



**United Nations  
Environment  
Programme**



**MEDITERRANEAN ACTION PLAN**

**MEMORANDUM OF UNDERSTANDING AMONG THE MINISTRY OF  
ENVIRONMENT OF SPAIN, THE REGIONAL MINISTRY OF  
ENVIRONMENT OF ANDALUCIA, AND THE UNITED NATIONS  
ENVIRONMENT PROGRAMME RELATIVE TO THE COASTAL AREA  
MANAGEMENT PROGRAMME (CAMP) LEVANTE DE ALMERIA,  
SPAIN**

June 2007

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Co-ordinating Unit for the Mediterranean Action Plan

## **MEMORANDUM OF UNDERSTANDING AMONG THE MINISTRY OF ENVIRONMENT OF SPAIN, THE REGIONAL MINISTRY OF ENVIRONMENT OF ANDALUCIA, AND THE UNITED NATIONS ENVIRONMENT PROGRAMME RELATIVE TO THE COASTAL AREA MANAGEMENT PROGRAMME (CAMP) LEVANTE DE ALMERIA, SPAIN**

The Ministry of Environment of Spain, the Regional Ministry of Environment of Andalucía, and the United Nations Environment Programme, henceforth referred to as the Parties,

Following the decision approved at the XIII Conference of the Parties of the Barcelona Convention (Catania, 11-14 November 2003) to carry out a Coastal Area Management Programme (CAMP) Project in Spain based on the Feasibility Study prepared for MAP PAP/RAC by an independent consultant in cooperation with the Spanish authorities, propose the following:

- a) The Parties undertake to develop and implement the CAMP Project for Levante de Almería (Andalucía), set forth in the relevant Terms of Reference enclosed in the Annex to this Memorandum of Understanding and making an integral part of it.
- b) The description of the CAMP Project for Levante de Almería is set forth in the Annex to this Memorandum of Understanding.
- c) The development, implementation and the post Project activities will be implemented within the following basic institutional arrangement:
  - Spain will be represented by the Ministry of the Environment, which will be responsible for the establishment of the national part of the Project institutional arrangements as defined in the Annex to this Memorandum;
  - The Government of Andalucía region will be represented by the Regional Ministry of Environment, which will be responsible for the establishment of the regional part of the Project institutional arrangements as defined in the Annex to this Memorandum; and
  - The United Nations Environment Programme (UNEP) will be represented by the Co-ordinating Unit of the Mediterranean Action Plan (MED Unit) in the role of official responsible entity for the Project, and the Priority Actions Programme Regional Activity Centre (PAP/RAC) as the MAP Project implementing Centre, to be responsible for the establishment of the MAP components of the Project institutional arrangements.
  - MAP-PAP/RAC will nominate an independent General Coordinator of the CAMP in accordance with the Spanish authorities.
- d) The role of the Parties and the obligations during the a) preparatory stage of the Project, b) its implementation stage, c) the activities to be undertaken after the completion of the Project (post Project activities), and d) budget and cost sharing, will be fulfilled and implemented as defined in the Annex to this Memorandum. The parties will implement this Memorandum within their budgetary possibilities and according to national legislation.
- e) The Memorandum of Understanding covers a period from the date of signature until the end of **December 2008**, unless one of the Parties notifies the others in writing and six months in advance its decision to cease to implement it.
- f) Unless specified otherwise by the Parties, the cessation of this Memorandum will not affect the on-going projects in the framework of this Memorandum.
- g) This Memorandum can be modified or renovated by common agreement of the Parties, communicated in writing.

h) This Memorandum does not entail international legal obligations and is not ruled by international law

Signed, in .....

**Minister of Environment of Spain**

**Coordinator of the Mediterranean Action  
Plan of the United Nations Environment  
Programme**

Cristina Narbona Ruiz

Paul Mifsud

**Regional Minister of Environment of Andalucía**

Fuensanta Coves Botella

**ANNEX TO THE MEMORANDUM OF UNDERSTANDING AMONG THE  
MINISTRY OF ENVIRONMENT OF SPAIN, THE REGIONAL MINISTRY  
OF ENVIRONMENT OF ANDALUCIA, AND THE UNITED NATIONS  
ENVIRONMENT PROGRAMME RELATIVE TO THE COASTAL AREA  
MANAGEMENT PROGRAMME (CAMP) LEVANTE DE ALMERIA,  
SPAIN**

**PROJECT TERMS OF REFERENCE**

# TABLE OF CONTENTS

<b>LIST OF ACRONYMS.....</b>	<b>6</b>
<b>LIST OF FIGURES.....</b>	<b>6</b>
<b>EXECUTIVE SUMMARY .....</b>	<b>7</b>
<b>1. INTRODUCTION .....</b>	<b>10</b>
1.1. PREPARATORY ACTIVITIES .....	10
1.2. JUSTIFICATION OF THE CAMP LEVANTE DE ALMERIA .....	10
<b>2. CAMP LEVANTE DE ALMERIA BASIC ELEMENTS.....</b>	<b>12</b>
2.1. PROJECT AREA.....	12
2.2. PROJECT OBJECTIVES AND STRATEGY .....	15
2.3. PROJECT STRUCTURE .....	16
2.4. PHASING OF THE PROJECT .....	16
2.5. PROJECT OUTPUTS .....	18
2.6. PROJECT FRAMEWORK.....	18
<b>3. PROJECT ACTIVITIES .....</b>	<b>19</b>
3.1. A) HORIZONTAL ACTIVITIES .....	20
3.2. B) SINGULAR PROJECTS .....	24
3.3. C) PROJECT COORDINATION, INTEGRATION & DISSEMINATION	31
<b>4. WORKPLAN AND BUDGET.....</b>	<b>33</b>
4.1. WORKPLAN AND TIMETABLE .....	33
4.2. BUDGET AND COST-SHARING .....	34
<b>5. ACHIEVEMENT INDICATORS .....</b>	<b>35</b>
5.1. PROGRESS ACHIEVEMENT INDICATORS .....	35
5.2. PROJECT ACHIEVEMENT INDICATORS .....	35
<b>6. PROGRESS REPORTING .....</b>	<b>37</b>
<b>7. POST PROJECT ACTIVITIES .....</b>	<b>37</b>
7.1. FOLLOW-UP ACTIVITIES .....	37
7.2. MONITORING, EVALUATION AND REPORTING .....	37
7.3. USE OF RESULTS AT MAP LEVEL .....	38

## LIST OF ACRONYMS

BP/RAC	Blue Plan Regional Activity Centre
CAMP	Coastal Area Management Programme
CP/RAC	Cleaner Production Regional Activity Centre
CZ	Coastal Zone
DfC	Directorate for Coasts of the Spanish MoE
EU	European Union
FS	Feasibility Study
GDP	Gross Domestic Product
GEF	Global Environment Facility
GIS	Geographic Information System
ICAM	Integrated Coastal Area Management
ICARM	Integrated Coastal Area and River Basin Management
INFO/RAC	Information and Communication Regional Activity Centre
MAP	Mediterranean Action Plan
MCSO	Mediterranean Commission on Sustainable Development
MED Agenda 21	Agenda 21 for the Mediterranean Region
MEDU	MAP Co-ordinating Unit
MoE	Ministry of Environment
METAP	Mediterranean Environmental Technical Assistance Programme
NGO	Non-Governmental Organisation
PAP/RAC	Priority Actions Programme Regional Activity Centre
RAC	Regional Activity Centre
RMoE	Regional Ministry of Environment
SC	Steering Committee
SD	Sustainable Development
SEIA	Strategic Environmental Impact Assessment
SPA/RAC	Regional Activity Centre for Specially Protected Areas
SPA	Specially Protected Areas
SPSA	Systemic and Prospective Sustainability Analysis
TOR	Terms of Reference
UNEP	United Nations Environment Programme

## LIST OF FIGURES

Figure 1: "CAMP Levante de Almeria Project Area"

Figure 2: "Project Structure"

Figure 3: "Phasing of the Project"

Figure 4: "Organisation Structure of the Project"

Figure 5: "CAMP Levante de Almeria Institutional Coordination and Social Participation framework"

## EXECUTIVE SUMMARY

Spain proposed to the UNEP-MAP the initiation of a CAMP project in the Spanish Mediterranean coast in July 2002. This proposal was approved in the Meeting of the Contracting Parties of the Barcelona Convention (Monaco, October 2002).

The Contracting Parties to the Barcelona Convention, and the Spanish authorities agreed at their Ordinary Meeting (Catania, November 2003) to initiate the Feasibility Study (FS) for a CAMP project in the South East coast of Spain. The Spanish Ministry of Environment (MoE), the Regional Ministry of Environment (RMoE) of Andalusia and the MAP-PAP/RAC started the FS of the CAMP Levante de Almeria in March 2005 and presented its results at the 14<sup>th</sup> Ordinary Meeting of the Contracting Parties in November 2005.

The FS revealed the weakness of the coordination mechanisms between the different policies affecting the coastal resources, the lack of effective social participation in the coastal-related decision-making processes, and the difficulty of implementing a sustainable management of the coastal areas due to the spreading of the administrative responsibilities.

Through the participatory workshops carried out during the FS, the CAMP Levante de Almeria has been conceived as a demonstrative experience to create and put in practice an organisational structural and procedures to articulate coordination mechanisms between the different administrations as well as to promote the social participation in coastal area related decision making. All this to the end of achieving a true integration of the sustainability principles in the set of sectorial actions.

The results expected from the CAMP Levante de Almeria will be a valuable experience for the creation of similar organisational structures nationwide, promoting this way a true implementation of the ICAM. To achieve these objectives the CAMP Levante de Almeria will develop three fundamental lines of work:

A) The **horizontal activities**. These include:

1. Institutional co-ordination and social participation framework: its main task is to provide the contents to an inter-administrative coordination structure to join together the different sectorial policies, assuring the social participation in the decision making processes. To this end it is envisaged the introduction of an organisational structure, that will be headed by the Levante de Almeria Coastal Commission, able to establish at the highest institutional degree agreements of collaboration to undertake the proposed initiatives in an integrated way. The Coastal Commission will also promote the creation of the Coastal Council (socio-economic agents), and the Coastal Forum (participatory forum open to the society).

2. Environmental information and Education. The promotion of social participation in coastal related decision-making is one of the key objectives of the CAMP Levante de Almeria. This work line is considered of high importance for the promotion of coastal environments and sustainability social awareness, and the dissemination of the project findings.

