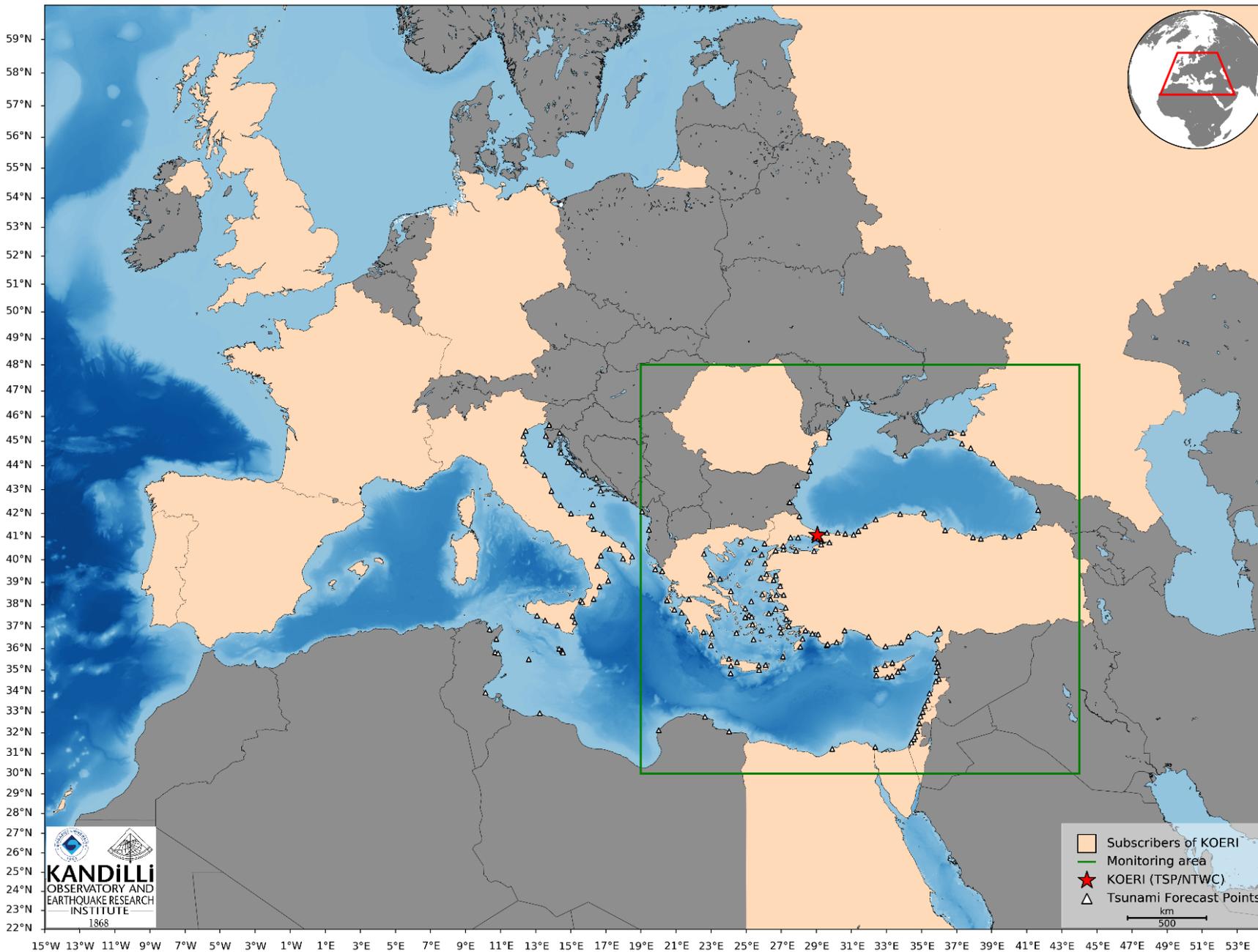


**Boğaziçi University**  
**Kandilli Observatory and Earthquake Research Institute**  
**Regional Earthquake-Tsunami Monitoring Center**



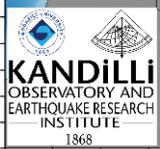
**TSP**  
**KOERI - TÜRKİYE**

**ICG/NEAMTWS XIII Session**  
**6-8 February 2024**  
**Paris, France**



**Monitoring Area:**  
**30.00 -48.00N**  
**19.00- 44.00E**

**Subscribers:**  
**15 MS, 21 Agencies/Institutes**  
**Including;**  
**AFAD, Muğla MM, Istanbul MM, TRNC**



## Regular Communication Tests

Daily Tsunami exercises; (three times in a day)

Monthly Tsunami exercises;

