

INTERGOVERMENTAL OCEANOGRAPHIC COMMISION OF UNESCO

**Meeting of Scientific Committee for the UN Ocean Decade Tsunami Programme 16-17 January 2025, UNESCO HQs. Paris, France**

Meeting Room VIII

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](https://oceanexpert.org/document/28647). 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):

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| **TASKS** | Started | Ongoing | Completed |
| 1. **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”; |  |  |  |
| 1. **Identify and address gaps in global tsunami hazard assessment as follows** |  |  |  |
| 1. comprehensive assessment to include all potential tsunamis, anywhere in the world, regardless of their source |  |  |  |
| 1. strategies to validate historical tsunami sources, through the application of paleotsunami techniques and historical seismology. |  |  |  |
| 1. **Identify gaps in tsunami detection, measurement, forecasting, with a special emphasis on tsunamis generated close to populated coastlines.** |  |  |  |
| 1. comprehensive assessment to include all potential tsunamis, anywhere in the world, regardless of their source, |  |  |  |
| 1. strategies to validate historical tsunami sources, through the application of paleotsunami techniques and historical seismology. |  |  |  |
| 1. **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. |  |  |  |
| 1. **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. |  |  |  |
| 1. **Consider and propose strategies, programmes and content to enhance societal resilience for tsunami and other ocean hazards.** |  |  |  |
| 1. build the framework needed to ensure the training and development of the next generation of technical-scientific expertise, |  |  |  |
| 1. identify strategies that allow to characterize structural and social vulnerability in tsunami hazard zones, |  |  |  |
| 1. 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. |  |  |  |
| 1. **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; |  |  |  |
| 1. **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** (Retired) National Emergency Management Agency, New Zealand
* **Mr Yutaka HAYASHI**, Meteorological Research Institute, Japan Meteorological Agency
* **Ms Hélène 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) – Replacement being identified from IOTWMS following the recent stepping down of Mr. Tummala
* **Dr Laura Kong,** Chairperson for Tsunami Ready Coalition
* **Dr Srinivasa Kumar TUMMALA** was re-appointed Chairperson of the Scientific Committee – Replacement being identified following the recent stepping down of Mr. Tummala

The fifth (in person) meeting of the SC-ODTP will meet in Paris, France, 16-17 January 2025 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 5th SC-ODTP will examine and propose way forward in relation to the 2024 Ocean Decade Conference Barcelona Outcome Statement and the Vision 2030: White Paper of “WG-6: Increase Community Resilience to Ocean Hazards. The Group will reflect on the 2nd UNESCO- IOC Global Tsunami Symposium held in Banda Aceh, Indonesia, its outcome statement and the way forward. It will explore how best to further engage with DCC structures (DCC-CR). It will receive updates regarding next TOWS WG and TTs meetings. The group will review on the proposed Implementation Plan for the Tsunami Ready Coalition. The SC will also review the progress so far in implementing the ODTP. It will receive updated information on current and latest initiatives of the UN Ocean Decade related to Challenge 6, new actions submitted under call 7 of the Decade, as well as guidance and needs for Decade call 8. The SC will discuss ICGs initiatives and coordination schemes for ODTP, updated information on the major upcoming meetings including the EW4All Global Multi-stakeholder Forum, 2-3 June & the Global Platform for DRR 20254-6 June Geneva, Switzerland, and other major Ocean Decade events (e.g.UN Oceans Conference, Nice in 2025, 3rd UN Ocean Decade Conference 2027), as well as the International Tsunami Symposium Sep-Nov 2025 – Hyderabad, India. Additionally, the meeting serves as an opportunity to revisit, particularly the ODTP-Implementation Plan to better support implementation, tracking and monitoring of the ODTP. Finally, its work will focus on agreeing the SC-ODTP 2025 Work Programme.

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**Draft Preliminary Agenda**

16-17 January 2025 UNESCO HQ, Paris France

**Day 1**

1. **OPENING**
2. **UPDATES** 
   1. 2024 Ocean Decade Conference Barcelona Outcome Statement. Vision 2030: White Paper of “WG-6: Increase Community Resilience to Ocean Hazards”: DCC-CR & DCC-IOR
   2. 2nd UNESCO-IOC Global Tsunami Symposium: Way Forward?
   3. Decade Collaborative Centers:i.e. DCCR. What and how, when to best engage?
   4. Update on current work programmes of TOWS-WG Task Team on Tsunami Watch Operations and Task Team on Disaster Management and Preparedness
   5. Tsunami Ready Coalition ODTP Implementation Plan (report by Chair Dr Laura Kong).
3. **PROGRESS IN IMPLEMENTING THE ODTP**Focus on TRRP – estimating our target: methodology to identify administrative units (“communities”) eligible for the TRRP and assess the level of risk of each community.
4. **REVIEW LIST OF NEW SUBMITTED/ ENDORSED ACTIONS RELATED TO ODTP** (call 7 & 8)
5. **PROPOSAL FOR AN ONLINE COORDINATION WEBINAR OR ENDORSED ODTP INITIATIVES**