The activities proposed are related to public communication (brochures, seminars, marketing, etc), creation and update of a project webpage, and creation of an easy-access GIS of the project area that gathers all kinds of data (documentation, charts and maps, statistics, indicators, images, etc) facilitated by the stake holders. Other activities of environmental education focused to rising awareness among the society will be carried out (i.e. sustainable practices, promotion of sustainability and active participation in urban planning, beach and sea users environmental awareness campaigns, dissemination of the cultural and landscape heritage values, etc).

3. Training and capacity building. The FS points out the lack of professional skills, especially among the administrations technical staff, focussed to the specific needs integrated coastal area management (i.e. too much specialisation and uniformity in sectorial aspects of the organisations; lack in integrated management social abilities such as negotiation techniques, conflict solving, coordination and cooperation mechanisms, social participation and communication techniques, etc; lack of general knowledge of the coastal environments to complement each sectorial activity and favour the comprehension of the other activities).



Detailed formulation of the Project						o	o										
Implementation								o	o	o	o	o	o				
Post Project activities																	o

CAMP Levante de Almeria SUMMARY BUDGET TABLE (in €)				
ACTIVITIES	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
<b>A. HORIZONTAL ACTIVITIES</b>	170,800	73,200	50,000	<b>294,000,00</b>
<b>B. SINGULAR PROJECTS</b>	269,500	115,500	60,000	<b>445,000,00</b>
<b>C. PROJECT COORDINATION, INTEGRATION &amp; DISSEMINATION OF RESULTS</b>	259,700	147,428.12	130,000	<b>537,128.12</b>
<b>TOTAL ESTIMATED BUDGET</b>	<b>700,000</b>	<b>336,128.12</b>	<b>240,000</b>	<b>1,276,128.12</b>

# 1. INTRODUCTION

## 1.1. PREPARATORY ACTIVITIES

The proposal to start up a CAMP project on the Spanish Mediterranean coast was presented by the Spanish authorities to UNEP-MAP in July 2002 and was taken into consideration during the meeting of the Contracting Parties of the Barcelona Convention in Monaco (17-18 October 2002).

Following the recommendations made at the Conference of the Contracting Parties held in Catania, where the MAP (MEDU) Secretariat was encouraged to implement the CAMP Projects in course and also those whose implementation has already been decided upon, as well as the new proposed area for the implementation of the project by the Spanish authorities, (the emerged and submerged part of the East coast of the province of Almeria, known as Levante de Almeria), a Feasibility Study for the CAMP Levante de Almeria was envisaged.

A series of activities were organised during the Feasibility Study preparation phase, among which the following can be highlighted:

- First meeting of the parts (Regional MoE, Spanish MoE and PAP-RAC) at the Regional MoE headquarters in Seville, which included a field trip to the CAMP area. February 2005.
- Meeting with the Mayors of the CAMP area municipalities to inform of the project. April 2005.
- First Participatory Workshop with the local stakeholders. May 2005.
- Second Participatory Workshop with members of the institutions involved in the CAMP area. July 2005.

The Feasibility Study was presented to an ad-hoc meeting in November 9, 2005 at the occasion of the 14th Ordinary Meeting of the Contracting Parties (COP 14) in Portoroz, Slovenia.

## 1.2. JUSTIFICATION OF THE CAMP LEVANTE DE ALMERIA

### 1.2.1. Compatibility of the proposal of CAMP Levante de Almeria with CAMP objectives and triggering factors in the selected area

- The objectives and activities proposed for the CAMP Levante de Almeria are fully compatible with the objectives set for the CAMP projects, as it would strengthen the coordination mechanisms between Administrations and local socioeconomic agents; it would increase the public awareness and participation in the policies and conservation activities and sustainable use of the resources; and it would improve the training of the managing teams of the area, of the various socioeconomic agents and of the local population; it would contribute to the application of a sustainable model of development in the area; it would assess the current situation, the tendencies and possible future scenarios of the territorial structure and the interactions between development and environment; it would reinforce the sustainability and compatibility with the conservation of the natural and cultural resources of the main economic sectors of the area; it would contribute to the conservation and appropriate management of the natural and cultural resources.
- The relevance of the chosen area is clear, the following aspects deserving to be underlined: Firstly, the insufficient coordination of activities between the Public Administrations themselves and the socioeconomic agents; and secondly, a series of aspects such as important urban, vacation and residential tourism pressure with all its derived problems; Agricultural intensification and derived pollution-related problems; Strong conflict between the uses of the territory and the natural resources; Presence of highly valuable and fragile natural areas.
- There is, additionally, an interest going beyond the local and national scope regarding the results expected from the CAMP project.  
With regard to this aspect it must be pointed out that this project is a pioneering one in Spain, and, therefore, it can become a reference in the implementation of the principles of the *“Recommendation on the implementation of the integrated management of coastal areas in Europe (2002/413/EC)”*.

- The high degree of institutional involvement in the Project must be highlighted. There is an explicit political will for the implementation of the integrated management in the coastal areas in general, and specifically of the CAMP Levante de Almeria project, expressed at a local, regional and national level. At a national level, this was expressed by means of the reorientation of the Coasts Policy by the Spanish MoE since June 2004, which now includes the promotion of the integrated and sustainable management of the coasts. At the regional level this is shown in Area 6 of the Andalusian Plan of Environment 2004-2010 “Integrated Environmental Coastal Management”; it is also shown in the May 2005 Proposal in which the Andalusian Parliament urges the Regional Government to promote an Andalusian project of integrated coastal area management. At the local level the will is widely shown in the public participation meetings and in the strong implication of the Town Halls, County Councils and peripheral organisms of the Regional Government of Andalusia, among others, in the preparatory phase of CAMP Levante de Almeria project.

In summary, the implementation of the CAMP Levante de Almeria can be justified by the following circumstances:

1. Complexity of the institutional framework and relevant number of plans and sectorial programmes with incidence in the area. Both factors imply the need for a new instrument exercising a coordinating action of the Administrations and their instruments for planning and programming.
2. Strong and growing pressure on the coastal areas of the region as a result of human activities.
3. The confluence of a large part of the problems typical to the Mediterranean coastline (urban development, tourism, fishing, intensive agriculture, impact on the hydrological resources, pollution, degradation of the natural environment...).
4. The need to go beyond an excessively sectorial view of the different existing problems, since, in view of the clear interrelationship among them, valid alternatives for a sector may be highly negative for another one, and, accordingly, an integrated view and harmonisation of the different sectorial policies seems to be essential.
5. The will of local, regional and national authorities to face those problems with an integrated view, do turn this region into a model case where the implementation of a CAMP acquires the utmost interest under the MAP’s criteria.
6. Existence of an appropriate legal and institutional framework.
7. Clear support shown by national and regional authorities in Spain that guarantees that the current CAMP, once the planning stage has been completed, will move on to the actual implementation stage. That shall make it possible to overcome one of the main problems a large part of the previous CAMPs were faced with and will enable the opening of a demonstrative process of great interest to other areas in Spain and in the Mediterranean region at large.
8. Pioneering aspect of the project in view of the EU approach for coastal areas.
9. Opportunity to include public participation in the decision making process of the Administration, without restricting it to the regulated processes present in the sectorial planning, but as a continuous process of reciprocal communication between the Administration and the general public.

### **1.2.2. Conceptual framework of the CAMP Levante de Almeria**

The design of the CAMP Levante de Almeria recognises and incorporates the following fundamental considerations:

- The CAMP Levante de Almeria is a “country-driven” project: This emphasises that the Project is designed to respond to national, regional and local priorities, will operate according to the experiences and realities of the Spanish legal, administrative and cultural institutions, and will utilise the available national and local expertise. MAP technical assistance will be targeted to general coordination and to issues in which national expertise and resources require support and supplementary inputs.
- The CAMP Levante de Almeria Project is based on an integrated approach to marine, coastal and river basin environment and development problems. This emphasises that project activities will cut across protection and development problems, harmonise public sector priorities and private sector pressures, and provide an integrated strategy for the common goal of achieving development in the region within a sustainable management policy framework.

- Consequently, the CAMP Levante de Almeria Project, far from compromising development objectives, aims to incorporate the principles of sustainable development and integrated coastal management in the development process to better articulate resource protection and development objectives.

## **2. CAMP LEVANTE DE ALMERIA BASIC ELEMENTS**

### **2.1. PROJECT AREA**

The CAMP Levante de Almeria project area covers over 219,000 hectares of the South Eastern area of the Almeria Province, in Southern Spain (Figure 1). Of that total, 71,000 hectares correspond to the submerged area, and 148,122 hectares to the emerged land which includes the following eight municipalities: Pulpí, Cuevas de Almanzora, Vera, Garrucha, Mojácar, Carboneras, Níjar and Almeria. The limits of the CAMP Levante de Almeria action area will be considered as flexible, considering the convenience of including some adjoining non-coastal municipalities in the resolution of certain issues that influence some aspects of the management of the coastal area (i.e. management of the river basins, pollution, fishing or the urban planning and economic dynamics).

The project area has one of the best kept marine areas of the Mediterranean Sea, housing a variety of ecosystems (such as prairies of *Posidonia oceanica* or the rocky sea bed corresponding to the submarine volcanic areas) that have been acknowledged and included in various protection figures, such as the Natural Park of Cabo de Gata-Níjar, declared Reserve of the Biosphere by the UNESCO, two Special Areas of Conservation of Birds, twelve Areas of Community Interest, an area protected by the Ramsar agreement and two Specially Protected Areas of Mediterranean Importance (SPAMI).

There is a total of eighty beaches in East Almeria according to the *Catalogue of Spanish Beaches* (Spanish MoE), whose accretion or erosion is determined, apart from the marine and coastal dynamics, by the actions carried out in the terrestrial environment as these can influence the provision of sediments to the beaches.

With an average rainfall of only 300 mm per year, the East Almeria is one of the most arid areas of Western Mediterranean. The very low rainfall, the strong sunlight, and the drying effect of the westerly and easterly winds cause a situation of considerable hydraulic deficit. Its rivers have a very irregular regime, with prolonged droughts and periods of flooding that can become very destructive.

The population of the area (245,860 inhabitants in 2004 census) is mostly concentrated in the municipality of Almeria. Its main characteristic is the seasonal growth as the population increases during the summer months due to the arrival of tourists, involving a considerable seasonal demand increase of water, energy and public services. At the same time the increase of the vacational and residential tourism stimulates construction activity in the area. The new housing developments are increasing not only along the coastline, but also towards the coastal mountain ranges, following the development of new road infrastructures, without taking into account the hydraulic deficit and the high pressure on the natural resources. That way the need to reach agreements with the organisms with responsibilities in the land, housing building companies and population in order to promote sustainable urban planning arises.

