

# **Workshop on the Preparation of the Action Plan for Biodiversity and marine protection with special reference to the establishment of marine protected areas in the part of the Adriatic Sea belonging to Bosnia and Herzegovina**

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**Sarajevo, 21/02/2023**



***COASTAL AREA MANAGEMENT PROGRAMME (CAMP)  
FOR BOSNIA AND HERZEGOVINA WITH SOME ASPECT ON  
PROTECTED AREA IN MUNICIPALITY NEUM***



## Background

- 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.
- The decision to carry out the CAMP for B&H was approved at the 19th Ordinary Meeting of the Contracting Parties to the Barcelona Convention, 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 Project (including a detailed formulation and implementation) was envisaged to last between July 2020 and July 2022, while the implementation of post-Project activities is envisaged from 2022 to 2024.



## Main goals:

The main goals of the CAMP Project for B&H are:

- to create necessary mechanisms that can help achieve sustainable development of the coastal area;
- to support the efforts of B&H towards the ratification of the ICZM Protocol;
- to support implementation of national policies related to coastal area;
- to promote integrated and participatory planning and management in the coastal area;
- to build national, federal, cantonal and local capacities for ICZM and raise awareness on the importance of the coastal area and on the complexity and fragility of its ecosystems, as well as on the need for integrated approaches in managing them; and
- to facilitate the transfer of knowledge on ICZM tools and approaches.

\*When standing alone, the term “national” refers to all state levels of administration (state, federal, cantonal and local), and when standing with other levels, it refers only to the highest level, i.e. state ministry, national government, etc.



**The key CAMP stakeholders are, primarily:** of Foreign Trade and Economic Relations;

- Federation of B&H;
- Herzegovina-Neretva Canton;
- Coastal municipality (Neum);
- NGOs, other institutions and stakeholders. .

## Project

**area:** The CAMP B&H project area is the entire coastal zone which belongs to a single coastal municipality - Neum. The area is composed of a terrestrial part with a total surface of 226 km<sup>2</sup>, and of a marine part of 12,2 km<sup>2</sup>. The Municipality of Neum is known for its natural attractions and cultural heritage. As such, it has been of particular interest for the further development of tourism.



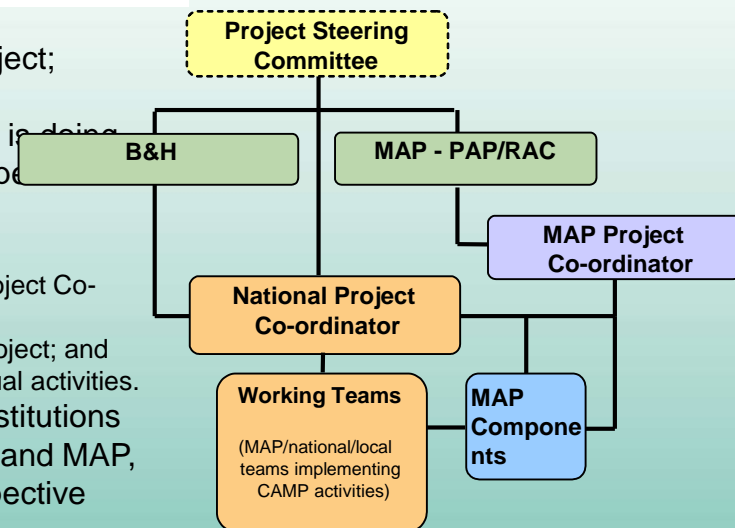
Neum is the only one B&H exit to the Adriatic Sea!

- SURFACE: 226 km<sup>2</sup>
- POPULATION: 5000
- MUNICIPALITY CENTER: NEUM
- COASTAL LINE: 24,5 km
- THE MAIN ECONOMIC ACTIVITY: Tourism
- More than 15.000 beds in hotels and private accommodation
- During the summer the population increases several times



## Project framework:

- ▶ **Steering Committee (SC)** - will provide the overall guidance for the Project;
- ▶ **The Ministry of Foreign Trade and Economic Relations** (National Focal Point - NFP for MAP) and CAMP B&H National Lead Agency, is doing the overall supervision of all Project activities in the country and will co-operate with the MAP Components;
- ▶ **The National Project Co-ordinator** is in charge of:
  - ▶ formulation and implementation of the Project, in co-operation with the MAP Project Co-ordinator;
  - ▶ harmonisation of actions implemented by national institutions involved in the Project; and
  - ▶ guidance and assistance to the experts related to the implementation of individual activities.
- ▶ **Working team** - Lead experts, nominated and accepted by respective institutions responsible for individual activities and confirmed by the B&H authorities and MAP, will be directly responsible for the formulation and implementation of respective activities



**MAP components, i.e. its RACs with particular expertise will provide for technical assistance to the Project, including:**

- Priority Actions Programme Regional Activity Centre (PAP/RAC);
- Mediterranean Pollution Assessment and Control Programme (MEDPOL)
- Specially Protected Areas Regional Activity Centre (SPA/RAC);
- Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC); and
- Information and Communication Regional Activity Centre (INFO/RAC).



