



## **INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION**

**(of UNESCO)**

### **Inter-Sessional Meeting of the Intergovernmental Coordination Group for the**

### **Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS)**

**23 – 24 November 2021**

### **PROVISIONAL ANNOTATED AGENDA**

#### **1. WELCOME AND OPENING**

The opening and information on conduct of the meeting will be provided by:

1.1. Welcome Speech by Mr. Rick Bailey, Head of Secretariat for IOC-UNESCO IOTWMS

In his speech, the Head of Secretariat for the IOC-UNESCO IOTWMS will advise the group this intersessional meeting is being held online due to the impacts of COVID-19 on scheduling and hosting face-to-face meetings of the ICG, especially due to restrictions placed on international travel. He will remind the group the purpose of this meeting is to provide progress reports to the Member States of the IOTWMS before the next formal meeting ICG/IOTWMS-XIII, when final reports will be tabled for Member State review and elections held as required.

1.2. Opening address by Professor Dwikorita Karnawati, Chair of the ICG/IOTWMS, who will declare the meeting open.

In her address, the Chair, will advise the more formal next meeting of the ICG/IOTWMS-XIII is planned for immediately before or after the 7th Session of the Global Platform for Disaster Risk Reduction (GP2022), which is to be held 23–28 May 2022 in Bali, Indonesia.

1.3. The winning entrants from each of the four regions of the Indian Ocean for the U-Inspire Indian Ocean Youth Short Video Competition on Tsunami Awareness will be played to the meeting.

1.4. Organisation of the meeting, by Ms Nora Gale, from the IOTWMS Secretariat

1.5. Adoption of the Agenda

The Chair, Professor Dwikorita Karnawati, will introduce the provisional agenda timetable and provisional annotated agenda. She will inform the meeting that the agenda was prepared by the Secretariat and the Chair, taking into account the recommendations of ICG/IOTWMS-XII, as well as the IOC Rules of Procedure. She will then open the meeting for comments on the agenda from delegates.

The agenda will then be approved as presented or with amendments as decided by the delegates.

Immediately after the opening the meeting will briefly suspend for a few minutes to proceed with an online group picture.

To resume the meeting, the Chair will immediately proceed with Agenda Item 2

## **2. ICG CHAIR REPORT**

The Chair will report on the inter-sessional activities of the ICG since its last meeting. She will also report on the 14<sup>th</sup> and 15<sup>th</sup> meetings of the Steering Group.

The Chair will invite comments from the delegates.

## **3. REPORT FROM THE IOC SECRETARIAT**

Mr. Rick Bailey, Head of ICG/IOTWMS Secretariat, will present a report focusing on the activities of the ICG/IOTWMS Secretariat since the last session of the ICG. He will briefly report on the implementation of ICG/IOTWMS decisions, recommendations and actions.

The Chair will invite comments from the delegates.

## **4. REPORT OF THE INDIAN OCEAN TSUNAMI INFORMATION CENTRE (IOTIC)**

Mr. Ardito Kodijat, Head of Disaster Risk Reduction and Tsunami Information Unit at UNESCO Jakarta, and Head of the IOTIC will introduce this agenda item. He will report on activities at Indian Ocean Tsunami Information Centre (IOTIC)(<http://iotic.ioc-unesco.org/>) since the last session of the ICG. In particular, he will advise outcomes from World Tsunami Awareness Day (WTAD) on 5<sup>th</sup> November. He will also advise overall progress on the UNESCAP funded project “Strengthening Tsunami Warning in the North West Indian Ocean through Regional Cooperation”

The Chair will invite comments from the delegates.

## **5. REPORT ON THE TSUNAMI AND OTHER HAZARDS RELATED SEA LEVEL WARNING AND MITIGATION SYSTEMS WORKING GROUP (TOWS-WG)**

Under this agenda item, Mr. Rick Bailey, Head of ICG/IOTWMS Secretariat, will inform the plenary of the two meetings of the Tsunami and Other Hazards Related to Sea level Warning and Mitigation Systems Working Group ([TOWS-WG](#)) that were held in the inter-sessional period. Meetings of both the TOWS-WG Task Team on Tsunami Watch Operations and the Task Team Disaster Management and Preparedness were also held back-to-back with these meetings.

The Chair will invite comments from the delegates.

## **6. UN OCEAN DECADE**

Mr Bernardo Aliaga, Head of IOC-UNESCO Tsunami Unit, will provide an update on the UN Decade of Ocean Science for Sustainable Development, 2021 – 2030 (the “Ocean Decade”) (<https://www.oceandecade.org/>). He will particularly make mention of the Safe Ocean Outcome, which is of high relevance to the IOC Tsunami Programme.

