

# NAT-RES

## NATech Resilience Initiative in the Black Sea Region

Initiative to strengthen resilience  
to natural and man-made (NATech)  
risks in the Black Sea region



## Brief about the Project

The NAT-RES project is a 24-month cross-border initiative funded by the Interreg NEXT Black Sea Basin Programme, aimed at enhancing the resilience of the Black Sea region to Natech events (natural hazards triggering technological accidents).

The project focuses on integrating advanced technological solutions, developing risk maps, implementing early warning systems, and increasing the preparedness of communities and infrastructure to complex risks caused by the interaction of natural and technological factors.

**Project duration: 24 months.**

## Project Partners



Istanbul Technical University Disaster Management Institute (ITU DMI)

**Lead Partner**



Istanbul Governorship Provincial Disaster and Emergency Directorate (AFAD)

**Partner**



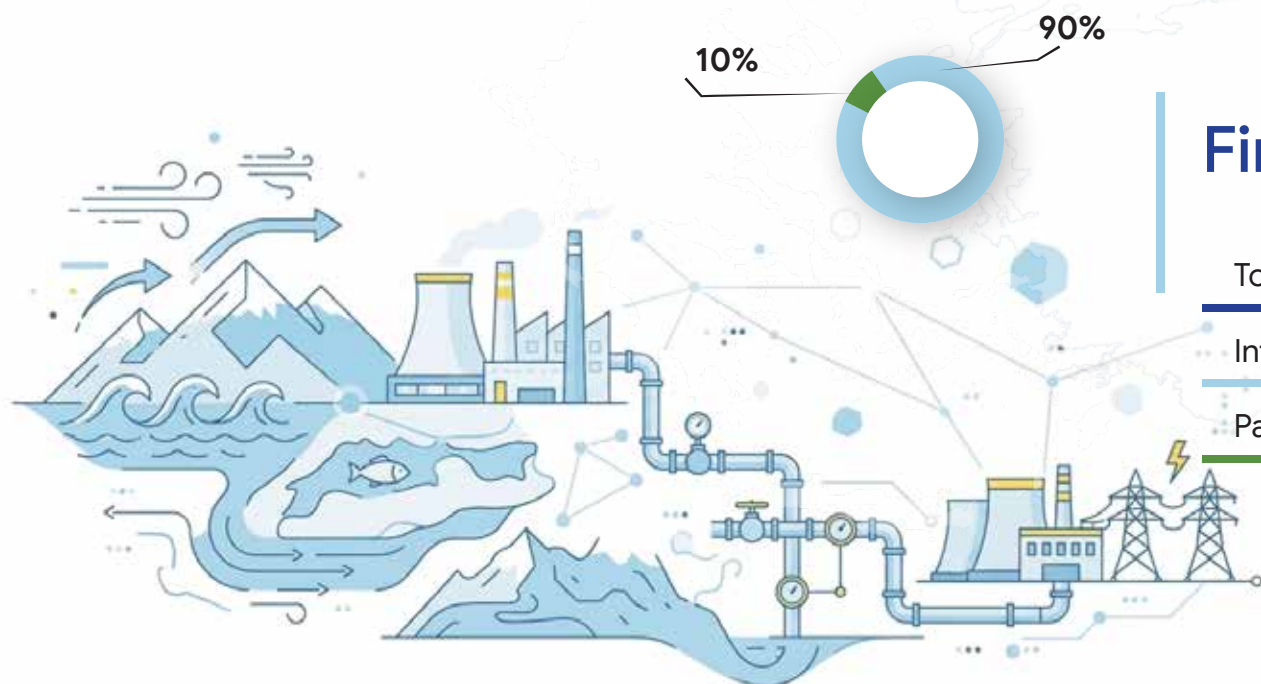
Region of Eastern Macedonia & Thrace (PAMTH)

**Partner**



All-Ukrainian NGO "Ukrainian Association of Business Support Centers" (UABSC)

**Partner**



## Financing

Total project budget:	<b>€1 636 586,40</b>
Interreg funding (90%):	<b>€1 472 927,76</b>
Partners' co-financing (10%):	<b>€163 658,64</b>

# Key Objectives and Results

- I Enhancing regional resilience to Natech events through the integration of technological, analytical, and governance tools;
- II Development of comprehensive risk maps (earthquakes, floods, armed conflicts) considering technological hazards;
- III Modernisation of AFAD-EKA software for modelling, monitoring, and early warning;
- IV Improving the preparedness of response services, authorities, and communities through training and simulation exercises;
- V Establishment of a cross-border cooperation network in the field of risk management;
- VI Reducing the impact of technological accidents on the environment, public health, and the regional economy.

## Main Activities

Establishment of interdisciplinary working groups and harmonisation of risk analysis methodology;

Development of Natech risk maps for three pilot areas: Istanbul, Mykolaiv, and Komotini;

Collection and analysis of data on natural and technological hazards (GIS, hydrology, seismology, infrastructure);

Expansion of AFAD-EKA software functionalities for modelling complex scenarios;

Organisation of trainings, capacity-building sessions, and simulation exercises for response services;

Vulnerability assessment of population, infrastructure, and industrial facilities;

Development of risk mitigation and response plans;

Implementation of pilot solutions (early warning systems, automatic shutdown systems, monitoring);

Organisation of an international conference on Natech risks.

# Who Will Benefit from the Project



Local and regional authorities – for integrating risk assessment into development planning;



Civil protection and emergency response services – for improving the effectiveness of emergency response;



Industrial enterprises and infrastructure operators – for reducing accident risks;



Research institutions and universities – for advancing research and innovation;



Civil society organisations and local communities – for increasing awareness and preparedness;



The general public – through access to knowledge, tools, and safety practices.



# Contacts

All-Ukrainian NGO “Ukrainian Association of Business Support Centers” (UABSC)

Contact person: Artem Vashchylenko, Executive Director



Email:

[artem.biz.mk@gmail.com](mailto:artem.biz.mk@gmail.com)



Phone:

+380 67 234 0677



Web:

<https://uabsc.org/>

The NAT-RES project is funded by the Interreg NEXT Black Sea Basin Programme and aims to develop new approaches to managing complex risks in the context of climate change, industrial pressure, and security challenges in the Black Sea region.

The responsibility for the content of this material is that of the author(s). The content of this material does not necessarily represent the official position of the European Union. Reproduction is authorized, provided the source is acknowledged, and any changes are indicated.

**Interreg**



Co-funded by  
the European Union



**AFAD**



**NEXT** Black Sea Basin

Publication date: 23 February 2026