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Agenda 1. Session Organisation (Welcome, Logistics, Agenda)

10 Minutes

TTTWO Membership & ToRs

IOC/A-31/ Decisions, Paris, 25 June 2021

IOC Decision A-31/3.4.1 -Warning Mitigation Systems for Ocean Hazards

Extends the tenure of the Working Group on Tsunamis and Other Hazards related to Sea-Level Warning and Mitigation Systems and its Task Teams on: (i) Disaster Management & Preparedness (TTDMP), and (ii) Tsunami Watch Operations (TTTWO), with terms of reference as given in IOC Resolution XXIV-14 [for TOWS-WG], report IOC/TOWS-WG-VI/3, Annex II [for TTDMP] and report IOC/TOWS-WG-X/3, Annex II (Appendix 1) [for TTTWO].

IOC/TOWS-WG-X/3, Annex II

Appendix 1

Terms of References for TOWS Task Team on Watch Operation

- Provide a mechanism to the ICGs for coordination of tsunami watch operations among the Tsunami Warning Systems;
- Maintain an inventory of current and proposed products and their dissemination methods;
- Recommend and promote harmonized terminology;
- Maintain an inventory of areas of responsibilities, geographical coverage, system architectures, and other relevant characteristics;
- Recommend operational standards, procedures and guidelines for regional and national providers of tsunami forecast information;
- Share and harmonise methods of detection and characterization, forecasting techniques and dissemination to enhance the accuracy and effectiveness of tsunami forecast information for users;
- Monitor status of the regional provision of tsunami forecast information; Report to TOWS-WG.

The representatives to the Inter-ICG Task Team on Tsunami Watch Operations shall be nominated by their respective ICG Chairpersons. The membership shall consist of two representatives from each ICG, and include representatives from the regional providers of tsunami threat information. The IOC Chair will appoint the Chair of the Task Team.

Name	Country	Organisation	Region/Role
Members			
Charles McCreery (Chair)	USA	Pacific Tsunami Warning Center	CARIBE-EWS
Daniel McNamara	USA	EarthScope Consortium	CARIBE-EWS
Jijavarapu Padmanabham	India	Indian National Center for Ocean Information Services	IOTWMS
Nasser Al Ismaili	Oman	General Directorate of Meteorology	IOTWMS
Pascal Roudil	France	Atomic Energy and Alternative Energies Commission	NEAMTWS
Stefano Lorito	Italy	National Institute of Geophysics and Volcanology	NEAMTWS
Akira Okagaki	Japan	Japan Meteorological Agency	PTWS
Zongchen Wang	China	National Marine Environmental Forecasting Center	PTWS
Observers			
Bruce Howe	USA	University of Hawaii	JTF-SMART
Ceci Rodriguez Cruz	USA	University of Hawaii	JTF-SMART
Nico Fournier	New Zealand	Earth Sciences New Zealand	WOVO
Dakui Wang	China	National Marine Environmental Forecasting Center	Ex-Chair TT TWO
Secretariat			
Srinivasa Kumar Tummala	IOC-UNESCO	Head, IOTWMS Secretariat	Technical Secretary

TTDMP Membership & ToRs

IOC Decision A-33/3.4.1

Annex 1 to Decision A-33/3.4.1

Task Team on Tsunami Disaster Management and Preparedness (TT DMP)

Revised Terms of Reference

Facilitate in collaboration with key international stakeholders and organizations (such as UNDRR, IFRC, UNDP, WMO, etc.), or initiatives (such as the Tsunami Ready Coalition, Coastal Inundation Forecasting Initiative etc.) the exchange of experiences and information on preparedness and mitigation actions, education/awareness, and other matters related to disaster management and preparedness for tsunamis and other coastal sea level related hazards;

Promote and facilitate the implementation of Tsunami Ready Recognition Programme, and similar initiatives, as well as related capacity development efforts, specifically targeting SIDS and LDCs;

Promote preparedness to build resilient coastal communities through education and awareness products and campaigns;

Facilitate capacity development and training across ICGs to strengthen emergency response capabilities of Member States and their Disaster Management Offices;

Promote existing and encourage the development of preparedness programmes and assessment tools, and synergies with other initiatives (e.g. resilient cities, safe schools etc) that have been successful in one regional Tsunami Warning and Mitigation Systems as appropriate;

Facilitate the coordination of the TICs of the ICGs and reinforce their ability to serve as a clearinghouse for the development of educational and preparedness products, and capacity development and training;

Report to the TOWS-WG.