Over the past century, the area population has suffered a demographic growth, greatly influenced by the returning emigrants as well as the arrival of foreigners of two different nature: European Union citizens, mainly British, that come to this area for a tourist stay that many times become a permanent, and young North Africans or Latin Americans, looking for work in the agricultural sector.

In spite of the fact that the land of the area is not of a high agricultural quality, this territory is experimenting considerable growth since the 80s in the last century, in fruit and vegetable intensive agriculture. In fact, the intensive agriculture is an institutionally complex and dynamic technological system, in which the use of greenhouses allows bringing forward the crops and obtaining earlier crops compared to the rest of the markets. The production system of this type of agriculture is similar to an industrial production process, with high contents of intermediate consumption, large amount of cheap labour, water, agrochemical products and other elements, as well as a more and more sophisticated technology. The massive use of

greenhouses in the area implies, apart from a landscape impact, an important source of generation of plastic, vegetation and phytosanitary container residues that need specific treatment and management and are very difficult to dispose of.

Fishing is an economic activity deeply rooted in some settlements of the area, although the strong extractive pressure that the fish banks of the area are undergoing question the sustainability of this activity. In East Almeria there are various aquaculture initiatives, both of marine cultures in cages as well as breeding and fattening of young fish in fish factories, and controls of the new installations of aquaculture exploitations are being recommended to study the capacity of the areas in which these activities are set up, as well as the possible impacts of the activity.

The CAMP Levante de Almeria project scope also has a rich historical heritage, of which we should highlight the archaeological, architectonic, industrial, mining and ethnographic heritage. Nevertheless, the evaluation of the same seems insufficient, in spite of being an essential component of the territorial identity and singularly attractive point of the area.

Transport infrastructure in the area is scarce and determined by its location at a considerable distance from the main regional and national population centres. The area has three relevant large port installations (Almeria city, Carboneras and Garrucha) some smaller ones (San José and Villaricos). The Almeria Thermal Power Station located in Carboneras should be highlighted as an important energy infrastructure of the area, whose extension is currently being considered. Additionally, very shortly the MEDGAZ gas pipeline, which will import natural gas from Algeria, will be built. sea water de-salting plants are in operation in Almeria city and the recently open one in Carboneras. All the municipalities of East Almeria have water purifying plants in operation, some times insufficient during the summer months when the population grows considerably.

In the CAMP Levante de Almeria project scope a change of territorial model is taking place, affecting the physical-environmental circumstances of the area, with emerging demands based on the new vocation of the land, the presence of new economic agents, and the institutional action of planning and territorial organisation.

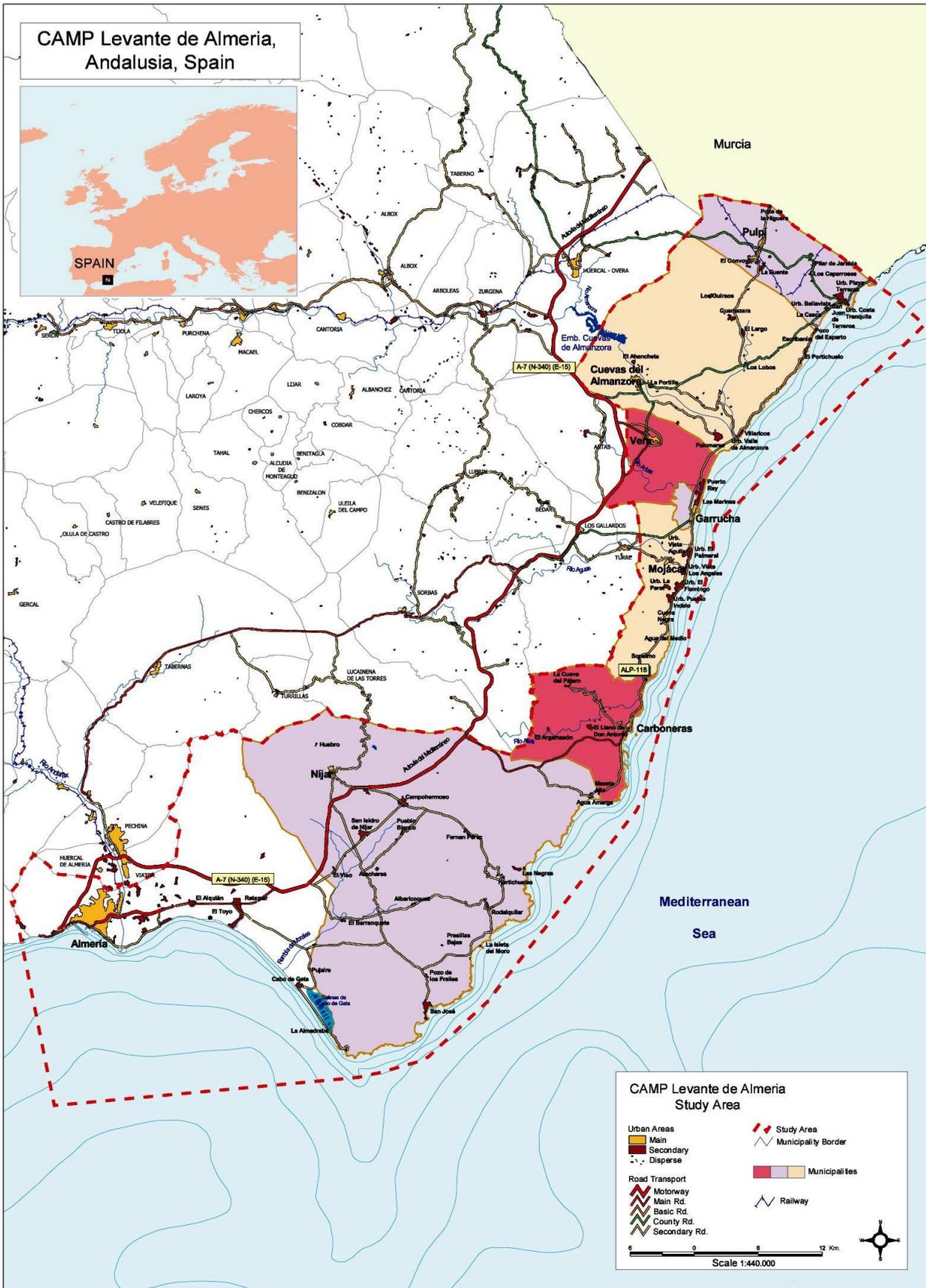


Figure 1: CAMP Levante de Almeria Project Area

## 2.2. PROJECT OBJECTIVES AND STRATEGY

The **objectives** put forward for the “CAMP Levante de Almeria”, as presented in the Project Feasibility Study and formulated on the basis of the diagnosis and within the framework of objectives and criteria for the CAMP projects, are as follows:

- To enhance the **coordination mechanisms** between the different government bodies and the area’s social and economic actors for the compatibility and integrability of the policies implemented and the actions carried out.
- To assure **administrative coordination** as the main instrument to guarantee a real integration of environmental policy and the rest of sectorial activities.
- To increase **public awareness and participation** in the policies and activities aimed at the conservation and the sustainable use of resources.
- To improve the **training and capacity-building** of the area’s management teams, the different economic sectors and the local populations to achieve the project’s objectives and enable the launch of other initiatives related to conservation and sustainability.
- To enhance the **sustainability and compatibility** with the conservation of the natural environment of the area’s main economic sectors (agriculture, tourism and urban development).
- To make a contribution to the **conservation and management** of the natural and cultural resources.

The **strategy** of the Project is based on the methodology of ICAM and ICARM. The Project will be implemented within the existing European, national and local legal and planning framework, using as basic inputs existing planning and development-related documents, available information sources on natural resources, socio-economic conditions, problems, causes, sources and impacts of pollution.

The CAMP Levante de Almeria Project will be implemented by teams of national experts assisted by MAP experts and international consultants. The integration of the Project results will be made jointly by MAP and selected national experts.

MAP Regional Activity Centres and MAP programmes with particular expertise will provide technical assistance to the Project, including:

- Co-ordinating Unit for MAP (MEDU);
- Priority Actions Programme Regional Activity Centre (PAP/RAC);
- Blue Plan Regional Activity Centre (BP/RAC);
- Specially Protected Areas Regional Activity Centre (SPA/RAC);
- Information Regional Activity Centre (INFO/RAC);
- Clean Production Regional Activity Centre (CP/RAC); and
- MEDPOL.

In addition, national teams implementing individual Project activities will use as appropriate, recommendations and documentation prepared within hitherto MCSD and EU activities. Administrative and technical support related to the use of MCSD and EU documents will be provided by the responsible MAP component and the Spanish MoE.

The cost of the Project will be covered through cash and “in kind” contribution by MAP (through the contributions of the RACs involved), and by the host country cash and “in kind” contributions.

The allocation of MAP funds related to:

- salary of Project General Co-ordinator,
- expenses of MAP experts and consultants, and
- other costs

will be agreed within the Aide-Mémoire to be signed after the approval of the Inception Report and Technical Specifications.

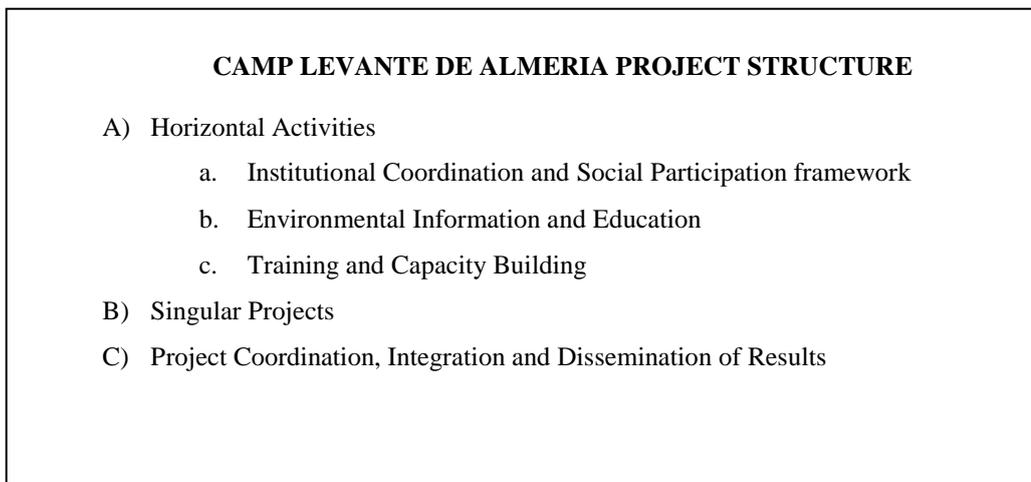
Progress reporting by national teams to the Project General Co-ordinator and PAP/RAC in its role of MAP Project co-ordination, will be provided through regular half-yearly progress reports. In addition, at the Project level, the Project General Co-ordinator and PAP will present regular half-yearly progress reports to MAP and Spanish MoE.

