

## GRANT APPLICATION FORM Call for Small Projects for the Mediterranean MPAs (CSPMPA)

Call for projects closed on 12 May 2012 at 6:00pm (Paris time, GMT+1)<sup>1</sup>

### SUMMARY

**1. COUNTRY:**

Croatia

**2. NAME OF THE MPA:**

Northwestern Part of Dugi otok Island (Significant Landscape and Natura 2000 site)

**3. PROJECT TITLE:**

Adaptive Management of Marine Area on Dugi Otok Island.

**4. NAME OF THE ORGANIZATION:**

Public Institution for Managing Protected Nature Areas in Zadar County

*Name of the project manager:* mr.sc. Morana Bacic

*Address:* B. Vranjana 11; HR - 23000 Zadar; Croatia

*E-mail address:* zadar.nature.voditelj@email.t-com.hr

*Phone:* + 385 23 254 322

*Web site:* www.zasticenapodrucja.com

Public Institution for Managing Protected Nature Areas in Zadar County is registered partner of MedPAN, and wish to become a MedPAN member.

**5. SUMMARY OF THE PROJECT:**

Project topics are connected to "Implementing phases of management planning" and "Implementing technical tools to facilitate MPA management and monitoring" (in the Rules). Global objective of the project is to efficiently protect the nature of marine area of Northwestern part of Dugi otok Island (particularly posidonia meadows and coralligenous species) and to improve tourism in sustainable way. After the project will be accomplished, Public Institution that manage the area will have efficient Management Plan and will have useful GIS database to analyze and monitor marine natural processes and to make meaningful decisions in protecting marine area (adaptive management).

**6. TOTAL AMOUNT OF THE PROJECT:**

32.490,00 €

**7. AMOUNT REQUESTED FROM MEDPAN:**

18.000,00 €

**8. AMOUNT, SOURCE and PERCENTAGE OF CO-FINANCE:**

14.490,00 € (44,60 %)

Co-financing will come from regular annual budget of Public Institution for Managing Protected Nature Areas in Zadar County (as a part of Zadar County's budget).

**9. PROJECT LAUNCH DATE:**

July 2012

**10. DURATION:**

12 months

## **I. PRESENTATION OF THE ORGANIZATION**

### **1. Name of the organization**

Public Institution for Managing Protected Nature Areas in Zadar County

### **2. Legal status and creation date of the applying organization**

Public Institution founded by Zadar County, 2004

### **3. Mission and objectives of the organization**

Primary mission of Public Institution is to protect, manage and promote protected natural areas (and potential Natura 2000 sites) in Zadar County. Objectives are to maintain or improve the favorable state of conservation of target species and habitats.

### **4. Name of the project manager**

Morana Bacic, Conservation Manager

## **II. PROJECT PRESENTATION**

### **5. Name and status of the Marine Protected Area (MPA) covered by the project**

- Name of MPA: Northwestern Part of Dugi otok Island
- Status of MPA: Significant Landscape since 1967 and Natura 2000 site in 2013
- Legal document relevant to its creation: Statute (in attachment)
- Surface area (land & sea): Significant Landscape – 6,60 km<sup>2</sup>, Natura 2000 – 14,86 km<sup>2</sup> (21,46 km<sup>2</sup> in total)
- Map of the MPA: in attachment.
- Management plan for this protected area doesn't exist.

### **6. Project background**

Northwestern Part of Dugi otok Island was proclaimed Significant Landscape in 1967 (IUCN V category). Related to Croatian approach to European Union (Croatia should be a member of EU in July 2013), the area will also be proclaimed as Natura 2000 site (now it is a part of National Ecological Network).

In 2010 and 2011 a part of that Significant Landscape - Saharun Beach was officially awarded as the most beautiful natural beach in Croatia.