## Project

**structure:** of preparatory activities, the CAMP B&H is designed to encompass two major components with a set of activities and sub-activities:

### A. Horizontal activities

- Project Co-ordination, integration and dissemination of results
- Capacity building/Awareness raising
- Spatial Data Infrastructure/Information system/Data management

### B. Individual activities integrated into Coastal Plan

- Institutional mechanism for ICZM
- Marine habitats and protected area
- Monitoring marine and coastal environment
- National Contingency Plan
- Sustainable tourism: coastal – hinterland
- Climate change adaptation



## Phasing of the Project

Phasing of the Project follows the approach incorporated in the ICZM methodology

**Stage I – Initiation (implemented before the signing of the Agreement).**

**Stage II – Detailed formulation of the Project:**

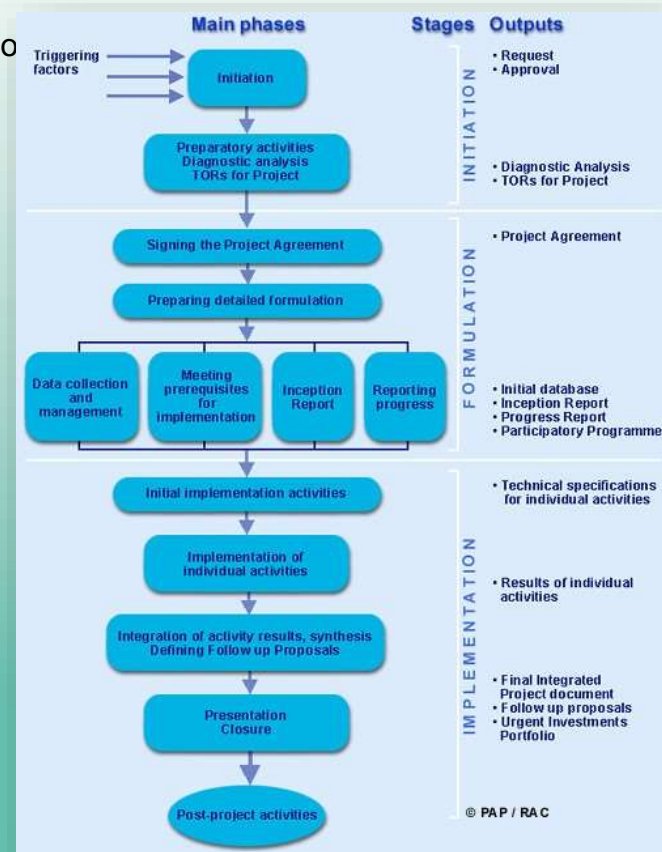
- Initial data collection;
- Meeting prerequisites for Project implementation;
- Draft Technical Specifications;
- Draft Inception Report;
- Inception Workshop/Final Inception Report;
- Approval to start the implementation stage.

**Stage III – Implementation:**

- Initial implementation activities, including preparation of the final version of the Technical Specifications for individual activities;
- Implementation of individual activities;
- Integration of the results, including the preparation of the Final Project Report;
- Presentation of the results at a final conference.

**Stage IV – Post Project Activities:**

- Formulation and implementation of follow-up activities;
- Monitoring and reporting;
- Presentation and use of the results at MAP level.



## Project outputs:

The main expected outputs of the CAMP Project for B&H are:

- **A Coastal plan** for the Project area incorporating inputs of several individual activities;
- **Increased capacity** of all the stakeholders, especially the local level ones;
- **Raised awareness** of coastal processes and integrated management;
- **Final Integrated Project Report**, with proposals for follow-up activities.



## **Activity 1 (component A) – Project co-ordination, integration and dissemination of results**

The main objective was to secure a harmonised, timely and cost-effective implementation of the Project in accordance with the Agreement.

