

Joint Operational Programme “Black Sea Basin 2007-2013” - Our Projects -



Integrated Coastal Monitoring and Environmental Problems in Sea Region and the Ways of their Solution

Priority 2 - Sharing Resources and competencies for environmental protection and conservation

Measure 2.1 - Strengthening the joint knowledge and information base needed to address common challenges in the environmental protection of river and maritime systems



Common borders. Common solutions.

About the project:

Duration: 24 months

Total Project Budget: 1,070,157.00 Euro

Total Grant ENPI: 623,436.30 Euro

Total Grant IPA: 339,705.00 Euro

Start / End Dates: 16.02.2013-15.01.2015



Overall Objective:

The project is aiming to define the main problems faced by the Ports of Thessaloniki, Trabozan and Tbilisi and, further on, to develop management tools able to downscale regional information for solving local problems and to upscale local field data in order to create the bases of a regional information service.



Specific Objectives:

1. To record time series of oceanographic data and information that can give the picture of the condition of the marine environment in the Thermaikos Gulf and provide decision-makers (local and national) with an absolutely necessary tool for planning the development of the entire Thessaloniki metropolitan area and for the improvement actions.
2. To carry out field observations in order to determine the pollution background, diffusion coefficients, flow and rough sea water parameters in the estuaries and suburban areas of the Black Sea coast of Georgia and to create mathematical probability models of the spread of conservative and non conservative polluting substances, these models taking into account geophysical, wave, hydrological and other characteristics of the sea coastline.
3. To develop water quality management tools for coastal areas based on regional and local data.
4. To develop local mathematical models to assess the processes responsible for local water quality and to support the management of pollution events and set up monitoring and data management programs to be integrated into a regional monitoring program.

Expected results:

- Developed partnership among port authorities, local authorities and universities from target regions.
- Presented local and regional development policies in port environmental management and ways of solution.
- Created administration capacity for the implementation of development policies in environmental monitoring of the wider areas of coastal zones.
- Established positive framework for cross border cooperation between target regions.

Main Activities:

- The collection and study of the relevant hydrological and meteorological observations data, topographic and bathymetric maps and other materials.
- Organization of expeditions to carry out field observations of the investigated objects.
- The processing and classification of the obtained data on geomorphologic changes.
- Port Modelling.
- Water Quality Monitoring.

Partnership:

Beneficiary:

Municipality of Thessaloniki, Greece

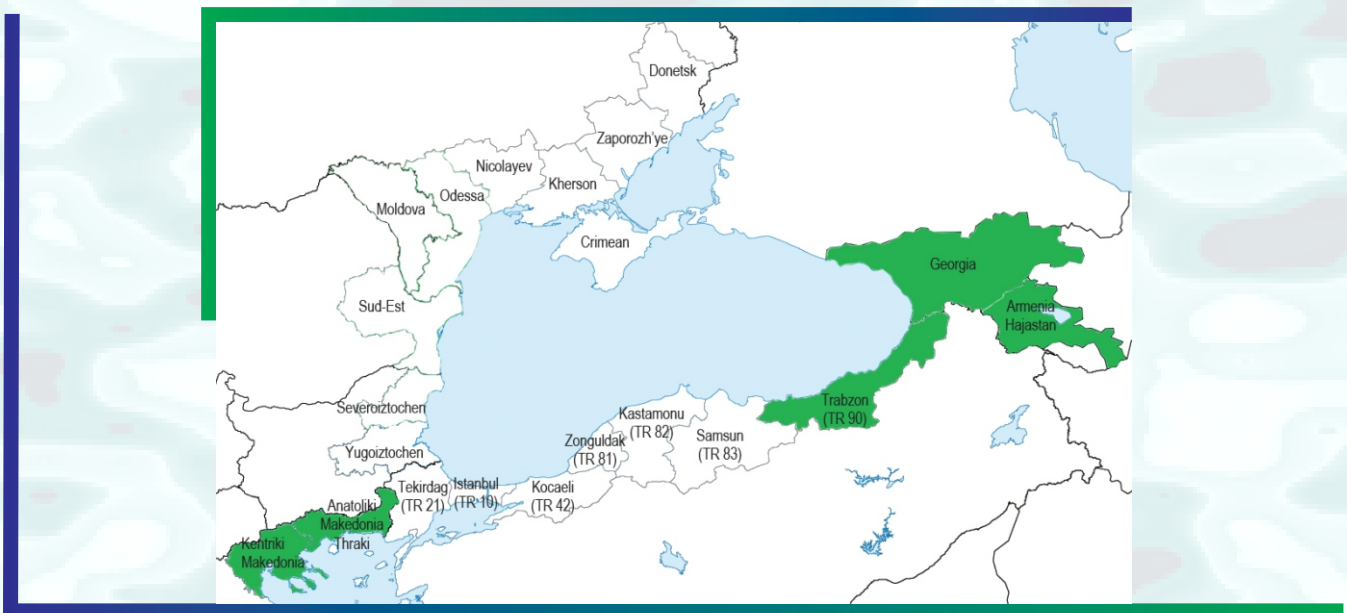
Partners:

- Union "Science and Energetics", Georgia
- Union Yerevan State University of Architecture and Construction, Armenia
- Karadeniz Technical University, Turkey

Associates:

Association "Hydrosphere", Georgia

Regions of Implementation:



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