In last 4-5 years the number of visitors in Northwestern Part of Dugi otok Island is seriously increasing. For example, during the summer there are over 500 visitors per day on 300 m long Saharun Beach, and more than 50 boats per day are anchoring on posidonia meadows in the cove of only 0,25 km<sup>2</sup>.

Uncontrolled and unsustainable tourism is increasing in the area. Posidonia dead leaves accumulated on the beach (and protecting the beach from erosion) are being periodically removed by local community; deck-chairs, sunshades, ice-cream sales etc. appears; hotel in Bozava village (in the vicinity of protected area) engage a road-train to bring more and more visitors into the area; new camp site is planned; no educational or any other appropriate activities are organized etc.

Legal framework for protecting the area is insufficient (no specific rules and regulations, no management plan, no physical plan), so that Public Institution and stakeholders have to develop efficient management plan to protect marine ecosystem of the area. In addition marine wildlife GIS data base of the area will be developed and implemented for monitoring and decision making processes (particularly related to posidonia meadows and coralligenous).

Public Institution Conservation Manager (project manager in this project proposal) attended numerous workshops about marine protected areas management planning (most of them within a framework of MedPAN South project). So she decided to apply for MedPAN Small Project Call for co-financing the

development of management plan and GIS implementing for Northwestern Part of Dugi otok Island Significant Landscape and Natura 2000 site.

This MPA is not receiving any external funding for activities related to the project. It will be completely financed by MedPAN (18.000,00 €) and by Public Institution for Managing Protected Nature Areas in Zadar County (14.490,00 €).

## **7. General purpose and specific objectives of the project**

General purpose of the project is to protect and conserve the marine ecosystem of Northwestern Part of Dugi otok Island in sustainable and efficient way (adaptive management), in cooperation with local community with benefit for natural values and sustainable tourism.

Specific objectives of the project are:

1. Developed Management Plan for Northwestern Part of Dugi otok Island.
2. Designed, structured and used GIS database for marine ecosystem of Northwestern Part of Dugi otok Island to monitor the marine area and to make a meaningful management decisions.

GIS database will be a tool for implementing adaptive management.

## **8. Description of the activities**

Developing Management Plan process will follow up all the steps and rules defined in recent MedPAN South project in Croatia (Management plans for Croatian MPAs).

Developed and implemented Management Plan for Northwestern Part of Dugi otok Island will be achieved through several steps:

1. Engaging an external consultant to assure impartiality and quality of developing Management Plan.
2. Organizing workshops with stakeholders to define objectives and activities for meaningful and sustainable management of the area.
3. Preparing and publishing Management Plan for Northwestern Part of Dugi otok Island and distributing it to all stakeholders. Management Plan should also be translated into the English language because of numerous foreign visitors.

GIS will be structured, designed and used with ArcGIS software – very powerful tool in data base using field.

GIS database for the Northwestern Part of Dugi otok Island will be achieved through:

1. Engaging an external consultant to assure the quality of developing and using GIS data base.
2. Purchasing one laptop with ArcGIS software.
3. Completing the GIS-education for Public Institution employees and than continual fulfilling the database of the area of Northwestern Part of Dugi otok Island (spatial and temporal data) by the employees.
4. Monitoring and analysing marine ecosystem data (particularly posidonia meadows and coralligenous) to make a meaningful management decisions by Public Institution employees and interested stakeholders.

## **9. Expected results**

Results of the activities that will be carried out to reach specific objectives of the project are clearly indicated in previous chapter as well as in the next chapter ("10. Project logical framework").

