



LIFE Project Number

LIFE- ENV/000/751

PROGRESS REPORT No. 3

Covering the project activities from 28.07.2002 to 28.01.2003

Reporting Date

8/01/2003

LIFE PROJECT NAME

ICZM: Demonstration Actions in the National Marine Park of Zakynthos

Data Project

Project location	Zakynthos (Greece)
Project start date:	01/06/2001
Project end date:	31/05/2004
Total Project duration (in months)	36 months
Total budget	1619693 €
EC contribution:	719846 €
(%) of total costs	44,44 %
(%) of eligible costs	50%

Data Beneficiary

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List of Contents

Lists of (i) key-words and (ii) abbreviations (when appropriate) - glossary	2
Executive Summary	3
Project management	4
Technical development	6
Problems encountered	12
Dissemination	12
Envisioned progress	12
Financial issues	15
Progress & Planned activities (Gantt-chart)	16
Annexes	17

1. Lists of (i) key-words and (ii) abbreviations

i. Key-words

- Integrated coastal zone management
- Sustainable development
- Local initiatives
- Code of conduct (good environmental practices)
- Awareness plan - active public (local population & visitors) participation
- Accreditation & certification of economic activities
- Volunteerism

ii. Abbreviations

NMPZ	National Marine Park of Zakynthos
YPEHODE	Ministry of Environment, Physical Planning & Public Works
ICZM	Integrated Coastal Zone Management
STPS	Sea Turtle Protection Society
WWF Ellas	World Wild Fund Greece

iii. Glossary

Dimos	Municipality
Nomarhia	Prefecture

2. Executive Summary (max 1 page)

The National Marine Park of Zakynthos, Greece, is situated in the southern-most part of the island, in Laganas Bay. It is the first fully-established National Park in Greece to have integrated management status with the objective of sustainable development.

The area has suffered for a long period of time from uncontrolled human development, building up pressure on the natural ecosystem and putting in danger the local flora and fauna, especially the loggerhead sea turtles.

The project involves action towards:

- the protection of the environment within the National Marine Park of Zakynthos using 'on site' actions, limiting to the minimum any disturbance to the species and habitats;
- the promotion of the idea of integrated coastal zone management and sustainable development, through local initiatives, amongst the people who are economically active in any sector in the area;
- keeping the people living on the island aware of the values of the environment and the need for its protection through integrated management and participation;
- making sure that visitors to the area are correctly informed about the importance of natural habitats; and
- the provision of the necessary 'on site' demonstration and guidance facilities that will help both the local population and visitors participate in the active management and protection of the area.

It comprises the following six tasks:

- COLLABORATION AND INVOLVEMENT OF LOCAL STAKEHOLDERS IN ACCORDANCE TO THE NATIONAL MARINE PARK OBJECTIVES
- ENVIRONMENTAL MANAGEMENT AND PROTECTION IN THE AREA OF THE NMPZ
- UPGRADING, PROMOTION AND EXPLOITATION OF THE ENVIRONMENT ACTIONS
- INTERNATIONAL COOPERATION WITH OTHER MARINE PARKS SEEKING TRANSFER OF KNOW-HOW AND COMMON PROBLEM SOLUTIONS WITH REFERENCE TO ICZM
- PROGRAMME MANAGEMENT
- MONITORING AND EVALUATION SYSTEM OF THE MANAGEMENT AGENCY OF NMPZ

At this stage of implementation, the application of the ZANTECOAST programme in the area of Laganas Bay has contributed to:

- the safeguarding, in perpetuity, of the natural heritage and preservation of the ecological balance in the area where the programme is to be implemented, in conjunction with the development of activities that are in harmony with the conservation of nature and the landscape;
- increased participation and information of the island's inhabitants in the decision-making process for management of the coastal zone;
- increased flow of information to stakeholders and participation of professional groups such as tour operators, hoteliers, fishermen, etc.;
- the protection of the natural resources and landscape from increased disturbance and pollution resulting from lack of appropriate infrastructure and planning;
- integrated planning for the development of services, infrastructure and a monitoring programme for management of the coastal zone;
- the reduction to a minimum of the disturbance to the natural environment within the habitats of Laganas Bay (nesting beaches, sand dune system, forests, marine habitats, etc...);
- the promotion of the idea that "nature, local residents and visitors can coexist and benefit from their cooperation".