### **Implemented Actions:**

- The institutional structure and the Project Steering Committee were established;
- the Technical Specifications and TORs for consultants were prepared;
- the Inception Workshop were organised;
- Actions for meeting prerequisites for implementation, evaluation, reporting;
- Provision of logistical assistance, financial procedures, supervision and verification of expenditures incurred;
- Securing flows of information and feedback related to data collected and other results of individual activities;
- Harmonisation and integration of activities;
- Proposing a revision of objectives, timetable, and the programme, if needed;
- Revision of drafts and clearance of the final outputs of individual activities;
- Dissemination of project results;
- Preparation of the final Project documents;
- Presentation of Project results;
- Proposal of the follow-up activities;
- Reporting on progress and preparing the Project Terminal Report.

### **Outputs:**

- General co-ordination, established Project structure and institutional arrangements;
- Report of the Inception Workshop;
- Progress reports;
- Final Integrated Project Report, follow-up proposals, and Investment Portfolio;
- Report of the Presentation Conference, Conference documents;
- Project Terminal Report.



## Activity 2 (component A) – Capacity building / Awareness raising

The main objective was to increase capacities of different institutions to understand, apply and use different ICZM instruments for sustainable development through transfer of knowledge and training, as well as increased awareness of the importance of SD of coastal areas through organisation of Coast Day events.

### Implemented actions:

- A set of two-day training courses were delivered (primarily for the public administration on national, sub-national and local level, expert institutions and other stakeholders) on the following topics:
  - ✓ Integrated Coastal Zone Management (principles, tools, ICZM Protocol, EU requirements, good international and regional practice, ICZM/MSP, LSI);
  - ✓ Information on coastal processes, monitoring system and indicators (MEDPOL methodology, ICZM Protocol and IMAF requirements on coastal zone indicators, biodiversity and pollution);
  - ✓ Management of pollution incidents;
  - ✓ Management of data flows;
- the CAMP B&H website were set up;
- Mediterranean Coast Day event and other awareness-raising campaigns were organised;
- Recommendations for further training / capacity development needs are prepared (including topics and forms of training).

### Outputs:

- Reports of the training courses and of the Mediterranean Coast Day event and other awareness raising campaigns;
- Training materials and recommendations on future individual capacity development needs.



### **Activity 3 (component A) – Spatial Data Infrastructure/Information system/Data management**

**The key objectives** of this activity were to:

- to design and plan an Information System (IS) supported by an adequate and interoperable SDI, including the IMAP indicators related to land-sea interactions, as well as other land related relevant information/indicators. The information system will be useful to support integrated coastal zone management in the wider context of Maritime Spatial Planning and monitoring of environmental conditions, improving NEUM Municipality communication with those institutions that are in charge for environmental monitoring and assessment;
- to design a coastal database, based on GIS and IMAP indicators, and implement a basic CAMP's information centre for collection, analysis, organisation, integration and dissemination of most relevant information for the project.

#### **Outputs:**

- Report on the state-of-the-art on current spatial data infrastructure (SDI), information system/data management and monitoring.
- Technical document with standards for data collection and their validation, and exchange in the framework of IS.
- A data server system and publicly accessible internet server – IS portal supported by SDI – will be set up as main access point for key stakeholders to the project. The IS platform will be a basis for further design and implementation of new databases on environmental monitoring and assessment.