## 2.3. PROJECT STRUCTURE

As a result of the participatory processes carried out during the preparation of the Feasibility Study, the CAMP Levante de Almeria project is structured around three main segments:

- A) **Horizontal Activities:** a) Institutional Coordination and Social Participation (more in Section 2.6.1); b) Environmental Information and Education (more in Section 3.1.2); and c) Training and Capacity Building (more in Section 3.1.3). Each one of these Horizontal Activities is made up of singular projects.
- B) **Singular Projects:** These are structured around the main thematic areas identified in the participatory processes plus these proposed by MAP (more in Section 3.2).
- C) **Project Coordination, Integration and Dissemination of Results.** (more in Section 3.3).

Figure 2: CAMP Levante de Almeria Project Structure



## 2.4. PHASING OF THE PROJECT

Project phasing will follow the approach incorporated in the ICAM methodology (Figure 3):

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

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

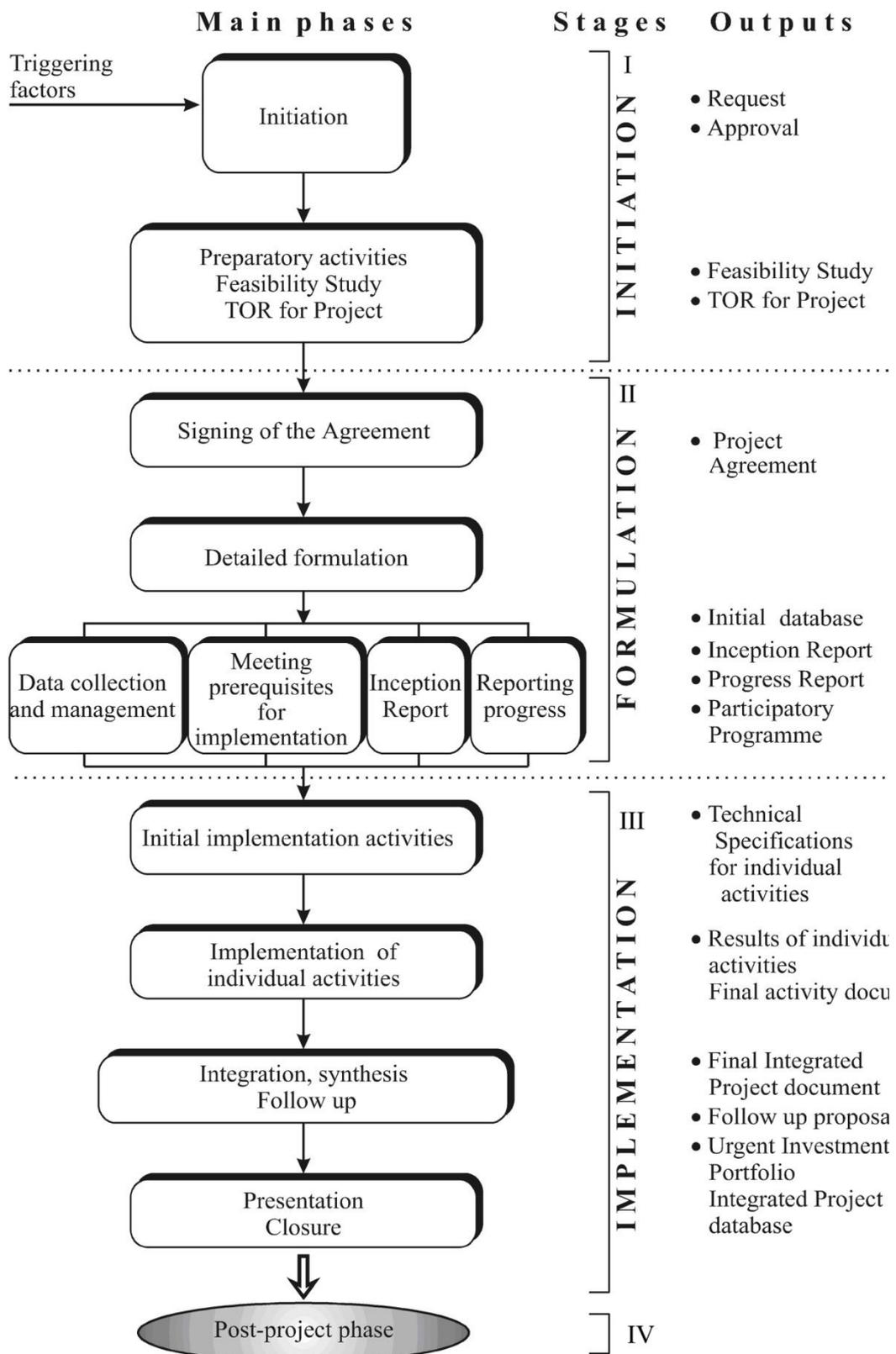
- Initial data collection;
- Meeting prerequisites for implementation;
- Draft Technical Specifications;
- Draft Inception Report;
- Inception Workshop/Final Inception Report;
- Approval to start the implementation stage.

**Stage III:** Implementation:

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

**Stage IV: Post Project Activities**

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



## 2.5. PROJECT OUTPUTS

The main expected outputs of the CAMP Levante de Almeria are:

- Establishment of an institutional coordination and social participation framework (i.e. permanent Coastal Commission, Coastal Council and Coastal Forum).
- Consolidation of public participation in the coastal management processes.
- Increase of public awareness with regard to the conservation and sustainable use of the area's resources.
- Enhancement of the training and capacity building of the area's management teams, the different social and economic sectors and the population at large for the sustainability of the area's activities.
- A number of other outputs related to the singular activities (see Section 3).

## 2.6. PROJECT FRAMEWORK

The preparation of the CAMP Levante de Almeria will be carried out under the following organisation structure:

### **2.6.1. Direction**

The CAMP Levante de Almeria direction will be represented by the Steering Committee. This body will be composed of members of the RMoE of Andalusia, the Spanish MoE and MAP-PAP/RAC. The Steering Committee will create the CAMP Levante de Almeria structure for the coordination, integration and dissemination of results (nomination of the project General Coordinator, and establishment of a Technical Coordination Office; more info in section 3.3).

### **2.6.2. Working teams**

An interdisciplinary team will be set up for each one of the main actions.

The Team Leaders, nominated and accepted by the respective institutions responsible for individual activities and confirmed by the Spanish National and Regional authorities and MAP, will be directly responsible for the formulation and implementation of the respective activities. They will act under the guidance of the Coastal Council.

Members of the national teams (national experts) which will participate in the Project will be engaged through the Spanish authorities. They will act in accordance with the respective Technical Specification for the activity, endorsed by the relevant RACs, and in accordance with the respective TOR for the consultant. The composition of National Teams will be agreed upon by the Aide-Mémoire to be signed prior to the signature of individual contracts.

### **2.6.3. The MAP component**

The Co-ordinating Unit of MAP (MEDU) exercises guidance and supervision of the implementation of the Project. PAP/RAC, as the MAP Project Implementing Centre, is responsible for co-ordination, guidance and implementation of the Project, in co-operation with the Spanish National and Regional authorities. Furthermore, PAP/RAC co-ordinates the activities with other MAP components involved in the Project with the assistance of an external expert nominated as general co-ordinator of the project. Finally, it is responsible for the co-ordination of preparation of final Project documents. In addition, the Project will benefit from the use of the MCSD documents related to individual Project activities.

Other MAP components involved in the Project, BP/RAC, SPA/RAC, INFO/RAC and CP/RAC, are responsible for the implementation of respective Individual activities, under the logistical co-ordination of PAP/RAC, and in co-operation with the general co-ordinator and relevant national authorities/institutions responsible for the respective activities.

MAP professionals and consultants act in accordance with their respective ToRs. The area of consultancy needed and the selection of the consultant shall be defined by the Inception Report and agreed by the Aide-Mémoire in order to ensure proper use of resources and transparency.

#### **2.6.4. Inputs**

The Inception Report, as well as the Technical Specification for each Project activity and TOR for each consultant or team of consultants, would clearly indicate which MAP inputs are to be consulted as compulsory in the implementation of activities. MCSD recommendations on sustainable coastal management, water resources management, tourism, indicators and information and public awareness will have to be taken into account. Current work within the MCSD Working Group on Urban Management and Sustainable Development will also have to be taken into account. GEF Strategic Actions Programme on Land-based Sources of Pollution in the Mediterranean will serve as a source of information for the Project activities on water resources management, coastal zone management and marine conservation.

#### **2.6.5. Reporting**

During the implementation of the Project, regular programme reporting at half-yearly intervals will be secured at the Project level and for each Individual Project activity.

After the completion of the Project, Terminal Project report and Self-Evaluation Facts Sheet will be prepared according to the UNEP format.

During the post Project phase, regular reporting at half-yearly intervals will be secured, on the basis of respective monitoring and evaluation activities.

Progress reports, interim documents, Final Project Documents and Reports will be prepared in English and Spanish language.

Details of reporting activities are presented in section 6.

#### **2.6.6. Project partnership and participation**

A provisional list of partners in the implementation of the Project activities has been established including other Regional Ministries, municipalities, scientific bodies and universities, professional organisations, economic interests, trade unions, local NGOs, and other concerned organisations.