The representatives to the Inter-ICG Task Team on Disaster Management and Preparedness shall be nominated by their respective ICG Chairpersons. The membership shall consist of two representatives from each ICG, one of which may represent the ICG's Tsunami Information Centre. The IOC Chair will appoint the Chair of the Task Team.

Name	Country	Organisation	Region/Role
Ashleigh Fromont	New Zealand	NEMA)	ICG/PTWS /Chair TT DMP
Denis Chang Seng	France	IOC	Technical Secretary TT- DMP ICG/NEAMTWS & CoastWAVE Project Lead
Elena Daskalaki	Greece	NOA	ICG/NEAMTWS Co-Chair of Tsunami Ready
Ignacio Aguirre Ayerbe	Spain	IH Cantabria	ICG/NEAMTWS Vice-Chair
Suci Dewi Anugrah	Indonesia	BMKG	IOTWMS
Engin Koncagul	Indonesia	Science Unit & Representative for DRR, UNESCO Jakarta	Representing the Head, IOTIC
Laura Kong	USA	ITIC	ITIC, ICG/PTWS
Alison Brome	Caribbean	CTIC	CTIC, ICG/CARIBE-EWS
Silvia Chacon	Costa Rica	National Tsunami Monitoring System	ICG/CARIBE-EWS
Derya Vennin	France	IOC	ICG/NEAMTWS / CoastWave Project
Invited Experts and Observers			
Regina Khanbekova	Switzerland	UNDRR	Communications
Alessandro Amato	Italy	INGV	ICG/NEAMTWS Chair
Prof Amr Hamouda	Egypt	NIOF	ICG/NEAMTWS Vice-Chair
Prof Harkunti Rahayu	Indonesia	Institut Teknologi Sumatera (ITERA)	Observer /Ex-Chair TT DMP
Ardito Kodijat	Indonesia		Observer/ Ex- Head, IOTIC

TT Meeting Schedule & Joint TT Meeting Agenda



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[Event Website - https://oceanexpert.org/event/4957](https://oceanexpert.org/event/4957)

04 March 2026 13:00-16:00UTC	TTTWO + TTDMP Agenda	Lead / Presenter
13:00-13:10	1. Session Organisation (<i>Welcome, Logistics, Agenda</i>)	Chairs & Secretariat
13:10-13:20	2. Review of Joint Actions	Chaired by Chip Denis & Srinivas
13:20-14:10	3. ICG Reporting on Wave Exercises (<i>10 min presentation by each ICG; Standard Reporting Template for all ICGs</i>)	Chaired by Ashleigh ICG Reps [<i>IOTWMS by Ajay, CARIBE-EWS by CM, NEAMTWS by Ignacio Aguirre Ayerbe, PTWS by LK</i>]
14:10-14:50	4. Significant Events in each ICG (<i>Kamchatka, etc</i>) (<i>10 min presentation by each ICG; Discussion</i>)	Chaired by Chip ICG Reps [<i>IOTWMS by Nasser, PTWS by AO, LK, CARIBE-EWS by CM, NEAMTWS</i>]
14:50-15:00	Health Break	
15:00-15:20	5. Review of the IOC Post-Event Assessment Process & Questionnaire (<i>Kamchatka post-event Assessment</i>)	Chaired by Chip Laura Kong
15:20-15:30	6. Visual Based Approach for TEW chain	Chaired by Ashleigh Harald Spahn
15:30-15:40	7. Update on First ODTP Conference, ITS & IUGG	Chaired by Ashleigh Silvia, Maria Ana, Denis, Srinivasa
15:40-15:50	8. Update on EW4All	Chaired by Ashleigh Denis, Srinivas
15:50-15:55	9. Any Other Business (TWS Competency Training)	Chaired by Chip Laura Kong
15:55-16:00	10. Summary of Actions & Recommendations & Close of the Joint Meeting	Chairs & Secretariat

Meeting	Date & Time	Meeting Links
Joint TTDMP & TTTWO	04 March 1300 to 1600 UTC	https://teams.microsoft.com/meet/36986898807604?p=KSQ6ZID1KTx2jLYWc9
TTTWO	05 March 0700 to 1000 UTC 06 March 1000 to 1300 UTC	https://teams.microsoft.com/meet/37764000565064?p=LA7JGH9SOHXap7zS8G
TTDMP	05 March 0700 to 1000 UTC 06 March 1000 to 1300 UTC	Day 1 https://teams.microsoft.com/meet/39060443002746?p=sVKq6tMAzVz4KnZT2m Day-2 https://teams.microsoft.com/meet/36165341411659?p=WLkqZ88YDGLqeC6Hz9

TOWS-WG Meeting is scheduled for 30-31 March 2026