

Oman

Scenarios Exercised:

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| ☐ Sunda Trench (25 Sept) | ☐ Fani Maore Volcano (25 Oct) |
| ☒ Makran Trench (15 Oct) | ☐ Sumatra Trench (05 Nov) |



Detecting, Analyzing and Dissemination



Hot Debrief
with
stakeholders

Exercise Participants

Functional Exercise

**No real evacuation & No
society involved**

National Tsunami Warning & Mitigation System

Oman's system consists of: 26 seismic stations, 6 wave radars, 10 tide gauges, 10 GPS stations. These sensors provide continuous data to NTWC using SeisComp and TOAST systems. The system supports near-field and regional tsunami detection, modeling, and threat evaluation.

NCEM : Official call for evacuations for far-field

Royal Oman Police : Official call for evacuations for Near-Field.

National Organisation of Exercise IOWave25

How was it planned?

- Selection of the functional exercise format.
- Identification of participating national authorities.
- Preparation of the national operating timeline based on approved SOPs.
- Configuration of communication channels (SMS and email).
- Technical readiness of the Early Warning System.

Was the exercise used to evaluate Tsunami Ready or similar indicators in your country?

- Speed of warning dissemination
- Inter-agency coordination
- Effectiveness of SOP implementation.

Summary of what happened during the exercise

The IOWave25 in Oman on 15 October 2025 simulated a magnitude 9.0 Makran earthquake and a tsunami arriving within 15 minutes. Agencies operated from their normal offices, receiving and acknowledging warning bulletins issued through email and SMS. The exercise tested system performance, message delivery, and inter-agency coordination. No evacuation was conducted.

Lessons Learnt

What worked well? Analysis and tsunami bulletins dissemination within the time, Effective use of multiple communication channels and Good operator readiness and SOP compliance.

what are the areas of improvement? Confirmation of messages receipt by stakeholders.

How can more at-risk communities be involved in future exercises? Extends exercises to include schools, coastal residents, fishermen...etc and Introduce public alert testing in real conditions.

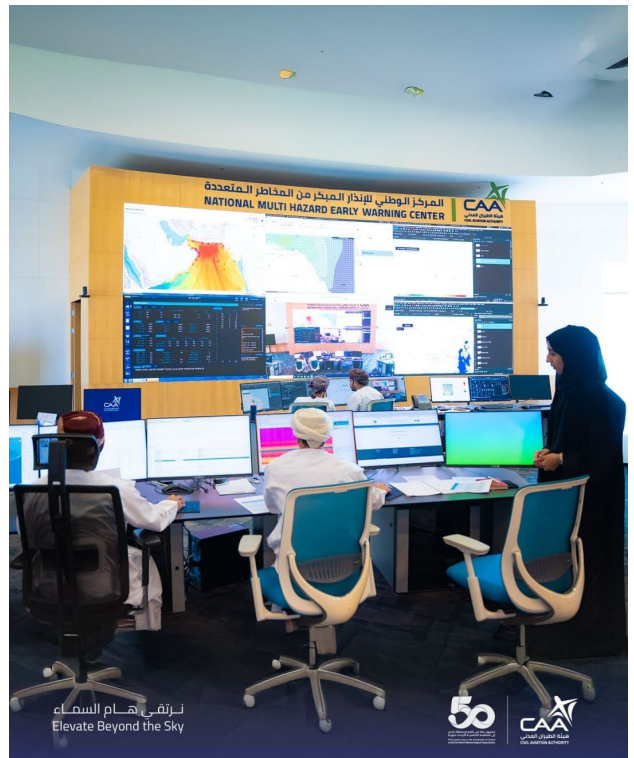
Organisation Logo(s)



Further Information:

Please send to ICG/IOTWMS Secretariat (iotwms@unesco.org) :

1. Videos of activities undertaken in IOWave25



1. Links to online media related to news and coverage of IOWave25:

https://x.com/AlghashamP/status/1978412694324539797?t=o1vDp9fu_fQ8qBomzKroYg&s=19

<https://lebapedia.com//سلطنة-عُمان-تشارك-في-التمرين-الإقليمي>

<https://lebapedia.com//سلطنة-عُمان-تشارك-في-التمرين-الإقليمي>

<https://www.wa-gulf.com/1152837>

1. Links to social media (X, Instagram, Facebook, LinkedIn) related to IOWave25

<https://x.com/CAAOMN/status/1978436988773843152?t=PRjnCorRExsmX3gVo-74Wg&s=19>

https://www.instagram.com/p/DP1M4P1DE_6/?igsh=MWxINGRnMDc4cnp0Mg==