## 10. Project logical framework

Specific objectives	Activities to be carried out	Expected results
<p>Objective 1: <b><i>Developed Management Plan for NW part of Dugi otok Island</i></b></p>	<p>Activity 1.1: <b><i>Preparation and publishing the tender for External consultant for Development of Management Plan for NW part of Dugi otok Island</i></b></p> <p>Activity 1.2: <b><i>Organizing 3 workshops with stakeholders</i></b></p> <p>Activity 1.3: <b><i>Writing the Management Plan for NW part of Dugi otok Island</i></b></p> <p>Activity 1.4: <b><i>Translation, printing and distribution of the Management Plan for NW part of Dugi otok Island</i></b></p>	<p>Result 1.1: <b><i>Engaged an external consultant who is familiar with the legislation, the value of the natural area and the mentality of the local population</i></b></p> <p>Result 1.2: <b><i>Strategic objectives and actions for Management Plan for NW part of Dugi otok Island</i></b></p> <p>Result 1.3: <b><i>Adopted Management Plan for NW part of Dugi otok Island</i></b></p> <p>Result 1.4: <b><i>Stakeholders involved in the implementation of the Management Plan for NW part of Dugi otok Island</i></b></p>
<p>Objective 2: <b><i>Designed, structured and used GIS database for marine ecosystem of NW part of Dugi otok Island</i></b></p>	<p>Activity 2.1: <b><i>Preparation and publishing the tender for External consultant for designing, structuring and working with the database (GIS)</i></b></p> <p>Activity 2.2: <b><i>Procurement of hardware and software to work with the GIS database (laptop, ArcGIS)</i></b></p> <p>Activity 2.3: <b><i>Designing and structuring the GIS database for the NW part of Dugi otok Island with emphasise on marine ecosystem</i></b></p> <p>Activity 2.4: <b><i>Training for employees to work with the GIS database</i></b></p> <p>Activity 2.5: <b><i>Periodic filling database with the relevant information of marine ecosystem and working in GIS</i></b></p>	<p>Result 2.1: <b><i>Engaged an external consultant with experience in working with the GIS database of protected natural values in Croatia</i></b></p> <p>Result 2.2: <b><i>Laptop with ArcGIS application</i></b></p> <p>Result 2.3: <b><i>Formed GIS database for the NW part of Dugi otok Island</i></b></p> <p>Result 2.4: <b><i>Capacity building improved</i></b></p> <p>Result 2.5: <b><i>Functional GIS database for the NW part of Dugi otok Island with spatial and temporal data of natural values of marine area as a tool for making meaningful decisions in sustainable management of the area</i></b></p>

## 11. Project Implementation Schedule

Actions	2012						2013					
	J	A	S	O	N	D	J	F	M	A	M	J
Activity 1.1 <i>Preparation and publishing the tender for External consultant for Development of Management Plan for NW part of Dugi otok Island</i>	■											
Activity 1.2 <i>Organizing 3 workshops with stakeholders</i>		■	■	■								
Activity 1.3 <i>Writing the Management Plan for NW part of Dugi otok Island</i>						■	■	■				
Activity 1.4 <i>Translation, printing and distribution of the Management Plan for NW part of Dugi otok Island</i>									■	■	■	■
Activity 2.1 <i>Preparation and publishing the tender for External consultant for designing, structuring and working with the database (GIS)</i>		■										
Activity 2.2 <i>Procurement of hardware and software to work with the GIS database (laptop, ArcGIS)</i>			■									
Activity 2.3 <i>Designing and structuring the GIS database for the NW part of Dugi otok Island with emphasise on marine ecosystem</i>				■	■	■						
Activity 2.4 <i>Training for employees to work with the GIS database</i>						■	■	■				
Activity 2.5 <i>Periodic filling database with the relevant information of mariine ecosystem and working in GIS</i>								■	■	■	■	■

## 12. Limitations

We do not expect any serious problem.

