

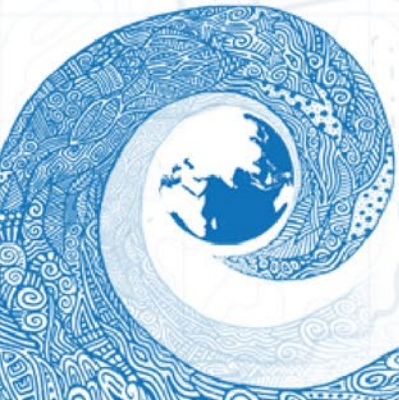
*Intersessional Meeting of
ICG/IOTWMS Regional Working Group
for the North-West Indian Ocean
30 May 2023*



Exercise Indian Ocean Wave 2023 (IOWave23) & Workshop on National Tsunami Warning Chain Standard Operating Procedures

*Nora Gale and Rick Bailey
UNESCO-IOC ICG/IOTWMS Secretariat*

*Acknowledgements:
ICG/IOTWMS Task Team on Exercise IOWave23*





Makran Trench

Andaman Trench

Java Trench

Heard Island Volcano





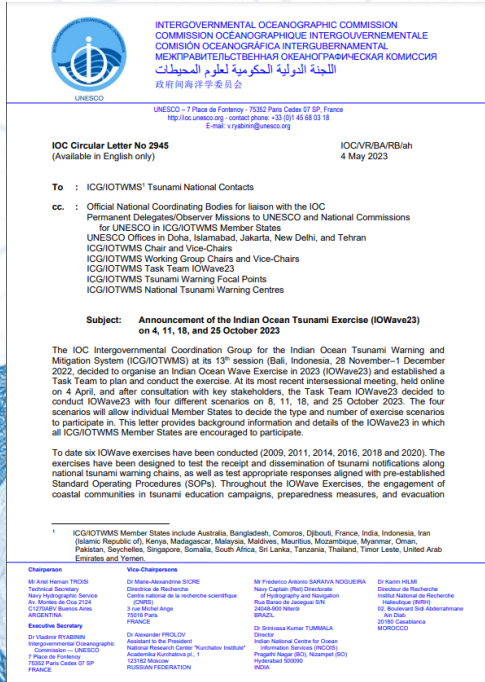
Exercise Indian Ocean Wave 2023 (IOWave23)

Scenario	1. Andaman Trench	2. Makran Trench	3. Heard Island Volcano	4. Java Trench
Date	4 October 2023 (Wednesday)	11 October 2023 (Wednesday)	18 October 2023 (Wednesday)	25 October 2023 (Wednesday)
Time	04:00 UTC	06:00 UTC	06:00 UTC	02:00 UTC
Magnitude	~M9	~M9	n/a	~M9
Depth	10 km	10 km	n/a	10 km
Latitude	7.20N	24.80N	53.10S	10.40S
Longitude	92.90E	58.20E	73.52E	112.80E
Location	Off west coast of Nicobar Islands, India	North-West Indian Ocean	Kerguelen Islands Region, Southern Ocean	South of Java, Indonesia





IOC Circular Letter 2945: Announcement of the Indian Ocean Tsunami Exercise (IOWave23) on 4, 11, 18, and 25 October 2023



The Circular Letter requests all Tsunami National Contacts to nominate one **National Contact to IOWave23** by 31 May 2023.

To date nominations have been received from 7 countries including India, Iran, Kenya, Madagascar, Myanmar, Mauritius, and Oman

Please ensure your countries nomination is received at the earliest, if not already provided.



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
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МЕЖПРАВИТЕЛЬСТВЕННАЯ ОКЕАНОГРАФИЧЕСКАЯ КОМИССИЯ
اللجنة الدولية الحكومية لعلوم المحيطات
政府間海洋学委員会

UNESCO - 7 Place de Fontenay - 75352 Paris Cedex 03 (FR) France
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E-mail: vryalme@unesco.org

IOC Circular Letter No 2945
(Available in English only)

IOCV/RBAR/Blah
4 May 2023

- To :** ICG/IOWTMS¹ Tsunami National Contacts
- cc:** Official National Coordinating Bodies for liaison with the IOC
Permanent Delegates/Observers Missions to UNESCO and National Commissions for UNESCO in ICG/IOWTMS Member States
UNESCO Offices in Doha, Islamabad, Jakarta, New Delhi, and Tehran
ICG/IOWTMS Chair and Vice-Chairs
ICG/IOWTMS Working Group Chairs and Vice-Chairs
ICG/IOWTMS Task Team IOWave23
ICG/IOWTMS Tsunami Warning Focal Points
ICG/IOWTMS National Tsunami Warning Centres

