



ICG/CARIBE-EWS Steering Committee Meeting

27 and 29 January 2025
(online)

Agenda Items 3, 7.3, 7.4, 8.1, 9.1, 9.2, 9.3

Öcal Necmioğlu

Technical Secretary of ICG/CARIBE-EWS
Tsunami Resilience Section

3. REVIEW OF IMPLEMENTATION STATUS OF THE ICG/CARIBE-EWS ACTIONS

CARIBE-EWS ACTION MONITOR OVERVIEW							
22-Jan-25	COMPLETED	IN PROGRESS	DELAYED	FAILED	NOT STARTED	CANCELED	TOTAL
#	19	28	2	3	12	0	64
%	30	44	3	5	19	0	100

- Completed actions will be archived after ICG/CARIBE-EWS XVIII
- Number of actions are considerably high (64 vs 36 in the PTWS).
- It's highly recommended to adopt SMART (Specific, Measurable, Achievable, Relevant, and Time-Bound) principles for future actions.
- Also considering the limits in resources, a “priority” category may be assigned for the actions...
- Details in the excel file to be presented...

7.3 PLANS FOR DIGITAL ELEVATION MODELS FOR TSUNAMI INUNDATION MODELLING TRAINING

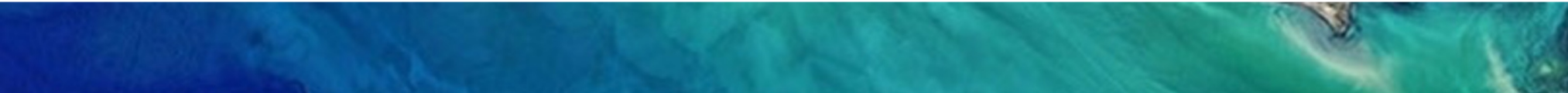
- Request from ICG/CARIBE-EWS XVI (C-2023-04-07)
- There is a need to establish a baseline so that MS representatives can develop an understanding of the data, associated quality requirements, and its basic use.
- Tentative period for the training course is end November/early December 2025
- Training to be provided by the University of Colorado, Boulder (USA) / National Earthquake Information Center (NEIC)
- 12 participants in total, 2 tutors from NEIC, plus 1 expert from IOC
- No need for high-speed internet connection
- Open-source software should be preferred.
- Minimum 6-months in advance notification required.
- All funding to be tentatively provided by the IOC, but IOC will investigate the possibility of co-funding with the WMO framing the workshop as "Digital Elevation Model Development Training for Coastal Inundation Hazards"
- Required software should be ready to be utilized right at the onset of the training. Some online sessions prior the training may be necessary for this purpose.
- Member States (MS) expert may not necessarily have the required background/hardware/software, including IT elements such as installing a virtual machine or basic Linux skills. IOC will investigate possible e-learning modules on the web which may be used as a pre-requisite for participation.

7.3 PLANS FOR DIGITAL ELEVATION MODELS FOR TSUNAMI INUNDATION MODELLING TRAINING

- Participants could be encouraged to bring their own dataset preferably with a specified format, but this is not a requirement.
- Training may focus on developing a joint DEM for a portion of the Caribbean
- Participants will not receive DSA - the cost of flights/local transfers/accommodation/meals of the participants will be covered by the IOC (and also by WMO in case of a joint activity)
- We need to explore if synergies can be established with the institutions below (but not limited to)
 - West Indies University (GIS/coastal hazards experts)
 - University of Guadeloupe
 - Collectivité Territoriale de Martinique
 - University of Puerto Rico-Mayaguez Campus

Steering Committee is requested to provide feedback on the following:

- 1) What is the real need for this training? How many MS are in a position to send trainees and make use of the training?**
- 2) Which MS can host this training (and support logistical arrangements?)**



