pandemic, transmission in the community, demographics and response capabilities.
- The survey is also looking to understand the uptake of the Guidelines for Tsunami Warning Services, Evacuation, and Sheltering during COVID-19, which were issued by ICG/IOTWMS in 2020. For these guidelines please [click here](#)

# Target of Survey

- Responses to this survey are encouraged from the designated National Tsunami Warning Centre (NTWC) and National Disaster Management Organisation (NDMO), Local Disaster Management Organisations (LDMO) and any National or Local COVID Task Force organisations who may be involved in a country's tsunami early warning services and response, especially under co-existing COVID-19 protocols of each member state.



# METHODOLOGY

- Using Survey Monkey circulated by Secretariat
- Survey responses will be analysed by the University of Huddersfield, UK and Institute of Technology Bandung, Indonesia research teams, who will compile a consolidated report for IOTWMS, which will be presented to the ICG Meeting 2022.
- Personal information is not collected as part of the survey. Information will be duly anonymised and grouped together to generate statistics for such research and scientific publications.
- The findings will provide important insights into the impact of COVID-19 on tsunami warning services and response in the Indian Ocean and will be used to inform future capacity building efforts and research across the region.

# Scope of Survey

1. To what extent has the COVID-19 had an impact on your institution's role in tsunami warning and evacuation response?
2. Awareness and familiarity of the ICG/IOTWMS Guidelines for using or adapting Tsunami Warning Services, Evacuation, and Sheltering during COVID-19: to national and/or local practices and to warning services and evacuation response?
3. Issues relates to business continuity and contingency plans at responsible agencies during COVID-19
4. Issues relate to plans for sheltering and assembly places during tsunami early warning



# Scope of Survey

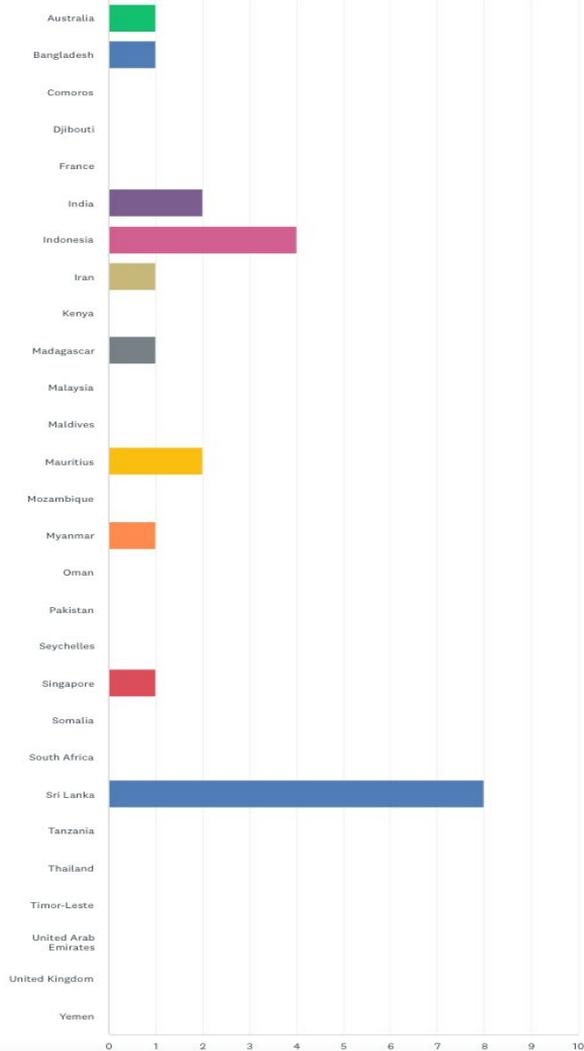
7. Issues related to any plans for COVID-19 designated hospitals
8. Issues related to public awareness on tsunami evacuation orders during COVID-19
9. Issues related to shelter management during Covid 19
10. several others.