**Day 2**

1. **DISCUSS ICGS INITIATIVES/COORDINATION WITH RESPECT TO ODTP**
2. **ODTP-IMPLEMENTATION PLAN: DEVELOPING A REFINED IMPLEMENTATION PLAN/ MONITORING AND TRACKING TOOL.**
3. **GLOBAL INITIATIVES**
4. EW4ALL/GFDRR: ODTP involvement in theEW4All Global Multi-stakeholder Forum, 2-3 June & the Global Platform for DRR 2025 4-6 June Geneva, Switzerland
5. UN Oceans Conference, Nice in 2025, 3rd UN Ocean Decade Conference 2027 –OTDP-SC lead initiatives
6. International Tsunami Symposium 2025 – Hyderabad, India, (TBC Sept-Nov 2025)
7. **AGREE SC-ODTP 2025 WORK PROGRAMME AND INFORMATION ON ODTP-SC MEMBERSHIP**

Provisional Timetable of the 5th Meeting of Scientific Committee for the UN Ocean Decade Tsunami Programme (ODTP-SC)

16-17 January 2025. HQ, Paris,

Room: TBC

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|  | **DAY 1** (16 Jan) | *Remarks/lead* |
| 09:00-09:30 | 1. **OPENING** | Chairperson Head of TSR |
| [09:15-13:00] | 1. **UPDATES** |  |
| 09:15-09:45 | * 1. 2024 Ocean Decade Conference Barcelona Outcome Statement and Vision 2030 White Paper WG-6: Increase Community Resilience to Ocean Hazards”: DCC-CR & DCC-IOR | DCU/Chair?  Srinivas Kumar / Nadia Pinardi |
| 09:45-10:30 | * 1. 2nd UNESCO-IOC Global Tsunami Symposium: Way Forward? | Bernardo/ALL |
| 10:30-11:00 | COFFEE BREAK |  |
| 11:00-11:30 | * 1. Decade Collaborative Centers: example DC-CR. What and how, to best engage? How much to involve/engage the ODTP? | Denis- Chang Seng |
| 11: 30-12:00 | * 1. Update on current work programmes of TOWS-WG Task Team on Tsunami Watch Operations and Task Team on Disaster Management and Preparedness | Tech Secretaries of  TT DMP and TT TWO |
| 12:00-13:00 | * 1. Tsunami Ready Coalition (TRC) ODTP Implementation Plan | Chair of TRC Laura Kong |
| 13:00-14:00 | LUNCH BREAK |  |
| 14:00-15:00 | 1. **PROGRESS IN IMPLEMENTING THE ODTP -** Focus on TRRP – estimating our target: methodology to identify administrative units (“communities”) eligible for the TRRP, and assess the level of risk of each community | Chair / All |
| 15:00-15:30 | COFFEE BREAK |  |
| [15:30-17:00] | 1. **REVIEW LIST OF NEW SUBMITTED/ ENDORSED ACTIONS RELATED TO ODTP (call 7 & 8)** | Denis Chang Seng/ALL |
|  | **REVIEW LIST OF NEW SUBMITTED/ ENDORSED ACTIONS RELATED TO ODTP (Call 7 & 8?) (CON’T)**  **Break Out Discussion (TBD)** | All |
| 17:00 -17:15 | 1. **PROPOSAL FOR AN ONLINE COORDINATION WEBINAR OR ENDORSED ODTP INITIATIVES** | Bernardo Aliaga/ Srinivas Kumar |
| **END OF DAY 1** |  |  |

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|  | **DAY 2** (17 Jan) | Remarks/lead |
| 09:00-10:30 | 1. **DISCUSS ICG INITIATIVES/COORDINATION WITH RESPECT TO ODTP** | Chairperson  ICG representatives / Tech Secretaries |
| 10:30-11:00 | COFFEE BREAK |  |
| 11:00-13:00 | 1. **ODTP-IMPLEMENTATION PLAN: DEVELOPING A REFINED IMPLEMENTATION PLAN [MONITORING AND TRACKING TOOL]** | To be Indicated/ Consultant |
| 13:00-14:00 | **LUNCH BREAK** |  |
| **[14:00-15:00]** | 1. **GLOBAL INITIATIVES** |  |
| 14:00-14:30 | 1. **EW4ALL/DRR:** Discuss the ODTP involvement in the EW4All Global Multi-stakeholder Forum, 2-3 June & the Global Platform for DRR 2025, 4-6 June Geneva, Switzerland | Denis Chang Seng |
| 14:30-15:00 | 1. **UN OCEAN**: UN Oceans Conference, Nice in 2025, and the 3rd UN Ocean Decade Conference 2027 –OTDP-SC lead | Bernardo Aliaga |
| 15:00-15:30 | 1. **International Tsunami Symposium 2025** – Hyderabad, India, (TBC Sept-Nov 2025 | Alexander Rabinovich / Rep of INCOIS |
| 15:30-16:00 | COFFEE BREAK |  |
| 16:00-17:00  **END OF DAY 2** | 1. **SC-ODTP 2025 WORK PROGRAMME AND INFORMATION ON ODTP-SC MEMBERSHIP** | Chairperson/ Bernardo Aliaga |