

Annual progress of FP7 EU project: Up-grade Black Sea scene scientific network

Mariana Golumbeanu¹, Spyros Avdimiotis², Fokion K. Vosniakos², Perry Mentzelou²

¹*International Research Secretariat of B.EN.A., National Institute for Marine Research and Development, Constanta 900581, Romania*

²*Balkan Environmental Association (B.EN.A., Alexander Technological Educational Institute of Thessaloniki, P.O. Box 141, 57400-Sindos, Thessaloniki, Greece, E-mail: bena@gen.teithe.gr*

Summary

The Up-grade Black Sea - Scene project is an FP7 EU funded project running from 2009-2011 that is building and extending the existing research infrastructure (developed under FP6 project BlackSeaScene 1) with an additional 19 marine environmental institutes/organizations from the 6 Black Sea countries. Implementing FP6 RI SeaDataNet project standards regarding common communication standards and adapted technologies will ensure the datacenters interoperability. Main output will be on-line access to in-situ and remote sensing data, meta-data and products. The main goal is to introduce the new Black Sea partners to relevant EU directives and international Guidelines. The non-Black Sea partners transferred their experience and knowledge regarding the implementation of these Directives and Guidelines in their own country. The overall objective of the Up-Grade Black Sea SCENE project is to bring all 41 Black Sea institutes, holding data sets, to the same level of marine data management and to realise an operational infrastructure that is giving harmonised overview and access to the datasets, which are managed by these 41 Black Sea data centres.

Metadatabases in Up-Grade BS SCENE are:

European Directory of Marine Environmental Datasets (EDMED)

Cruise Summary Reports (CSR)

European Directory of the initial Ocean-observing Systems (EDIOS)

European Directory of Marine Environmental Research Projects (EDMERP)

European Directory of Marine Organizations (EDMO)

Common Data Index (CDI)

Black Sea DQC extension to EDMED

Black Sea Scientists Directory

Black Sea Publications Directory

Black Sea Socio Economic Data (SED)

Types of Datasets to be catalogued in EDMED forms: meteorological data, physical environment, hydrographical data, physical parameters, chemical parameters, biological parameters, environmental data; Land-based sources of pollution: sewage and urban run-off, urban solid wastes, persistent organic pollutants (POPs), heavy metals, organohalogen compounds, radioactive substances, nutrients, suspended solids, hazardous wastes; Off shore and marine-based pollution: petroleum hydrocarbons from shipping activities, marine litter; Emerging issues: biological invasions, overexploitation of fisheries resources, expansion of aquaculture, increasing appearance of Harmful Algal Blooms (HABs); Habitat destruction and physical alteration: shoreline construction and alteration, wetland and salt-marsh alteration, marine waters and coastal watershed alteration.

Key word: Black Sea Scientific Network, metadabase, type of datasets