7.4 PLANS FOR TRAINING ON SEA-LEVEL STATION AND TIDE-GAUGE DATA ANALYSIS



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- Request from MTOM 2024/02 and ICG/CARIBE-EWS XVII (C-2024-02-06 and C-2024-05-07)
Organize sea level training courses in English and Spanish languages in alternating years with the support of NOAA and the Secretariat, and in close collaboration with the International Hydrographic Organization
- The purpose of the course is to provide hydrographers, surveyors and entry level oceanographers with knowledge of tidal theory, the different uses of water level data, how water level data is used in support of hydrographic surveys, water level quality control, installation, trouble shooting, and maintenance of tide gauges, leveling and ensuring sensor vertical control
- Specific elements for tsunami data analysis will be included
- Training to be provided by NOAA
- Funding from IHO is secured
- PRSN and CARICOOS will joint host this training in Puerto Rico (tentatively during 7-11 July 2025, in San Juan or Mayagüez)
- CL to be issued by the end of 2025/02
- A max of 30 participants (including instructors)
- 4 days classroom – 1 day field training
- No DSA for trainees, all-inclusive arrangement (catering, flights, accommodation, catering, all transfers in Puerto Rico) to be covered by the IOC and IHO.



8.1 REVIEW OF OUTCOMES OF THE 2nd GLOBAL TSUNAMI SYMPOSIUM

2nd UNESCO-IOC Global Tsunami Symposium:

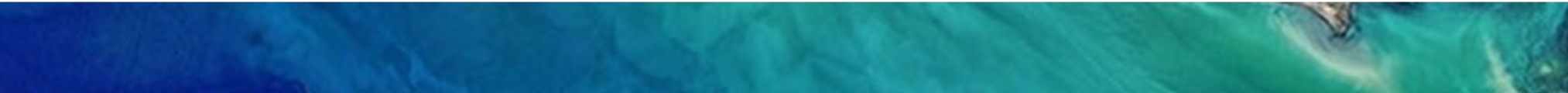
Two Decades After 2004 Indian Ocean Tsunami - Reflection and the Way Forward Summary Statement

Draft available (<https://oceanexpert.org/document/35458>)

The report summarizes Current Status, Gaps, and Future Priorities for the 7 sessions of the Symposium:

- 1) Review of the Tsunami Warning and Mitigation System over Past two Decades
- 2) Tsunami Generated by Non-seismic and Complex Sources
- 3) Tsunami Hazard and Risk Assessment
- 4) Tsunami Detection, Warning, Dissemination and Response
- 5) Achieving 100% Communities at Risk to be Prepared and Resilient to Tsunami by 2030
- 6) Other Critical Issues for Building Community Resilience
- 7) Contributions of Tsunami Early Warning to Global Initiatives

Review process is ongoing. The report will be finalised for publication in time for the TOWS-WG Meetings in February 2025.



8.1 REVIEW OF OUTCOMES OF THE 2nd GLOBAL TSUNAMI SYMPOSIUM



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9.1 STATUS OF ICG/CARIBE-EWS XVIII (INCLUDING ELECTIONS)

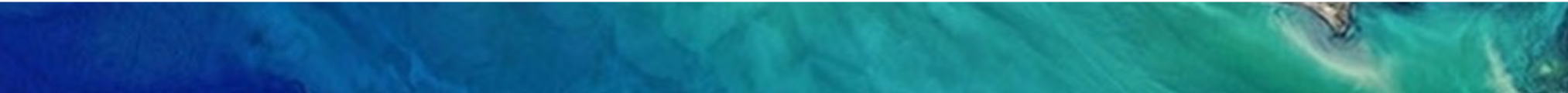
ICG/CARIBE-EWS XVII:

The ICG decided to hold the ICG/CARIBE-EWS-XVIII in-person in the week of 5 May 2025 and to consider organizing a back-to-back Tsunami Ready Summit to review the benefits and lessons learned and to establish a road map towards 100 percent communities prepared for and resilient to tsunamis through efforts like Tsunami Ready.

The ICG decided to conduct ICG/CARIBE-EWS-XVIII virtually if no official communication from neither France (Martinique), Panama or any other Member State interested in hosting ICG/CARIBE-EWS-XVIII is officially communicated to the Secretariat by 9 August 2024.

Neither Panama nor Martinique (France) was able to host the ICG/CARIBE-EWS XVIII.

Secretariat announced on 9 January 2025 that the ICG/CARIBE-EWS XVIII will have to take place online.



