

Nineteenth Session of the Intergovernmental Coordination Group for the Tsunami Early Warning and Mitigation Systemin the North-eastern Atlantic, the Mediterranean and Connected Seas, 27-29 November 2024, UNESCO Headquarters, Paris, France

# UNESCO- IOC EU DG ECHO COASTWAVE PROJECT

## Summary of CoastWAVE 1.0 and Intro. to CoastWAVE 2.0

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Funded by European Union Humanitarian Aid

Funded by the European Union (EU) Directorate-General for European Civil Protection and Humanitarian Aid Operations (DG ECHO)

## What is CoastWAVE?

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

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

**COASTWAVE 1: Strenghtening Resilience** of Coastal Communities against tsunamis and other coastal hazards in NEAM region

Project Period: Sep 2021 – June 2024 Donor: EU DG ECHO Beneficiary Countries: Cyprus, Egypt, Greece, Malta, Morocco, Spain, Türkiye Aim: Reduce risk, enhance safety, and boost resilience of vulnerable coastal communities against sea-level hazards.

**COASTWAVE 2.0: Upscaling and Strenghtening Resilience of Coastal Communities against tsunamis and other** coastal hazards in NEAM region

Project Period: July 2024 - June 2026 Donor: EU DG ECHO 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.

### **Funded by DG ECHO**



Intergovernmental Oceanographic Commission

# Achievements at a Glance

Enhanced tsunami risk assessments and evacuation mapping. Improved early warning systems with advanced detection technologies. Conducted multi-hazard risk perception surveys.



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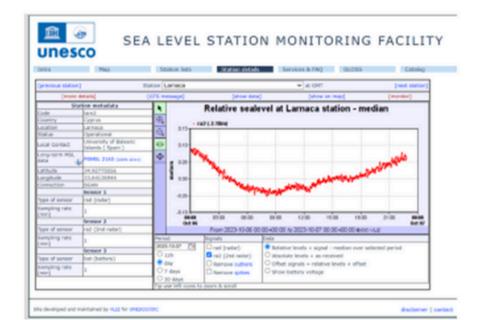
Organized awareness Recognized 4 campaigns, drills, and communities as Tsunami workshops. Ready by UNESCO standards.

## **Technological Innovations**

Advancing Detection and Warning Systems

- Deployment of Inexpensive Devices for Sea Level (IDSL).
- Installation of tsunami signage and evacuation maps.











## **Community Engagement**

**Empowering Local Communities** 

- SOP workshops in 7 countries to enhance preparedness.
- Public awareness campaigns using social media, signage, and local media
- Tsunami drills in schools and communities.





















## **Recognition and Collaboration**

**Building Partnerships** 

- Recognition of 4 UNESCO Tsunami Ready communities.
- Collaboration across governments, scientific institutions, and local NGOs.
- Contributions to the Sendai Framework and UN Ocean Decade initiatives.

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|--|---|---------|
| Tanınma Sertifikası  | Certificate of Recognition  |         |
| Büyükçekmece   | Alexandria<br>Arab Republic of Egypt  |         |
| Büyükçekmece Türkiye'de UNESCO/IOC Tsunamiye Hazır Programını başarıyla uyguladığı için<br>15/03/2024  | For successfully implementing the UNESCO-IOC Tsunami Ready Programme<br>in Alexandria, Arab Republic of Egypt, 25/05/2024   |         |
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| Πόλη Σάμου<br>Ελλάδα   | Chipiona<br>España  |         |
| Για την επιτυχή εφαρμογή του Προγράμματος Tsunami Ready της<br>ΙΟC-UNESCO στην πόλη της Σάμου  | Por haber implementado con éxito el<br>Programa UNESCO-IOC Tsunami Ready en Chipiona, España,<br>21/06/2024   |         |
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| Δημήτρος, Αλοτηλογίας<br>Προάδρος της Είνους Ευρικότης Τομουοπολουθυρίες και<br>Έγκρωσης Αποτηλιοτροπικό που προγράφματος «Τικατικά Καλάγο   | Previdenta Suplente del<br>Panel Nacional Tsumami Ready   |         |

### NGOs. atives.









## **Challenges and Lessons Learned**

**Overcoming Obstacles** 

- Administrative delays in some countries.
- Budgetary constraints and resource allocation challenges.
- It is essential to receive a written agreement from the local selected community municipalities. This also involves agreeing with all parties about the project's tasks.
- The project bolstered governance and institutional frameworks necessary for effective tsunami risk management.
- Maintaining TRRP preparedness and reliably monitoring progress demands ongoing support from scientific and emergency experts, which can be difficult to sustain.
- The creation of the National Tsunami Risk Board (NTRB) will promote the program and encourage more municipalities to enhance their tsunami preparedness.
- Need for enhanced gender balance and inclusivity.
- teering committee meetings play a vital role in keeping top management informed about the project's progress.
- The Tsunami Ready and SOP workshops have garnered significant attention from the partners and have proven to be helpful. Therefore, it is advisable to conduct these workshops annually.

