**Thirtieth Session of the Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System  
(ICG/PTWS-XXX)**

**11-15 September 2023**

**ANNNOTATED AGENDA – DAY 1 AND 2**

# WELCOME AND OPENING (9:00-10:30)

1. The Thirtieth Session of the Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System (ICG/PTWS-XXX) is scheduled from 11 to 15 September 2023, hosted by the Kingdom of Tonga, including a Joint Technical Workshop with the IUGG Joint Tsunami Commission (JTC)
2. The Thirtieth session will be formally opened on Tuesday, 12 September 2023 at 09:00, under the guidance of the Chair Mr Yuji Nishimae (Senior Scientific Officer, JMA, Japan). The proceeding of the opening is as follows:
3. He will initiate the session warmly welcoming the participants (30 seconds).

* Devotion – Father Langilua Kivalu
* Opening Statement – ICG/PTWS Chair – Mr Yuji Nishimae
* Tsunami Video – Tonga Geological Services - Natural Resources Department
* Keynote Address – Honorable Minister for the Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications. (MEIDECC)

1. The Chair will declare opened the Thirtieth Session of the Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System.
2. He will then invite the plenary to a group photo and morning tea break (until 10:30).

# ORGANIZATION OF THE SESSION

# ADOPTION OF AGENDA

1. The Chair will inform the Plenary that the [Provisional Agenda](https://oceanexpert.org/downloadFile/54455) was discussed at the meeting of ICG/PTWS Steering Committee in March 2023, taking into account the Recommendations and instructions given at ICG/PTWS-XXIX, as well as the relevant parts of the IOC Rules of Procedures.
2. The Chair will offer the floor for Delegates to comment on the Provisional Agenda. (5 Minutes)
3. **The agenda will be approved as is or with changes as decided by Delegates.**

# DESIGNATION OF THE RAPPORTEUR

1. The Chair will request Delegates to propose candidates for Rapporteur of the meeting. As customary, the meeting is requested to choose one rapporteur for each of the languages of the meeting (English and Spanish, for this meeting). They will be supported by the Secretariat. Designation of an online Rapporteur is possible, and the Rapporteur will be provided with the video recordings of the ICG daily. [English Tonga – Spanish Chile]
2. Delegates will elect one Rapporteur for each language of the meeting (5 Minutes)