## Component B – INDIVIDUAL ACTIVITIES integrated into a Coastal Plan

### Sub-activity 1. Institutional mechanism for ICZM

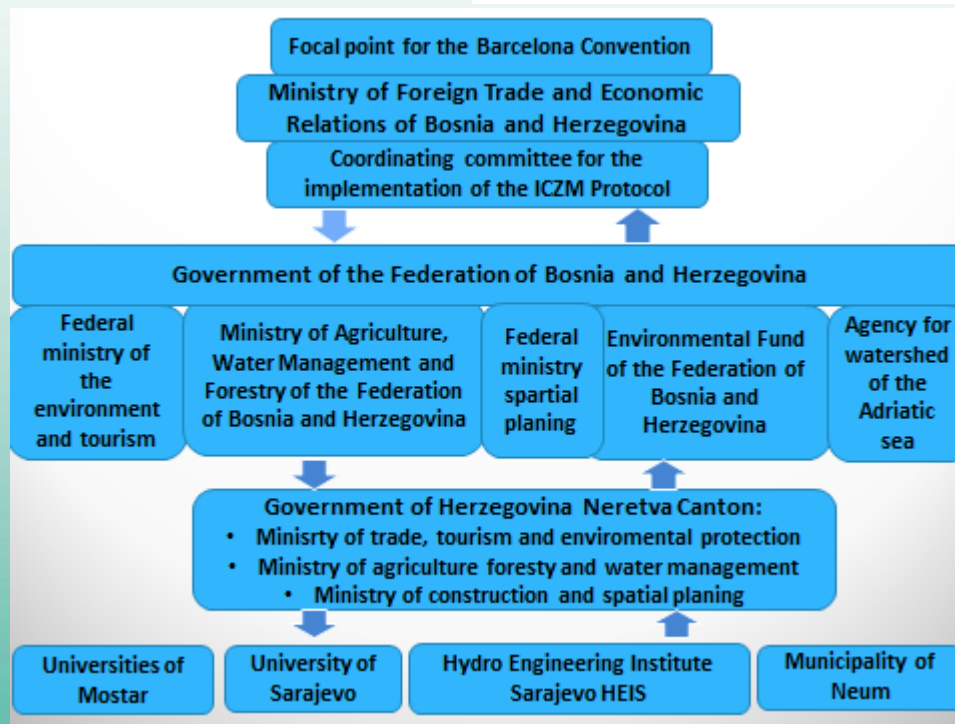
**The key objective** of this activity is to enable the environment for putting in place an institutional framework as a multi-sectoral yet cohesive and effective institutional structure/model for integrated coastal zone management.

#### Implemented actions:

- Analysis of the current legal framework as well as institutional roles and responsibilities and identification of obstacles to effective management of the coastal zone;
- Mapping of the relevant stakeholders and analysis of their role in coastal zone management;
- Preparation of a model for institutional structure for the coastal zone management (possibly through further elaboration and improvement of co-ordination mechanisms, possibly through establishment of new and/or restructuring of existing institutions) with a view to the ICZM Protocol requirements and based on examples of good practice in other countries;
- Support for making the proposed institutional structure operational, including identification of necessary changes in respective laws and regulations.

**Outputs:** The main output of this activity was a proposal of an agreed model of institutional structure for coastal zone management with defined responsibilities and resources.





Scheme for temporary Coordination model in B&H



## Sub-activity 2. Marine habitats and protected area

### Objectives

The main objectives of the activity were to undertake, together with the relevant stakeholders:

- i) a first gap analysis between the available information and information needed for the identification and characterization of marine key habitats and their conservation and management in B&H territorial waters;
- ii) an overview of the marine biological diversity along the B&H coast, through a rapid assessment survey following the IMAP ecological objectives related to biodiversity (EO1) and non-indigenous species (EO2);
- iii) a preliminary mapping of the marine key habitats and flagship species (marine mammals, sea turtles and seabirds) distributional range, that will be useful for the 2023 Mediterranean Quality Status Report (MED QSR 2023).

### Implemented actions:

The Activity was implemented following two steps:

- Step 1: Elaboration of the gap analysis to identify the main gaps in knowledge and potential areas of interest to be investigated in more detail during the field survey. During the gap analysis, the data available will be analyzed and assessed following the requirement of the IMAP ecological objectives related to biodiversity (EO1) and non-indigenous species (EO2).
- Step 2: Undertaking a rapid assessment survey for the identification of benthic habitats, fish assemblages, and flagship species populations, and of human activities along the B&H coast. The assessment is aimed at supporting the definition of specific protection/management measures.

### Outputs:

- Report on the available knowledge, Gap Analysis and detailed execution plan;
- Rapid assessment survey of marine habitats to help prioritize the suitable areas needing the application of protection/management measures and/or the establishment of a marine protected area;
- Preliminary maps of the marine habitats and flagship species distributional range.



## **MEDITERANETUM - MPA**

- UNEP / GEF started the Project "Achieving Biodiversity Conservation through the Establishment and Effective Management of Protected Areas and Capacity Building for Nature Protection in Bosnia and Herzegovina (BiH)" with the main goal of increasing the number of protected areas in Bosnia and Herzegovina (BiH).
- Botanical-floristic reservation Mediteranetum in the framework of this project is in the process of revision in accordance with the Nature Protection Act of 2013.
- The adoption of new Nature Protection Act is ongoing and its not yet finalized.
- Consultations between Local and Cantonal authority
- The Neum-Klek bay is a part of Mali Ston bay and all activities related to Mediteranetum will have to be communicated with Croatian authorities.
- We are at the beginning phase of designation of MPA in Neum bay, so we will use support of EU, SPA/RAC and other institutions to establish proper and „functional” MPA in Bosnia and Herzegovina.



