



PROJECT OF INTEGRATED LAND-USE MANAGEMENT MODELLING OF BLACK SEA ESTUARIES

Name of Corporation: Hayrabolu Municipality

State of Project: Completed.



EUROPEAN UNION



The Scope and Objective of the Project:

The Integrated Land-use Management Modelling of Black Sea Estuaries (ILMM-BSE) Project is being realized in the areas, which cover the Meriç Ergene basin in Turkey, Rapotamo and Veleka river basins and deltas in Bulgaria, Dnieper, Dniester and Danube river basins and deltas in Ukraine and Guria region in Georgia.

Within the context of the ILMM-BSE Project, GIS based integrated databases and static decision support models of above-mentioned basins in the ENPI partner countries of this Project (Bulgaria, Georgia and Ukraine) and Turkey shall be established.





Within the project, it is planning the developing of numeric integrated land use management modeling that could be used as a tool for sustainable land use and catchment management in the areas defined above. These models could be used for determination of potential solid waste areas, potential settlement places and industrial areas, sustainable land use management and assessment of the scenarios about future land use.

Our company will create the system by determining the data standards in future that belongs the main products. System will be improved for every year with input data, its analyses power will increase and it will be a local decision and data center. This system will be very important with input the data that belongs many periods and it will be a monitoring system in time. Also the system will be developed and it lets users to run many models and present the results by a server.

Project Activities :

Within the scope of ILLM-BSE project, it is planning to make Land Use Management Modeling in Meric- Ergene Basin, Black Sea. The activities for this purpose will be given herein below:

1. Supply the current data that belong the Meric – Ergene Basin
2. Organize the current data according to coordinates and formats that defined in contract
3. Organize the 1990-2000-2006 land use and land use changes data according to Corine Land Cover criteria in Meric-Ergene basin
4. Producing 2012 land use layers in Meric-Ergene basin with satellite images by using Corine Land Cover criteria



5. Occurring detailed hydrologic data (catchment-microcatchment boundaries, drainage network, etc.) for Meric-Ergene basin
6. Creating GIS models, that lets prediction and occurring scenarios about the future, by using ArcSWAT tool and produced data in project area
7. Development of WebGIS software to present collected and configured data which will be open to all relevant queries and evaluations, and to publish maps which will be printable by authorised personnel.
8. Creation of a Project website, including the project schedule, project news and other documents relevant to the Project.

In all activities, work plan is the same as in presented in tender. There is no change in any work item and dates. Work plan will be presented in section 6 exact same in tender.

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