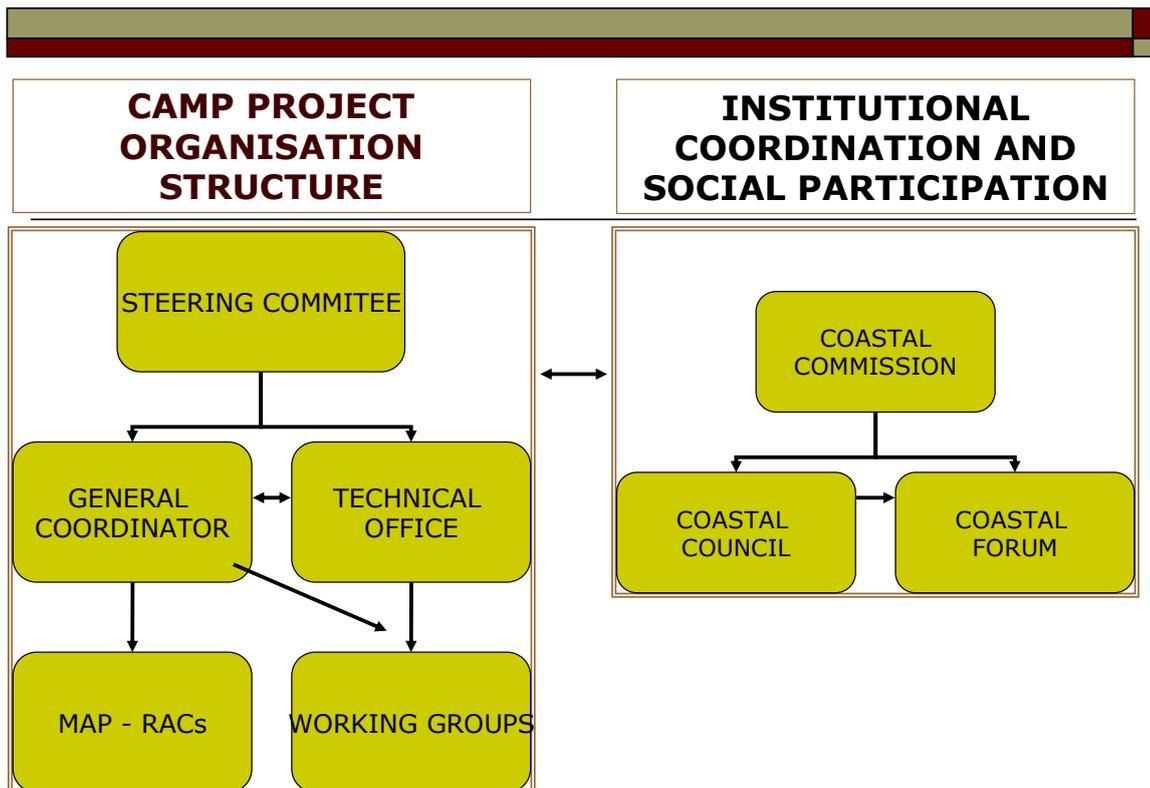


Figure 4. Organisation structure of the project and Institutional Coordination for the area.

### 3. PROJECT ACTIVITIES

Through the participatory workshops carried out during the FS, the CAMP Levante de Almeria has been conceived as a demonstrative experience to create and put in practice an organisational structure and procedures to articulate coordination mechanisms between the different administrations as well as to promote the social participation in coastal area related decision making. All this to the end of achieving a true integration of the sustainability principles in the set of sectorial actions.

The results expected from the CAMP Levante de Almeria will be a valuable experience for the creation of similar organisational structures nationwide, promoting this way a true implementation of the ICAM.

To achieve these objectives the CAMP Levante de Almeria will develop three fundamental lines of work: A) Horizontal Activities, B) Singular Projects, and C) Coordination, Integration and Dissemination of Results (see figure 2). As part of these lines of work different activities and singular projects will be carried out. Most of these arose from the participatory processes above mentioned, and others have been proposed by MAP and will be carried out by MAP and MAP Components (PAP/RAC, BP/RAC, MEDPOL, SPA/RAC, INFO/RAC, CP/RAC) in liaison with the CAMP Levante de Almeria coordination team.

#### 3.1 . HORIZONTAL ACTIVITIES

Estimated budget (€) for the Horizontal Activities:

ACTIVITIES	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
<b>A. HORIZONTAL ACTIVITIES</b>	<b>170,800</b>	<b>73,200</b>	<b>50,000</b>	<b>294,000</b>
A.1 Institutional Coordination and Participation	36,050	15,450	-	51,500
A.2 Environmental Information and Education	70,000	30,000	10,000	110,000
A.3 Training and Capacity Building	64,750	27,750	40,000	132,500

##### 3.1.1. Institutional Co-ordination and Social Participation Framework

This activity is the result of the participatory processes carried during the preparation of the Feasibility Study and is backed by recommendations such as the MCS D Recommendations on the Integrated and Sustainable Management of the Coastal Zones where it is said: “*Taking note of the findings of the working group convened in Benidorm under the guidance of the two task managers, Morocco and Medcities (21-23 September 1997), and in light of the work of BP/RAC and PAP/RAC on the rapid degradation of many coastal areas, such as islands, with its inherent risk to certain economic activities, the MCS D adopted the following draft recommendations: ... (i) To improve institutional mechanisms for the integrated management of coastal areas by creating, if necessary, and/or strengthening inter-ministerial or inter-administrative structures and frameworks for the co-ordination of the actors involved in coastal development and management and the integration of their activities...*

*...Such structures should be set up at the level relevant to each country (national, regional, local).”*

The Institutional Co-ordination and Social Participation framework for the area of the CAMP Levante de Almeria (Figure 4) will be lead by the **Coastal Commission** that will be set up by the Spanish MoE and the RMoE of Andalusia at the highest institutional degree of the project components, in order to bring together the various Administrations with responsibilities relative to the CAMP project and provide the compatibility of their actions.

The Coastal Commission will be composed of representatives of five administrative levels:

- Town Halls from the CAMP Levante de Almeria area
- Mancomunidad de Municipios (Municipality Association)
- Diputacion Provincial (Provincial Municipality liaison)
- Provincial Delegations of the Regional Ministries
- Directorate for Coasts (Spanish MoE)

The sessions of this Commission could be open to these technical experts, acting as consultants, that may be considered appropriate, depending on the issues taken into consideration. At the same time the Coastal Commission may invite the respective specific entities (i.e. Andalusian Water Agency), to their sessions depending on the issues to be dealt with.

The basic functions of the Coastal Commission will be:

- Drafting of its functioning regulation.
- Coordination of the public actions in the CAMP area.
- Establishment of action lines within the CAMP project.
- Promotion of agreements between the various Administrations.
- After the initial stage of the CAMP project, approval of the annual action programme, as well as of the follow-up reports.
- Search for supplementary financial resources for the CAMP project activities.
- Promotion of the cooperation with the Town Halls in the drafting of the urban instruments.

The members of this Commission may delegate in whoever they consider appropriate to be represented. Once this Commission is set up, the Coastal Council and the Coastal Forum will be promoted, described below:

**Coastal Council** is a consulting and participatory organism of the various public and private local socioeconomic agents. The entities of the Coastal Council are:

- Company and Trade Union Associations,
- Fishing and agricultural organisations,
- Levante de Almeria Rural Development Group,
- Neighbourhood associations,
- Environmental groups, and
- Other CAMP area economic and social agents.

The Coastal Council basic functions are:

- Debate the relevant aspects to the sustainable development of the territory and the CAMP project.
- Promote and channel the local population suggestions and queries concerning the CAMP project activities via the Coastal Forum and the project WEB page.
- Put forward concrete recommendations, suggestions and proposals.
- Creation of Task Forces.
- The Council will also promote a **Coastal Forum**, participatory forum open to the society created to promote and guarantee the participation of the local population throughout the entire running of the CAMP project.

The main outputs of this activity are related to the improvement of the active participation of the population in the conservation and improvement of the coast, as well as the generation of social agreement regarding the CAMP project actions.

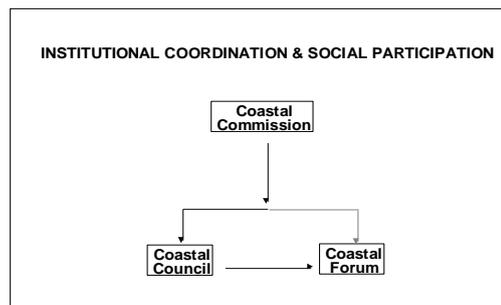


Figure 5: CAMP Levante de Almeria Institutional Coordination and Social Participation framework.

Estimated budget (in €):

ACTIVITY	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
Institutional Coordination & Social Participation Framework	36,050	15,450	-	<b>51,500</b>

### 3.1.2. Environmental Information and Education

The promotion of social participation in coastal related decision-making is one of the key objectives of the CAMP Levante de Almeria. This work line is considered of high importance for the promotion of coastal environments and sustainability social awareness and the dissemination of the project findings.

The activities proposed related to rising awareness among the society will be carried out in the CAMP Levante de Almeria project, when advisable, with the participation of other MAP components [i.e. promotion of sustainability and active participation in urban planning (with the participation of BP/RAC), coordination with local Agendas 21 and other local sustainable initiatives, beach and sea users environmental awareness campaigns, dissemination of the cultural and landscape heritage values, or dissemination of good practice in production activities (with the participation of CP/RAC)].

Other activities of environmental education will be performed through the Technical Coordination Office (see Section 3.3), especially those related to public communication (brochures, seminars, marketing, etc), creation and update of a project webpage and creation of an easy-access GIS of the project, etc.

Estimated budget (in €):

ACTIVITY	Spanish MoE	RMoE of Andalusia	MAP (BP/RAC)	TOTAL
Environmental Information and Education	70,000	30,000	10,000	<b>110,000</b>

### 3.1.3. Training and Capacity Building

The Feasibility Study of the CAMP Levante de Almeria pointed out the lack of professional skills, especially among the administrations technical staff, focussed to the specific needs integrated coastal area management (i.e. too much specialisation and uniformity in sectorial aspects of the organisations; lack in integrated management social abilities such as negotiation techniques, conflict solving, coordination and cooperation mechanisms, social participation and communication techniques, etc; lack of general knowledge of the coastal environments to complement each sectorial activity and favour the comprehension of the other activities).

For all of the above a series of formative activities are proposed in the CAMP Levante de Almeria addressed to technical staff of all the administrations and to socio-economic agents, aimed to reinforce the coastal knowledge from an integrated perspective of equilibrium between economic development and environmental and cultural conservation. The formative activities proposed in the participatory workshops relate to training in coastal ecosystems, introduction to ICAM, training on clean production (with the participation of CP/RAC), training on participatory processes, communication and negotiation techniques, training in coastal GIS, land planning and sustainable development, etc.

Estimated budget (in €):

ACTIVITY	Spanish MoE	RMoE of Andalusia	MAP (CP/RAC)	TOTAL
Training and Capacity Building	64,750	27,750	40,000	<b>132,500</b>

The following activities are an indication of these that will be carried out regarding Training and Capacity Building:

▪ **Training in Ecosystems and Coastal processes**

**General remarks and objectives**

This action establishes training actions aimed at providing the different public and private actors in the area with appropriate qualifications, both in the management and in the social and economic fields.

The objective is the development and consolidation of the training in coastal ecosystems and processes. These basic training programmes should tackle the following issues:

- Geological evolution of the coast.
- Functioning of the physical system of the coast.
- Biological and ecological environment.
- Socioeconomic elements.
- Management instruments at various levels.

