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Regional coordination and gap analysis of inundation mapping capability and capacity

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Objectives

- **Support the establishment of a regional working group, with input from international experts, to foster ongoing regional cooperation and exchange of knowledge on tsunami modelling and inundation mapping, building on the modelling outcomes from Phase-1.**
- **Undertake a gap analysis of tsunami inundation mapping capabilities in the region and consider utilising methodologies such as the UNESCO/IOC Community Model Interface for Tsunami (ComMIT) where applicable.**
- **Develop a unified way for tsunami modelling in order to assure state of the art results and inter-comparable results throughout the region.**

PROCESS

Activities

- Establishment of a regional working group on tsunami modelling and inundation mapping
- Technical consultation on the Makran tsunami hazard modelling result for further enhancement as the source for inundation mapping
- External technical assistance to provide an overview on the state of the art in tsunami modelling and inundation mapping and to facilitate a participatory review and analysis on tsunami modelling and inundation mapping in the participating countries

Expected Output

Regional working group meetings on tsunami modelling and inundation mapping undertook the gap analysis and developed specifications of a unified approach for tsunami modelling in the region with the provision inputs from international expertise

Expected Outcome

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

Availability of concept document for a unified approach for tsunami modelling and inundation mapping in the NWIO.

SUPPORT

- 1. ICG/IOTWMS Secretariat and IOTIC to allocate their working days to**
 - Liaise, coordinate, and work virtually with the country national stakeholders to establish the national and regional working group
 - Coordinate, work, and liaise virtually with the consultant and the national stakeholders on the review of the gap analysis review and preparation for the regional workshop.
 - Coordinate, work, and liaise virtually with an International Organization (i.e. the Postdam - Germany and/or Bologna – Italy) for the NWIO Modellers to work and use their computational facility
- 2. The project will engage with International and National technical consultants**
- 3. Work with International and National technical consultants to organize 2 virtual national consultative meeting and 1 hybrid virtual meetings.**
- 4. The project will arrange for exchange of 2 NWIO modellers to use the computational facility in the International Organization (Potsdam, Germany and/or Bologna in Italy)**

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**UNESCO-IOC Indian Ocean Tsunami Information Centre
IOTIC-BMKG Programme Office**

**Disaster Risk Reduction and Tsunami Information Unit
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