UNESCO-IOC Expert Meeting on Tsunami Sources Associated with Hellenic Arc and Azores–Gibraltar Fault Zone in the North-Eastern Atlantic, the Mediterranean, and Connected Seas (NEAM) Region

Funded by European Union Humanitarian Aid

UNESCO-IOC EU DG ECHO CoastWAVE PROJECT

Overview of CoastWAVE 2.0

Upscaling and Strenghtening Resilience of Coastal Communities against tsunamis and other coastal hazards in NEAM region

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Tsunami Ready

About CoastWAVE 2.0

Upscaling and Strenghtening Resilience of Coastal Communities against tsunamis and other coastal hazards in NEAM region

A regional initiative to enhance tsunami preparedness in coastal communities of NEAM.

Focus on integrating early warning systems, education, and local action plans.

Project Period: July 2024 - June 2026
Donor: EU DG ECHO (Agreement btw Council and UNESCO)
Budget: 1.2 M Euros
Beneficiary Countries: Italy, Egypt, France, Portugal, Morocco, Spain, Türkiye
Aim: Reduce risk, enhance safety, and boost resilience of vulnerable coastal communities against sea-level hazards.

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Humanitarian Aid

UNESCO team

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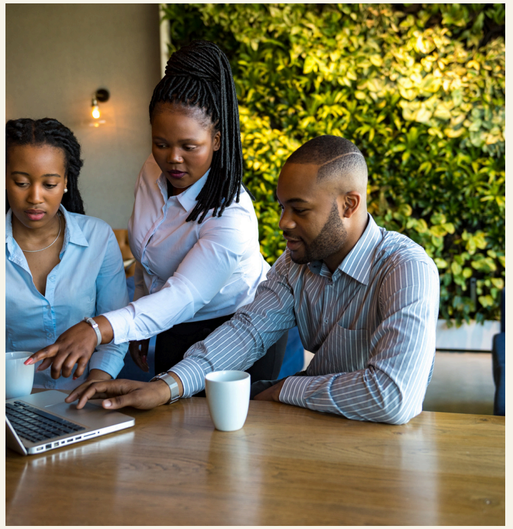
Roles and Responsibilities

UNESCO

- Coordination: Oversees project structure and aligns partner activities.
- Guidance: Provides strategic direction and advice.
- Oversight: Ensures project adherence to objectives and standards.

Project Partners: Non-profit organizations

- Sharing the responsiblities with UNESCO
- Not solely on the implementing activities- In kind contributions,
- Implementation: Transition project activities from national to local levels.
- Build capacity on TR
- Community Engagement: Foster community involvement and ensure relevance.
- Reporting & Compliance: Track progress, report outcomes, and maintain compliance with UNESCO and DG ECHO requirements.



CoastWAVE 2.0 Vision and Objectives

Vision: Empowering coastal communities with sustainable tsunami resilience measures.

Key Objectives:

- Expand the network of tsunami-ready communities.
- Enhance public awareness and preparedness.
- Strengthen tsunami early warning/alerting systems.
- Foster collaboration between governments, NGOs, and local stakeholders.

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CoastWAVE 2.0-Components

Component 1

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Component 2

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Component 3

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Component 4

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Expected Outcomes

By the end of CoastWAVE 2:

Outcome 1: Standard and improved tsunami hazard assessments based on Probability Tsunami Hazard Assessments (PTHA) for better planning and improved understanding, effective communication and better decision-making from regional, national to local level of tsunam	**Outcome 2:** Enhanced understanding and communication of tsunami and other sea-level-related risk in selected communities in the selected NEAM countries.
Outcome 3: More coastal communities and countries in the NEAM region joining the Tsunami Ready Programme to be better prepared to respond to sea-level-related hazards.	**Outcome 4:** Increased/improved access to near real-time seismic and/or sea level detection and alert technology to provide early warning of rapid onset sea level-related hazards in more coastal communities in selected NEAM countries.
Outcome 5: New affordable sea level device to provide early warning of rapid onset sea level-related hazards in NEAMTWS countries enhanced.	**Outcome 6:** Improved understanding and knowledge of how to address HILP tsunami events, highlighting strategies and procedures to factor and integrate tsunamis in multi-hazard approaches, and enhance real time decision making and long-term planning.

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Implementation Timeline August 2024-June 2026

H1

August 24-Dec. 24

Planning and Initiation
Establishment of IPAs
TR Training

H2

Jan.25-Jun 25

Risk perception survey
Expert meeting on tsunamigenic sources
Hazard asses. Inundation and evacuation mapping implementation and trainings

10% 20% 25% 30% 40% 99%

H3

July 25-Dec 25

SOP training and workshops
Early warning systems-installation
Community tsunami exercises from national to local levels

H4

Jan 26-Jun 26

HLIP events
Completion of TR Cycle
TR certifications

Expert Meeting Objectives

- Identify and analyze tsunami sources

- Evaluate existing databases and knowledge gaps

- Develop credibility criteria for tsunami sources

- Facilitate expert discussions and working groups

- Provide recommendations for hazard assessment

Expert Meeting Structure and Highlights

- Plenary sessions on seismic and non-seismic sources

- Keynote talks from leading tsunami experts

- Working groups focusing on data gaps & source credibility

- Discussions on improving hazard assessment strategies

Results will be used as a source for the upcoming" numerical modeling, inundation and evacuation mapping workshop"

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Looking forward to insightful discussions,and cooperation!

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