

United Arab Emirates UAE

Webinar: **Lessons Learnt during Exercise IOWave 2023**

12 - 13 December 2023

Focal points for Tsunami IOwave2023

Mr. Khalifa Al Ebri
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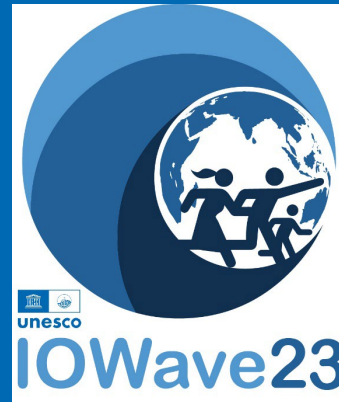
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unesco

Intergovernmental
Oceanographic
Commission



Scenarios Exercised



Andaman Trench (4 Oct)



Makran Trench (11 Oct)



Heard Island (18 Oct)



Java Trench (25 Oct)

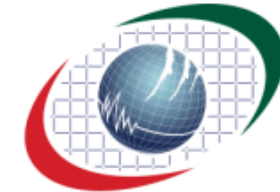


الإمارات العربية المتحدة
UNITED ARAB EMIRATES
المجلس الأعلى للأمن الوطني
THE SUPREME COUNCIL FOR NATIONAL SECURITY
المهتة الوطنية لإدارة الطوارئ والأزمات والكوارث
National Emergency Crisis and Disaster Management Authority



وزارة الداخلية
MINISTRY OF INTERIOR

Others



المركز الوطني للأرصاد
National Center of Meteorology

Exercise Participants

Community: Al Righailat, Fujairah, UAE



Coordinates: 25°6'14"N 56°21'8"E



Involved sectoral groups:

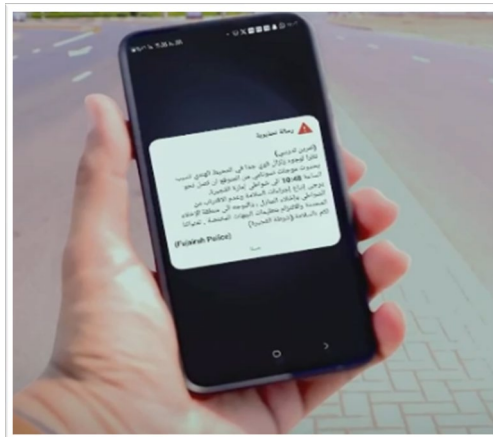
- Beachgoers
- Boat Users
- Home Residents
- Businesses
- Schools
- Hospitals
- Hotels
- People with disabilities
- Elderly
- Elderly (in supported care)
- Youth

Exercise Participants

AL Righailiat Community

Participating segments: All segments of society residing within the targeted area have participated in the evacuation and shelter plans

Number of participating people: 500 (350 males + 150 females).



National Tsunami Warning & Mitigation System

- Involved organizations in the warning chain:

NCM NCEMA MOI MEDIA

- Organization responsible for issuing the warning:

NCM

- Responsible for calling for evacuation:

LDMO



National Tsunami Warning & Mitigation System

- Initiatives used to help prepare the communities at-risk

TSUNAMI READY INDICATORS	
I	ASSESSMENT (ASSESS)
1	ASSESS-1. Tsunami hazard zones are mapped and designated.
2	ASSESS-2. The number of people at risk in the tsunami hazard zone is estimated.
3	ASSESS-3. Economic, infrastructural, political, and social resources are identified.
II	PREPAREDNESS (PREP)
4	PREP-1. Easily understood tsunami evacuation maps are approved.
5	PREP-2. Tsunami information including signage is publicly displayed.
6	PREP-3. Outreach and public awareness and education resources are available and distributed.
7	PREP-4. Outreach or educational activities are held at least 3 times a year.
8	PREP-5: A community tsunami exercise is conducted at least every two years.
III	RESPONSE (RESP)
9	RESP-1. A community tsunami emergency response plan is approved.
10	RESP-2. The capacity to manage emergency response operations during a tsunami is in place.
11	RESP-3. Redundant and reliable means to timely receive 24-hour official tsunami alerts are in place.
12	RESP-4. Redundant and reliable means to timely disseminate 24-hour official tsunami alerts to the public are in place.

Tsunami readiness evaluation

	4 (extremely good), 3 (very good), 2 (good), 1 (poor), 0 (very poor)				
	4	3	2	1	0
Tsunami hazard zones are mapped and designated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The number of people at risk in the tsunami hazard zone is estimated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Economic, infrastructural, political, and social resources are identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Easily understood tsunami evacuation maps are approved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tsunami information including signage is publicly displayed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outreach and public awareness and education resources are available and distributed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outreach or educational activities are held at least three times a year.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A community tsunami exercise is conducted at least every two years.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A community tsunami emergency response plan is approved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The capacity to manage emergency response operations during a tsunami is in place.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Redundant and reliable means to timely receive 24-hour official tsunami alerts are in place.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Redundant and reliable means to timely disseminate 24-hour official tsunami alerts to the public are in place.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

National Organisation of Exercise IOWave23



The exercise was planned upon the collaboration between MOI, NTWC and NCEMA to systematically implement and activate the SOPs at the community level. The plan aimed to enhance a comprehensive understanding among various institutions, entities, and stakeholders regarding their respective roles in alignment with the national plan.

- The community participation was integrated into the exercise to enhance its effectiveness.
- The community members received prior evacuation training.
- The community is well informed about designated shelters.
- The authority responsible for managing these shelters conduct annual training exercises to ensure operational readiness.

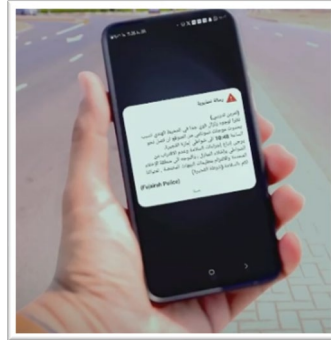
Lessons Learnt

- Effective communication strategies, swift coordination among response teams, and community participation were **key strengths in the tsunami exercise**, demonstrating successful preparedness and response efforts.
- *As improvements we should:*
 - Expand the scope of tsunami awareness to encompass a broader segments of society and diverse regions within the Eastern coast of UAE.
 - Leverage innovative advancements to disseminate disaster awareness and education across society.
- *To emphasize the communities' involvement* by conducting wide-ranging training sessions for diverse groups across various regions, ensuring inclusion of all segments of society, regardless of gender, physical abilities, or age..

Images



Warning issued



Warning received



Authorities responding



Community responding



Evacuation



Safe shelters

THANK YOU