**Responsible for implementation**

Technical Co-ordination Office, Town Halls and Regional Ministry of Environment. Experts. Universities.

**Outputs**

- Improvement in the capacity for territorial management related with the planning and management of the coast.

▪ **Training on Land Planning and Integrated Coastal Area Management**

**General remarks and objectives**

This action establishes training actions aimed at providing the different local public and private actors with appropriate qualifications, both in the management and in the social and economic fields. The objective is the development and consolidation of the training in Territorial planning and integrated coastal management.

The training programme should be focused on

- the analysis of the institutions, legal framework, territory planning, territorial planning instruments.
- the physical environment.
- the integration of the management practices within the Integrated coastal management framework.
- training in Geographical Information Systems.
- training in participation, negotiation and communication techniques.

**Responsible for implementation**

Technical Co-ordination Office, Town Halls and Regional Ministry of Environment. Experts. Universities.

**Outputs**

- Improvement in the capacity for territorial management related with the planning and management of the coast.

▪ **Training on Clean Production**

**Objectives**

- To make a pre-study diagnosis analysis of the industrial sector in the CAMP area
- To spread cleaner production mechanisms among industrialist of CAMP area

- To facilitate tools to industrial sector, especially SMEs to implement pollution prevention and to save resources in their production processes.

### **Actions to be implemented**

- To elaborate an Environmental diagnosis study of the industrial activities
- To organise two training courses on Minimisation Opportunities Environmental Diagnosis (MOED)

### **Outputs**

1. Study on situation of industrial activities in CAMP area
2. Material and publications prepared to organise the MOED training courses.

### **Responsible Institution(s) for Implementation**

Regional Activity Centre for Cleaner Production (RAC/CP) and team of experts.

### **Timetable**

- To carry out the Environmental diagnosis study of the industrial activities it will be necessary at least 3 months. It is foreseen to carry out the mentioned study in 2006.
- The training courses are one day – two days courses and they will be done in 2006 – 2007 (one each year).

## **3.2. SINGULAR PROJECTS**

The Singular Projects are conceived to facilitate the participatory processes and decision making over the whole structure of coordination and participation of the project. The singular projects will have the following characteristics: a clear diagnosis, proposal of alternatives, easy understanding, prospective nature, etc.

These are conceived as flexible tools to make a diagnosis and propose possible solutions over specific issues affecting the Levante de Almeria area (i.e. water resources, waste, sustainable tourism, fishing, etc). The singular projects can contribute also to the elaboration or evaluation of an initiative (i.e. SPAMI Management Plan, Evaluation of the acquisition of land for the protection of the coastal environment, etc) proposed by any of the administrations, to be discussed inside the organisational structure of the institutional coordination and social participation framework.

The singular projects have two different origins: a set of projects that arose from the participatory processes during the CAMP Levante de Almeria Feasibility Study phase; and the singular projects proposed by MAP, which will be set up, carried out, and financed by the MAP Components.

It is to be stressed the flexible nature of the singular projects outlined here and these should be treated as indication of what it is intended to be achieved, subject to modification by the Steering Committee if needed.

The following sections will describe a number of Singular Projects, giving an indication of what is to be done during the CAMP Levante de Almeria project.

Estimated total budget for the Singular Projects (€):

ACTIVITY	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
<b>B. SINGULAR PROJECTS</b>	269,500	115,500	60,000	<b>445,000</b>

### **3.2.1 Sustainable Development Reference Framework**

This activity consists of two sub-activities, namely:

- a) Sustainable Development Reference Framework for the CAMP Area

## b) Systemic and Prospective Sustainability Analysis (Imagine)

### 3.2.1.a) Sustainable Development Reference Framework for the CAMP Area

#### General remarks

The diverse Individual Project Activities of the CAMP are all connected as parts of a general framework for Sustainable Development of the area.

The objective of the reference framework will be to remind and give coherence to the different instruments still existing in order to promote sustainability in the area, by making compatible its social and economic development with the conservation and restoration of natural and cultural resources, in order to be used by the Coastal Council and the CAMP implementation instruments and the social and economic actors.

#### Responsible for implementation

Coastal Council; PAP/RAC; Spanish Ministry of Environment; Andalusia Regional Ministry of Environment; Project general co-ordinator; Technical Office; experts.

#### General objectives to which response is given

- To contribute to achieve a sustainable model of development for the area keeping with the ruling principles of ICAM and ICARM of the CAMP projects.
- To assess the current situation, the trends and the possible future scenarios of the spatial structure and the interactions between development and the environment, by proposing instruments (criteria, guidelines, actions, etc.) contributing to solve the problems identified.
- To enhance the sustainability and compatibility with the conservation of the natural environment of the area's main economic sectors (agriculture, fishing, tourism and urban development).
- To make a contribution to the conservation and management of the natural and cultural resources.

#### Operational objectives:

- To provide an instrument for the comprehensive planning and management of the whole area, so that, by taking as a starting point the assessment of the current situation and the investigation of possible scenarios (Imagine), it makes it possible to establish a spatial structure proposal and some action operational instruments.
- To establish lines of action for the sustainability of the territory and the main sectors; and the conservation and management of natural and cultural resources, taking into account the presently existing planning instruments in the area.
- To increase the knowledge of the area and the access to this information for it to be applied to the management and the development of sustainable actions and policies.

#### Outputs

- A comprehensive framework for the sustainable development of the Levante de Almeria area.

### 3.2.1. b) Systemic and Prospective Sustainability Analysis (Imagine)

**Imagine** – Analysis of Systemic and Prospective Sustainability – proposes a set of tools and methods (a methodological corpus) to describe, assess and examine the level of sustainability of an eco-socio system in the past, present and future by means of indicators and a participatory process that considers local actors to be experts at their level. Imagine enables any group of actors from varying perspectives but all involved with a given area to enhance their awareness, together, of current changes and the risks involved in present trends and to set measurable progress goals in the medium and long term in economic, social and environmental planning.

## **Responsible for implementation**

BP/RAC; experts.

## **Objectives of the activity**

- to contribute to efforts towards a sustainable development of the concerned coastal areas by preparing a set of sustainability indicators and a systemic, participatory prospective sustainability analysis, to be undertaken on the basis of a description and assessment of the level of sustainability by main indicators;
- to introduce and apply **Imagine** the systemic and prospective sustainability analysis as a specific tool for sustainable management, future vision and participation in the coastal and marine areas;
- to contribute to the preparation of comprehensive integrated final documents, by presenting a vital analysis and providing key indicators, goals to be attained in terms of sustainability and public awareness.

## **Actions to be implemented**

Starting with the initial diagnosis, priority problems related to sustainable development will be identified by Imagine the systemic and prospective sustainability analysis. Imagine will be accomplished in five workshops. The phases of the process will be the following:

- to organise training on Sustainability Indicators and SPSA;
- to define the system to be analysed and measured, to identify actors, and to establish a working group;
- to identify key indicators of sustainability;
- for each key indicator, to establish a reference point in terms of sustainability measure of the phenomenon (domain, sector) studied;
- on the basis of earlier results, to describe and assess the level of sustainability of existing developments and the current situation, to identify future emerging situations and the resulting problems for sustainable development; to develop the AMOEBA graphic diagram in order to present sustainability future situations;
- to define a desirable situation in a long term (15, 20, or 25 years), and define the objectives of the key indicators, as well as the activities necessary to achieve them;
- to establish public awareness and an ongoing commitment to sustainability indicator development and publication;
- to elaborate a monitoring programme for the system with regard to sustainable development, to include especially the following:
  - assessment of the level of sustainability, according to the selected time span (T+n) through the monitoring of key indicators (frequency according to the speed and/or importance of the phenomena evolution); and
  - periodical re-examination of objectives (and of the necessary actions) according to the achieved results

## **Outputs**

- a) Training and training reports;
- b) Set of sustainability indicators;
- c) Calculations and projections into the future of the indicators;
- d) Choice of objectives to be attained for key indicators;
- e) Monitoring programme for key indicators and their relationships to each other in systemic appraisal;

f) Final Activity Report.

**Estimated Budget (€):**

Singular Project	Spanish MoE	RMoE of Andalusia	MAP (PAP/RAC) a)	MAP (BP/RAC) b)	TOTAL
Sustainable Development Reference Framework (a and b)	8,400	3,600	8,000	15,000	<b>35,000</b>

**3.2.2. Sustainable Management of Hydraulic Resources**

**General remarks**

The traditional hydraulic deficit of the area of study has increased over the last twenty years as a consequence of the economic growth model based on the two activities with intensive use of water: residential and hotel sun and beach tourism and creation of new intensive irrigation crops.

**Responsible for implementation**

Spanish Ministry of Environment; Andalusia Regional Ministry of Environment; Technical office; experts.

**General objectives to which an answer is given**

- Carry out integrated and sustainable management of the hydraulic resources within the framework of the Water Act and EU Directives, specially the Water Framework Directive.
- Re-planning of the uses of the hydraulic resources in Levante de Almeria.

**Operational objectives**

- To stop the overexploitation of the aquifers.
- Improvement of waste water treatment.
- Improvement of the knowledge of the water-coast-biodiversity relationships.
- Provision of directives for a sustainable use of the water.

**Actions to be implemented**

- Application of dynamic systems modelling for the prospective simulation of the load capacity of the aquifers.
- Integrated study of water management, coast and biodiversity.

**Estimated Budget (€):**

Singular Project	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
Sustainable Management of Hydraulic Resources	63,000	27,000	-	<b>90,000</b>

**3.2.3. CAMP Levante de Almeria Marine Environment**

**Responsible for implementation**

SPA/RAC, Ministry of Environment, Ministry of Agriculture and Fisheries, Regional Ministry of Environment of Andalusia and team of experts.

Close contact with the Signatories will be essential, as well as direct communication with local and national experts.

### **Objectives of the activity**

- To compile and generate information on the physical and biological marine environment as a contribution to the zoning of the marine relevant areas included in the CAMP.
- to disseminate among the CAMP Levante de Almeria general public information concerning Protected Marine Areas.
- To implement the Biodiversity and SPA Protocol Action Plans in the CAMP area.