Monday - - > National

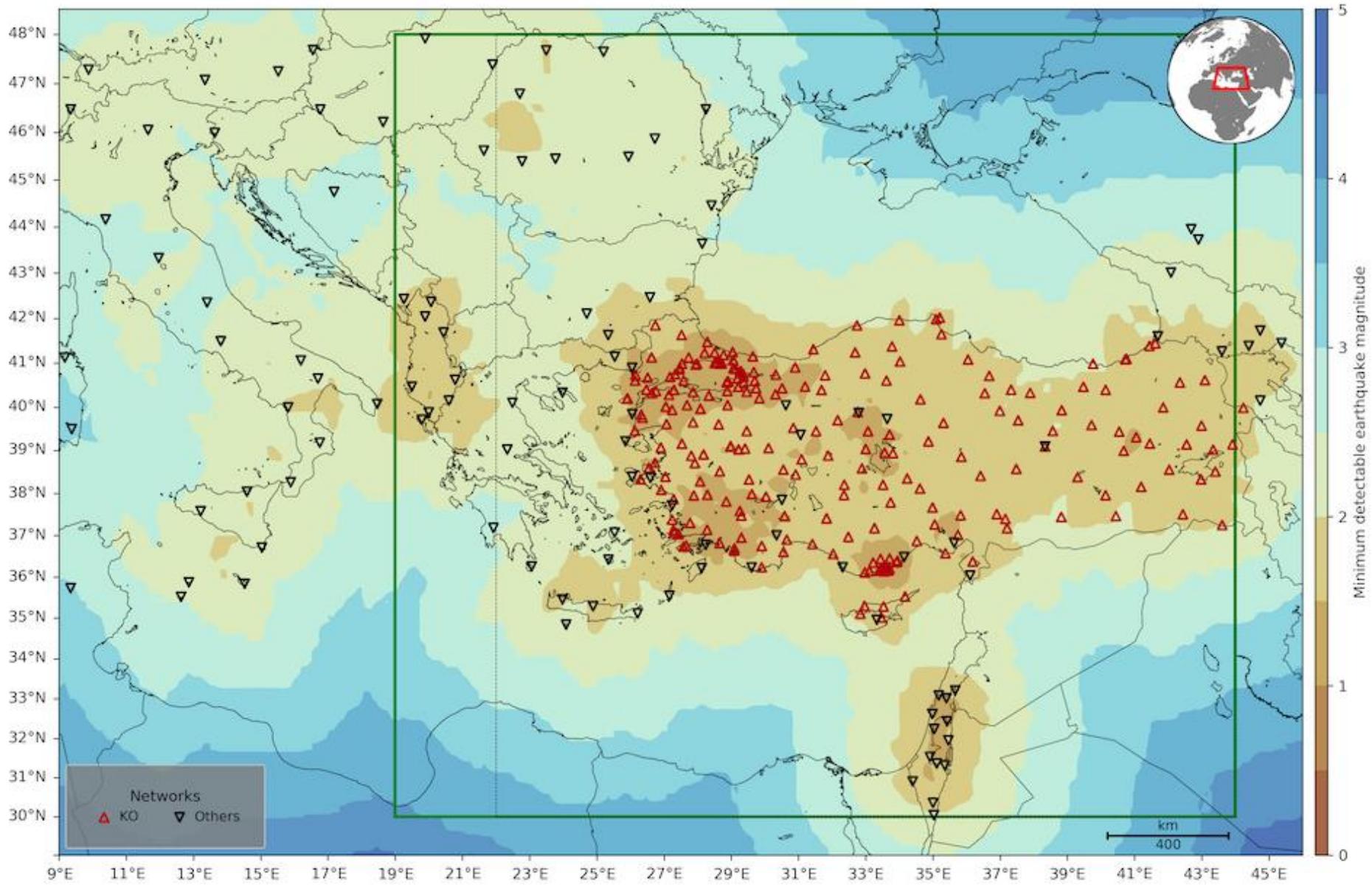
Tuesday - - > International

Failure of fax message dissemination (77/166) - -> %46