3. Project management

- *Describe what the project manager and other representatives of the beneficiary have done to organise/co-ordinate the project: meetings, seminars etc. What the partners have done.*

During the period, several meetings were held between the management board and scientific personnel of the body and the consultants (ANNEX 1). The main themes developed during these meetings were the numerous objections concerning the public tender for the Keri's Lake study (W.P. 3.4) and the general management of the programme.

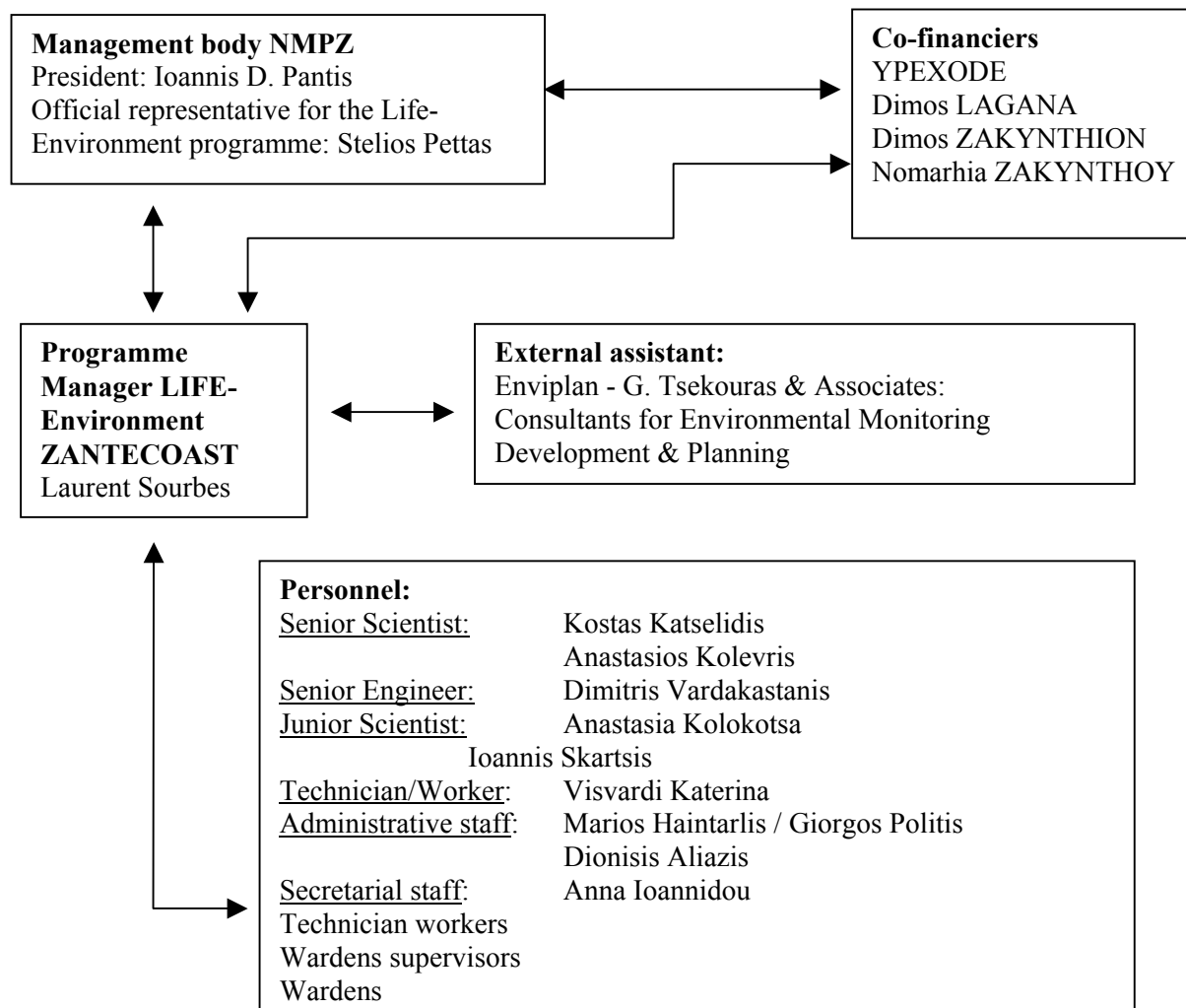
Furthermore, the following actions were undertaken:

- a. More detailed specifications and operational tasks for the operational plan for the remaining period of the programme in order to facilitate better internal coordination but also more effective monitoring of the progress of work packages;
- b. For the implementation of the W.P. 1.3 (EMAS), various aspects concerning degree of maturity, relationship between financial cost and size of business were highlighted;
- c. Within the framework of the "in-situ" monitoring of tasks progress, a two-day meeting was organised for the briefing of Dr. G. Valaoras (LIFE Environment Monitoring Team Greece), which also combined various site inspection visits in the park.
During this occasion it was also discussed and eventually decided upon to organise a common "briefing day" for all Greek LIFE Environment Programmes, of which the main theme would focus on the EMAS notion. Central issue of this being the exchange of expert Knowledge on procedures and technical issues. A contact with LIFE GALA was also materialised.
- d. Collection of data and information inputs in the Geographical Information System (GIS) and development of the monitoring and evaluation system.

- *Describe any changes in the project's management structure; partner withdrawn, replaced. Please note that the Commission also must be informed of major modifications in separate notes.*

The project is being implemented according to the initial proposal and no modifications concerning the project's management structure have occurred.

- *A clear informative organigram to be inserted.*



- *Mention what reports have been delivered since the start of the project.*
 - Preliminary Action Plan
 - Guidelines for the use of artificial lights for the protection of Loggerhead turtle *Caretta caretta*
 - Wardening - awareness Programme 2002
 - Evaluation of implementation of protection measures in the National Marine Park of Zakynthos (2001, 2002)
 - Plan generation for participation and awareness campaign
 - Specifications for the development of GIS
 - Preliminary investigation of issues to be included in the code of conduct
 - Code of good practice and endorsement for “turtle-spotting” boat owners
 - Code of good practice for Eco-tourism activities (Draft)
 - Code of Good Practice Code for Agricultural Farming and stock raising activity in the NMPZ’ area
 - First progress report (01/06/2001-30/11/2001)
 - Interim Technical & Financial Report (1/12/2001 -- 27/07/2002)
- *Indicate if any extension of the project duration is needed or envisioned (also to be included in the executive summary). Please note that a separate note asking for the prolongation with an extensive justification is required.*

Currently, there seems to be no need for an extension of the project’s duration.

4. Technical development (You can add more descriptive titles, that refers to the technical content of the project)

- *Describe what has been done regarding the different technical/substantial components of the project (such as research, fieldwork, construction). Avoid describing the objectives and targets as such. Indicate what has been done regarding each task.*

Project implementation during last semester has progressed as follows (per task analysis):

Task 1: Collaboration and involvement of local stakeholders in accordance to the National Marine Park objectives

Implemented action concerns all the work packages of the task, namely WP 1.1 “Good Environmental Practices Code”, Wp 1.2 “Collaboration scheme” and Wp 1.3 “Eco Management Audit Scheme”. More precisely, it refers to:

- Advice and awareness of stakeholders concerning the building activity and economic activities developed in the area of the NMPZ (28/07/2002—28/01/2003):
 - a) Response of NMPZ’ management agency to 19 requests by the town-planning office, concerning artificial lights use permits. No cases of inappropriate use of artificial lights in the NMPZ area were found.
 - b) Response of NMPZ’ management agency to one request for advice by a hotel owner (environmental impact assessment study).
 - c) Response of NMPZ’ management agency to 24 requests for advice by local businesses (tavernas, etc.) in order for them to obtain a functioning permit. In two cases, inappropriate activities were identified and ideas for corrective action were proposed.
 - d) The handing out (free of charge) of “Guidelines and Specifications on the use of artificial lights” to hotels and rooms to rent that wish to be environmentally friendly and to reduce the light pollution on the nesting beaches.
- Collaboration scheme with the local stakeholders involved in economical activities in the NMPZ’ area:
 - a) After the evaluation of the summer period and two meetings held at the NMPZ’ office with the “turtle-spotting” boat owners, and according to new regulations expected to be implemented in the marine area by both port police of Zakynthos and the NMPZ in 2003, some changes will be made concerning the specific guidelines and the contractual agreement with the “turtle-spotting” boat owners. In the framework of the