# CONDUCT OF THE SESSION, TIMETABLE AND DOCUMENTATION

1. The Chairperson will recall that the Secretariat organised the session with online interpretation English/Spanish with a private company using a UNESCO Zoom account. He will note that the online session is organised with through 4 days with a field trip visit planned on Thursday after lunch. Chairperson will inform delegates that the host country has prepared a CULTURAL EVENT ORGANIZED BY THE HOST COUNTRY and the details will be provided at the end of the day.
2. He will inform the Plenary that in order to facilitate the proceedings of the meeting a [Provisional Timetable](https://oceanexpert.org/downloadFile/54545) has been prepared by the Secretariat in coordination with the Chair and the host country.
3. He will welcome the recently appointed ICG/PTWS Technical Secretary Mr Ocal Necmioglu and will ask him to provide:
4. i) a brief introduction of himself, and
5. ii) technical details for the running of the meeting. Mr Necmioglu will indicate the following:
   * **Online participants could connect to the Zoom platform and chose at any time the output language. Spanish translation is available online. They should have their cameras and microphones turned off for the duration of the meeting** when they do not have the floor.
   * **Online presenters should turn on their camera at least 1 minute before their agenda item**, to facilitate their identification by the Chair.
   * In order to take the floor, online participants must **request the floor by raising their hand** (icon available on Zoom).
   * The Chairperson will request interventions from the Plenary in a specific order, by **first requesting interventions from Heads of Delegations (HoD), followed by Members of Delegations (MoD) and Observers (Obs)**. If time for the item is exhausted **preference will be given to Heads of Delegations**.
   * Participants onsite and online should therefore only raise their hand when their specific group (HoD, MoD, Obs) is solicited for interventions.
   * If online participants are experiencing technical challenges, they can ask for support in the chat. Any questions about presentations or interventions should be addressed verbally requesting interventions in the room or in the Zoom Chat. The Q&A section of the Zoom should be used only in case of technical issues preventing verbal interaction.
   * In order to avoid additional costs for the translation services, The Secretariat would like to urge all speakers and presenters to respect their intervention times and to limit debating times.
6. The Chair will ask the Technical Secretary to introduce the documentation and other logistic details for the meeting. Mr Necmioglu will indicate the following:
   * the meeting website includes all the documents required for the meeting, [under the respective agenda items](https://oceanexpert.org/event/3920#agenda).
   * all documents and PPTs can be downloaded from the meeting website, preferably one-by-one when working with low-speed connections. Please note the web site is continuously updated as we receive material. In this regard, the Secretariat would like to highlight the critical importance of timely availability of the presentations and documentations.
   * Mr Necmioglu will recall Heads of Delegations that **candidatures for elections must be submitted until the second day of the meeting by close of business local time. He will report on number of candidatures already received for Chair or Vice/Chair before the start of the meeting (update12 September COB: 3 candidates for Vice-Chair).**
7. The chairperson will then open the floor for comments from delegates on the [Provisional Timetable](https://oceanexpert.org/downloadFile/54545). (5 minutes)
8. **The timetable will be approved as is or with changes as decided by Delegates.**
9. The Chair will indicate that in order to smooth the work of the session and facilitate the generation of recommendations and agreements the plenary is asked to set up intra-sessional Working Groups. Statutory and suggested Working Groups and Chairs are as follows:

* Elections Committee (Roger Ball, New Zealand; Queenie C. C. Lam, China; David Hiriasia, Solomon Island; technical support O. Necmioglu)
* Recommendations Committee (Lara Bland, New Zealand; François Schindelé, France; Adrienne Moseley, Australia; technical support B. Aliaga)
* PACWAVE 2024\* (14 September before morning coffee break; Anthony Jamelot, France; technical support O. Necmioglu)
* UN Decade of Ocean Sciences for Sustainable Development and Tsunami programme\* (14 September before morning coffee break; Michael Angelove, USA)
* Tsunami Ready Programme Implementation – flexible measures\* (14 September after the morning coffee break; Laura Kong and Ashleigh Fromont, technical support J. Korovulavula)
* Tsunami generated by volcano – monitoring and warning systems\* 14 September after the morning coffee break, François Schindelé, technical support O. Necmioglu)

*(\* dedicated rooms will be available)*

1. The Chairperson will ask Member States to nominate members to the intra-session WGs (15 minutes). *[These nominations can be provided at the end of the morning session before going to lunch in order to save time.]*
2. The Chair will recall that as customary each of the intra-session working groups will report to the plenary session under their respective agenda items. He will indicate that intra-session Working Groups will be limited to onsite participants (English only). He will ask the Technical Secretary to indicate logistics for the intra-session WGs on Thursday.
3. The Chair will ask that intra-session Working Groups to produce a recommendation for discussion by the ICG or re-draft the ones included under the inter-sessional Working Group and Task Teams reports, as needed. These recommendations should be available for endorsement by all delegates on the last day of the meeting (15 September 08:00 local time).

# REPORT ON INTERSESSIONAL ACTIVITIES

# CHAIRPERSON’S REPORT

1. The Chair will present his report, available as ([Presentation](https://oceanexpert.org/downloadFile/54452)). (20 minutes)
2. Member States may wish to provide comments on the report of the Chairperson.