### **Actions to be implemented**

- to organise a specialist group that will prepare information on the marine environment of the CAMP area;
- to organise a meeting to discuss with local actors proposals for the public use of the marine area of the CAMP;
- on the basis of specialised studies related to the implementation of each relevant Biodiversity and SPA Protocol Action Plan, to prepare an implementation plan to be submitted to the relevant authorities for adoption;
- to establish public awareness campaigns in order to adequately protect the marine area of the CAMP and its related biodiversity;
- to elaborate a monitoring programme for the biodiversity related issues in the CAMP area:

### **Outputs**

- Participatory processes and public awareness campaigns of CAMP Levante de Almeria protected Marine Area uses and management;
- Production of maps and data of CAMP Levante de Almeria marine environment;
- Report of the meeting for the Public Use proposals with local actors;
- Specialised studies for the implementation of the Biodiversity and SPA Protocol Action Plans in the CAMP area;
- Implementation plan of the Biodiversity and SPA Protocol Action Plans in the CAMP area;
- Public awareness campaign for the protection of the CAMP area biodiversity;
- Monitoring programme for biodiversity related issues in the CAMP area;
- Final Activity Report.

### **Estimated Budget (€):**

Singular Project	Spanish MoE	RMoE of Andalusia	MAP (SPA/RAC)	TOTAL
Protection of CAMP Marine Resources	28,000	12,000	20,000	<b>60,000</b>

### **3.2.4. Dissemination of good practice in production activities**

#### **General remarks**

The various economic actors involved in the area do not always show sufficient awareness on the environmental impact of their production activities. As a consequence information is needed on the necessary improvement of good practices for productive activities in order to reduce their impact.

**Area**

All the CAMP area.

**Responsible for implementation**

Ministry of Environment (Spain), Regional Government of Andalusia, Municipalities, CP/RAC.

**Objectives**

- To raise awareness concerning sustainable urbanism and tourism in the area.
- To improve awareness in the fisheries sector in order to use resources in a more sustainable way.
- To encourage more farmers to use crop systems that are compatible with the conservation of the environment in the integrated coastal management scope of action.
- To improve sustainability of industrial activities in the CAMP area.

**Actions to be implemented**

- Dissemination of information and organisation of training courses to the concerned sectors about good production practices.

**Outputs**

Improvement in the environmental performance of the main production activities (sustainable agriculture, sustainable fisheries, sustainable industry, sustainable urbanism, sustainable tourism...) in the CAMP Levante de Almeria project area.

**Estimated Budget (€):**

Singular Project	Spanish MoE	RMoE of Andalusia	MAP (CP/RAC)	TOTAL
Dissemination of good practice in product. activities	45,500	19,500	5,000	<b>70,000</b>

**3.2.5. Valuation of Landscape and Conservation of Cultural Heritage**

In Levante de Almeria, a spectacular increase of the threats to landscape is taking place, which obliges the establishment to reach agreements and take actions to avoid the degradation and loss of this heritage.

Together with the landscape values, Levante de Almeria has a widespread heritage, being the result of the various cultures that have settled in the territory.

One of the factors intervening in the devaluation of the cultural heritage and landscape in Levante de Almeria is the urban planning linked to the tourism-related activities.

In general terms, the methodology of urban planning does not take into account the devaluation of essential elements of the territorial structure, such as the loss of heritage, identity or landscape.

The European Convention of the Landscape establishes that landscape management includes the actions addressed to its maintenance, with a sustainable development perspective, in order to guide and harmonise the transformations induced by the social, economic and environmental changes.

Vulnerability assessment is a strategic planning tool aimed at optimisation of land uses from the aspect of environment protection. Its outputs as well as the process of implementation provides support for integrated planning and management:

### **Activity area**

The whole CAMP area.

### **Responsible Institution(s) for Implementation**

Team of experts, PAP/RAC.

### **Objectives**

- Inclusion of cultural heritage as a development asset.
- Design of landscape management tools
- To manage the coastal landscapes of Levante de Almeria and its cultural heritage in an integrated and consensual way in order to protect and sustainable use of its social, economic and environmental assets, by

- mitigating the existing land-use conflicts, in particular those related to urban transformations and tourism development;
- designing and application of valuation and assessment methodologies and tools specific for landscape management, such as vulnerability assessment
- including the cultural heritage and landscape qualities as a development asset

### **Actions to be implemented**

A) Preparation of the vulnerability assessment for the CAMP area, which includes:

- (1) Training on vulnerability assessment (concept, procedure, methodology, tools, etc.)
- (2) Collection of environmental data and data on planned changes, and processing environmental data into adequate and harmonised format (digital maps)
- (3) Constructing hypotheses about the interrelations between the activities and environment (environmental impacts matrix)
- (4) Determining the vulnerability criteria and draft models to model the impacts (for each environmental system/quality separately)
- (6) Checking these hypothesis and the model parameters in workshops. Organisation of two workshops, one with the experts (to verify the cause-effect assumptions) and the other one with the stakeholders, including general public (to verify the value assumptions and priorities)
- (7) Developing final models and interpretation of the results
- (8) Development of guidelines for integrated planning and management (in cartographic and text format)

B) Valuation of cultural heritage and guidelines for its inclusion as a development asset, including:

- (1) Inventory of archaeological, ethnological and historical heritage of the area including the submerged heritage.
- (2) Preparation of a methodology to evaluate the mentioned cultural heritage.
- (3) Incorporation of cultural heritage values to land-use planning in the area.
- (4) Proposal of priorities for restoration and public use facilities related to cultural heritage in the area.

### **Outputs**

- Report on the vulnerability assessment for the CAMP area, including guidelines for integrated planning and management of landscapes
- Report on the application of the valuation methodology for cultural heritage in urban/tourist developments, including guidelines for its sustainable use
- Inventory of cultural heritage in the area.
- Proposal of priorities for restoration and public use facilities related to cultural heritage in the area.

#### **Estimated budget (€):**

Singular Project	Spanish MoE	RMoE of Andalusia	MAP (PAP/RAC)	TOTAL
Cultural Heritage Landscape and Conservation	107,100	45,900	12,000	<b>165,000</b>

### **3.2.6. Improvement of the Protection of the Maritime, Terrestrial and Hydraulic Public Domain**

The purpose of this type of actions is to ensure the enjoyment of all the population of the maritime-terrestrial domain, the conservation and protection of the biodiversity as well as to control the urban processes and other activities that are carried out on the coast.

#### **General objectives**

- Contribute to the maintenance of biodiversity on the coast by means of the application of integrated management instruments.
- Control and moderate the urban processes.

#### **Actions to be implemented**

- To fix the limits in the concerned area of the public domain.
- To avoid the damage to the coastal areas of the CAMP.
- Protection and recovery of the coastal natural systems of the area.
- Promotion of facilities for the public use of the public domain.
- Study and evaluation of the purchase and recuperation of the land by the Administration as a management tool.

#### **Estimated Budget (€):**

Singular Project	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
Protection of M., T. and H. Public Domain	17,500	7,500	-	<b>25,000</b>

### **3.3. PROJECT COORDINATION, INTEGRATION and DISSEMINATION OF RESULTS**

This main segment of the project structure has been designed to secure a harmonised, timely and effective implementation of the Project.

The Steering Committee, as the project direction-related body composed of members of the RMoE of Andalusia, the Spanish MoE and MAP-PAP/RAC, will nominate a CAMP Levante de Almeria project General Coordinator, and will create a CAMP Levante de Almeria Technical Co-ordination Office.

The project General Coordinator will be responsible of the coordination between the National administrations (National, Regional and Local) and between these and MAP, as well as the coordination of all external contributions (provision of guidance and assistance to the National Team Leaders and MAP Team Leaders in detailed formulation and implementation of their respective activities, and presentation of its results), general activities supervision and provision of feedback and inputs, the integration, preparation

and presentation of progress reports and Project results, reporting to the Steering Committee on the progress achieved.

The Technical Co-ordination Office will be created to activate the structure of institutional coordination and participation. This office will have full time staff, specifically contracted for this project in order to ensure the correct functioning of the Technical Office, and will have the following responsibilities:

- Institutional Coordination and Social Participation Framework support (Coastal Commission co-ordination tasks, Coastal Council technical secretariat functions, etc);
- Project General Co-ordinator liaison and support;
- communication, participation, training, environmental education and rising awareness activities;
- singular projects implementation;
- Management of all external contracts and follow up;
- Other activities such of public communication (brochures, seminars, marketing, etc), creation and update of the project webpage and creation of an easy-access GIS of the project area that gathers all kinds of data (documentation, charts and maps, statistics, indicators, images, etc) facilitated by the stake holders, dissemination activities will be performed through the Technical Coordination Office INFO/RAC will be involved in the implementation of the relevant activities elaborated above in close co-ordination with the Technical Office.

The following actions will be Implemented as part of *the project coordination, integration and dissemination of results* activity:

- implementation of the Inception Workshop, as initial training of the National Team Leaders and other national representatives involved in the Project;
- preparation of the Inception Report; assistance to, and supervision of the preparation of Technical Specifications, preparation of TOR for consultants;
- actions related to 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;
- proposing revision of objectives, timetable, programme, if needed;
- revision of drafts and clearance of the final outputs of the individual activities;
- preparation of the final Project documents;
- presentation of the Project results;
- reporting on progress, and preparing the Project Terminal Report and Self-Evaluation Facts Sheet.

The following outputs are to be expected from this activity:

- General co-ordination;
- Establishment of project structure and institutional arrangements;
- Co-ordinating missions, mission reports;
- Inception Workshop;
- Inception Report;
- Progress Reports;
- CAMP Project WEB page
- Final Integrated Project Document, Follow-up Proposals, and Urgent Investment Portfolio;
- Presentation Conference, Conference Documents and the Conference Report;
- Project Terminal Report and Self-Evaluation Facts Sheet.