turtle spotting activity, even if the collaboration has been proven positive, several cases of turtle harassment were observed by visitors and NMPZ' staff during the summer period and especially in August and September. Since the cause of disturbance of the Loggerhead sea turtle is not limited to "turtle-spotting" boat owners but concerns other users as swimmers, pedalos, cruise – ships..., a global approach must be privileged. The elaboration of a plan – in cooperation with the Port Police of Zakynthos – for the regulation of boat use in the B maritime zone by the NMPZ management agency as well as the potential establishment of a seasonal Port police station in the Laganas' bay must contribute to a better enforcement of the protection measures in the maritime area and a better implementation of the code of conduct for turtle spotting activity. It is expected that 90% of the "turtle-spotting" boat owners will sign the contractual agreement with the NMPZ' management Agency.

b) The elaboration of a code of conduct for Eco-tourism activities and the organization of several meetings (7 meetings between August 2002 and January 2003) aim to the harmonization of tourism strategy adopted by all operators involved and to sustain the bio-diversity and cultural authenticity of NMPZ' protected areas. At this stage, emphasis is given to ecotourism interpretation and education (interpretation and educational information, staff training), ecological sustainability Practice (environmental planning and impact assessment, noise, air pollution, water, minimal disturbance to wildlife...), contribution to conservation (ecotourism best practices), ecotourism benefiting local communities, customer satisfaction and responsible marketing. In the framework of this cooperation specific written information was given to local Tour Operators concerning the NMPZ area in order to be included in Tour operators brochures and leaflets. Beyond the general principles, specifics codes of conducts are being elaborated that concern the sight seeing / general awareness activities, rambling activities and marine excursions (ANNEX 2).

- As mentioned on the interim report, the delay on the implementation of WP 1.3 "Eco Management Audit Scheme" should be attributed to the recent modification of the EU regulation concerning EMAS (EU reg. 761/2001) and the lack of relevant experience at the national level.

With relation to the comparatively new concept of EMAS in Greece, extreme care should be applied in order that the concept would not "backfire" in terms of its expected results upon applicability, not only in the NMPZ area but also in other cases where its application is proposed in Greece.

Some of the most sensitive issues at this stage concern firstly the capabilities of small tourism associated enterprises to quality for this and secondly their ability to bear the financial burden of such an accreditation.

In the first case, a large number of Hotels could hardly satisfy an official re-inspection of the degree of compliance of their environmental permits and the terms which they are obliged to comply with, while others -due to their small scale and low organisation characteristics- would be in extreme difficulty in carrying it out. The range of enterprise which is associated with the NMPZ and consequently the type of business is also a matter of careful consideration if one is seeking to maximize the positive effects of businesses which cooperate by being EMAS holders.

Future progress is expected at a much faster rate, as a result of the information that has been collected, especially after the seminary EMAS (Life-Environment Unit), that will be held in Athens in February 2003. A list of "retarding factors" was compiled especially in the case of tourist hotel units, but also several topics directly related to the Zakynthos case will be included in the workshop.

Task 2: Environmental management and protection in the area of the NMPZ

Action related to this task concerned all three relevant Work Packages, namely the *Marine area delineation network, Public awareness and surveillance* and the *Training and awareness of local professionals* (Wp 2.1, 2.2 & 2.3 respectively). More specifically, it included the following activities:

- WP 2.1 Marine area delineation network

Work was focused on the system of buoys. The latter was examined carefully for damages caused by vandals who cut the ropes that connect the floating parts with the anchorage system. The assessment revealed that 20 buoys were damaged and because of the high risk of losing many more buoys during the winter (due to vandalism and/or severely bad weather conditions), it was decided that all the floating parts of the system would be removed and stored appropriately onshore. This action was completed immediately after the end of the summer season.