Failure of E-mail message dissemination (6/166) - - > %3

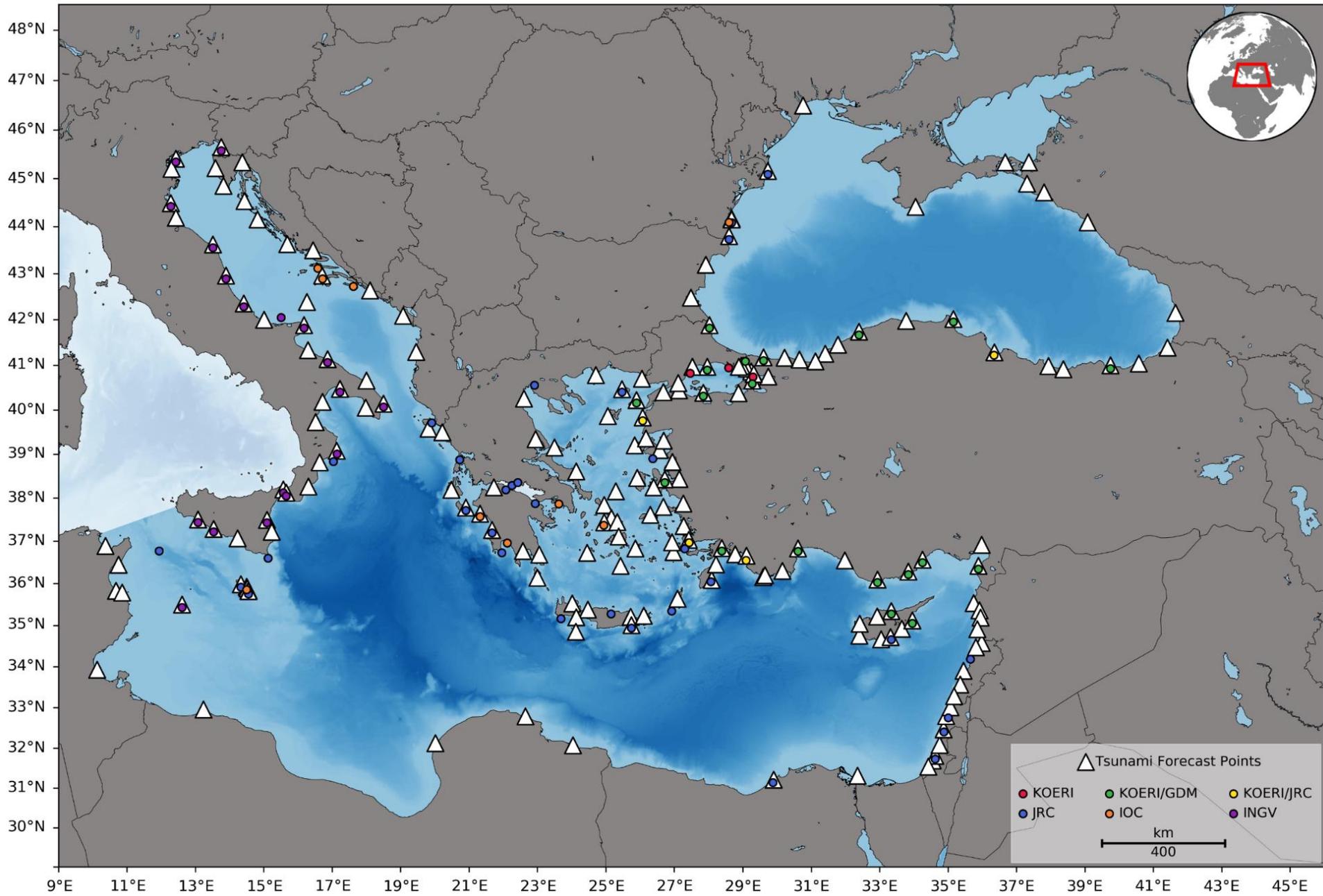
Failure of GTS Message dissemination (88/166) - -> %53