**Estimated Budget (in €):**

ACTIVITY	Spanish MoE	RMoE of Andalusia	MAP (PAP/RAC)	MAP (INFO/RAC)	TOTAL
<b>C. PROJECT COORDINATION, INTEGRATION AND DISSEMINATION OF RESULTS</b>	259,700	147,428.12	100,000	30,000	<b>537,128.12</b>

## 4. WORKPLAN AND BUDGET

### 4.1. WORKPLAN AND TIMETABLE

The Project Workplan, structured according to the implementation procedure and the relevant Timetable are presented below:

	2007			2008			2009			Follow-up
Signature of the Agreement			X							
Detailed formulation of the Project				O						
Draft Inception Report .....				X						
Draft Technical Specifications .....				X						
Inception Workshop .....				X						
Final Inception Report .....				X	X					
Meeting prerequisites for implementation...				X						
Implementation				O	O	O	O	O	O	O
Initial activities:										
. Final Technical Specifications .....					X					
. TOR for consultants. ....					X					
. Signature of consultants' contracts.....					X					
Implementation of Project activities					X	X	X	X	X	
Integration of results										
. Final integrated Project documents.								X		
. Presentation Conference.....									X	
. Terminal Report.....									X	
Post Project activities										O
Follow-up activities (host country) ...										X
Monitoring, evaluation, reporting (host country) .....										X
Presentation of the Project results at MAP level (MAP - PAP/RAC)										X

## 4.2. BUDGET AND COST-SHARING

Estimated budget (€) and indicative contributions

ACTIVITIES	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
<b>A. HORIZONTAL ACTIVITIES</b>	170,800	73,200	50,000	<b>294,000</b>
A.1 Institutional Coordination and Participation	36,050	15,450	-	51,500
A.2 Environmental Information and Education	70,000	30,000	10,000	110,000
A.3 Training and Capacity Building	64,750	27,750	40,000	132,500

ACTIVITY	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
<b>B. SINGULAR PROJECTS</b>	269,500	115,500	60,000	<b>445,000</b>
Sustainable Development Reference Framework	8,400	3,600	23,000	<b>35,000</b>
Sustainable Management of Hydraulic Resources	63,000	27,000	-	<b>90,000</b>
Protection of CAMP Marine Areas	28,000	12,000	20,000	<b>60,000</b>
Dissemination of good practice in production activities	45,500	19,500	5,000	<b>70,000</b>
Cultural Heritage Landscape and Conservation	107,100	45,900	12,000	<b>165,000</b>
Protection of M., T. and H. Public Domain	17,500	7,500	-	<b>25,000</b>

ACTIVITY	Spanish MoE	RMoE of Andalusia	MAP	TOTAL
<b>C. PROJECT COORDINATION, INTEGRATION AND DISSEMINATION OF RESULTS</b>	259,700	147,428.12	130,000	<b>537,128.12</b>

### MAP contribution to the Project (€)

<b>RAC</b>	
PAP	120,000
BP	25,000
SPA	20,000
INFO	30,000
CP	45,000
<b>TOTAL (MAP)</b>	<b>240,000</b>

### Host country partners' contribution to the Project

Partner	Total (€)
Spanish MoE	700,000
RMoE of Andalusia	336,128.12
<b>TOTAL</b>	<b>1,036,128.12</b>

### Contributions to the Project – all partners

	€	%
Spanish MoE	700,000	<b>54,85</b>
RMoE of Andalusia	336,128.12	<b>26,34</b>
MAP	240,000	<b>18,81</b>
<b>TOTAL</b>	<b>1,276,128.12</b>	<b>100</b>

## **5. ACHIEVEMENT INDICATORS**

Achievement indicators will be applied when evaluating:

- a) progress of the Project implementation at the Project level and at the level of each Project activity;
- b) use of the Project results in the post Project period.

### **5.1. PROGRESS ACHIEVEMENT INDICATORS**

When evaluating the progress of the Project implementation the following achievement indicators will be applied:

#### **5.1.1. Progress achievement indicators at the Project level to be prepared by the Project Technical Office.**

- percentage of successfully implemented individual activities, as envisaged by the Project Workplan and by Technical Specification;
- timely implementation of the Project – percentage of the time of extended Project duration, if any, in comparison with the original Timetable of the Project;
- overrunning of approved budget, if any – percentage of overrun;
- percentage of outputs produced in comparison with the number of planned outputs;
- number of national/local experts involved in the Project;
- the Participatory Programme: number of actions, number of NGOs involved, number of other organisations and number of stakeholders involved in the programme, feedback and quality;
- number of persons trained;
- equipment supplied;
- existing data base expanded (approx. percentage of expansion);
- the catalytic effect of the Project, intellectual, financial (if any, to be expressed in financial terms); and
- contribution of MAP consultants, experts, professionals.

The assessment of the progress according to the above indicators will be reported within regular Progress Reports at the Project level.

#### **5.1.2. Progress achievement indicators at the level of individual activities**

When evaluating the progress of individual activities, in addition to the achievement indicators listed above under a), specific progress achievement indicators will be identified for each activity within respective Technical Specification. The assessment of the progress according to the above indicators will be reported within regular Activity Progress Reports.

### **5.2. PROJECT ACHIEVEMENT INDICATORS**

When evaluating the Project results in the post Project period, the following achievement indicators will be applied:

#### **5.2.1. Evaluation to be made by the Spanish authorities**

- provision of an integrated solution for sustainable development of the Project area;
- promotion of a sustainable use of major resources of the Project area, or an improved protection of resource productivity and ecosystems;
- implementation, at the Project level and at the country level;
- improvement of the quality of life and health conditions of the resident population;
- improvement of the socio-economic conditions in the region;
- benefits identified versus those expected, impacts on sustainable use of land resources;

- improved measures for the protection against pollution, emergency preparedness, protection of natural habitats and biodiversity, conservation of historic and cultural values, etc.;
- introduction of participatory activities and practice in the host country;
- implementation in practice of individual solutions and recommendations of the Project;
- formulation of a follow-up remedial programme on the basis of the Project results;
- evaluation of professional capacity of involved institutions and authorities achieved by programme implementation;
- stakeholders response and participation;
- increased public awareness;
- inputs into national practice:
  - application of tools and methodologies;
  - implementation of recommendations related to improvement of institutional and legal arrangements in the country or in the Project area;
  - application of the Project results in other areas of the host country;
  - initiation of similar programmes in the country; and
  - assistance by host country institutions and teams to other countries, if any.

### **5.2.2. Evaluation to be made by PAP/RAC**

In addition to the above-listed indicators, the following ones will have to be taken into account:

- successful application of methodologies, tools and procedures;
- successful integration of activities during the implementation stage, and of results in the final phase of the Project;
- the catalytic effect of the Project, expressed in qualitative terms;
- evaluation of conclusions of the Presentation Conference;
- inputs into national practice, or application of the results in other Mediterranean countries;
- inputs at the regional level:
  - to the Mediterranean Commission on Sustainable Development;
  - when formulating regional policies and strategies; and
  - when distributing and applying the Project results.

The assessment of the Project results, taking into account the above-listed indicators, will be reported by the Spanish MoE within regular Post Project Reports; and by PAP/RAC within the Project Terminal Report, and other documents.

## **6. PROGRESS REPORTING**

Regular Progress Reports will be presented:

- a) at the Project level; and
- b) at the level of individual activities.

In addition, at the end of the Project, reports will be prepared at the Project level and for each activity. Progress reports will be provided at half-yearly base by:

- the respective National Team Leader at the level of each individual Project activity;
- Project General Co-ordinator at the Project level; and
- MAP Project Director.

The reports of National Team Leaders will be presented to the Steering Committee and to PAP/RAC.

The reports of Project General Co-ordinator and of MAP Project Director will be presented to Spanish MoE, to PAP/RAC and to MEDU.

The Final Project Report will be prepared by MAP Project Director on the basis of the draft version to be prepared by the Project General Co-ordinator.

## **7. POST PROJECT ACTIVITIES**

In order to provide conditions for the utilisation of the Project results after the official closure of the Project, the following activities will be implemented:

- a) formulation and gradual implementation of a Follow-up Programme,
- b) monitoring of the use of the Project results, evaluation of the monitoring results, reporting, and
- c) formulation of proposals for the use of the Project results at the MAP level. The time frame for implementation of the above activities is defined by the Project Workplan and Timetable, presented in Section 4.

### **7.1. FOLLOW-UP ACTIVITIES**

Taking into consideration the solutions and recommendations presented by the Final Integrated Project Document, the Follow-up Proposals and the Urgent Investment Portfolio, as well as the conclusion of the Presentation Conference, the Spanish MoE will prepare a Project Follow-up Programme (Plan of Actions). PAP/RAC will provide assistance as appropriate. The Follow-up Programme will be submitted to the relevant national authorities for approval. According to the Programme (Plan of Actions), the Project results will be gradually implemented/introduced in the national practice.

### **7.2. MONITORING, EVALUATION AND REPORTING**

Spanish MoE will monitor the Project-related follow-up activities identifying and registering:

- a) the progress achieved;
- b) actions in preparation, on-going and implemented;
- c) Project results applied; and
- d) other benefits of the Project.

The process will be implemented at the Project area level, as well as on a national scale.

During the monitoring process the following aspects will be taken into consideration:

- activities implemented, their results and outputs, direct benefits, financial aspects, problems encountered, corrective actions undertaken;
- activities in preparation and/or on-going: present state, problems, actions undertaken or needed for solving them, prospective of implementing activities in preparation;
- methodologies, tools, and procedures applied by the Project: introduced or applied in national/Project area practice, problems encountered, corrective actions, expected results;

- planning initiatives/activities undertaken or in preparation;
- institutional and/or legal and/or management-related initiatives according to the proposals made by the Project;
- catalytic effect of the Project in the Project area or at the national level; and
- identification of direct, and of indirect benefits and beneficiaries of the Project.

The evaluation procedure, to be applied by the Spanish MoE, will be based on the results of the monitoring process, following the elements listed above, and taking into consideration the following:

a) evaluation of the achievements according to achievement indicators, defined in section 5.2.

b) evaluation according to the following:

- contribution to improved sustainability within the Project area, following sustainability indicators and the results of the Sustainability Analysis;
- direct and indirect benefits of the Project, and their significance;
- prospective of progress of the follow-up activities in the preparation and/or on-going;
- nature and significance of problems of a general nature and of those related to individual follow-up actions, impacts of these problems on the use of the Project results; and
- lessons learned.

PAP/RAC will provide assistance when establishing the monitoring process and evaluating the monitoring results. The results of the monitoring and evaluation process will be reported by the Spanish MoE to MAP through PAP/RAC. At the end of the reporting period, the Spanish MoE will prepare the Final Post Project Report, summarising the results achieved and benefits identified, indicating problems and lessons learned, and proposing further activities, as appropriate and needed.

### **7.3. USE OF RESULTS AT MAP LEVEL**

In order to create conditions for the use of the Project results at the MAP level, PAP/RAC will formulate Reports, including proposals for the use of the Project results at that level:

- a) after the official closure of the Project; and
- b) at the end of the post Project reporting period.

The PAP/RAC Reports will include:

- a) findings by PAP/RAC, related to:
  - results and experience of the Project, applicable at MAP level (policies, strategies, procedures, methodologies);
  - lessons learned, to be taken into account at the MAP CAMP level (related to the formulation and implementation of Projects, follow-up, use of Project activities, integration procedure, participation, etc.); and
  - results and experience to be recommended as pilot ones for solving similar problems in the region.
- b) findings extrapolated and summarised from the Half-Yearly Post Project Reports and the Final Post Project Report, and identification of results relevant for the MAP level; and
- c) proposals related to the use of the Project results at the MAP level.

Evaluating the proposals and applying or using the results at MAP level is within the competence of the MEDU and of the MCSD.