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## **Evaluation of the Phase 1.**

Efficiency and Relevance

## Efficient and Impactful!

Efficient and sustainable outcomes despite limited resources. Aligned with UNESCO's mandate and UN Agenda 2030. Promoted SDG 11: Inclusive, safe, and resilient human settlements.

## **Policy and Framework Contributions**

## Influencing Global and Regional Policies

Strengthened Tsunami Ready Recognition Programme (TRRP) Enhanced Standard Operating Procedures (SOPs) for tsunami response. Improved global and NEAM-region frameworks for coastal hazard resilience.

## **Partnerships and Capacity-Building**

## Fostering Collaboration and Expertise

Built partnerships with governments, NGOs, and scientific institutions. Conducted capacity-building activities, integrating local knowledge. Focused on risk assessment, tsunami modeling, and early warning systems.

## **Public Awareness and Preparedness**

**Engaging Communities for Resilience** 

- Organized awareness campaigns using multiple channels.
- Conducted drills and educational activities in communities and schools.



## **Gender and Inclusion**

**Promoting Equality and Inclusion** 

- Mainstreamed gender equality and non-discrimination.
- Recommendations for an explicit, operational approach tailored to diverse gender contexts.

## **Communication and Sustainability**

## Sustaining Impact and Knowledge Exchange

Effective monitoring, documentation, and outreach. Facilitated regional cooperation and knowledge sharing. Secured funding for CoastWAVE 2.0 to continue building resilience.

## Conclusion

## **COASTWAVE:** Building a Resilient Future

A model of efficient project management. Strengthened coastal resilience in NEAM region.

## **CoastWAVE 2 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.



# **Strategic Focus Areas**

### **Community-Centric Preparedness:** 01

Educating and involving local communities in preparedness activities.

### **Policy and Governance:** 02

Supporting governments in creating actionable tsunami response plans.

03

04

### **Technological Integration:**

Installing/Upgrading early warning technologies.

### **Regional Collaboration:**

Encouraging knowledge sharing among participating countries.

# Partner Involvement

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••••

Morocco

Italy/

Portugal

• 8

Spain

Egypt

X



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# Roles and Responsibilities

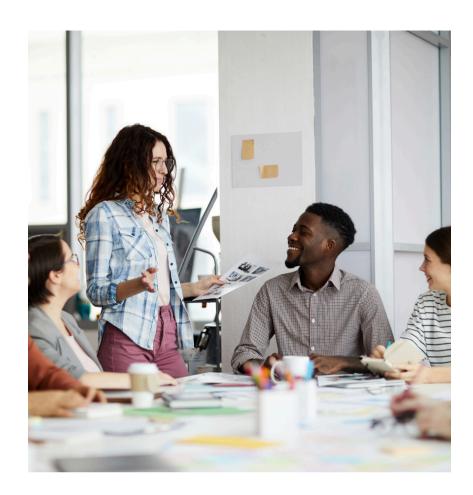
Coordination: Oversees project structure and aligns partner activities. Guidance: Provides strategic direction and advice. Oversight: Ensures project adherence to objectives and standards.

### **Project Partners: Non-profit organizations**

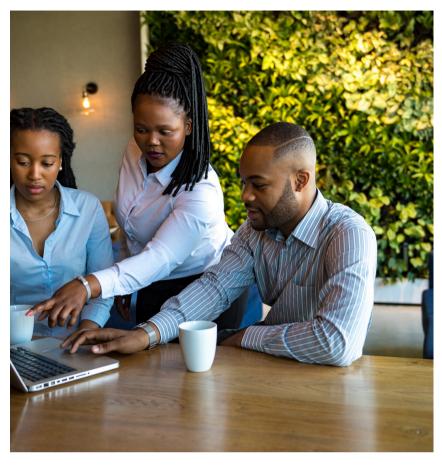
Sharing the responsibilities with UNESCO
Not solely on the implementing activities- In kind contributions,
Implementation: Transition project activities from national to local levels.
Build capacity on TR
Community Engagement: Foster community involvement and ensure relevance.
Reporting & Compliance: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

### ICG

Provide feedback on plans and priorities.Share expertise or resources.Advocate for funding and support.