## MEDITERANETUM - MPA



Suggested protection area; Neum-Klek peninsula and surrounding sea



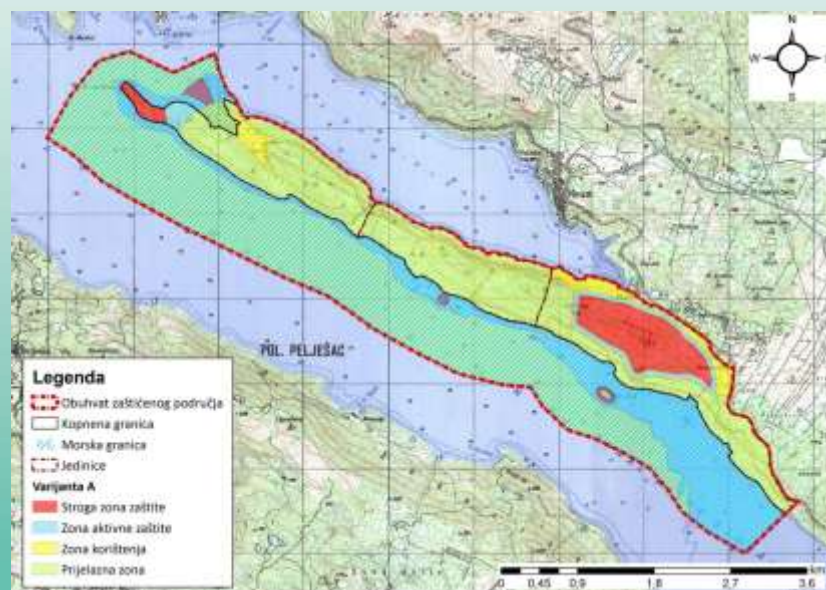
## MEDITERANETUM - MPA



NATURA 2000 list of the Federation of Bosnia and Herzegovina  
 „Klek peninsula“ (BA8200061)  
 scope



