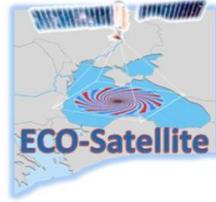




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DELIVERABLE ACT1.1

Methods Compendium

Development of a common intraregional monitoring system for the environmental protection and preservation of the Black Sea

Summary

Responsible Partners:

Aristotle University of Thessaloniki	Greece	AUTh
Danube Delta National Institute for Research and Development	Romania	DDNI

Contributing Partners:

Participant	Country	Acronym
Decentralised Administration of Macedonia and Thrace	Greece	DAMT
Balkan Environment Center	Greece	BEC
Odessa Branch Institute of Biology of Southern Seas National Academy of Sciences of Ukraine	Ukraine	OBIBSS
District Administration Varna	Bulgaria	DAV

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Summary

This report summarizes the work carried out in the frame of Activity 1.1 “*Review of scientific, technical and legal framework for environmental monitoring*” towards the completion of Deliverable 1.1 “*Methods Compendium*” of the ECO-Satellite project. The following report provides a review of the scientific, technical and legal framework for environmental monitoring that will form the breadboard for the design of the protocol and the system architecture towards environmental monitoring in the Black Sea area. More specifically, a review the current scientific knowledge for environmental monitoring is given, with respect to the parameters that should be monitored, the instruments to be used (analog vs. digital), the kind of input data/instruments, the kind of sites to be monitored, how the various sites differentiate in terms of monitoring and the frequency, scale, accuracy, etc. of the input data for each site type. Moreover a review the current legal framework in the EU concerning wetland, coastal and marine areas is given, along with the respective national framework for Ukraine. Alongside is the description of the Bulgarian and Romanian legal framework and their harmonization with the current one presently in state for the EU. Finally, a review of the current technical framework for environmental monitoring is given in terms of how different types and scales of data are assimilated in one system and how does the type of site to be monitored influences the methods to be used (in-situ vs. satellite).