### 13. Cost of the project and provisional budget

Type of expenses per activity	Expense items	Total cost (in Euros)
<b>Activity 1.1</b> <i>Preparation and publishing the tender for External consultant for Development of Management Plan for NW part of Dugi otok Island</i>	Personnel (1person, 3 days)	210,00
	Travels	0,00
	Consultants	0,00
	Purchase of materials	0,00
	Communication costs (invitation to tender)	100,00
	Other costs	0,00
<b>Sub-total activity 1.1</b>		<b>310,00</b>
<b>Activity 1.2</b> <i>Organizing 3 workshops with stakeholders</i>	Personnel (1 person, 15 days)	1.050,00
	Travels	150,00
	Consultants	2.000,00
	Purchase of materials (papers, pencils, ...)	300,00
	Communication costs (public notice in newspapers and local radio - stations)	1.000,00
	Other costs (workshop room renting, catering)	2.000,00
<b>Sub-total activity 1.2</b>		<b>6.500,00</b>
<b>Activity 1.3</b> <i>Writing the Management Plan for NW part of Dugi otok Island</i>	Personnel (1 person, 30 days)	2.100,00
	Travels	0,00
	Consultants	3.000,00
	Purchase of materials (paper, printing cartriges ...)	100,00
	Communication costs (stakeholder informing)	100,00
	Other costs (to be specified)	0,00
<b>Sub-total activity 1.3</b>		<b>5.300,00</b>
<b>Activity 1.4</b> <i>Translation, printing and distribution of the Management Plan for NW part of Dugi otok Island</i>	Personnel (1 person, 3 days)	210,00
	Travels	0,00
	Consultants	0,00
	Purchase of materials	0,00
	Communication costs (invitation to tender)	100,00
	Other costs (translation, printing)	1.300,00
<b>Sub-total activity 1.4</b>		<b>1.610,00</b>
<b>Activity 2.1</b> <i>Preparation and publishing the tender for External consultant for designing, structuring and working with the database (GIS)</i>	Personnel (1 person, 3 days)	210,00
	Travels	0,00
	Consultants	0,00
	Purchase of materials	0,00
	Communication costs (invitation to tender)	100,00
	Other costs (to be specified)	0,00
<b>Sub-total activity 2.1</b>		<b>310,00</b>
<b>Activity 2.2</b> <i>Procurement of hardware and software to work with the GIS database (laptop, ArcGIS)</i>	Personnel (1 person, 3 days)	210,00
	Travels	0,00
	Consultants	0,00
	Purchase of materials (laptop, ArcGIS)	6.500,00
	Communication costs (public procurement procedures)	100,00
	Other costs	0,00
<b>Sub-total activity 2.2</b>		<b>6.810,00</b>
<b>Activity 2.3</b> <i>Designing and structuring the GIS database for the NW part of Dugi</i>	Personnel (1 person, 5 days)	350,00
	Travels	0,00
	Consultants	3.000,00

<i>otok Island with emphasise on marine ecosystem</i>	Purchase of materials	0,00
	Communication costs, if any	0,00
	Other costs (to be specified)	0,00
<b>Sub-total activity 2.3</b>		<b>3.350,00</b>
<b>Activity 2.4</b> <i>Training for employees to work with the GIS database</i>	Personnel (2 persons, 15 days)	2.100,00
	Travels	0,00
	Consultants	2.000,00
	Purchase of materials	0,00
	Communication costs, if any	0,00
	Other costs (to be specified)	0,00
<b>Sub-total activity 2.4</b>		<b>4.100,00</b>
<b>Activity 2.5</b> <i>Periodic filling database with the relevant information of marine ecosystem and working in GIS</i>	Personnel (2 persons, 30 days)	4.200,00
	Travels	0,00
	Consultants	0,00
	Purchase of materials	0,00
	Communication costs, if any	0,00
	Other costs (to be specified)	0,00
<b>Sub-total activity 2.5</b>		<b>4.200,00</b>
<b>General expenses not allocated to a particular activity</b>	Operating costs (to be specified)	0,00
	Equipment (to be specified)	0,00
	Other costs (to be specified)	0,00
<b>Sub-total of general exp.</b>		<b>0,00</b>
<b>TOTAL</b>		<b>32.490,00</b>

- the amount requested from MedPAN: **18.000,00 €**
- the amount of self-funding: **14.490,00 €**

County public institutions for management of marine protected areas in Croatia are indirect beneficiaries of MedPAN South project. They participated in thematic workshops, but the costs were covered through different project (UNDP – Coast).