9.1 STATUS OF ICG/CARIBE-EWS XVIII (INCLUDING ELECTIONS)



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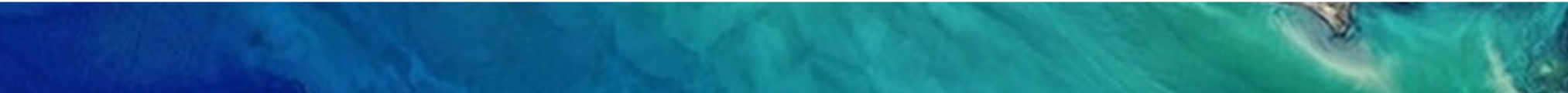
The 57th Session of the IOC Executive Council (2024/06) noted the need for both ICG/PTWS and ICG/CARIBE-EWS to engage closely with Argentina.

Argentina is invited to the ICG/PTWS XXXI (7-11 April 2025, Beijing-China) as an observer. Accordingly, Argentina should also be invited to the ICG/CARIBE-EWS XVIII.

ICG/PTWS during its 31st session will most likely recommend Argentina to become a permanent Observer to the ICG/PTWS. Similar recommendation from the ICG/CARIBE-EWS at its 18th session could be considered.

These recommendations will be considered at the 33rd Session of the IOC General Assembly (2025/06-07).

Steering Committee is requested to approve the invitation of Argentina to ICG/CARIBE-EWS XVIII as an Observer.



9.1 STATUS OF ICG/CARIBE-EWS XVIII (INCLUDING ELECTIONS)



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Mr. Anthony Murillo Gutierrez (ES) is not eligible for re-election as he has changed his affiliation.

If needed, the voting for the new Officers will have to take place through the Permanent Delegations, in this case. If, however, there would be only one nomination for the Chair position, and 3 nominations for the Vice-Chair positions, no voting would be necessary. In this regard, please note that the IOC general practice is working and deciding by consensus (Rule 38.2). Should voting be necessary, decisions shall be made by a simple majority of the members present and voting (Rule 43.1), by secret ballot.

- 1) Feedback from the current Chair (FR) and two Vice-Chairs (EN and FR) on their availability to serve another term is needed.
- 2) A candidate for the vacant Vice-Chair position (ES) is needed.
- 3) A new Chair for WG4 is needed.
- 4) SC is required to advise the Chair on the simultaneous interpretation needs.
- 5) SC is required to advise the Chair on the days/times of the ICG/CARIBE-EWS XVIII.

9.1 STATUS OF ICG/CARIBE-EWS XVIII (INCLUDING ELECTIONS)

Steering Committee is requested to make a decision on the schedule and agenda of the ICG/CARIBE-EWS XVIII...

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION of UNESCO
Seventeenth Session of the Intergovernmental Coordination Group for the Tsunami and Other Coastal Hazards Warning System
for the Caribbean and Adjacent Regions (ICG/CARIBE-EWS XVII)
Managua, Nicaragua, 6-9 May 2024
PROVISIONAL TIMETABLE