Subject: Announcement of the Indian Ocean Tsunami Exercise (IOWave23) on 4, 11, 18, and 25 October 2023

The IOC Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOWTMS) at its 12th session (Bali, Indonesia, 28 November–1 December 2022, decided to organise an Indian Ocean Wave Exercise in 2023 (IOWave23) and established a Task Team to plan and conduct the exercise. At its most recent interessional meeting, held online on 4 April, and after consultation with key stakeholders, the Task Team IOWave23 decided to conduct IOWave23 with four different scenarios on 8, 11, 18, and 25 October 2023. The four scenarios will allow individual Member States to decide the type and number of exercise scenarios to participate in. This letter provides background information and details of the IOWave23 in which all ICG/IOWTMS Member States are encouraged to participate.

To date six IOWave exercises have been conducted (2009, 2011, 2014, 2016, 2018 and 2020). The exercises have been designed to test the receipt and dissemination of tsunami notifications along national tsunami warning chains, as well as test appropriate responses aligned with pre-established Standard Operating Procedures (SOPs). Throughout the IOWave Exercises, the engagement of coastal communities in tsunami education campaigns, preparedness measures, and evacuation

¹ ICG/IOWTMS Member States include Australia, Bangladesh, Comoros, Djibouti, France, India, Indonesia, Iran (Islamic Republic of), Kenya, Madagascar, Malaysia, Maldives, Mauritius, Mozambique, Myanmar, Oman, Pakistan, Seychelles, Singapore, Somalia, South Africa, Sri Lanka, Tanzania, Thailand, Timor-Leste, United Arab Emirates and Yemen.

Chairperson	Vice-Chairpersons	Members	Observers
<p>Mr Axel HERTEL (FR)</p> <p>Tour de la Paix Nouvel Observateur Service de Médias 11, rue de Valenciennes 75001 Paris FRANCE</p>	<p>Dr Maria-Alexandra BOCHE Centre national de recherche scientifique 2 rue Michel Ange 75009 Paris FRANCE</p>	<p>Dr Francisco Antonio SARAIVA NOGUEIRA Núcleo Central (Polo Operacional) Rua Coronel João Romão 20140-000 Natal RN BRASIL</p>	<p>Dr Ezzim HELM Director de Relaciones Unidad Nacional de Resiliencia Ministerio del Interior Ej. Boqueron 581 Alameda San José COSTA RICA</p>
Executive Secretary	President of the President	Chairperson of the Chairperson	Members of the Members
<p>Dr Vladimir RYKOV International Oceanographic Commission 7 Place de Fontenay 75352 Paris Cedex 03 (FR) FRANCE</p>	<p>Dr Vladimir RYKOV Assistant to the President National Research Center "Numantny Institute" Avtomobilnaya Komsomolskiy pr., 1 123026 Moscow RUSSIAN FEDERATION</p>	<p>Dr Sriwansa Kumar TUMMALA Assistant to the President National Research Center for Ocean Information Services (NCOIS) Pattagiri Nagar (80), Nizampet (80) Hyderabad 500008 INDIA</p>	<p>Dr Ezzim HELM Director de Relaciones Unidad Nacional de Resiliencia Ministerio del Interior Ej. Boqueron 581 Alameda San José COSTA RICA</p>



IOWave23 Exercise Manual & Supplements

- The IOWave23 Exercise Manual and supplements are under preparation.
- The Task Team anticipates these will be finished at the end of June.
- All information and documents will be made available on the exercise website:

<https://oceanexpert.org/event/3916>



EXERCISE INDIAN OCEAN WAVE 23

**An Indian Ocean-wide Tsunami
Warning and Communications Exercise**

4–25 October 2023

Volume 1

Exercise Manual

North-West Indian Ocean SOP Development

- Much development has been undertaken on SOPs in the North-West Indian Ocean countries as part of the ESCAP-funded project on *Strengthening Tsunami Early Warning in the North-West Indian Ocean through regional cooperation*.
- Therefore, the upcoming ICG/IOTWMS SOP workshops will focus on other Member States in the Eastern and Western Indian Ocean.
- For NWIO countries, a workshop on TSP products, review of national tsunami warning chains, and SOP status will be held during the week of 17 July (to be confirmed).

Thank you.

*Nora Gale and Rick Bailey
UNESCO-IOC ICG/IOTWMS Secretariat*

Acknowledgements:

ICG/IOTWMS Task Team on Exercise IOWave23