The Chair will invite comments from the delegates. She will also discuss and invite possible ICG/IOTWMS Member State contributions and commitments to the UN Ocean Decade.

## **7. STRATEGIC PATHWAY**

The outcomes from the World Tsunami Awareness Day (WTAD) webinar held on 10<sup>th</sup> November 2021 on developing a strategic pathway for the IOTWMS within the context of UN Decade for Ocean Science will be discussed and how the ICG/IOTWMS will use in shaping future directions..

## **8. IOTWMS CAPACITY ASSESSMENT**

Dr Harkunti Rahayu, former Chair of the Task Team on Capacity Assessment of Tsunami Preparedness, will present the results of the Capacity Assessment of Tsunami Preparedness in the Indian Ocean, Status Report, 2018. The report was published in 2020 as IOC Technical Series 143 (<https://unesdoc.unesco.org/ark:/48223/pf0000373680>)

The Chair will invite comments from the delegates and facilitate discussion on the findings.

## **9. TSUNAMI READY**

The current status of the IOC tsunami Ready Programme will be presented. Discussions will then revolve around implementing the programme in the Indian Ocean to reach the Un Ocean Decade goal of 100% of at-risk coastal communities being Tsunami Ready.

## **10. THE IMPACTS OF COVID**

In 2020 the ICG/IOTWMS distributed to Member States Guidelines for Tsunami Warning Services, Evacuation, and Sheltering during COVID-19s ([ICG IOTWMS COVID-19 Guidelines](#)). The document is aimed at national authorities responsible for the organisation of tsunami warning and emergency response. It clarifies the status of the regional tsunami services for the Indian Ocean and suggests best practices for national and local actions during the COVID-19 pandemic.

UNESCO-IOC also requested monitoring network operators and TSPs operating within each regional tsunami warning and mitigation system to complete an assessment on the impact of COVID-19 on operations, data, procurement and risks. ICG/IOTWMS Working Group-2 on Tsunami Detection Warning and Dissemination (WG-2) analysed the responses submitted by the IOTWMS ([Impacts of COVID on IOTWMS monitoring systems and TSPs](#))

Dr Harkunti Rahayu, Chair of ICG/IOTWMS Working Group-1, Tsunami Risk Community Awareness and Preparedness (WG-1), will present the results of a recent survey that provided an analysis on the impact of COVID-19 on tsunami preparedness and the uptake of these guidelines by Member States.

The Chair will invite comments from the delegates.

## **11. PROGRESS REPORT BY ICG/IOTWMS TASK TEAM ON EXERCISE INDIAN OCEAN WAVE 2020**

Ms Weniza (Indonesia), Chair of the ICG/IOTWMS Task Team on Exercise Indian Ocean Wave 2020 (IOWave20), will report on the planning, conduct and outcomes of the IOWave20 exercise, which took place on 6 – 20 October 2020. She will present the results of the exercise based on the feedback forms received from Tsunami Service Providers (TSPs), National Tsunami Warning Centres (NTWCs) and National Disaster Management Organisations (NDMOs) that participated in the exercise. She will advise a draft Report on IOWAVE20 will be provided to ICG/IOTWMS-XIII.

The Chair will invite comments from the delegates.

## **12. IOTWMS MEMBER STATE FUTURE PLANS AND ISSUES**

The Chair will request Delegations to may make short presentations on the status, future plans and any issues with their national tsunami warning and mitigation systems, using the standard

PowerPoint presentation template provided prior to the meetings. The Chair will request that the time used for reporting is reduced to as much as possible to allow more time for exchange of views.

The Chair will ask the member States to provide copies of the PPTs to the Secretariat for posting on the website. Member States are kindly asked to provide a written statement (5 to 10 lines) on important progress, future plans and gaps to the Secretariat for the inter-sessional meeting report.

### **13. IOTWMS STATUS REPORTING**

Mr Rick Bailey, Head of ICG/IOTWMS Secretariat, will outline plans to utilise and rationalise National Reports at future ICG meetings to enable routine monitoring of the status of the IOTWMS to continue. This will facilitate determinations and decisions by the ICG on the performance of the IOTWMS and inform decisions and recommendations.

## **14. IOTWMS TSUNAMI SERVICE PROVIDER PROGRESS REPORTS**

### **14.1 TSP AUSTRALIA**

### **14.2 TSP INDIA**

### **14.3 TSP INDONESIA**

Representatives from the TSPs of Australia, India and Indonesia will each report on their operational status, development and progress since the 12<sup>th</sup> Session of the ICG/IOTWMS. They will also report on their performance during the years 2019 and 2020 against the Performance Indicators established by the ICG/IOTWMS.