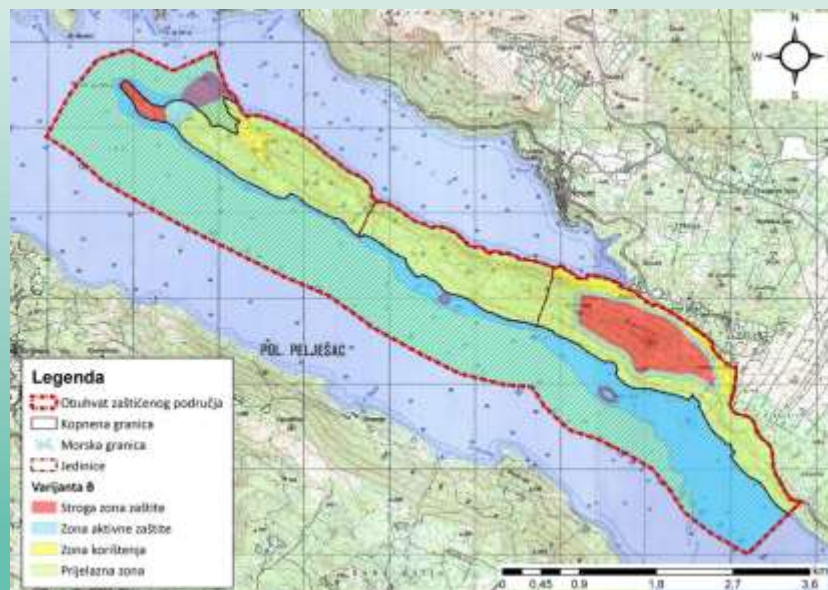
## MEDITERANETUM - MPA



Option A



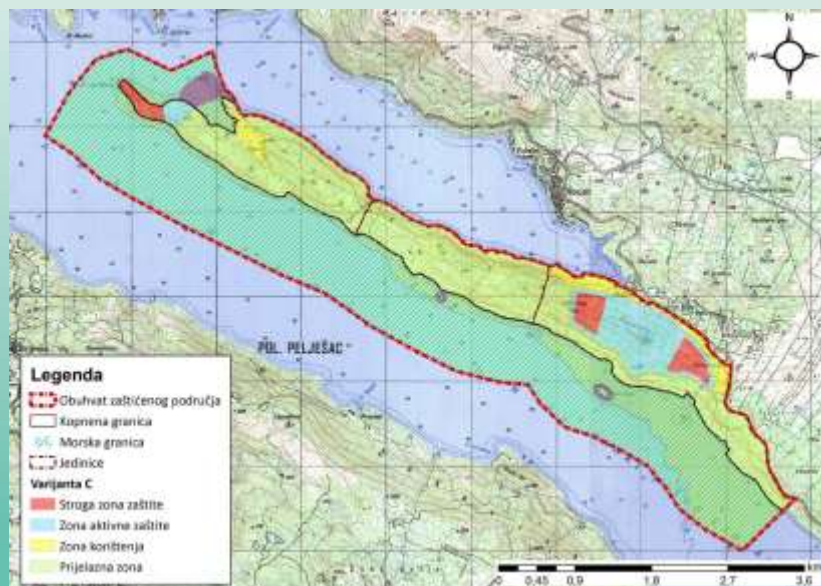
## MEDITERANETUM - MPA



Option B



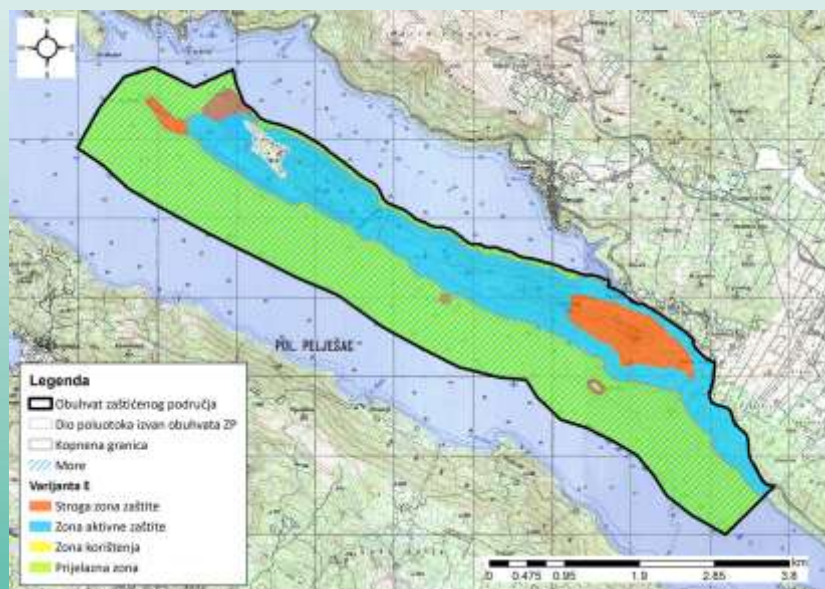
## MEDITERANETUM - MPA



Option C



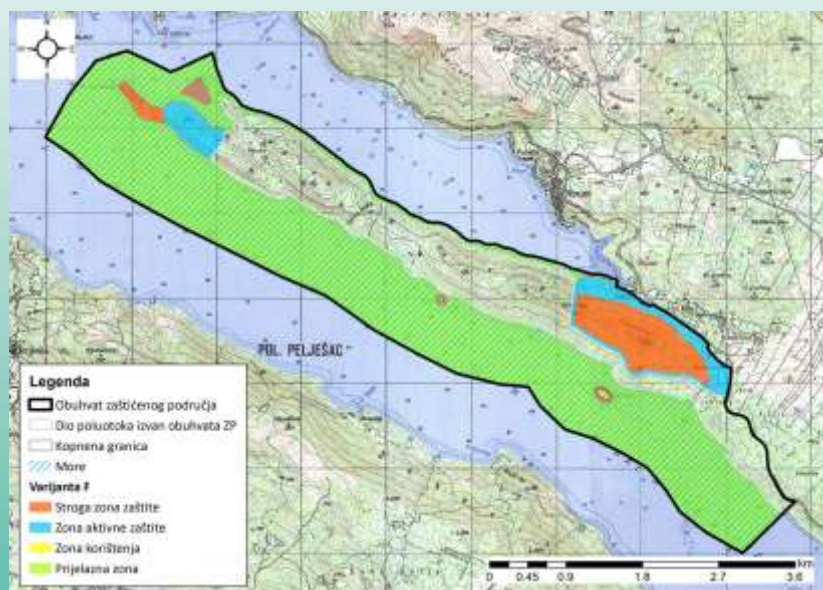
## MEDITERANETUM - MPA



Option D



## MEDITERANETUM - MPA



Opcija E



### Sub-activity 3. Monitoring marine and coastal environment

#### Objectives were:

- Support implementation of the national IMAP-based monitoring programme for Pollution and Marine Litter Cluster;
- Conduct implementation of IMAP CI 16 on Length of coastline subject to physical disturbance due to the influence of man-made structures.

