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Review of Decisions, Recommendations and Actions of ICG/IOTWS XII

ICG/IOTWS XIII, November 2022

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Indian Ocean Tsunami Warning & Mitigation System

IOC-UNESCO ICG/IOTWMS XII, Kish, Iran, March 2019

Decisions and Requests:

- Invite a team of expert modellers from Australia, Germany, India, Indonesia, Iran, Oman and Pakistan to define a strategy for estimating the credible maximum earthquake magnitude and developing a unified tsunami hazard map as part of the Task Team on Scientific Tsunami Hazard Assessment of the Makran Subduction Zone
- Explore mechanisms for participation of international observers in countries conducting community evacuations and IOTR piloting during future IOWave exercises
- Conduct a Palu and Sunda Strait Tsunami lessons learnt workshop in 2019, and a Post-IOWave20 lessons learnt workshop within 3 months of the exercise, subject to availability of funding;
- Conduct two training workshops on Standard Operating Procedures including warning chain in the intersessional period, subject to the availability of funding, with one to be conducted in the North-West Indian Ocean region;
- Continue to include an additional one-day session on Tsunami Warning Centre and Seismic Network Operations as part of all future Standard Operating Procedure (SOP) trainings;
- Continue to hold inter-sessional activities as integrated meetings to optimize resources, noting with appreciation kind offers from Indonesia and Oman to host a meeting in 2020;
- Invite United Arab Emirates as a Member and UNESCAP as an Observer of the WGNWIO;
- Request Executive Secretary allocates extrabudgetary funds provided for the ICG/IOTWMS for use in supporting ICG/IOTWMS programme and activities;

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Requests Working Group 1:

- Update the Probabilistic Tsunami Hazard Assessment (PTHA) for Indian Ocean based on recent work by Geoscience Australia in collaboration with relevant experts from the Member States;
- Investigate tsunami hazard from the South Sunda mega thrust zone;
- Review the PTWS KPI framework with reference to the TT-CATP survey and provide input to a consolidated report for TOWS-WG-XIII;
- Investigate the use of socio-technical innovations such as crowd sourcing to assist real-time tsunami evacuation;
- Prepare guidance to facilitate Member States to establish/update their national policies and plans to make tsunami preparedness mandatory for the coastal and marine private/business sector and infrastructure;
- Create an infographic (1–2 pages) of the Executive Summary of the IOTWMS Status Report targeted for policy-makers.

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Requests Working Group 2:

- Investigate methods of detection and threat assessment of atypical tsunami events, including volcanic and landslide events;
- Explore possible new tsunami-detection technologies such as tsunameters attached to undersea communications cables;
- Investigate replacing the current magnitude 8.0 or above threshold for issuing threat products for earthquakes outside the Indian Ocean EEZ with a threshold based on above-threat level waves predicted for any Indian Ocean Coastal Forecast Zone;
- Implement the TOWS-WG proposal on TSP messages for the Maritime Community;
- Facilitate coordination between WMO and Iran for receipt of tsunami bulletins over the GTS;
- Investigate the possibility of replacing the word “REVISED” in TSP bulletins with “UPDATED”;



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