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# UNESCAP Project Phase 2

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# 1. UNESCO Project



## **UNESCAP TTF-29 Project, Phase-2: *Strengthening tsunami early warning in the North West Indian Ocean region through regional cooperation***

Participating Member States: **India, Iran, Pakistan, Oman & UAE**

Target Groups: **NTWCs, DMOs, Media, Communities, Response Agencies**

Project Duration: **12 Months: December 2021 - November 2022**

Approved Budget: **USD 280K**

# 1. UNESCAP Project Objectives

*Phase 1:*

*Objective 1: Better understanding of the risk knowledge based on scientific research*

*Objective 2: Improvement of warning services at NTWC level and the organization of the national warning chains to assure timely warnings and rapid response with due emphasis on self-protection for near source events*

## Phase 2

### **1 Finalization of Phase-1 remaining activities in tsunami risk knowledge and strengthening of national tsunami warning chains.**

1. Exchange of latest scientific results and regional/international studies on the tsunami hazard in the Makran subduction zone (deferred from Phase-1)
2. Final regional NTWC-DMO (National/Local) and Media workshop to share experiences and provide mechanism to involve media in tsunami warning dissemination and outline requirements for related SOP development

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

1. Regional working group meetings on tsunami modelling and inundation mapping with the aim to undertake a gap analysis and develop specifications for a unified approach for tsunami modelling in the region, including the provision of inputs from international expertise
2. Information package on existing approaches, standards, methodologies and best practices for tsunami evacuation planning as well as tailored recommendations for the NWIO countries including concrete steps for the development of context-specific policies, standards and approaches.

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## Finalisation of Phase-1 Activity:

### Online scientific meeting

#### Activity

- Share the PTHA model (V1.0) with the region for adoption
- Report on the latest regional/international studies on the tsunami hazard in the Makran subduction zone

#### Outputs

- A unified regional tsunami hazard map
- Availability of latest scientific insights on the tsunami hazard from the MSZ as an input for risk assessment activities in the countries

### Regional NTWC, N/L DMO & Media Workshop

#### Activity

- Hybrid = regional virtual & national face-to-face
- Involve media in tsunami warning dissemination
- Outline requirements for related SOP development
- Share experiences

#### Outputs

- Revised SOPs along the warning chain
- Policies and SOPs for Public Media developed for warning dissemination

### Additional Activity

#### Activity

- Table-top exercise NWIO region

#### Output

- Test and refine national tsunami warning chains established during Phase-1 of project.

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## Tsunami inundation mapping and evacuation planning

### Gap analysis and development of guidance (Tsunami Inundation)

#### Activity

- Included in WG-NWIO activities
- Underpinned by PTHA model of Phase-1
- Cooperation and exchange of knowledge on tsunami modelling and inundation mapping
- Gap analysis of tsunami inundation capabilities in the region
- Development of a regional unified method for tsunami modelling

#### Output

- Specifications for a unified approach for tsunami modelling and inundation mapping for the NWIO region.

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### Gap analysis and development of guidance (Tsunami Evacuation)

#### Activity

- Synthesise existing information on tsunami evacuation planning: approaches, standards, methodologies & best practices
- Guide development of national evacuation planning policies, standards and approaches
- Support establishment of national working groups on evacuation planning to facilitate implementation in each participating country

#### Output

- Set of national policies, standards and approaches for evacuation planning in participating countries

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# Thank you

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**Rick Bailey, Head, ICG/IOTWMS Secretariat**



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IOTIC-BMKG Programme Office**

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