**REQUEST FOR EXPRESSION OF INTEREST**

National consultant to support the implementation of the activity “Monitoring marine and coastal environment - monitoring Common Indicator 16” in the frame of the

CAMP Bosnia and Herzegovina project

The Priority Actions Programme Regional Activity Centre (PAP/RAC) is seeking to contract a national consultant to assist in the implementation of the activity “Monitoring marine and coastal environment- monitoring Common Indicator (CI) 16 in the frame of the Coastal Area Management Programme for Bosnia and Herzegovina (CAMP BH) project.

Coastal Area Management Programme (CAMP) is being implemented by the UN Environment Programme/Mediterranean Action Plan (MAP) since 1989. The main objective of the MAP CAMP is to provide technical assistance to the Mediterranean countries in solving urgent environmental problems, and to introduce the Integrated Coastal Zone Management (ICZM) as the basic tool to achieve sustainable development at the selected sites in their coastal regions.

### Monitoring marine and coastal environment – monitoring CI 16 is one of the individual activities that should contribute to the implementation of the Integrated Monitoring and Assessment Programme (IMAP) of the Barcelona Convention.

Interested applicants are requested to submit their expressions of interest including the requested documents by e-mail to the National Project Coordinator (NPC) Mr. Josip Njavro at jnjavro@gmail.com, no later than May 10, 2021 (at 16.00 CET) – Extended to May 14.

**Termes of Reference**

for the Report onthe activity “Monitoring marine and coastal environment - monitoring Common Indicator 16” in the frame of the CAMP Bosnia and Herzegovina project

**Introduction**

Coastal Area Management Programme (CAMP) is being implemented by the Mediterranean Action Plan (MAP) since 1989. By now, CAMP projects have been implemented in almost all Mediterranean countries. The main objective of the MAP CAMP is to offer assistance to the Mediterranean countries in solving urgent environmental problems, and to introduce the integrated coastal zone management (ICZM) as the basic tool to achieve sustainable development at the selected sites in their coastal regions. All MAP Components have been involved in the hitherto implementation of CAMP projects.

Following a request presented by the Government of Bosnia and Herzegovina (BH), the Contracting Parties (CPs) to the Barcelona Convention approved the decision to carry out the CAMP for BH at their 19th Ordinary Meeting held on 9 – 12 February 2016 in Athens, Greece. The Feasibility Study (FS) for this project was prepared in the period January 2017– July 2018 and finally approved by the Council of Ministers in May 2020. The Agreement was signed on 29 June 2020 and opened the way for the implementation of this CAMP.

Mediterranean coastal areas are particularity threatened by coastal development that modifies the coastline through the construction of buildings and infrastructure needed to sustain residential, commercial, transport and tourist activities. The land, intertidal zone and near-shore estuarine and marine waters are increasingly altered by the loss and fragmentation of natural habitats and by the proliferation of a variety of built structures, such as ports, marinas, breakwaters, seawalls, jetties and pilings. These coastal manmade infrastructures cause irreversible damage to landscapes, losses in habitat and biodiversity, and strong influence on the configuration of the shoreline. Indeed, physical disturbance due to the development of artificial structures in the coastal fringe can disrupt the sediment transport, reduce the ability of the shoreline to respond to natural forcing factors, and fragment the coastal space. The modification of emerged beach and elimination of dune system contribute to coastal erosion phenomena by lessening the beach resilience to sea storms. Coastal defence infrastructures have been implemented to solve the problem together with beach nourishment but preserving the natural shoreline system with adequate sediment transport from river has proved to be the best solution.

Monitoring the length of coastline subject to physical disturbance due to the influence of manmade structures and its trend is of paramount importance to preserve habitat, biodiversity and prevent coastal erosion phenomena, as well as for its importance in land-sea interactions. Until now there has not been systematic monitoring in Mediterranean regarding this, in particular not quantitatively based monitoring or any major attempt to homogenously characterize coastal ecosystems on a wider Mediterranean basis. The status assessment of EO8 aims to fill this gap.

**Objectives**

To prepare the report on monitoring of the Common indicator 16 for the whole Mediterranean coastline of Bosnia and Herzegovina by using the Guidance Fact Sheet where the method is presented as well as the Information standards (Data Standards and Data Dictionaries) for the format of results to be uploaded to the IMAP info system.

The following reference documents should be taken into account that are integral part of the contract:

1. Indicator Guidance factsheet for EO8 Coastal Ecosystems and Landscapes Common Indicator 16 “Length of coastline subject to physical disturbance due to the influence of manmade structures”; and
2. Information standards for the Common Indicator 16.

**Outputs**

1. Narrative Report with the presentation of the main characteristics of Bosnia and Herzegovina coastline and its coastal area; the main results of monitoring, difficulties encountered while monitoring, experiences. The main indicator units are:

* Km of artificial coastline and % of total length of coastline.
* Percentage (%) of natural coastline on the total coastline length.

1. GIS layer (polyline; WGS 84 decimal degree): Artificial\_structures with location and extend of artificial structures, with attribute table; to be uploaded directly to IMAP Info system coordinated by INFO/RAC (Link/Password provided to responsible Info System User in Bosnia and Herzegovina)
2. GIS layer: Coastline\_AN: Artificial/Natural coastline with attribute table.

#### Job requirements

The consultant should possess the following general qualifications and professional experience:

* University degree in one of the following fields: geoinformatics, geodesy, coastal zone management, natural or technical sciences, or urban and regional planning. A Master or PhD degree will be favoured.
* An excellent command of the GIS tool
* At least 5 years of experience in working on the projects relevant to the main activity fields of this project.
* Experience in participating in international cooperation projects.
* Written and oral fluency in English.

**Remuneration**

For the delivery of the Outputs the consultant will be remunerated with the amount of 8.000 Euro gross. Payment will be made after the clearance by PAP/RAC. The reports should be submitted in English, in Word format.

|  |  |  |
| --- | --- | --- |
| 1st part: Draft narrative report based on GIS layers | 30 July 2021 | 50% |
| 2nd part: Final narrative report and uploaded GIS layers to IMAP Info system | 6 September 2021 | 50% |

**Application**

Applicants are required to submit the following:

* Statement of interest (one page maximum)
* CV as a proof of job requirements

## **Evaluation of Proposals**

The proposals will be assessed according to the following criteria:

|  |  |  |
| --- | --- | --- |
|  | **Criterion** | Weighting |
| 1 | Qualifications | 50% |
| 2 | Professional experience | 20% |
| 3 | Participation in international projects | 15 % |
| 4 | Fluency in English | 15% |
|  | Total | 100% |

The contract will be awarded to the applicant with the highest score.