



3.1 STATUS OF IMPLEMENTATION OF IOC Decision A-32/4.3.1.

IOC Decision A-31/3.4.1	Status report
<p>Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems (TOWS-WG) Decides to endorse the 10-Year Research, Development and Implementation Plan of the Ocean Decade Tsunami Programme as presented in document IOC/A-32/3.4.1.2.Doc(1);</p>	<p>UNESCO-IOC. 2023. Research, Development and Implementation Plan for the Ocean Decade Tsunami Programme. IOC Technical Series No 180. Paris, UNESCO (English only)</p> <p>Research, development, implementation plan for the Ocean Decade Tsunami Programme: executive summary, IOC/BRO/2023/4</p>
<p>Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems (TOWS-WG) <u>Encourages Member States to:</u></p> <p>(i) provide voluntary financial contributions to the IOC special account and in-kind contributions to support the Ocean Decade Tsunami Programme and UNESCO/IOC Tsunami Ready Recognition Programme;</p>	<p>Funding contributed by NORAD (Norway) and USAID (USA) towards Tsunami Ready initiatives in the Caribbean, Pacific Islands Countries and Territories. Renewal of voluntary contributions for IOTWMS by Australia for 4 years (2024-2027) and Indonesia (6 years, 2022-2027)</p>
<p>Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems (TOWS-WG) <u>Instructs ICGs to:</u></p> <p>(i) encourage sea level data is sampled at one second intervals and with the highest available accuracy and transmitted in real-time as a matter of priority, given the critical need to resolve and understand the near-field threat to high at-risk communities where a tsunami generated by non-</p>	<p>(i) Ongoing action by sea level networks and ICGs;</p>



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<p>subduction earthquake sources as well as non-seismic sources (e.g. generated by volcanoes) may arrive in minutes;</p> <p>(ii) encourage sea-level network operators to undertake regular and routine calibration of their sea-level monitoring instrumentation, following recommendations of IOC Manuals & Guides 3 and 14 (Volumes I–V);</p> <p>(iii) routinely monitor the status of seismic and sea level related observing networks to identify and better help rectify gaps in coverage and free and open data exchange;</p> <p>(iv) Consider and implement the recommendations of the Ad Hoc Team on Tsunamis Generated by Volcanoes with respect to the hazard assessment, monitoring and warning requirements, including costs of deploying and maintaining such systems. Where identified tsunamis generated by volcanoes may impact multiple Member States, TSPs for the relevant ocean basin tsunami warning and mitigation systems should consider if they need to be involved in monitoring and provision of threat advice;</p> <p>(v) TSPs in collaboration with NAVAREA operators of the International Hydrographic Organization (IHO) test the tsunami maritime safety products in 2023/24, with a view to operationally implementing them in 2024-2025;</p> <p>(vi) add the task to the Terms of Reference of the ICGs and TICs to facilitate the implementation and functioning of the UNESCO/IOC Tsunami Ready Recognition Programme;</p> <p>(vii) add the role of ICGs as regional Steering Committees for the ODTP in their Terms of Reference;</p> <p>viii) undertake sub-regional exercises as part of WAVE Exercises as an efficient way to further engage Member States on exercises as appropriate;</p> <p>(ix) follow the initiative of ICG/PTWS to enable sub-regional live information sharing during tsunami events to inform neighbouring country decision-making;</p>	<p>(ii) Ongoing action by sea level networks with training support by GLOSS;</p> <p>(iii) ICG working groups in charge of monitoring and TSPs routinely monitor the status of seismic and sea level observing networks;</p> <p>(iv) Under analysis in some ICGs (to be reported by ICGs);</p> <p>(v) TSPs ongoing plans (PTWS, IOTWMS) to test/implement pilots and full operational services by 2024-2025;</p> <p>(vi) Pending</p> <p>(vii) Pending; included into regular functions of steering Groups or specific WGs;</p> <p>(viii) Ongoing (PTWS);</p> <p>(ix) Ongoing;</p>



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<p>(x) investigate mechanisms for recognition of standards mechanisms similar to UNESCO/IOC Tsunami Ready Recognition Programme already in place in some countries and inform the TOWS-WG TT-DMP;</p> <p>(xi) Caribbean Tsunami Information Center (CTIC) to share UNESCO/IOC Tsunami Ready survey questionnaire and feedback forms on implementation process to receive information from the UNESCO/IOC Tsunami Ready communities;</p> <p>(xii) encourage the standard text in the UNESCO/IOC Tsunami Ready signage for vertical evacuation, such as “Go to the designated building for vertical evacuation”;</p> <p>(xiii) properly inform the public on the validity of the recognition, as indicated on the UNESCO/IOC Tsunami Ready signage and certificate under the UNESCO/IOC Tsunami Ready logo;</p> <p>(xiv) ITIC to pilot the draft PTWS National Tsunami Warning Centre (NTWC) Competency Framework (2019) for endorsement by ICG/PTWS with the goal to develop a global framework for all ICGs to use;</p>	<p>(x) To be reported by TT DMP;</p> <p>(xi) Done;</p> <p>(xii) In process, specific cases discussed at TT DMP;</p> <p>(xiii) Done;</p> <p>(xiv) Ongoing;</p>
<p><u>Requests the IOC Secretariat:</u></p> <p>(i) provide a timelier update of the UNESCO/IOC Tsunami Ready database;</p> <p>(ii) explore how to develop an automated application system for UNESCO/IOC Tsunami Ready application and renewal;</p> <p>(iii) enhance the renewal process of UNESCO/IOC Tsunami Ready and learning about the renewal experience in the United States TsunamiReady® program;</p> <p>(iv) facilitate the finalization of the OTGA basic tsunami training materials as soon as possible to support the UNESCO/IOC Tsunami Ready Recognition Programme;</p>	<p>(i) Done;</p> <p>(ii) Not implemented;</p> <p>(iii) Ongoing;</p> <p>(iv) Ongoing;</p>



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<p>(v) develop a paper on the tsunami threat on coasts along the Southern Atlantic Ocean to assist concerned Member States of IOC on the decision to be part of the global Tsunami Warning and Mitigation System;</p> <p>(vi) help inform Member States widely on the potential tsunami hazard from volcanoes by distributing the Tsunamis Generated by Volcanoes Report, including the List of Tsunamigenic Volcanoes, to:</p> <ul style="list-style-type: none"> - Volcano Observatories; - UNESCO/IOC Member States. 	<p>(v) In process, ToR drafted;</p> <p>(vi) Delayed waiting for the final version of the document Monitoring and Warning for Tsunamis Generated by Volcanoes. 2024. Paris, UNESCO. (IOC Technical Series No. 183) that needed reviews by TSPs about specific systems described in the draft presented to the TOWS-WG XVI session.</p>