

ICG NEAMTWS

Tsunami Ready Implementation in NEAM region

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UNESCO IOC / TOWS WG XVII Meeting
Task Team on Disaster Management and Preparedness (TT-DMP)
19 – 20 February 2024. Sendai, Japan













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- Brief background: ICG/NEAMTWS TT-TR & IOC UNESCO DG ECHO CoastWAVE project
- Progress in the Implementation of Tsunami Ready in the NEAM Region
- Main challenges found in TRRP implementation in NEAM region
- Recommendations from ICG NEAMTWS TT-TR











BACKGROUND INTRODUCTION



ICG NEAMTWS TASK TEAM ON TSUNAMI READY

ICG-NEAMTWS-WGs / TTs 24-26 Nov. 2020 (link)

Nov. 2020

WG4 proposed to set up a dedicated Group on Tsunami Ready within WG4 to start coordinating and implementing Tsunami Ready

1OC Circular Letter No <u>2821</u> 7 Dec. 2020 Draft Plan of Action ICG/NEAMTWS XVII Session 24 - 26 Nov. 2021 (online)

Nov. 2021

The ICG/NEAMTWS
decides to formally
establish a **Task Team on Tsunami Ready** with **Terms of Reference** in Appendix 5

ICG-NEAMTWS XVII
Decisions and
recommendations
(Working Document 23
Nov 2021)

ICG/NEAMTWS XVII Session Establishment of intersessional WGs and TTs

Jan. 2022

Establishment of the NEAMTWS TT on TR and appointment of new cochairs

ICG-NEAMTWS XVII Session Report.

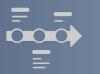
ICG/NEAMTWS Steering Committee 8-12 April 2022 (online)

April 2022

Establishment of First TT-TR Plan of Action (PoA) (requested during ICG/NEAMTWS XVII 2021

Approved TT-TR Plan of
Action 2022







BACKGROUND INTRODUCTION

IOC UNESCO DG ECHO CoastWAVE project

IOC UNESCO DG ECHO CoastWAVE Project













08/2021

IOC-UNESCO project begins (without partners) 09/2022

Contracts with institutions of **Member States**



CoastWAVE activities

06/2024

Project End







BACKGROUND INTRODUCTION





Intergovernmental Oceanographic Commission Manuals and Guides

74



Programme

Standard Guidelines for the Tsunami Ready Recognition

IOC UNESCO DG ECHO CoastWAVE project

- Component 1 Adapt Global Tsunami Ready standards and guidelines and pilot Tsunami Ready within the framework of the ICG/NEAMTWS.
- Component 2 Supply and install tsunami detection and alerting equipment in selected NEAMTWS countries.
- Component 3 Evaluate the effectiveness, compatibility, performance and benefits of the "Inexpensive Device for Sea Level" (IDSL) network in NEAMTWS countries and secure its sustainability.

IOC-UNESCO project begins (without partners)

Adoption with appreciation of IOC UNESCO MG 74 ICG NEAMTWS XVIII Session Feb. 2024, Paris.

CoastWAVE

UNESCO



TRRP IMPLEMENTATION NEAM REGION

11 Countries15 Communities

Chipiona



El Jadida



Loulé



Büyükçekmece



Cannes



Marzamemi



Otranto



Marsaxlokk



Israel



Palmi



Minturno



Stromboli



Larnaca



Samos



Alexandria







TRRP IMPLEMENTATION **NEAM REGION**

11 Countries 15 Communities





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TRRP IMPLEMENTATION NEAM REGION

11 Countries 15 Communities



















Palmi













TRRP IMPLEMENTATION **NEAM REGION**

11 Countries 15 Communities















Palmi















11 Countries and 15 communities (7 countries under IOC-UNESCO EU DG-ECHO CoastWAVE Project)



- Atlantic: El Jadida (Morocco); Loulé (Portugal); Chipiona (Spain).
- Central/Western Mediterranean: Cannes (France); Marzamemi-Pachino, Minturno, Palmi, Stromboli volcano, Otranto (Italy); Marsaxlokk (Malta).
- Eastern Mediterranean: Buyukçekmece (Turkey), Samos (Greece), Larnaca (Cyprus), Israel, Alexandria (Egypt).







TRRP IMPLEMENTATION NEAM REGION



Cannes Municipality - FRANCE

- January 19, 2024: First Community in NEAM region to obtain the Recognition for UNESCO-IOC Tsunami TRRP.
- The municipality's actions, including hazard assessments, evacuation mapping, drills, and exercises, align with the UNESCO Tsunami Ready 12 key indicators, demonstrating unwavering commitment to tsunami preparedness and community resilience.