# ICG/PTWS SECRETARIAT REPORT

1. The Technical Secretary for ICG/PTWS, Mr Ocal Necmioglu, will present an oral report of the Secretariat. (10 minutes). A [PPT](https://oceanexpert.org/downloadFile/54600) is available.
2. Member States may wish to provide comments on the report of the ICG/PTWS Secretariat.
3. **SUMMARY OF THE 8TH JOINT ICG/PTWS– IUGG/JTC TECHNICAL WORKSHOP**
4. The Chair will invite Bill Fry to provide a summary of the 8th Joint ICG/PTWS– IUGG/JTC Technical Workshop (20 min). A written report will be made available by Friday, 15 September.

# TOWS WG Report

1. Chair, on behalf of the TOWS WG Chair, will report on the main outcomes of the TOWS-WG XVI session, as available under the [report of the session](https://oceanexpert.org/downloadFile/54345). He will summarize in a [presentation](https://oceanexpert.org/downloadFile/54570) the main recommendations addressed to the IOC 32nd Assembly and the ICGs. (10 minutes)

# REPORT OF TSUNAMI SERVICE PROVIDERS (total time available: 40 minutes)

# Report of the PTWC

1. Dr Charles “Chip” McCreery (USA), Director of the Pacific Tsunami Warning center (PTWC), will present a report on the PTWC, available as [Presentation](https://oceanexpert.org/downloadFile/54579). The floor will be opened to comments from Delegates after this report. (20 minutes)
2. Member States may wish to provide comments or questions on the report of the PTWC.

# Report of the NWPTAC

1. Mr Shingo Ushida (Japan), Scientific Officer for International Tsunami Information of the Japan Meteorological Agency, will present a report on the North West Pacific Tsunami Advisory Center (NWPTAC), available as [Presentation](https://oceanexpert.org/downloadFile/54543). The floor will be opened to comments from Delegates after this report. (10 minutes)

Member States may wish to provide comments or questions on the report of the NWPTAC.

# Report of the SCSTAC

1. Mr Peitao Wang (China), National Marine Environmental Forecasting Center (NMEFC), will present a report on the South China Sea Tsunami Advisory Center SCSTAC, available as [Presentation](https://oceanexpert.org/downloadFile/54590). The floor will be opened to comments from Delegates after this report. (10 minutes)
2. Member States may wish to provide comments or questions on the report of the SCSTAC.

13.00 – 14.30 LUNCH BREAK -

# REPORT OF THE INTERNATIONAL TSUNAMI INFORMATION CENTRE (ITIC)

1. Dr Laura Kong (Director of the International Tsunami Information Centre-ITIC) will present her report, available as Presentation. (20 minutes)
2. Member States may wish to provide comments or questions on the report of ITIC.

# NATIONAL PROGRESS REPORTS (120 minutes)

The Chair will remind the Meeting that written reports have been requested in a standard format and have been received in advance of the Session. They have been made available through the meeting website. He will ask Delegates to make short statements of no more than 5 minutes focused on key points of their National Reports that may have implications for the policy discussion, and to not use PPTs as far as possible.

At the time of writing this Annotated Agenda 13 Member States: Australia, Canada, [Chile](https://oceanexpert.org/downloadFile/54427)\*, [China](https://oceanexpert.org/downloadFile/54589)\*, Colombia, [Japan](https://oceanexpert.org/downloadFile/54542)\*, Ecuador, France (including France-French Polynesia, France-New Caledonia), Indonesia\*, Malaysia, New Zealand, Republic of Korea\*, Russian Federation, [United States](https://oceanexpert.org/downloadFile/54605), have submitted National Reports.

The Chair will invite Member States which submitted presentations to present their national progress reports first, to be followed by the oral statements of remaining Member States, these presentations will be followed by the online oral statements, all to be delivered in alphabetical order.