The Chair will invite and encourage the delegates to seek clarification and ask questions about any aspects of the TSPs' operational capacity.

## **15. ICG/IOTWMS WORKING GROUP PROGRESS REPORTS**

### **15.1 WORKING GROUP-1 PROGRESS REPORT: TSUNAMI RISK COMMUNITY AWARENESS AND PREPAREDNESS**

The Chair of Working Group-1, Dr Harkunti Rahayu (Indonesia), will present an update on the Group's activities and progress against its work plan in the intersessional period, highlighting any issues. She will provide an update on Tsunami Ready implementation globally and in the Indian Ocean.

The Chair will invite comments from the delegates.

### **15.2 WORKING GROUP-2 PROGRESS REPORT: TSUNAMI DETECTION, WARNING AND DISSEMINATION**

The Chair of Working Group-2, Dr Yuelong Miao (Australia), will present an update on the Group's activities and progress against its work plan in the intersessional period, highlighting any issues. He will also provide results of the regular IOTWMS Communications Tests.

The Chair will invite comments from the delegates.

### **15.3 REGIONAL WORKING GROUP FOR THE NORTH WEST INDIAN OCEAN (WG-NWIO) PROGRESS REPORT**

The Chair of WG-NWIO, Dr Mohammad Mokhtari (Iran), will present an update on the Group's activities and progress against its work plan in the intersessional period, highlighting any issues. In particular, he will report on general outcomes from the UNESCAP funded project "Strengthening Tsunami Warning in the North West Indian Ocean through Regional Cooperation", especially the development of National Working Groups to help revise, manage, and enhance national tsunami warning chains. He will also briefly discuss the enhanced scientific understanding of the tsunami hazard in the region.

The Chair will invite comments from the delegates.

## **16. ICG/IOTWMS TASK TEAM PROGRESS REPORTS**

### **16.1 TASK TEAM ON SCIENTIFIC TSUNAMI HAZARD ASSESSMENT OF THE MAKRAN SUBDUCTION ZONE**

Vice-Chair and Acting Chair of the Task Team on Scientific Tsunami Hazard Assessment of the Makran Subduction Zone, Dr Abdolmajid Naderi Beni (Iran), will present an update on the Task

Team's activities and progress against its work plan in the intersessional period, highlighting any issues. He will report on general outcomes from the UNESCAP funded project "Strengthening Tsunami Warning in the North West Indian Ocean through Regional Cooperation", especially the development of a Probabilistic Tsunami Hazard Assessment (PTHA) for the region with the help of international partners.

The Chair will invite comments from the delegates.

## **16.2 TASK TEAM ON TSUNAMI PREPAREDNESS FOR A NEAR-FIELD TSUNAMI HAZARD**

The Chair of the Task Team on Tsunami Preparedness for a Near-Field Tsunami Hazard, Dr. Mahmood Reza Akbarpour Jannat (Iran), will present an update on the Task Team's activities and progress against its work plan in the intersessional period, highlighting any issues. He will report on general outcomes from the UNESCAP funded project "Strengthening Tsunami Warning in the North West Indian Ocean through Regional Cooperation", especially the development of national tsunami warning chains and associated timeline critical Standard Operating Procedures (SOPs) for National Tsunami Warning Centres (NTWCs) and National/Local Disaster Management Offices (N/LDMOs) where there is a near-field tsunami hazard.

The Chair will invite comments from the delegates, especially the utility of NWIO outcomes for other areas with near-field tsunami hazard.

## **17. PLANNING FOR THE NEXT ICG/IOTWMS-XIII**

The Chair of the ICG/IOTWMS, Professor Dwikorita Karnawati, will detail plans to hold the next face-to-face, formal meeting of the ICG/IOTWMS immediately before or after the 7th Session of the Global Platform for Disaster Risk Reduction (GP2022), which is to be held 23 – 28 May 2022 in Bali, Indonesia ([UNDRR Event GP2022 Bali](#)). This will enable ICG/IOTWMS-XIII participants to potentially attend both meetings and liaise with multi-hazard early warning and disaster management practitioners from around the world.

## **18. CLOSING REMARKS**

Mr. Rick Bailey, Head of ICG/IOTWMS Secretariat and on behalf of IOC-UNESCO, will thank all the participants and those who helped organise the meeting. He will summarise some of the activities and issues to be considered at the next ICG/IOTWMS-XIII.

The Chair of the ICG/IOTWMS, Professor Dwikorita Karnawati, will thank all the participants and presenters. She will welcome and encourage as many as possible delegates to attend ICG/IOTWMS-XIII, with representation of both warning and disaster management agencies and authorities from each Member State. She will then close the meeting.