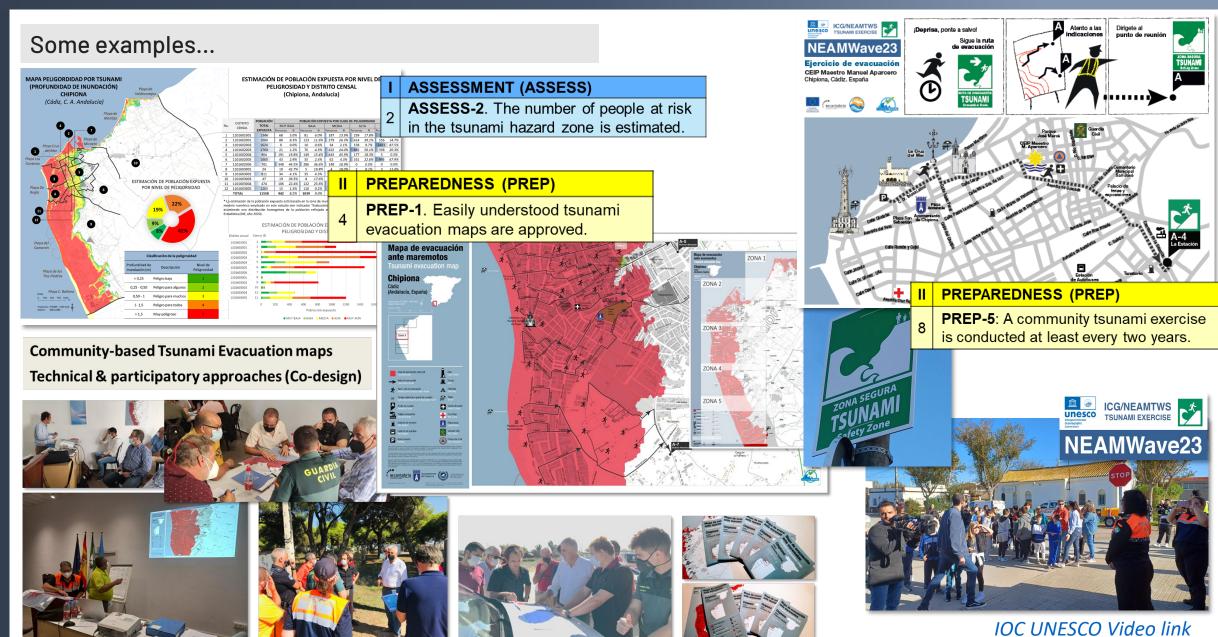








TRRP IMPLEMENTATION NEAM REGION



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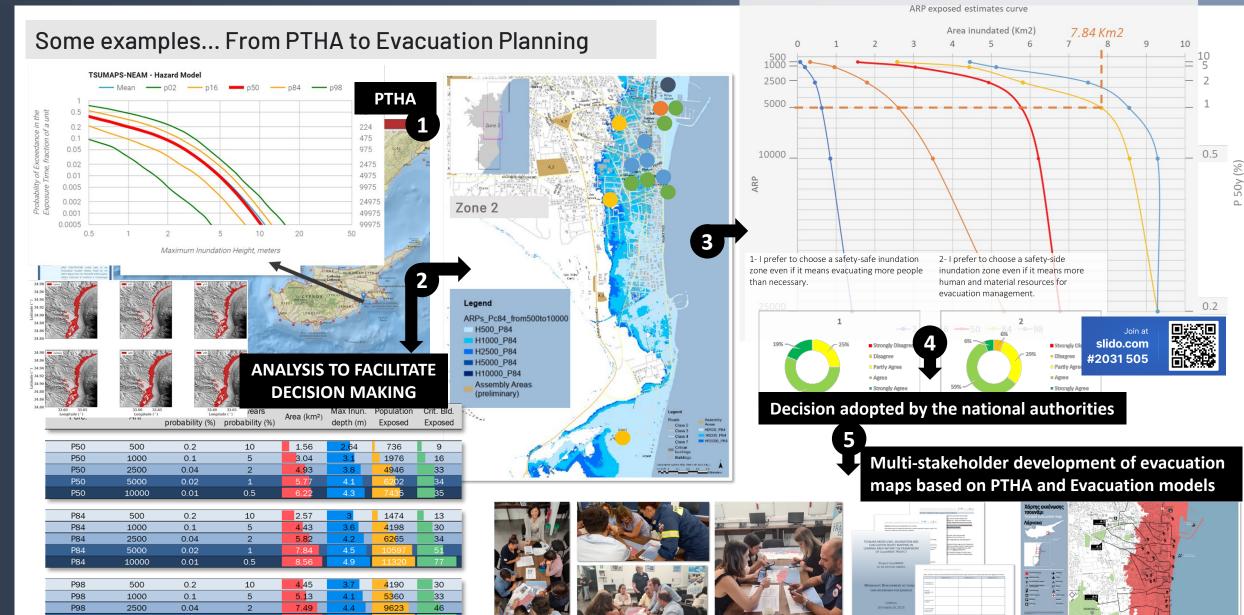
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ICG NEAMTWS TOWS WG TT - DMP