Failure of SMS message dissemination (133/166) - - > %80

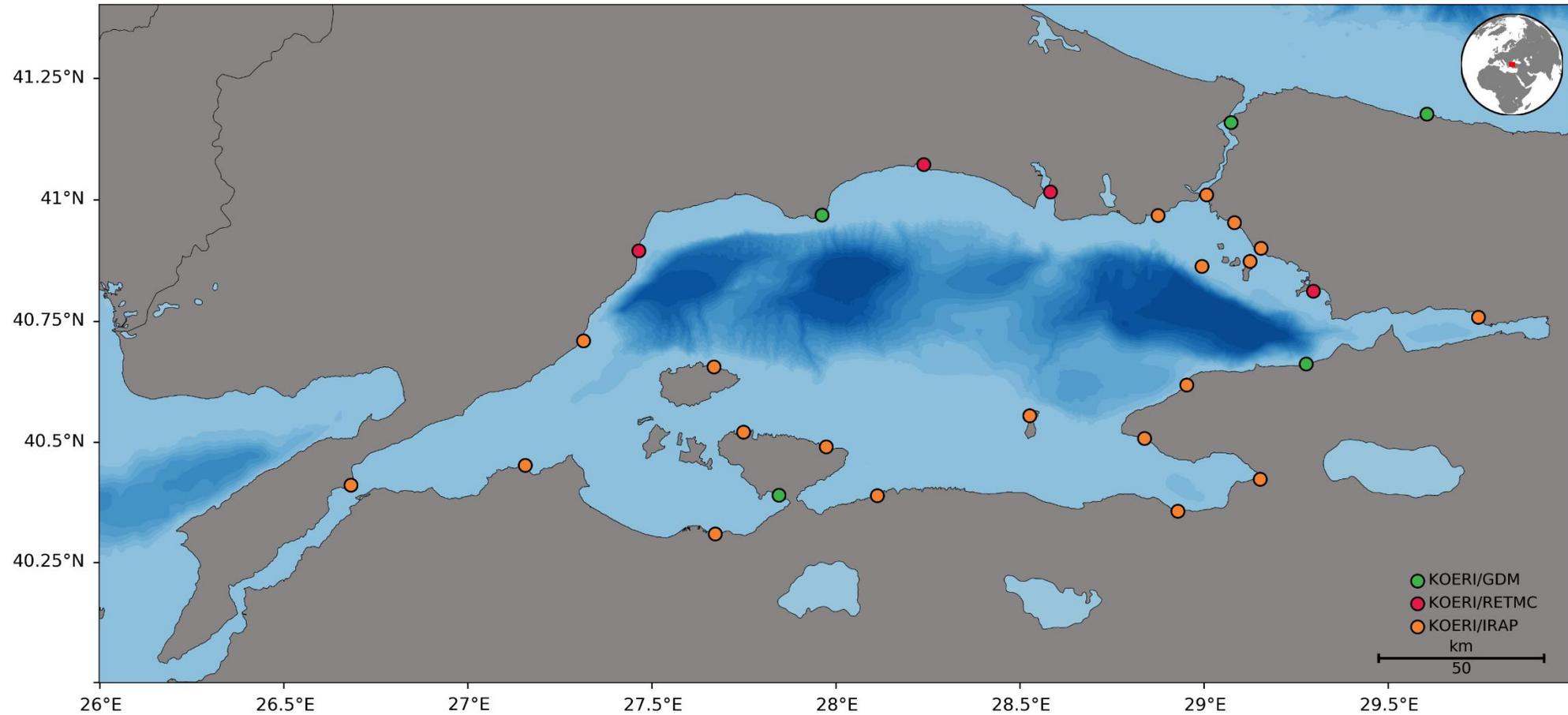


***Seismic Sensors:  
271 (BB+SM+SP)***

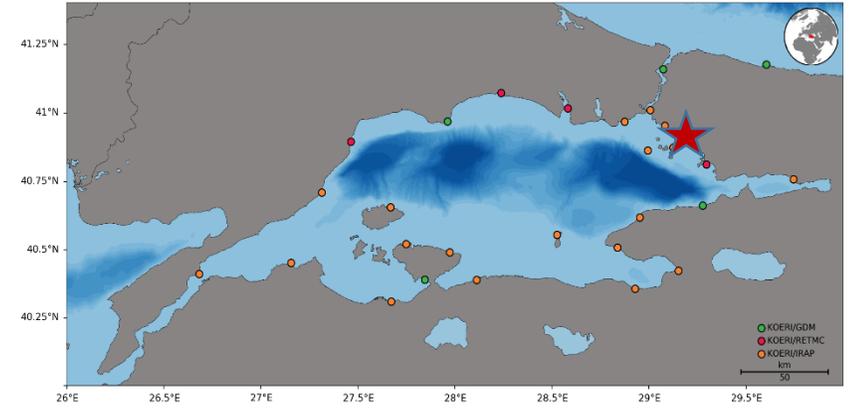
***(Including the recent sensors  
installed at the end of 2023)***



***Sea Level Stations:  
28 Sea level Stations  
(20 GDM+4 JRC+4 KOERI)***



***New Sea Level Stations:***  
***20 (Multidisciplinary***  
***sea level stations)***  
***(Including mareograph,***  
***meteorological sensors, SM,***  
***and GNSS) in the frame of***  
***Provincial Disaster Risk***  
***Mitigation plan for Istanbul***