Public Institution has not been or is a beneficiary of Mava Foundation, Prince Albert II of Monaco or French GEF.

### **III. PROJECT MANAGER STATEMENT**

I, the undersigned, as the person responsible for this action in the applying organization, hereby certify that the information given in this file is true and correct.

*Morana Bacic*

Morana Bacic  
Conservation Manager



*Mirko Djindjic*

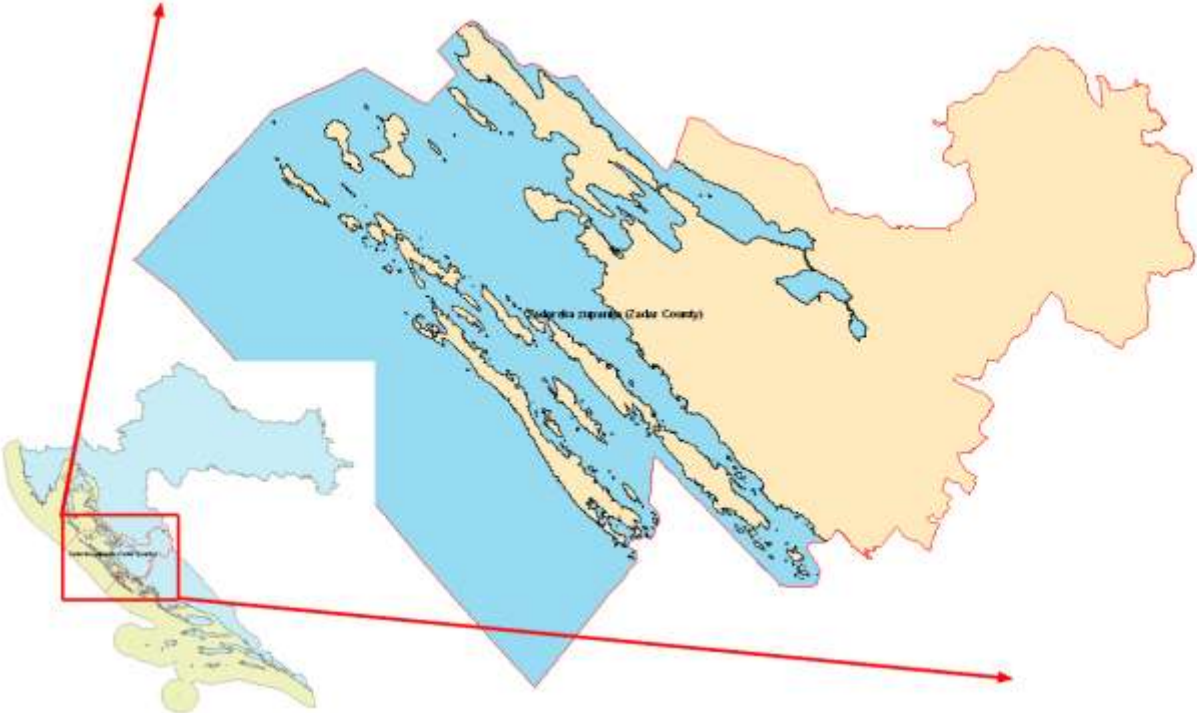
Mirko Djindjic  
Director

May 8<sup>th</sup>, 2012  
Zadar, Croatia

# **Annexes**



Zadar County in Croatia:



NW part of Dugi otok Island in Zadar County:



Northwestern Part of Dugi otok Island (Significant Landscape and Natura 2000 site):













**THREATS on the Saharun Beach:**

- Deck-chairs, cafe bars ...:



- Road train from hotel:



- Illegal parking:





- Increasing number of boats:



- Trash:



- Removing posidonia dead leaves:

