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Intergovernmental  
Oceanographic  
Commission

# Strengthening tsunami early warning in the North-west Indian Ocean region through regional cooperation

## Phase 2c

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*North-West Indian Ocean Regional Workshops on  
Tsunami Inundation Mapping and Evacuation Planning  
Muscat, 21-25 April 2024*

# Strengthening tsunami early warning in the North-West Indian Ocean region through regional cooperation

## **Phase 1:**

Project Cost US\$ 147,470  
(2019-2021)

- 1) Better understanding of the tsunami risk knowledge to inform and underpin warning and mitigation systems in the NWIO to enable appropriate and effective community responses to the tsunami threat.
- 2) Improvement of warning services at NTWC level and the organization of the national warning chains to assure timely warnings.

## **Phase-2a:**

Project Cost US\$ 280.442,-  
(2022)

1. Finalisation of some Phase-1 remaining activities in tsunami risk knowledge and strengthening of national tsunami warning chains

## **Phase-2b:**

2. Gap analysis and development of guidance on tsunami inundation mapping and evacuation planning in the NWIO region

## **Phase-2c:**

Project Cost US\$ 298.834,-  
(2024)

Training in development of 1) tsunami inundation maps and 2) Tsunami evacuation plans to facilitate effective community responses to the threat from near-field and far-field tsunamis.

## **Phase-3:** *To be proposed*

Implement Tsunami Ready Recognition Programme (or similar national initiative) in NWIO countries.

## Objective Phase 2c

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Training in development of tsunami inundation maps and evacuation plans to facilitate effective community responses to the threat from near-field and far-field tsunamis.

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# Outputs of Phase 2c

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- 1. Regional training workshop for members of the NWIO Regional Working Group on Tsunami Inundation Modelling and Mapping (RWG-TIMM).**
- 2. Regional training workshop for selected participants from the National Working Groups on Tsunami Evacuation Planning (NWG-TEPs) of the member countries to build the required capacities to facilitate and provide technical expertise for evacuation planning processes at local level**
- 3. Implementation and backstopping during the evacuation planning and implementation processes in pilot communities to help strengthen capacities of the national facilitators, and to assure quality in the processes and outputs.**

# Activity Output 5.1 Regional training workshop on inundation mapping

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Development inundation mapping capabilities.

Three (3) days regional training workshop in Oman 21-23 April 2024

UNESCO-UNESCAP Consultant (International)

- External Facilitator/Consultant/Technical Assistant

UNESCO-UNESCAP Consultant (In country India, Iran, Pakistan)

- National Facilitator/Consultant/Technical Assistant

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# Activity Output 5.2 Regional face-to-face training workshop on evacuation planning

Development Tsunami Evacuation Plan capabilities.

Four (4) days regional training workshop in Oman 22-25 April 2024

UNESCO-UNESCAP Consultant (International)

- External Facilitator/Consultant/Technical Assistant

UNESCO-UNESCAP Consultant (In country India, Iran, Pakistan)

- National Facilitator/Consultant/Technical Assistant Travel to Workshop

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# Activity Output 5.3 National Implementation and backstopping during the evacuation planning processes in pilot communities

*Backstopping support during the national evacuation planning processes in pilot communities and systematization of experiences feedback for possible adaptations of the methodology.*

## UNESCO-UNESCAP Consultant (International)

- International Consultant backstop national inundation mapping
- International Consultant backstop national evacuation planning

## UNESCO-UNESCAP Consultant (In country India, Iran, Pakistan)

- National Facilitator/Consultant/Technical Assistant
- In country travel and organisation 1 national meeting each.

## Translation of IOC UNESCO manual and Guides to Farsi and Urdu:

- MG 74 (Tsunami Ready)
- MG 82 (Preparing For Community Tsunami Evacuation)

# Activity Output 6

## Project Monitoring and Evaluation

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*External Consultant for final project evaluation.*

### Activities

#### International Consultant

- External Facilitator/Consultant/Technical Assistant
- Travel to Perth 3 days.

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# Schedule

## Implementation Plan Schedule NWIO UNESCO Project Phase 2c Activities

Objectives	2023			2024								
	Oct	Nov	Dec	Jan	Feb	March	April	May	Jun	Jul	Aug	Sept
<b>5. Training in development of tsunami inundation maps and evacuation plans to facilitate effective community responses to the threat from near-field tsunamis.</b>												
<b>5.0. Engage International and National Consultants:</b>												
Engage International: Inundation Modeling					3rd week							
Engage National Consultants: Inundation Modeling					3rd week							
Engage International: evacuation planning					3rd week							
Engage National Consultants: evacuation planning					3rd week							
<b>5.1. Regional training workshop on Tsunami Inundation Modelling and Inundation Mapping</b>												
Virtual coordination and meetings with Regional Working Group TIMM (RWG-TIMM)												
Regional Workshop on Tsunami Inundation Modelling and Mapping in UAE or Oman							1st week					
Prepare inundation maps for Pilot Areas												
<b>5.2. Regional training workshop for evacuation planning processes at local level</b>												
Virtual coordination and meetings with National Working Groups Tsunami Evacuation Planning (NWG-TEP)												
Regional training workshop on evacuation planning in Oman							1st week					
<b>5.3 National implementation and backstopping during evacuation planning processes in pilot communities</b>												
Engage Consultant for translation MG74 (Tsunami Ready) and MG 82 Tsunami Evacuation					3rd week							
Contracting for translation layout and printing of MG74 and MG82								3rd week				
Evacuation plans prepared for Pilot Communities												
Tsunami drills for Pilot Communities (To be discussed and agreed with National Stakeholders)											Drill	
<b>6. Project Evaluation</b>												
Engage consultants									1st week			
Complete NWIO Project Phase 2a 2b 2c evaluation report												
<b>Project Reporting</b>												
6 month reporting to ESCAP												

	Project work and preparation activities
	Virtual Coordination Meeting with National Working Group
	Preparation for Consultant solicitation
	Contractual engagement with Consultant
	Consultant working period
	Workshop Preparation
	Events: Workshops (Date to be decided)
	Backstopping Period
	Project Reporting

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**THANK YOU**