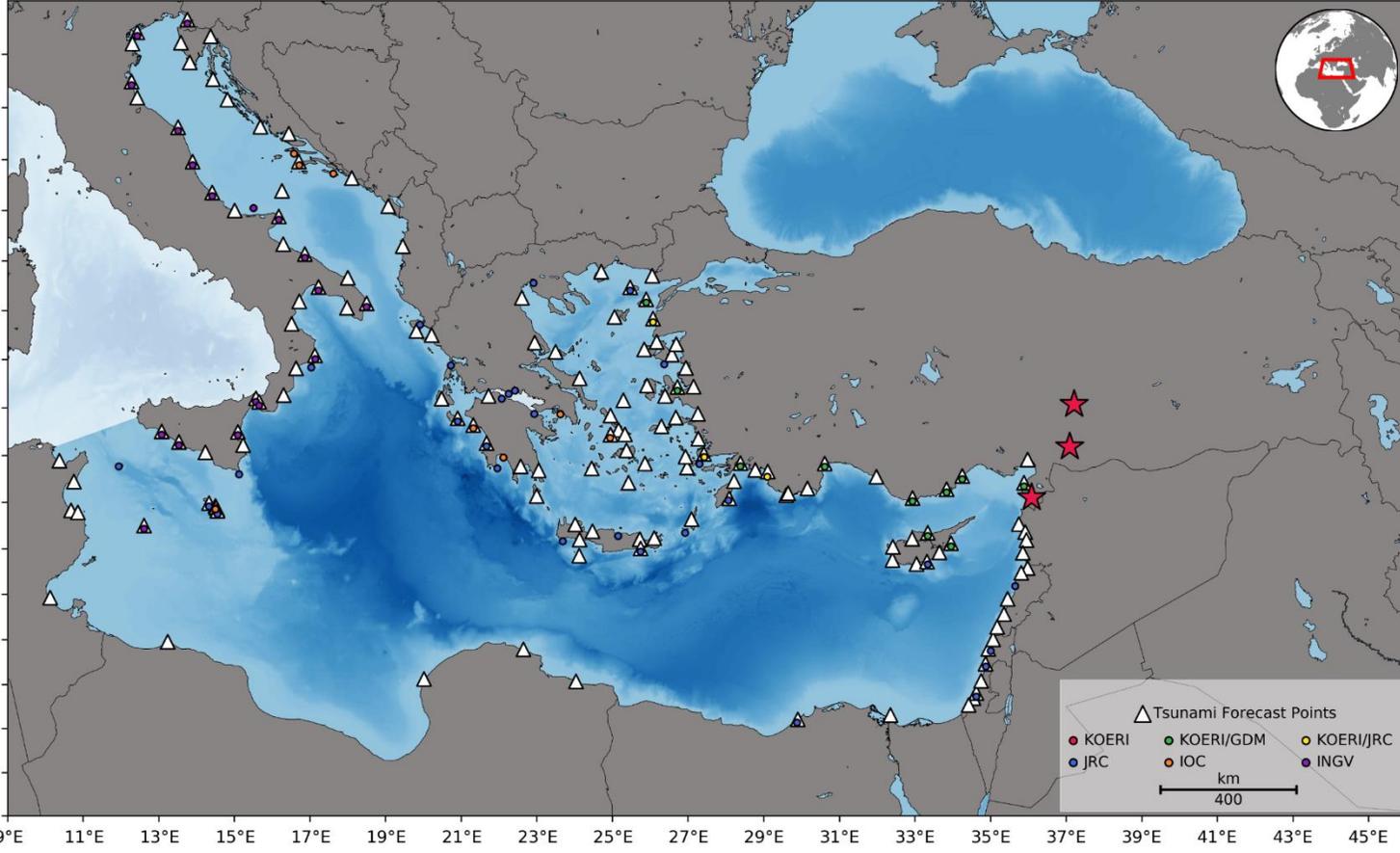


*Installation of the first station on 24 January 2024 at Kartal, Istanbul.*

6 ŞUBAT



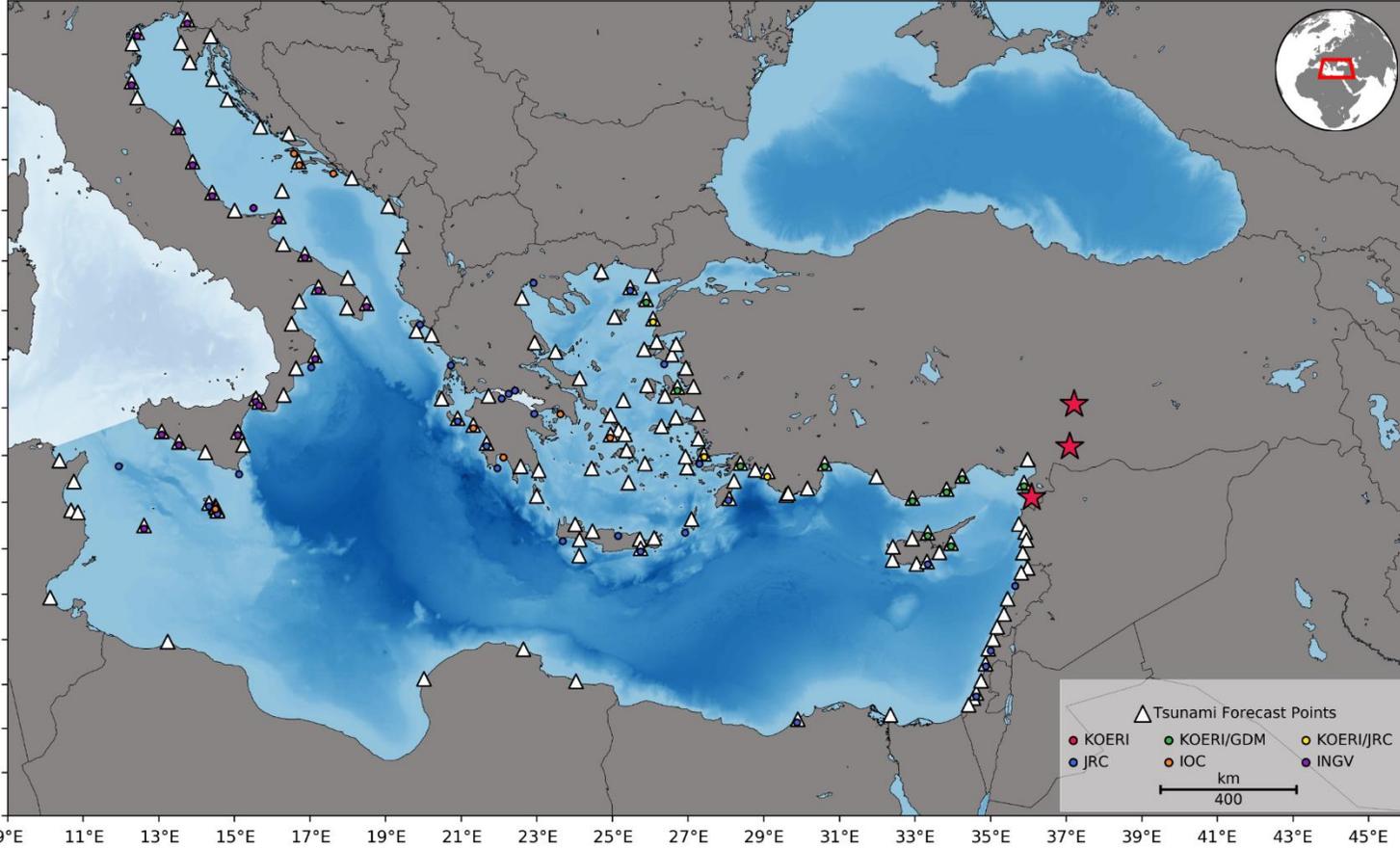
Kahramanmaraş - Hatay - Adıyaman  
Osmaniye - Gaziantep - Adana - Kilis  
Malatya - Elazığ - Diyarbakır - Şanlıurfa



**06 ŞUBAT 2023**  
**SOFALACA ŞEHİTKAMİL GAZİANTEP**  
Mw=7.7 01:17 UTC (37.1123 K 37.1195 D)

**06 ŞUBAT 2023 EKİNÖZÜ KAHRAMANMARAŞ**  
Mw=7.6 13:24 TSİ (38.0717 K 37.2063 D)

**20 ŞUBAT 2023 BÜYÜKÇAT-SAMANDAĞ-HATAY**  
Mw=6.3 17:04 UTC (36.1133 K 36.0820 D)



**06 ŞUBAT 2023**

**SOFALACA ŞEHİTKAMİL GAZİANTEP**

Mw=7.7 01:17 UTC (37.1123 K 37.1195 D)

**KOERI TSP Issued Tsunami message at 0132Z,  
06 FEB 2023.**

**06 ŞUBAT 2023 EKİNÖZÜ KAHRAMANMARAŞ**

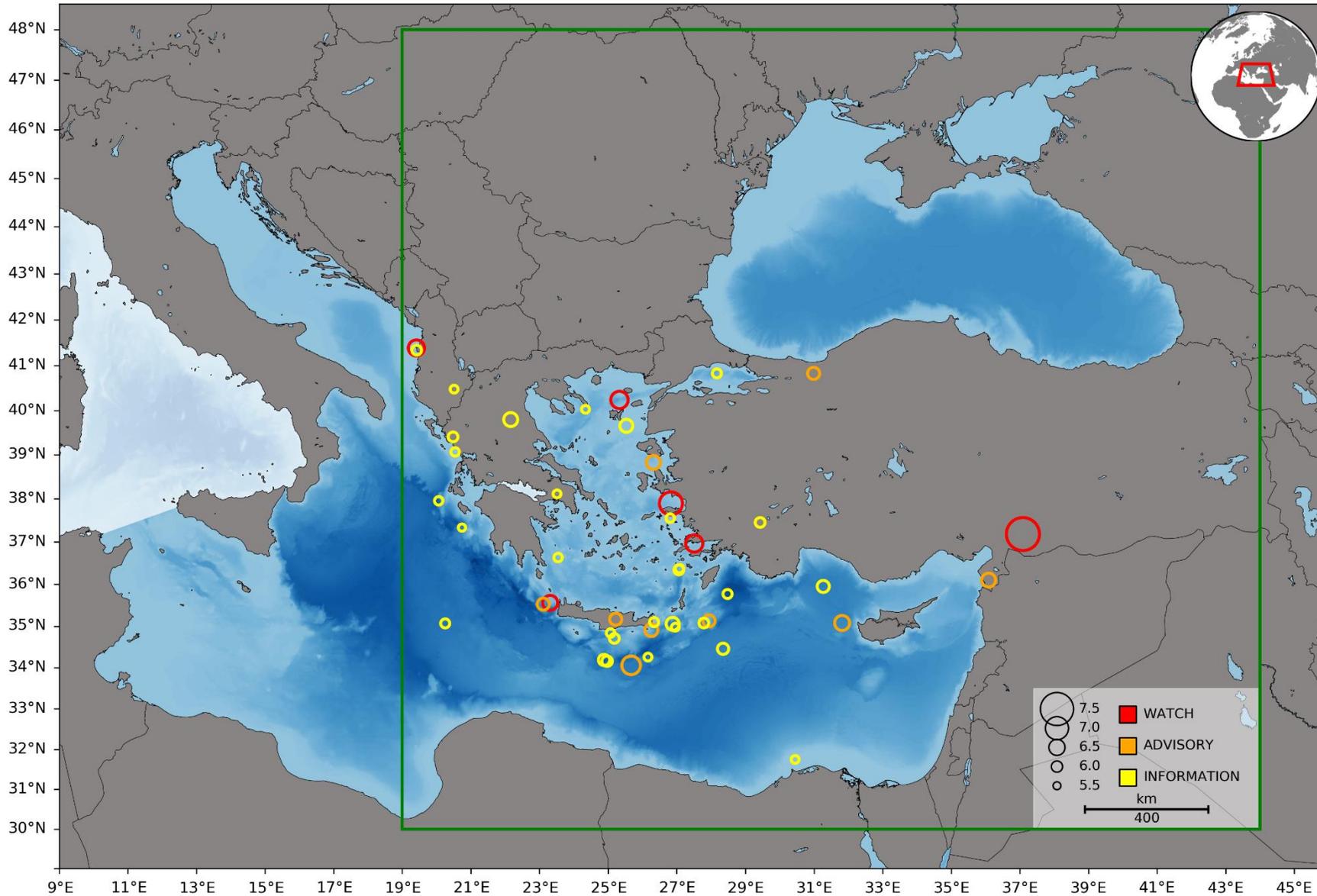
Mw=7.6 13:24 TSİ (38.0717 K 37.2063 D)

**20 ŞUBAT 2023 BÜYÜKÇAT-SAMANDAĞ-HATAY**

Mw=6.3 17:04 UTC (36.1133 K 36.0820 D)

**KOERI TSP Issued Tsunami message at 1712Z,  
20 FEB 2023.**

**Tsunami Message announced to public for the first  
time.**



***Tsunami Messages:  
45 (30 information,  
9 advisory,  
6 watch)***

***as of July 2012***

DATE	TIME	LOCATION	LAT	LON	DEPTH	MAGNITUDE	ALERT LEVEL
26.12.2021	18:59	Crete	34.98	26.96	10	5.5 Mwp	INFORMATION
29.12.2021	05:08	Crete	34.84	25.07	67	5.6 Mwp	INFORMATION
11.01.2022	01:07	Offshore Cyprus Island	35.08	31.82	20	6.4 Mwp	ADVISORY
16.01.2022	11:48	Aegean Sea	40.03	24.34	10	5.5 Mwp	INFORMATION
31.08.2022	10:10	Aegean Sea	37.55	26.81	10	5.6 Mwp	INFORMATION
8.09.2022	07:36	İlonian Sea	37.95	20.06	10	5.6 Mwp	INFORMATION
2.10.2022	04:04	Crete	34.26	26.16	10	5.5 Mwp	INFORMATION
23.11.2022	01:08	Düzce-Türkiye	40.83	30.99	10	6.1 Mwp	ADVISORY
25.01.2023	12:37	Greece	35.77	28.48	58	5.7 Mwp	INFORMATION
6.02.2023	01:17	Gaziantep-Türkiye	37.18	37.09	13	7.5 Mwp	WATCH
20.02.2023	17:04	Hatay-Türkiye	36.10	36.09	33	6.3 Mwp	ADVISORY

*as of previous ICG/NEAMTWS, 24-26 November 2021*



## ARISTOTLE-eENHSP

All Risk Integrated System **TOWARDS** The **holistic** Early-warning *enhanced* European Natural Hazards Scientific Partnership



Strengthening the Resilience of Coastal Communities in the North East Atlantic, Mediterranean Region to the Impact of Tsunamis and Other Sea Level-Related Coastal Hazards (CoastWAVE)

# Strengthening the Resilience of Coastal Communities in the North East Atlantic, Mediterranean Region to the Impact of Tsunamis and Other Sea Level-Related Coastal Hazards

## Special Thanks!



TÜRKİYE CUMHURİYETİ  
BÜYÜKÇEKMECE KAYMAKAMLIĞI

## Other Activities

# CONFERENCE ON TÜRKİYE'S CONTRIBUTIONS TO THE UN DECADE OF OCEAN SCIENCE

## OPERATIONALIZATION OF KOERI TSUNAMI WARNING SYSTEM in the EASTERN MEDITERRANEAN and Its CONNECTED SEAS: A Decade of Achievements and Challenges

Presenter Name: Dr. Musavver Didem CAMBAZ  
Institution: Boğaziçi University-KOERI  
Email Adress: didem.samut@boun.edu.tr



KOERI Team: Doğan Kalafat, Fatih Turhan, Yavuz Güneş, Pınar Deniz, Seda Işık,  
Mehmet Özer, Tuğçe Ergün, Selda Altuncu Poyraz, Kıvanç Kekovalı, Haluk Özener

26.09.2023 ANKARA, TÜRKİYE

**#OceanDecade**

**THE SCIENCE WE NEED  
FOR THE OCEAN WE WANT**



2021  
2030 United Nations Decade  
of Ocean Science  
for Sustainable Development



ODTÜ  
METU



# Other Activities

The vision of the Ocean Decade is **'the science we need for the ocean we want'**.

The mission of the Ocean Decade is **'to catalyse transformative ocean science solutions for sustainable development, connecting people and our ocean'**.

The Ocean Decade will be implemented on a voluntary basis within the legal framework of the United Nations Convention on the Law of the Sea (UNCLOS). The Ocean Decade will facilitate the generation of data, information and knowledge needed to move from the 'ocean we have' to the 'ocean we want'. Seven outcomes describe the 'ocean we want' at the end of the Ocean Decade:

1. A **clean ocean** where sources of pollution are identified and reduced or removed.
2. A **healthy and resilient ocean** where marine ecosystems are understood, protected, restored and managed.
3. A **productive ocean** supporting sustainable food supply and a sustainable ocean economy.
4. A **predicted ocean** where society understands and can respond to changing ocean conditions.
5. A **safe ocean** where life and livelihoods are protected from ocean-related hazards.
6. An **accessible ocean** with open and equitable access to data, information and technology and innovation.
7. An **inspiring and engaging ocean** where society understands and values the ocean in relation to human well-being and sustainable development.



## Other Activities



25,26,28 September 2023 CoastWAVE IDSL Training

IDSL Sea Level measurement stations training was carried out on 25-26, 28 September 2023, under the coordination of IOC/UNESCO ICG/NEAMTWS and with the support of DG ECHO, training was organized for the countries participating in the project. Before the training, KOERI took part as a beta tester in the preparation of the training manual.



# NEAMWAV23 Tsunami Exercise

7 November 2023

## NEAMWAVE23 TSUNAMI EXERCISE TABLE-TOP TSUNAMI EXERCISE, TSUNAMI READY COASTWAVE PILOT DISTRICT BÜYÜKÇEKMECE İSTANBUL,

Phase A  
NEAMWAVE23  
JOINT EARTHQUAKE SCENARIO

Eastern Mediterranean  
INGV, KOERI,NOA

Phase B  
TABLE-TOP TSUNAMI EXERCISE, BUYUKCEKMECE  
KOERI, METU, AFAD  
IMM Earthquake and Soil Investigation Directorate  
Büyükçekmece Municipality,  
Büyükçekmece District Governorate,  
Turkish Wireless and Radio Amateur Society (TRAC)

OBSERVERS

Office of Navigation, Hydrography and Oceanography  
Bogaziçi University



# NEAMWAV23 Tsunami Exercise

8 November 2023  
SOP WORKSHOP

## SOP WORKSHOP

**KOERI & METU  
IMM,  
AFAD,  
B y k ekmece Municipality,  
B y k ekmece District Governorate  
Turkish Wireless and Radio Amateur  
Society (TRAC)  
Office of Navigation, Hydrography and  
Oceanography**



## ***ANNOUNCEMENT:***

***Transition of Bogazici University E-MAIL EXTENSION from***

***@boun.edu.tr - - - > @bogazici.edu.tr***

***Thank You...***