Hour	Monday 6 May 2024	Tuesday 7 May 2024	Wednesday 8 May 2024	Thursday 9 May 2023
8:00-9:00	REGISTRATION/LOGISTICS			
9:00-10:30	1. WELCOME AND OPENING 1.1. NICARAGUAN AUTHORITIES (20 min) 1.1.1 INETER (5 min) 1.1.2 SINAPRED (5 min) 1.1.3 DCN (5 min) 1.1.4 CATAAC (5 min) 1.2. Nicaraguan National Commission for UNESCO (5 min) 1.3. UNESCO-IOC (5 mins) 1.4. ICG/CARIBE-EWS Chair (5 mins) 2. ORGANIZATION OF THE SESSION 2.1. Adoption of the Agenda (5 min) 2.2. Designation of the Rapporteur(s) (5 min) 2.3. Conduct of the Session, Timetable and Documentation (15 min) 3. REPORTS ON INTERSESSIONAL ACTIVITIES 3.1. Chair's Report (15 mins) 3.2. CARIBE-EWS Secretariat Report (15 min)	3. REPORTS ON INTERSESSIONAL ACTIVITIES (continued) 3.9. Report of Caribe Wave 2024 (30 min) 3.10. Tsunami Ready Recognition Programme (60 min)		8. INTRASESSIONAL WG_s REPORTS 9. NEXT SESSIONS 9.1. Confirmation of Date and Place of ICG/CARIBE-EWS XVIII 9.2. Target Date and Venue for ICG/CARIBE-EWS XIX
		7. INTRASESSIONAL WG_s MEETINGS		
10:30-11:00	COFFEE BREAK + Group Photo	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
11:00-12:30	3. REPORTS ON INTERSESSIONAL ACTIVITIES (continued) 3.3. Report of CTIC (30 mins) 3.4. Reports from UN and non-UN organizations 3.4.1 IOC/CARIBE (15 mins) 3.4.2 UNDRR (WTAD and EW4All) (15 min) 3.4.3 WMO (15 min) 3.4.4 NCEI/WDS (15 min)	4. WORKING GROUP PROGRESS REPORTS 4.1. Working Group 1 (30 mins) 4.2. Working Group 2 (30 mins) 4.3. Working Group 3 (30 mins)	7. INTRASESSIONAL WG_s MEETINGS (continued)	10. ADOPTION OF DECISIONS AND RECOMMENDATIONS
12:30-13:30	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
13:30-15:00	3. REPORTS ON INTERSESSIONAL ACTIVITIES (continued) 3.4.5 Puerto Rico Seismic Network (PRSN) (15 min) 3.4.6 SMART Cable (15 min) 3.5. Status of other ICGs 3.5.1 ICG/IOTWMS (10 min) 3.5.2 ICG/NEAMTWS (10 mins) 3.5.3 ICG/PTWS (10 min) 3.6. Tsunami Services Provider Report (PTWC) (30 min)	4. WORKING GROUP PROGRESS REPORTS (continued) 4.4. Working Group 4 (30 mins) 5. POLICY MATTERS 5.1. Review of TOWS-WG-XVII Recommendations (30 min) 5.2. Exercise Caribe Wave 2025 (30 mins)	7. INTRASESSIONAL WG_s MEETINGS (continued)	10. ADOPTION OF DECISIONS AND RECOMMENDATIONS (continued)
15:00-15:30	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
15:30-17:00	3. REPORTS ON INTERSESSIONAL ACTIVITIES (continued) 3.7. CATAAC Report (30 min) 3.8. National Progress Reports (60 mins)	5. POLICY MATTERS (continued) 5.3. CATAAC (30 min) 5.4. UN Ocean Decade Tsunami Program (30 min) 5.5. 2 nd Global Tsunami Symposium (15 min) 6. PROGRAMME AND BUDGET FOR 2024-2025 (15 min)	7. INTRASESSIONAL WG_s MEETINGS (continued)	11. ICG/CARIBE-EWS WGS AND TT MEMBERS LIST 12. ANY OTHER BUSINESS 13. CLOSE OF THE SESSION
18:30-21:00	RECEPTION / WELCOME DINNER			

Fifteenth Session of the Intergovernmental Coordination Group for the Tsunami and Other Coastal Hazards Warning System for the Caribbean and Adjacent Regions
(ICG/CARIBE EWS-XV)
Online 14:00-16:00 UTC
27–29 April 2021

