



REPUBLIC OF ALBANIA
MINISTRY OF ENVIRONMENT, FORESTRY
AND WATER ADMINISTRATION



MONTENEGRO
MINISTRY OF TOURISM AND SUSTAINABLE
DEVELOPMENT

LAKE SKADAR-SHKODRA INTEGRATED ECOSYSTEM MANAGEMENT PROJECT

REQUEST FOR EXPRESSION OF INTEREST
DEVELOPMENT and DESIGN OF SPECIFIC GEODATABASE FOR THE
SKADAR-SHKODER LAKE PROTECTED AREA

This request for expressions of interest follows the general procurement notice for this project that appeared in Development Business in October 24 2008 and dgMarket online in October 23, 2008

The Government of Montenegro and Government of Albania have received a GEF Grant, administered by the World Bank, focusing on Strengthening Joint Cooperation for Management of the Lake Skadar-Shkoder Ecosystem. The Project has three components: Component 1: Capacity Building for Improved Understanding and Joint Management of Lake Skadar-Shkoder, Component 2: Promoting Sustainable Use of Lake Skadar-Shkoder and Component 3: Catalyzing Pollution Reduction Investments.

Contribution for better understanding of the lake ecosystem and surrounding area is subject of the LSIEMP but also of the various projects in the past and it is expected that process of contribution for better understanding of the lake ecosystem will continue in the future.

In the framework of the LSIEMP significant number of documents (studies, analyses, plans) has been prepared and thus, strongly contributed to the better understanding of the Skadar/Shkoder Lake area.

Importantly, in the framework of the LSIEMP Joint Database of Skadar-Shkodra Lake (JDB) with the objective to establish a three lingual (English-Albanian and Montenegrin) database for storing, managing, retrieving and updating available and existing information on Lake Skadar-Shkodra is in the final stage of development.

There is a growing need from the stakeholders, especially protected area managers, for using of this large knowledge database and data collected for analysing, planning and decision making in quick and not too demanding and time consuming manner.

The process of using information from existing pool of knowledge and especially data collected by the JDB should be simple, targeted, and easy to understand but yet complex enough to support detailed analyses on the larger but also on very local scale.

The JDB will contribute to consolidation and harmonization of various existing data into single database but will not be able to show spatial relations between different sets of data and to visually interpret them.

It is identified that proper use of the Geographic Information System (GIS) tool can provide requested services as an addition to the use of JDB.

In the past, there were efforts to implement the use of GIS in the project area by Public authorities in charge for protection of the Skadar/Shkodra Lake. GIS use trainings and equipment purchase has been one of the activities conducted, yet still missing the appropriate use of the GIS in every-day work on both sides of the lake.

One of the strong reasons for that has been identified as lack of the comprehensive national/regional thematic baseline GIS files.

The objective of the assignment is to develop and design specific geo-database (collection of thematic GIS shape files) for use of the managers of Skadar/Shkoder lake protected area

The scope of the assignment is: a) to review sources of data that can be used for creation of the geo-referenced database from the existing and available documentation, b) review sources of data that can be used for creation of the geospatial database from the existing documentation, c) collecting of data and identifying thematic general (protected areas, protection zones and administrative borders, roads, vegetation, rivers, land use and population) and specific layers (pollution sites, monitoring stations, tourist facilities, hiking & biking trails, churches, fishery sites, settlements, land use, population data etc.) to be produced for the Skadar/Shkoder Lake protected area, d) scanning, geo-referencing and preparing of material for producing of general layers, e) Scanning, geo-referencing and preparing of material for producing of specific layers, use of areal and satellite imagery (where applicable) to improve quality of collected data, f) digitalization of map and preparing data for producing GIS compatible format, g) field collection of geospatial data to fulfill identified gaps (if needed), h) Creating and populating Skadar/Shkodra Lake geo-referenced database including thematic layers, j) Defining of proposal for maintaining, populating and improving of geo-referenced database for the Protected area managers, including describing potential application areas.

The expected results of this activity will be preparation of a detailed report and delivery of the functional GIS database file, consisting of the selected thematic layers that will serve as a baseline map dataset for the protected area managers in the Skadar-Shkoder Lake.

The time frame of this assignment will be 4 months with an estimate of 60 working days.

The Project Implementing Unit now invites eligible qualified individual consultants to indicate their interest in providing the services. Qualified individual consultants with University degree in disciplines such as mathematical sciences and at least five years of professional experience, computer programming, etc, good knowledge of the computer databases and GIS software, familiarity with Skadar-Shkoder Lake Area in Albania and Montenegro and, knowledge of the English language are invited to present their CVs providing information indicating that they are qualified to perform the services.

An individual consultant will be selected in accordance with the procedures set out in the World Bank's [*Guidelines: Selection and Employment of Consultants by World Bank Borrowers*](#), (May 2004) Section V (Selection of Individual Consultants).

Evaluation criteria and sub criteria will be as follows

1. Level of Education (not less than University degree)	30 points
2. General professional experience (not less than 5 years)	20 points
3. Specific working experience with computer databases and GIS software	40 points
4. Knowledge of the English Language	10 points
TOTAL	100 Points

Interested consultants may obtain further information at the address below during office hours starting at 8.00 to 16.00 Monday through Friday.

Lake Skadar-Shkodra Integrated Ecosystem Management Project

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Deadline for submission of Expressions of Interest is 22 March 2012, at 16:00

Expressions of interest must be delivered to the up mentioned address.