*(\* presentation submitted)*

1. – 16.30 COFFEE BREAK -

Coffee Break Presentation (5 min)

The GUARDIAN Near-Real-Time Ionospheric Monitor, Timothy Melbourne (Central Washington University, USA)

# 3.6 NATIONAL PROGRESS REPORTS (continued)

# WORKING GROUPS AND TASK TEAM REPORTS (40 min)

# Working group 1: Understanding Tsunami Risk (10 minutes)

1. Dr Vasily Titov (Lead Scientist, NOAA Center for Tsunami Research - Pacific Marine Environmental Laboratory, USA), will present a report on behalf of Christopher Moore (USA) Co-Chair of WG1, available as a [Presentation](https://oceanexpert.org/downloadFile/54602). (Please note that the responsibilities of Diego Arcas (USA) as the WG1 Co-Chair were transferred to Christopher Moore (USA) during the intersessional period).
2. Member States may wish to provide comments or questions on the report of WG 1.

# Working group 2 (20 minutes)

1. Dr Bill Fry (Chair WG2, Principal Scientist, GNS Science, New Zealand) will present the [Report of WG2](https://oceanexpert.org/downloadFile/54566), available also as a [Presentation](https://oceanexpert.org/downloadFile/54609).
2. Member States may wish to provide comments or questions on the report of WG 2.

# Working group 3 (10 minutes)

1. Dr. Ashleigh Fromont (Chair WG3, Acting Team Leader, Hazard Risk Management, Risk & Recovery Unit, National Emergency Management Agency-NEMA,New Zealand) and Dr. Laura Kong (Vice Chair WG3, Director of the UNESCO/IOC International Tsunami Information Center) will present the [Report of WG3](https://oceanexpert.org/downloadFile/54540), available as a [Presentation](https://oceanexpert.org/downloadFile/54540).

Member States may wish to provide comments or questions on the report of WG 3.

**END OF DAY ONE**

Chairperson will remind delegates that the host country has prepared a CULTURAL EVENT ORGANIZED BY THE HOST COUNTRY. He may offer the floor to Mr Ofa’ Fa’anunu to provide details about the activity.

18:30 CULTURAL EVENT ORGANIZED BY THE HOST COUNTRY -

**ANNNOTATED AGENDA – DAY 2**

# Regional Working Group South China Sea (10 minutes)

1. Mr Dakui Wang (China), Chair PTWS WG-SCS will present the [Report of WG-SCS-X session](https://oceanexpert.org/downloadFile/49671), available also as a [Presentation](https://oceanexpert.org/downloadFile/54603).
2. Member States may wish to provide comments or questions on the report of Regional Working Group South China Sea region.

# Regional Working Group Central America (10 minutes)

1. Dr Wilfried Strauch (Nicaragua), Vice-Chair WG-CA will present the [Report of the PTWS-CA-VI session](https://oceanexpert.org/downloadFile/54430), available also as a [Presentation](https://oceanexpert.org/downloadFile/54450).
2. Member States may wish to provide comments or questions on the report of Regional Working Group Central America

# Regional Working Group Pacific Islands Countries (10 minutes)

1. Ms Esline Garaebiti (Vanuatu), Chair WG-PICT will present the [Report of the PTWS-PICT-IX session](https://oceanexpert.org/downloadFile/54568), available also as a Presentation.
2. Member States may wish to provide comments or questions on the report of Regional Working Group Pacific Islands Countries.

# Regional Working Group South East Pacific (10 minutes)

1. Mr Matias Sifon (Chile), Chair and/or Mr Michael Linthon (Ecuador, Vice chair WG-SEP will present the [Report of the PTWS-WG SEP](https://oceanexpert.org/downloadFile/54429), available also as a [Presentation](https://oceanexpert.org/downloadFile/54428).
2. Member States may wish to provide comments or questions on the report of Regional Working Group South East Pacific.

# Task Team on Future Goals and Performance Monitoring (10 min)

1. Mr. Yuelong Miao (Co-Director of the Joint Australian Tsunami Warning Centre , JATWC-Australia) as a member of the Task Team -or Sarah-Jayne McCurrach (Head of Risk Reduction & Resilience, Toka Tū Ake Earthquake Commission-New Zealand) - will present the report of the Task Team, available as a Presentation (10 min).