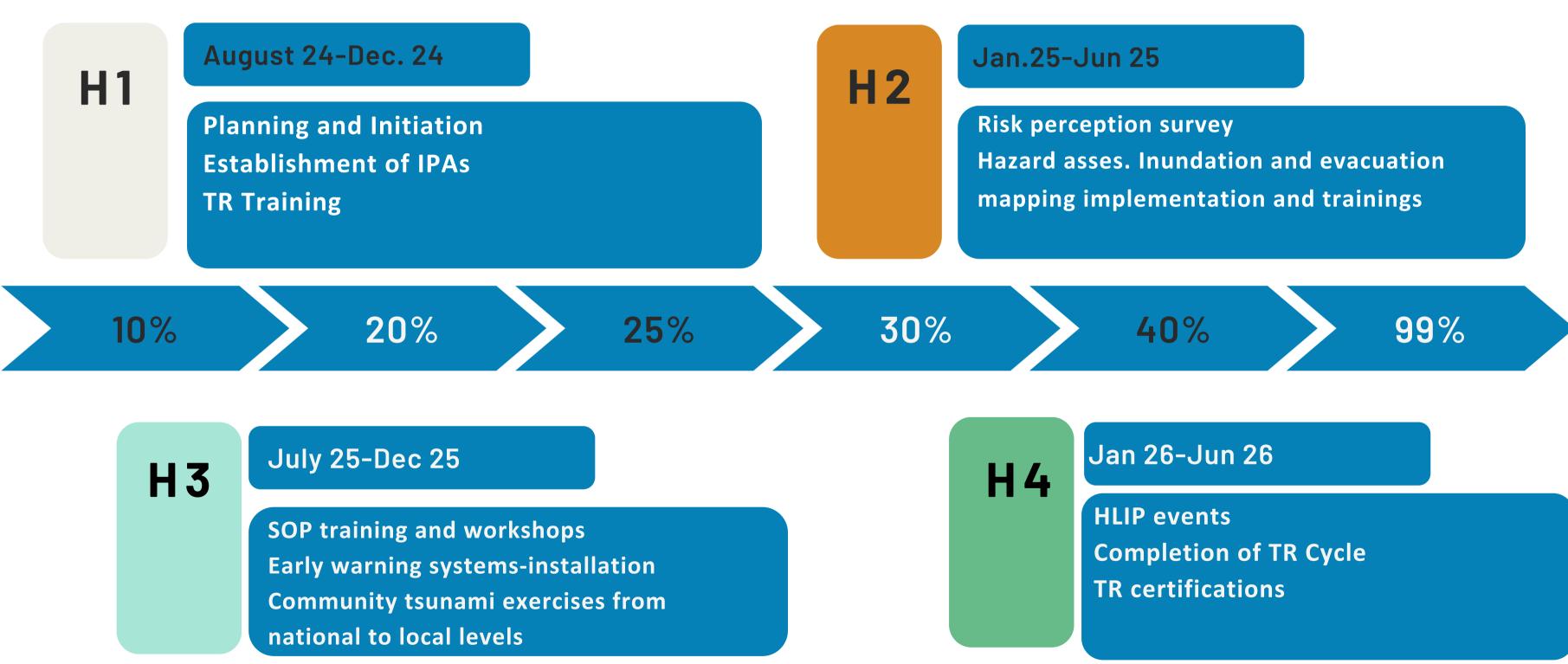








# **Implementation Timeline**





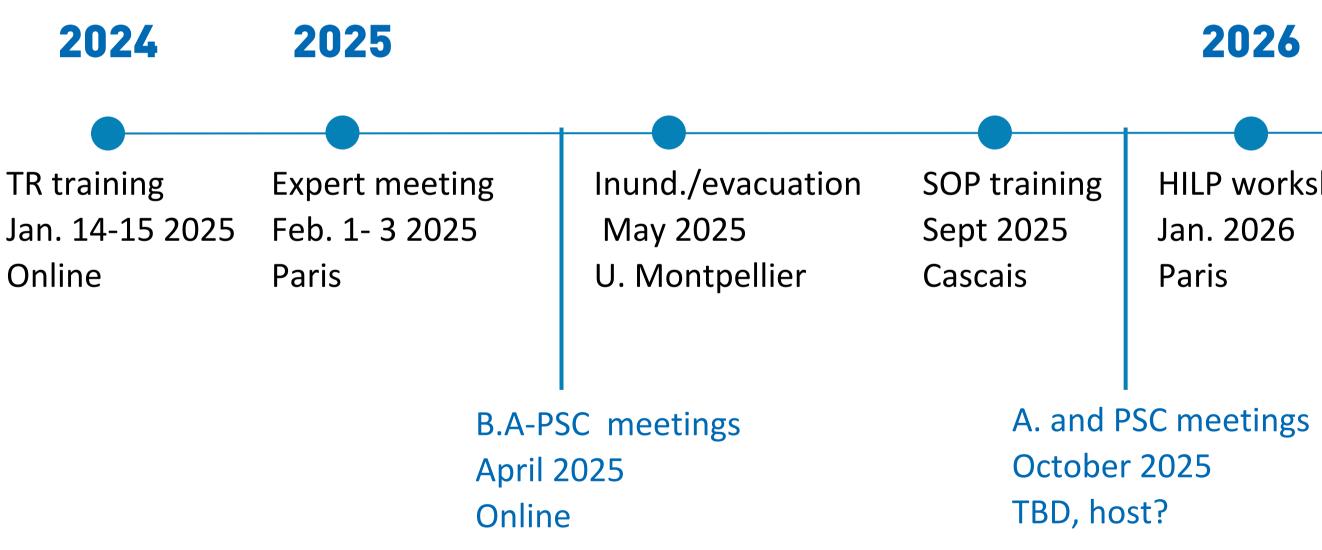


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# **Timeline of the key meetings/events**





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### 2026

| ILP workshop |
|--------------|
| n. 2026      |
| aris         |

TR ceremonies May. 2026 All

Final meeting July 2026 (Paris/host?)

**BA.-PSC** meetings Jan. 2026 Online

## **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 tsunami.

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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# Thank you





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## Follow up on social media!