



Black Sea Smart Marine Environmental Outcome System (BS-SEOS)

Interreg



Co-funded by
the European Union

NEXT Black Sea Basin

BS-SEOS

Project Duration: 2024-2027 - 30 months

Contract number: BSB00348

Funded under: Interreg NEXT Black Sea Basin Program, Program Priority: Clean and Green Region, Specific objective: RSO2.4 - Promoting climate change adaptation and disaster risk prevention, resilience, taking into account ecosystem based approaches

Total project budget: 1.291.447,20 EUR

Coordinated by: Turkish Metal Employers' Association of Metal Industries

NIMRD Project Coordinator: dr. Luminița Buga

BS-SEOS is a collaborative project aimed at enhancing the understanding of the Black Sea's ecosystem by collecting and sharing environmental data. Using innovative technologies like smart buoys and autonomous surface vehicles, the project facilitates continuous monitoring of key marine parameters such as temperature, salinity, oxygen levels, and chlorophyll-a. By integrating AI forecasting and leveraging data from national and European databases, the project seeks to provide a comprehensive and up-to-date view of the region's environmental health.

The primary goal of BS-SEOS is to establish a standardized communication system that enables the collection, sharing, and analysis of environmental data from diverse sources across the Black Sea region. This will promote cross-border cooperation, bridge data gaps, and allow institutions to run environmental models more effectively.

Specific objectives

- To increase cross border cooperation on collecting and sharing environmental data, in order to cover data gaps in time and space
- To demonstrate effectiveness of mobile online or on-demand data collection from selected sites
- To provide a common format for data sharing among already established different databases
- To provide a platform for data and result sharing so all parties benefit from regional efforts.
- To enable analysis of collected Black Sea regional data for determination of causes and further implications for the related organizations to act predictively

Project's outcomes

- Development of a centralized platform for sharing regional environmental data
- Enhanced collaboration among scientists, policymakers, and industries
- Improved monitoring and assessment of marine ecosystem health
- Informed decision-making for conservation and sustainable practices
- Increased public awareness about the importance of marine ecosystem health
- Strengthened resilience to environmental challenges in the Black Sea region

Partnerships

Türkiye (Project Lead: Turkish Metal Employers' Association of Metal Industries – MESS; Istanbul University – IU), Romania (National Institute for Marine Research and Development “Grigore Antipa” – NIMRD), Georgia (National Environmental Agency – NEA)

Map of the partner countries



Source:

https://blacksea-cbc.net/images/interreg-next-bsb-projects/BSB00348_BS-SEOS/BSB00348_BS-SEOS.pdf