# Report of PACWAVE 2022

Mr Emilio Talavera (Nicaragua) and or Ms Margarita Martinez (Chile), Co-Chairs of the TT on PacWave, will present a report on the PACWAVE 22 exercise, available as document and [presentation](https://oceanexpert.org/downloadFile/54630) (20 min) (Anthony Jamelot)

The floor will be opened to comments from Delegates after this report.

The Chair will indicate that the recommendation for the PacWave 2024 Exercise that will be discussed in detail in the intra-sessional Working Group and reported under Agenda Item 4.6 Pacific Wave Exercise 2024 in the afternoon. He will further highlight the need for of a revised ToR and Exercise Objectives.

Member States may wish to provide comments or questions on the report of PACWAVE 2022.

# Status of progress in other ICGs

Possible presentations are listed below:

# Ms. Regina Browne will report on ICG/CARIBE EWS, available as a [Presentation](https://oceanexpert.org/downloadFile/54629) (10 min).

# Dr. Yuelong Miao (Vice-Chair of ICG/IOTWMS) on behalf of Prof. Dwikorita Karnawati (Chair of ICG/IOTWMS) will report on ICG/IOTWMS, available as a [Presentation](https://oceanexpert.org/downloadFile/54594) (10 min).

*[Please note that there may most likely be a need to address some of these presentations to the following time-block, which in principle may provide a reserve time of 20 min]*

10:30 – 11:00 COFFEE BREAK -

# Reports from UN/non-UN organizations

Expected presentations are listed below:

Ms Litea Biukoto, Senior Advisor Risk Reduction, Disaster Risk Programme, Secretariat of the Pacific Community (SPC), will report on the SPC initiatives on Disaster Risk Reduction and cooperation with PTWS, available as a Presentation (10 min).

Ms Ceci Rodriguez and/or Dr Bruce Howe, Office of the Joint Task Force on SMART Cables will report on ITU/WMO/UNESCO IOC Joint Task Force on SMART Cables, available as a [Presentation](https://oceanexpert.org/downloadFile/54593) and Document (10 min).

Dr Nicolas Arcos (online) and/or Dr Laura Kong will report on NOAA/NCEI-WDS Integrated Tsunami Data: Support Research, Forecasts, Warnings, Response, Hazard and Risk Assessments, available as a [Presentation](https://oceanexpert.org/downloadFile/54612) (10 min).

Mr Ofa’ Fa’anunu (Tonga, also WMO Vice-Chair for Region V) will report on Pacific Meteorological Council's Weather Ready Pacific Program, available as a Presentation (10 min).

# POLICY MATTERS

The Chair will remind participants that for several policy items intra-session Working Groups will discuss further the item following and initial discussion in plenary and will provide **written recommendations on Thursday 14 September EOB**.

# PTWS Status Report

The Chair will present his report, available as a [Document](https://oceanexpert.org/downloadFile/54453). (20 min)

Member States may wish to provide comments or questions on the report of the PTWS Status.

# TSUNAMI READY Recognition

1. Dr Laura Kong (Director of the International Tsunami Information Centre-ITIC) and Dr. Ashleigh Fromont (Senior Advisor, Hazard Risk Management. Risk and Recovery. National Emergency Management Agency-NEMA,New Zealand) will present their report, available as a Document on [Tsunami Ready Governance in the PTWS](https://oceanexpert.org/downloadFile/54539), an information [Document on Recognition in Countries with existing Tsunami DRR Programmes](https://oceanexpert.org/downloadFile/54577) and a Presentation. (20 min)
2. Member States may wish to provide comments or questions on the report of the Tsunami Ready Recognition Programme.