# Current Progress of Response per today

- 26 in total, covering *10 countries*.
- only a few from the sub-national level. → It also seems we have multiple responses from *Indonesia/Sri Lanka* at the NTCW/NDMO level, so despite the higher number of responses but there isn't much at the local level
- As such a follow up message to all countries would be helpful in trying to encourage responses.

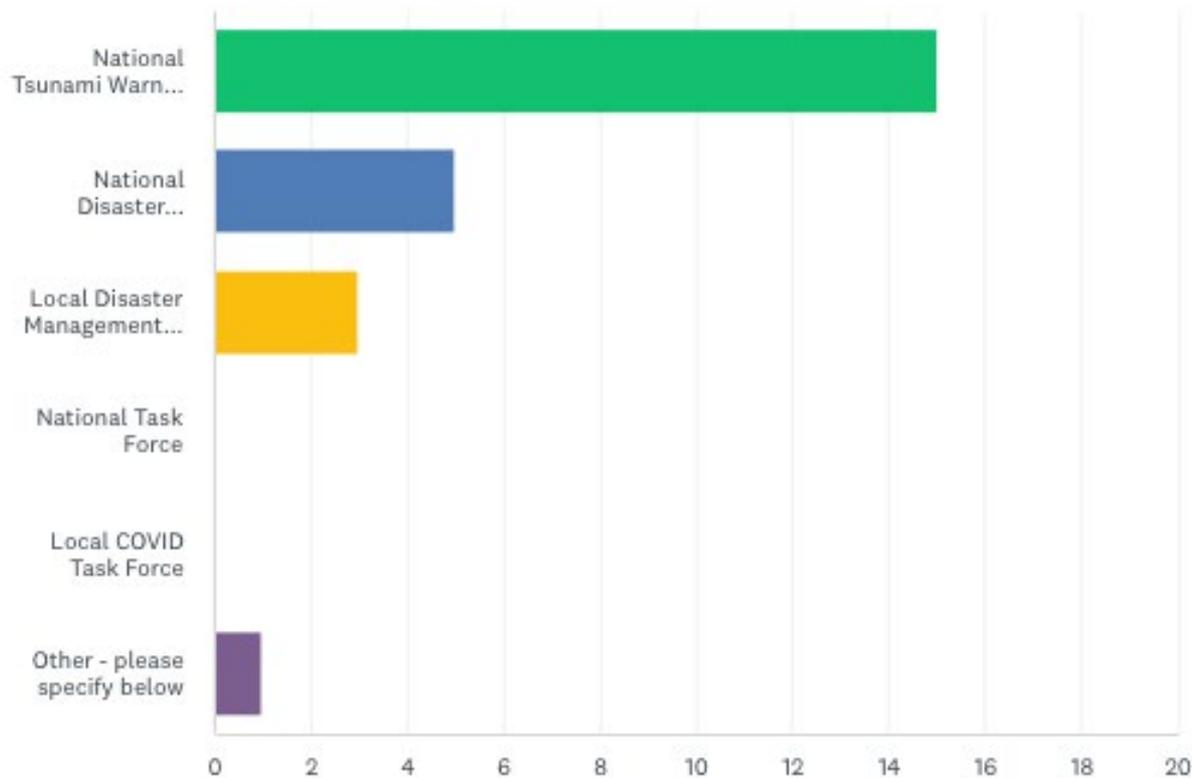




Number Member States Response & Indepth information provided



# Representatatives of Member States Response



# Follow-up Activity (Dec 2021)

- Completion of Survey's Response from Member States
- Survey responses will be analysed by the University of Huddersfield, UK and Institute of Technology Bandung, Indonesia research teams, who will compile a consolidated report for IOTWMS, which will be presented to the **ICG Meeting 2022**.
- The findings will provide important insights into the impact of COVID-19 on tsunami warning services and response in the Indian Ocean and will be used to inform future capacity building efforts and research across the region

# Thank you.

***Harkunti P. Rahayu, Chair WG1***

***Acknowledgements:***

***Survey Team: University of Huddersfield and Institute Technology of Bandung  
ICG/IOTWMS Secretariat***