#### Implemented actions:

1. Support implementation of the national IMAP-based monitoring programme related to Pollution and Marine Litter Cluster
  - Define the field survey programme for 2021 in line with the national IMAP-based monitoring programme for Pollution Cluster to support collection of monitoring data for IMAP Ecological Objectives 5, 9 and 10;
  - Organize field survey programme in 2021;
  - Report monitoring data obtained in field and report data into IMAP Pilot Info System;
2. Implement indicator on coastal ecosystems and landscapes Common indicator 16: Length of coastline subject to physical disturbance due to the influence of man-made structures (EO8).

#### Outputs

- Transmission of the report on the activities undertaken with regards to implementation of the national IMAP-based monitoring programme related to Pollution in 2021;
- Reported monitoring data obtained in 2021 in the framework of implementation of the national IMAP-based monitoring programme related to Pollution in 2021;
- Map (shape file) presenting natural and artificial segments of the coastline related to CI 16.



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## ADRION

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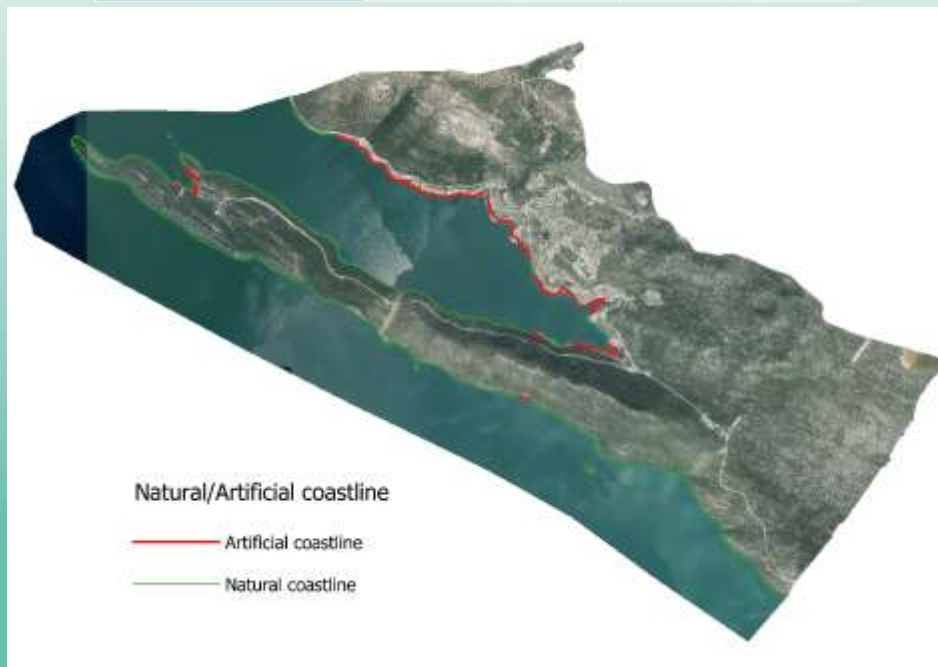
European Regional Development Fund - Instrument for Pre-Accession II Fund

EUSAIR FACILITY POINT



EU Strategy for the  
Adriatic and Ionian Region  
**EUSAIR**

ART_NAT	Length [km]	Percentage [%]
Natural coastline	21.2	81.1
Artificial coastline	4.9	18.9
TOTAL	26.1	100



## Sub-activity 4. National Contingency Plan

In the framework of the European Union Strategy for the Adriatic-Ionian Region (EUSAIR), the Government of B&H is co-chairing the Environmental pillar, which include a priority for the development of a Large-scale pollution contingency plan for the Adriatic. The proposed activity will assist the Government of B&H to progress toward this objective, as the adoption of an NCP is a prerequisite to join multilateral agreements in the field.

### Implemented actions:

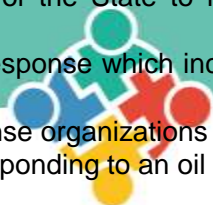
The activity was consist in the development of the draft NCP by REMPEC, with the support of a Consultant, in co-ordination with the national competent and local authorities. The activity included the organisation, in B&H, of:

- Two (2) meetings with the national competent and local authorities and the consultant to ensure continuous follow-up of the process of the development of the NCP, in concertation with the relevant authorities.
- Two (2) national workshops to be organised back-to-back to the above meetings targeting Senior management personnel and other stakeholders to provide the knowledge required to manage a pollution incident and to test the procedures defined in the draft NCP before its finalisation.