TRRP IMPLEMENTATION NEAM REGION







Main challenges found in TRRP implementation



GENERAL BARRIERS

- Difficulty in incorporating some stakeholders (**tourism**, **commerce**, etc.) because they feel that recognizing and acting on the tsunami risk may **damage their business**, due to international and sectoral competition.
- Difficulties to get **local officials** to accept the signage because it materializes the tsunami risk (especially for municipalities oriented towards the **tourism economy**).
- Reluctance from local authorities to officially endorse the evacuation plan because they are worried about **legal liabilities** in case of human losses during the evacuation.
- General populations' lack of knowledge and education about coastal hazards and especially tsunamis. Some coastal communities may underestimate the tsunami risk. Distress and fear among exposed population may also contribute to this underestimation.
- Difficulties in public awareness due to special conditions (summer time, temporary population etc.).





Main challenges found in TRRP implementation



INSTITUTIONAL, ORGANIZATIONAL, TECHNOLOGICAL BARRIERS

- Establishment of NTRB / establishment of the TRLC.
- Existing national Governance structures imply the integration of local tsunami emergency plans,
 this may slow down the process, depending on the political will of each community etc.
- Institutional Coordination between different organizations at all spatial scales and administrative divisions.
- Dependency on only one mean of dissemination for alerting the population.
- International signage is not always easily acceptable by local decision makers Need for adapting the **tsunami signage** and facilitating its integrations into the urban environment (and fear...).
- Financial, technical, human resources, and time demands for the implementation of TRRP.
- Maintenance alerting devices (human and financial demands).
- Sustainability of TRRR. Continuous support by scientific and distaster/emergency experts.





RECOMM. REFLECTED DURING ICG/NEAMTWS XVIII TASK TEAM ON TSUNAMI READY

- To strengthen the promotion of the IOC-UNESCO TRRP among key stakeholders in the NEAM region. One annual event (online workshop) for the promotion and explanation of the TRRP in NEAM region, for a wide audience, especially representatives of municipalities from all NEAM countries, civil protection officials from all levels, and institutions that can provide support to meet all TRRP requirements.
- To **promote new proposals of candidates for the IOC-UNESCO TRRP**. Suggestion is to contact the MS TNCs on a regular basis (e.g., annually).
- To **identify critical points**, based on the pioneering progress in the implementation of the TRRP in the NEAM region, **explore possible solutions**, and suggest (if necessary) some **flexibility** for a better adaptation to particularities within NEAM both at the regional rand local level.





RECOMM. REFLECTED DURING ICG/NEAMTWS XVIII TASK TEAM ON TSUNAMI READY

- To strength interaction between ICG/NEAMTWS TT-TR, Inter ICG TT-DMP, Tsunami Ready Coalition and other ICGs. This can be done by ICG/NEAMTWS TT-TR representatives to be invited to, at least as observers, Inter ICG TOWS TT DMP meetings.
- To interact with other ICGs to follow up the preparation of guidelines for critical infrastructures from tsunami impacts.
- To **explore ways**, in cooperation with the Inter ICG TT-DMP, **to recognize communities applying** National Tsunami Programmes and **initiatives similar to IOC-UNESCO TRRP**.
- To **translate MG74** into other languages (currently in English, Spanish, French and Arabic) and newly developed tsunami related brochures into other languages (currently in English).
- To standardize procedures for managing review of TRRP applications, including use of a common language (English).
- To conduct a **Survey Questionnaire** following IOC-UNESCO TRRP certification, to receive feedback from implementers. Explore other ICG examples in this regard.



Thank you!

ICG NEAMTWS

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