PROVISIONAL TIMETABLE

Hour	Tuesday, 27 April 2021	Wednesday, 28 April 2021	Thursday, 29 April 2021
14.00-15.00	1. WELCOME AND OPENING 1.1 Silvia Chacón-Barrantes ICG/CARIBE-EWS Chair (5 min) 1.2 Welcome Address by IOC Executive Secretary (10 min) 2. ORGANIZATION OF THE SESSION (5 min) 2.1 Adoption of the Agenda 2.2 Designation of the Rapporteur(s) 2.3 Conduct of Session, Timetable and Documentation 3. REPORTS ON INTERSESSIONAL ACTIVITIES 3.1. Chair's Report (10 min) 3.2. CARIBE-EWS Secretariat Report (15 min) 3.3. Report of CTIC (15 min)	4. WORKING GROUP PROGRESS REPORTS 4.1 Working group 1 (15 min) 4.2 Working group 2 (15 min) 4.3 Working group 3 (15 min) 4.4 Working group 4 (15 min) 5. POLICY MATTERS 5.1. Exercise Caribe Wave 2022 (15 min) 5.2. Report of The Task Team on Tsunami Ready Programme (15 min) 5.3. Report of The Task Team on Tsunami Procedures for Volcanic Crises (15 min) 5.4. Report of the Task Team on Tsunami Evacuation Mapping (15 min)	5.5 UN decade for Ocean Science for Sustainable development (40 min) 6. PROGR. & BUDGET FOR 2021-2022 (10 min) 7. NEXT SESSIONS (10 min) 7.1 DATES/PLACE OF ICG/CARIBE EWS-XVI 7.2 TARGET DATES FOR ICG/CARIBE EWS-XVII 8. ANY OTHER BUSINESS (10 min) 9. ADOPTION OF DECISIONS AND RECOMMENDATIONS (30 min) 10. CLOSE OF THE SESSION (10 min)
15.00 - 16.00	3.4. Reports from UN and non-UN organizations (WTAD) (10 min) 3.5. Status of other ICGs (10 min) 3.6. Tsunami services Provider Report (PTWC) (15 min) 3.7. Report of CATAAC (5 min) 3.8. Report on CaribeWave 2021 (15 min)		

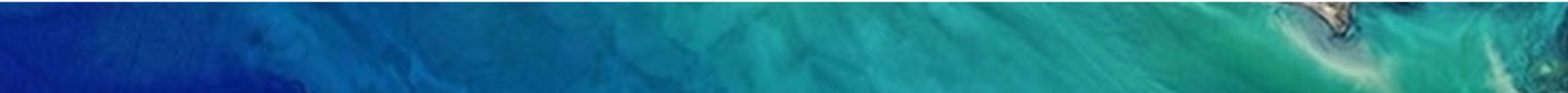
9.2 PREPARATIONS OF ICG/CARIBE-EWS XIX

ICG/CARIBE-EWS XVII

- *Further notes that 2026 will be the 20th anniversary of the first session of the ICG/CARIBE- EWS which took place in 2006 in Barbados*
- *Recommends conducting the ICG/CARIBE-EWS XIX in-person tentatively in the week of 20 April 2026,*
- *Further notes with appreciation the possibility of Barbados to host the ICG/CARIBE-EWS XIX,*
- *Further decides to organize an event back-to-back with ICG/CARIBE-EWS XIX in close coordination with IOCARIBE, WMO, UNDRR and other stakeholders in the Caribbean and Adjacent Regions to promote accomplishments of the ICG/CARIBE-EWS, focus on current and remaining challenges and provide an outlook within the MHEWS framework and aligned with the objectives of EW4All,*

A letter has been sent to CZMU (Barbados) on 14 October 2024 inviting Government of Barbados to officially communicate to IOC on its hosting of ICG/CARIBE-EWS by 30 March 2025.

Several meetings were organized with CZMU and CTIC is in the process of finalizing the draft of the Cabinet Paper to support the CZMU in its internal administrative process. We remain hopeful that the official communication will take place by the end of April, if not by the end of March.



9.3 OUTLOOK TO ICG/CARIBE-EWS XX



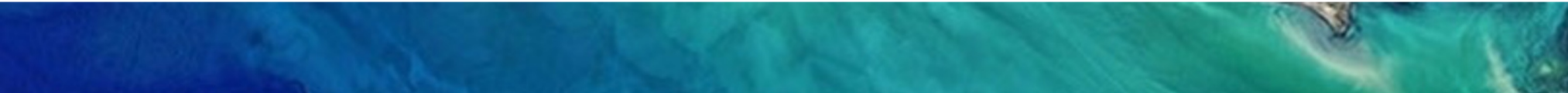
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- *Decides to consider conducting its future sessions from 2026 onwards in-person only every second year, and online every other*

Noting the recent challenges experienced in identifying host countries, it's highly recommended to adopt this scheme above.





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THANK YOU 