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**Meeting of Scientific Committee for the UN Ocean Decade Tsunami Programme
25-26 January 2024, UNESCO HQs. Paris, France**

Background :

At its 31st session, the IOC Assembly established the “Ocean Decade Tsunami Programme” and its Scientific Committee (SC-ODTP) by [Decision A-31/3.4.1](#). The SC developed the Draft 10-Year Research, Development and Implementation Plan for the Ocean Decade Tsunami Programme which was presented and endorsed at the 32nd session of the IOC Assembly in June 2023. The SC has an advisory role to TOWS-WG for the duration of the Ocean Decade Tsunami Programme.

The Scientific Committee is tasked with (fulfilled tasks stroked through):

- ~~(i) Develop a Draft 10-Year Research, Development and Implementation Plan for the Ocean Decade Tsunami Programme based on the concept paper “*Protecting Communities from the World’s Most Dangerous Waves: A Framework for Action under the UN Decade of Ocean Science for Sustainable Development*”;~~
- (ii) Identify and address gaps in global tsunami hazard assessment as follows:
 - a) comprehensive assessment to include all potential tsunamis, anywhere in the world, regardless of their source,
 - b) strategies to validate historical tsunami sources, through the application of paleotsunami techniques and historical seismology.
- (iii) Identify gaps in tsunami detection, measurement, forecasting, with a special emphasis on tsunamis generated close to populated coastlines.
- (iv) Propose to enhance sensing and analysis strategies to enable the rapid characterization of tsunami sources through the combined use of land-based seismic and geodetic sensors, GNSS terminals, coastal sea level gauges, deep-ocean tsunameters, SMART repeaters on deep-ocean fiber-optic cables and satellite-based observations.
- (v) Propose a roadmap for collaboration with the ITU/WMO/IOC SMART Joint Task Force cable initiative to fully explore the feasibility of widespread deployment of scientific instrumentation on deep-ocean fiber-optic cables to improve capability to rapidly detect and characterize tsunami sources as well as propagating tsunami wave fields.
- (vi) Consider and propose strategies, programmes and content to enhance societal resilience for tsunami and other ocean hazards.

- a) build the framework needed to ensure the training and development of the next generation of technical-scientific expertise,
- b) identify strategies that allow to characterize structural and social vulnerability in tsunami hazard zones,
- c) propose strategies for promoting implementation of community preparedness initiatives such as IOC Tsunami Ready Recognition Programme to ensure 100 % at risk communities are prepared & resilient to tsunamis by 2030.
- ~~(vii) Overview the consolidation of inputs received to IOC Circular Letter 2825 on Inventory of actions being considered under the United Nations Decade of Ocean Science for Sustainable Development (2021–2030) in the field of Tsunamis and Other Sea-Level Related Hazards warning and mitigation;~~
- ~~(viii) Submit a Draft 10-Year Research, Development and Implementation Plan for endorsement by the TOWS WG at its 16th meeting.~~

The SC-ODTP for the period 2024-2025 is composed of the following members :

- Mr Michael ANGOVE, National Tsunami Hazard and Mitigation Programme, NOAA, United States of America
- Mr Sergio BARRIENTOS, National Seismic Centre, University of Chile
- Ms Maria Ana BAPTISTA, Professor at the Instituto Superior de Engenharia de Lisboa and a researcher at Instituto Dom Luiz, University of Lisbon (Portugal)
- Ms Silvia CHACON, Costa Rica National Tsunami Warning System, National University of Costa Rica
- Mr David COETZEE, National Emergency Management Agency, New Zealand
- Mr Yutaka HAYASHI, Meteorological Research Institute, Japan Meteorological Agency
- Ms H  l  ne HEBERT, National Tsunami Warning Centre, Atomic Energy and Alternative Energies Commission, France
- Ms Christa von HILLEBRANDT-ANDRADE, International Tsunami Information Center Caribbean Office, United States of America
- Mr Alexander RABINOVICH, Tsunami Laboratory, P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Russian Federation
- Ms Harkunti Pertiwi RAHAYU, Research Center for Disaster Mitigation, Institute of Technology Bandung, Indonesia
- Mr Srinivasa Kumar TUMMALA, Indian National Centre for Ocean Information Services, India (also IOC Vice-Chairperson)

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Dr Srinivasa Kumar TUMMALA was re-appointed Chairperson of the Scientific Committee.

The fourth (in person) meeting of the SC-ODTP will meet in Paris, France, 25-26 January 2024 to review and harmonize current UN Ocean Decade Tsunami Programme and UNESCO-IOC Tsunami Programme related initiatives with the activities proposed in the context of the [Research, Development, Implementation Plan for the Ocean Decade Tsunami Programme](#)

With that purpose the SC-ODTP will receive updated information on current initiatives of the UN Ocean Decade related to Challenge 6, ICGs initiatives and coordination schemes for ODTP, updated information on the Barcelona UN Ocean Decade Conference (2nd UNOD Conference) and the 2nd Global Tsunami Symposium (Indonesia, November 2024) and detailed information of Actions submitted to the 6th Call for Actions of the Decade.

Draft Preliminary Agenda

25-26 January 2024

UNESCO HQ, Paris France

Day #1

1. Opening and Updates / Follow up activities related to the ODTP RDIP
2. Discuss the UN Ocean Decade initiatives and their relationship with ODTP
 - a. Communities of Practice
 - b. Capacity Building Facility
 - c. Thematic / Regional Decade Collaborative Centres / Coordination Offices: DCC-CR, DCC-IOR, DCO-CAR, DCC-PICT, Other
 - d. Vision 2030: Draft White Paper of “WG-6: Increase Community Resilience to Ocean Hazards”: DCC-CR & DCC-IOR
3. Update on current work programmes of TOWS-WG Task Team on Tsunami Watch Operations and Task Team on Disaster Management and Preparedness
4. Review list of endorsed Actions related to ODTP and or Challenge 6 and coordination with TOWS-WG work programmes

Day #2

5. Discuss ICGs initiatives/coordination with respect to ODTP
6. Discuss ODTP involvement in:
 - a. 2nd UNESCO IOC Global Tsunami Symposium: “A Reflection of The Two Decades Post 2004 Indian Ocean Tsunami and Way Forward”, 11 – 14 November 2024, and Pre-Event International Scientific Workshop, 8 - 9 November, Banda Aceh, Indonesia, with presentation by Symposium Programme Organizing Committee Co-Chairs
 - b. 2nd UN Ocean Decade Conference, 10 – 12 April 2024, Barcelona, Spain
7. Review of Actions submitted to the UNOD 6th Call referring to ODTP.
8. Agree SC-ODTP 2024 Work Programme