



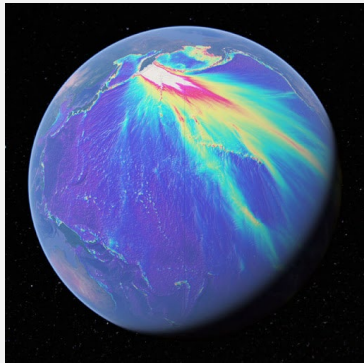
United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development



DEVELOPMENT OF A GLOBAL OCEAN PERFORMANCE MONITORING FRAMEWORK

Task Team Meeting 3

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ICG/PTWS WG1 CO-CHAIR

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MEETING AGENDA:

- 1** Update from Sarah-Jayne
- 2** Any relevant updates from ICG's relevant to Task Team
- 3** Agree on approach to measure development
- 4** Agree to work on measure development outside of meeting by Dec 17 2021.
- 5** AOB



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION of UNESCO

UNESCO Intergovernmental Oceanographic Commission (IOC) – Global Tsunami Performance Monitoring Framework

This assessment table details the criteria for monitoring the performance of TSP's, NTWC's and overall tsunami risk management activities of the ICG/PTWS, ICG/IOTWMS, ICG/CARIBE-EWS, and ICG/NEAMTWS.

There are five main goals that align with the strategic plans of the four ICG's. Each goal has targets that need to be achieved and associated activities and measures.

This framework is aligned with the Pacific Tsunami Warning and Mitigation System (PTWS) strategy 2022-2030, the United Nations Ocean Decade of Ocean Science for Sustainable Development (2021-2030), and IOC Strategy that identifies early warning systems as an important part of its strategic vision – 'Framework for Global Tsunami and Other Ocean Hazards Warning and Mitigation Systems'. In addition the framework is closely aligned with the priorities for action and global targets of the [Sendai Framework for Disaster Risk Reduction \(SFDRR\) 2015-2030](#), to ensure international alignment with best practice tsunami risk management, to measure the status against requirements and assist with obtaining resources for continued improvement. Specifically, these measures aim to align with Global Target (g) to substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments by 2030.

MISSION: *To operate a modern and effective global tsunami warning and mitigation system based on global ICG and Member State participation. A key focus is to substantially improve community access to tsunami hazard and risk information, resulting in prepared, aware and resilient countries at risk of tsunamis. Subsequently, we agree to work together, to reduce risk and build resilience to tsunami hazards.*

GOAL 1: Understanding and Managing Tsunami Hazard and Risk

All Member States understand their tsunami risk in all its dimensions including vulnerability, exposure of persons and assets, the many possible and/or likely tsunami hazard scenario and their characteristics, event frequency, uncertainties, and associated consequences. Such knowledge should be translated into prevention, mitigation, preparedness and response planning activities.

GOAL 1 TARGETS

The aim is to be 100% compliant with each target below

1.1	Develop methodology and supporting guidance for the modelling of and designation of tsunami inundation and evacuation zones.
1.2	Complete tsunami inundation and evacuation zone mapping
1.3	Implement and designate tsunami evacuation zones.
1.4	Develop methodologies for tsunami hazard risk assessments developed including multi-scenario, location-based risk assessment of tsunami hazard characteristics vulnerability, exposure, likelihood and consequences.
1.5	Conduct and periodically review tsunami hazard risk assessments, using agreed methodologies.
1.6	Translate risk assessment findings to the appropriate stakeholders and sectors.
1.7	Strengthen technical and scientific capability to support locally informed risk assessments.
1.8	Improve the translation of scientific information and data into hazard risk assessments to inform and build on existing knowledge and identify gaps.

UNESCO Intergovernmental Oceanographic Commission (IOC) – Global Tsunami Performance Monitoring Framework

Assessment Table

GOAL 1: Understanding and Managing Tsunami Hazard and Risk

All Member States understand their tsunami risk in all its dimensions including vulnerability, exposure of persons and assets, the many possible and/or likely tsunami hazard scenario and their characteristics, event frequency, uncertainties, and associated consequences. Such knowledge should be translated into prevention, mitigation, preparedness and response planning activities.

GOAL 1 TARGETS

The aim is to be 100% compliant with each target below

The % gained will be analysed based on the answers provided. A country will not automatically get 0/25/50/100% as seen below. Their % achieved ranked on the heat bar based on information given in the online assessment. E.g. 39% would fall between column 1 and 2. Examples will need to be provided by the user when answering the Q's.

		0%-25%	25-50%	50-100%
1.1	Develop methodology and supporting guidance for the modelling of and designation of tsunami inundation and evacuation zones.	No methodology, no supporting guidance	Methodology developed, no supporting guidance	All complete
1.2	Complete tsunami inundation and evacuation zone mapping	Inundation modelling complete, no evacuation zones	Modelling complete, proportion of zones mapped	All zones modelled for inundation and maps for all areas developed
1.3	Implement and designate tsunami evacuation zones.	<20% of evacuation zones designated	20-50% of evacuation zones designated	>50% of evacuation zones designated
1.4	Develop Methodologies for tsunami hazard risk assessments including multi-scenario, location-based risk assessment of tsunami hazard characteristics vulnerability, exposure, likelihood and consequences.	No risk assessment methodology	Risk assessment methodology established, but not fully compliant with target - partially complete.	Fully compliant tsunami risk assessment methodology as per target
1.5	Conduct and periodically review tsunami hazard risk assessments, using agreed methodologies.	No review period in place	One review completed, no periodic review cycle in place.	Actively reviewing risk assessment, on agreed periodic cycle

TIMELINE/NEXT STEPS FOR DELIVERY

- 1** Task Team members to finalise measures by December 17 2021. Excel spreadsheet to be sent to all Task Team members.
- 2** Sarah-Jayne to review and finalise measures and assessment table by 20 January 2022.
- 3** Task Team members agree to develop corresponding doctrine i.e. reports and survey templates
- 4** Sarah-Jayne to develop a report for the 'Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems (TOWS-WG)' to be held in February 2022. The report will summarise the work of the Task Team have completed and also include:
 - Proposed Global KPI Framework
 - Assessment table
 - Request for funding to develop suitable, online reporting template
 - Further recommendations for endorsement
- 5** Task to review the above by 20 January 2022.
- 6** Next Task Team meeting will be held 20 December 2021.