### Outputs

The existence of reliable national systems for preparedness and response, including administrative organisation, trained personnel, basic equipment and in particular contingency plans for combating marine pollution incidents, was considered to be the single most important factor which determines the effectiveness and the success of response to marine pollution incidents. Hence, the expected outputs of this activity were:

- a) the designation of:
  - the competent national authority or authorities with responsibility for oil pollution preparedness and response;
  - the national operational contact point or points, which shall be responsible for the receipt and transmission of pollution reports; and
  - an authority which is entitled to act on behalf of the State to request assistance or to decide to render the assistance requested;
- b) a national contingency plan for preparedness and response which includes the organizational relationship of the various bodies involved, whether public or private;
- c) a programme of exercises for marine pollution response organizations and training of relevant personnel; and
- d) detailed plans and communication capabilities for responding to an oil pollution incident.



### ***Sub-activity 5. Sustainable tourism: coastal – hinterland***

#### **Objectives**

The main objective of the activity will be to produce, together with the relevant stakeholders, a document entitled “Strategic orientations for sustainable tourism development of the Municipality of Neum” in order to improve tourism development on the coastal zone while developing a proper tourism offer in the hinterland, i.e. diversify the tourism offer.

#### **Implemented actions:**

The document entitled “Strategic orientations for sustainable tourism development of the Municipality of Neum” was prepared, based on a participatory process involving all relevant stakeholders. The document includes a proposition for setting up a Destination Management Organization, as well as its missions. Also, some concrete proposals on how to implement the strategy are proposed in a form of project proposals to be submitted to applications for funding.

The activity included:

- an analysis of current state of tourism in the Municipality, on the coast as well in the hinterland, the main problems and potentials;
- defining feasible types of tourism offer that can be developed in the hinterland as connecting points with coastal tourism;
- linkages with other economic activities (such as agriculture), cultural heritage, natural values, etc. that can diversify the offer and create additional economic values including jobs;
- proposal of the strategic orientations including concrete project proposals for its implementation.

#### **Outputs**

- The report entitled “Strategic orientations for sustainable tourism development of the Municipality of Neum”;
- Reports of the consultation meetings with the stakeholders and training material.



## Sub-activity 6. Climate change adaptation

### The objectives were twofold:

- The first was to raise awareness of the issue of climate variability and change by clearly identifying time scale and cumulative impacts of threats coming from the climate variability, as well as by identifying the vulnerable areas.
- The second was to promote the use of ICZM as an effective tool to deal with the impacts of climate variability and change in coastal zone by mainstreaming them into sectoral programmes/plans.

### Implemented actions:

Presentation of climate change threats and various options of risks that will affect the coastal area and its hinterland in particular for the following sectors: tourism, urban planning, water management, agriculture, biodiversity protection;

- Analysis of the most important sectors to be affected and analysing their vulnerability to climate change;
- Proposals of adaptation measures to be included in the formulation of sectoral development plans/programmes.

### Outputs:

- Report of the future risks and vulnerability of the priority sectors to climate change;
- Recommendations for adaptation measures for the coastal area in general and more specific for the most relevant sectors (such as tourism, urban planning, water management, agriculture, biodiversity protection).



## THE FINAL CONFERENCE OF THE CAMP PROJECT FOR BIH

The final conference of the “BiH Coastal Area Management Program” project and the celebration of the “Mediterranean Coast Day 2022” were held on September 13, 2022. (Tuesday) in the Grand Hotel “Neum” in Neum in the presence of project participants and numerous guests.

After the opening greetings, the national coordinator presented the **Final report for the “BiH Coastal Area Management Program”** project to those present, after which the distinguished guests: Tatjana Hema (UNEP/MAP), Marko Prem (PAP/RAC), Arthur Pasquale (INFO/ RAC), Darko Domović (REMPEC), Sabina Salihbegović (FMOIT) and Andrej A Gajić (SPA/RAC) shared their thoughts and experiences with the attendees through a panel discussion when it comes to coastal area management programs in the Mediterranean, including in relation to the Program which refers to Bosnia and Herzegovina, i.e. the municipality of Neum. As a part of the program, Mr. Andrej A. Gajić, famous ichthyologist researcher, was proclaimed as “honorary ambassador” and children from Neum Kindergarten, Cardinal Stepinac Neum Elementary School, Neum High School, and members of the dance group Paganini – Neum majorettes and members of HKUD “LINDŽO” Neum performed an entertaining – educational – cultural program to the delight of all guests, as well as parents that were present.



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## ADRI

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### EUSAIR F



EUROPEAN UNION



# Thank you for your attention!

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