# Minimum Competencies for NTWCs

1. Mr Ofa’ Fa’anunun (Tonga) and Dr Laura Kong (ITIC), Co-Chairs of the WG2 Task Team on Minimum Competency Level for NTWC Operators will present their report, available as a [Document](https://oceanexpert.org/document/33095). (20 min) and [Presentation](https://oceanexpert.org/downloadFile/54633).

Member States may wish to provide comments or questions on the report and approve it.

13:00 - 14:00 LUNCH BREAK

# Integration of PTWS sensors networks

1. Dr Bill Fry, Chair of the Task Team on Integrated PTWS Sensor Networks for Tsunami Detection and Characterization will present his report on this agenda item, available as chapter 5 of the [Report of WG2](https://oceanexpert.org/downloadFile/54566). (20min) and [Presentation](https://oceanexpert.org/downloadFile/54617).
2. Member States may wish to provide comments or questions on the report.

# Expansion of PTWS ESZ

1. Dr Chip McCreery, Director PTWC will present his report, available as Chapter 1.1.1 of the [Report of WG2](https://oceanexpert.org/downloadFile/54566). (20min) and as a [Presentation](https://oceanexpert.org/downloadFile/54595).
2. Member States may wish to provide comments or questions on the report and approve the expansion as proposed.

# Provision for Tsunami Services for the Maritime Community

1. Dr Chip McCreery, Director PTWC will present his report, available as Chapter 1.1.2. of the [Report of WG2](https://oceanexpert.org/downloadFile/54566). (20min) and as a [Presentation.](https://oceanexpert.org/downloadFile/54596)
2. Member States may wish to provide comments or questions on the report.

# Provision Revised User’s Manual and Services Overview Document

1. Dr Chip McCreery will present his report, available as a Chapter 1.1.4. of the [Report of WG2](https://oceanexpert.org/downloadFile/54566). (20min) and as a [Presentation](https://oceanexpert.org/downloadFile/54597).
2. Member States may wish to provide comments or questions on the report.

16:00 - 16:30 COFFEE BREAK

# PACWAVE 2024

1. XXX will present a report, available as a XXX. (20min)
2. Member States may wish to provide comments or questions on the report.

# Central America Tsunami Advisory Center (CATAC)

1. Dr Wilfried Strauch (Advisor on Earth Sciences, Instituto Nicaragüense de Estudios Territoriales, Nicaragua) will present his report, available as a XXX. (30min) and will also provide additional information about [CATAC’s draft user’s guide](https://oceanexpert.org/downloadFile/54584).
2. Member States may wish to provide comments or questions on the report.

# Ocean Decade Tsunami Programme (ODTP)

1. The Chair and Mr Mike Angove (USA) will present this agenda item, available as a [Presentation](https://oceanexpert.org/downloadFile/54572) (20min). Background information for this agenda item is the [IOC Technical Series 180](https://oceanexpert.org/downloadFile/54567) and the Executive Summary of the Ocean Decade Tsunami Programme Research, Development and Implementation Plan (ODTP RDIP), [available in six languages](https://oceanexpert.org/event/3920#agenda) in the meeting website.
2. Member States may wish to provide comments or questions on the report.

# Tsunami Generated by Volcanoes

* + 1. ptws procedures AND PRODUCTS FOR THE NEXT HTHH EVENT

1. Dr Chip McCreery will present this agenda item, available as a Presentation (20min). Background documents for this item are the [PTWS Interim Procedures Implementation Plan](https://oceanexpert.org/downloadFile/49836) and the HTHH Volcanic Tsunami Hazard Response: ICG/PTWS PTWC Interim Procedures and PTWS Products User’s Guide, V1.3, included under [IOC Circular Letter 2902](https://oceanexpert.org/downloadFile/54329). The ICG is expected to officially endorse PTWS Interim Procedures Implementation Plan and Users Guide at this session.
2. Member States may wish to provide comments or questions on the report.

18:00 DEADLINE FOR NOMINATIONS OF CANDIDATES FOR OFFICERS

**END OF DAY TWO**