However, the delineation of the Marine area (A, B, G) has been proven useful since it facilitated the immediate intervention of the port police in case of non-respect of the marine legislation and it provided the different users of the NMPZ' marine area (fishermen, leisure boats, cruise boats, sailing boats...) with the adequate information.

It's thus worth to note that the number of boats illegally entering into the Maritime area A during the summer season was significantly reduced (ANNEX 3).

- WP 2.2 Public awareness and surveillance

Wardening & public awareness programme

As mentioned in the interim report, five out of six nesting beaches were guarded 24 hours a day from the 1st of June until the end of September (MAP 1). The Wardening Project Manager, assisted by 3 supervisors, trained, organized and managed 32 wardens, who were hired to work during this period. Facts and figures of this year's programme are presented in the "Evaluation of implementation of protection measures" (ANNEX 3)

Building control within the Park area

As mentioned in the interim report, the NMPZ has set up a mechanism to ensure that no illegal building activities occur within the Marine Park area. Since July, the following actions have been implemented:

- Reporting to the appropriate authorities of 12 cases of illegal building activities
- Management of the database that contains records of all new buildings since the first half of 1999 (on-going process)
- Consultation in 25 cases of professional activity permits (request from Lagana's municipality).
- Issue of 19 authorisations concerning the use of artificial lights.
- Examination of an environmental impact assessment study for an hotel (request from YPEHODE).

Synergy of actions undertaken in collaboration with local authorities and central administrative services (port authority, Land Service department, and police)

The NMPZ continued the effective collaboration scheme that was recently established (see also interim report) with the central administrative services. More precisely:

- The Port Police of Zakynthos (Coast Guard) checked 410 boats and reported 10 cases in which the NMPZ regulations were violated. All of them were subsequently fined.
- The NMPZ, in cooperation with the Land Service Department of Zakynthos, carried out inspections in businesses operating on the nesting beaches. In total, for the areas of Gerakas and Kalamaki 6 sun beds operators were taken to the court and an additional 10 were fined.
- The police helped the Marine Park wardens perform their duties, especially concerning the problem of sand extraction. One person was caught illegally extracting sand from the N.M.P.Z. area and was taken to court.

Furthermore, the N.M.P.Z. participated in a co-operative venture with the Port Police and the Rubbish Disposal Service of Zakynthos as well as with several environmental organisations (WWF-Hellas, ARCHELON and MEDASSET) to carry out beach cleaning activities at the majority of all nesting beaches and the surrounding area within the N.M.P.Z., including Gerakas, Sekania, Vrondonero, Kalamaki-Laganas, Banana Beach to Porto Zorro and Vassilikos forest. There are no data on the exact quantity of rubbish collected during the last semester, however, it is estimated than more than 10,000 kilos of rubbish were collected from the nesting beaches in 2002.

Co-operation with Environmental Organisations

As described above, the NMPZ participated along with WWF-Hellas, ARCHELON and MEDASSET, in a co-operative initiative against rubbish accumulation on nesting beaches.

Furthermore, the National Marine Park of Zakynthos, in co-operation with ARCHELON – the Sea Turtle Protection Society of Greece, launched a monitoring programme for nesting activity and active nest protection of the loggerhead sea turtle *Caretta caretta*. This programme was operated by ARCHELON from the end of May 2002 until mid October 2002. ARCHELON signed an agreement with the N.M.P.Z. Management Agency to jointly conduct active nests management, monitoring and public awareness projects (ANNEX 4).

Finally, a contract was signed between the NMPZ Management Agency and the Sea Turtle Protection Society (STPS). It aims at co-ordinating action towards the monitoring of the nesting activity of the loggerhead sea turtle and the raise of public awareness in 2002.

- **WP 2.3 Training for local professionals**

Following guidance provided by the Greek Ministry of Agriculture and the Department of Agricultural Development in the Prefecture of Zakynthos, a Good Practice Code for Agricultural Farming (Cultivation of land & animal farming) was elaborated (see ANNEX 5). The Good Practice Code was considered appropriate for use in Zakynthos, after being assessed by the Department of Spatial Planning & Protection of the Environment of the Greek Ministry of Agriculture.

Task 3: Upgrading, promotion and exploitation of the environment actions

Action concerned workpackages 3.1, 3.2 & 3.4, namely the **Dissemination of information** (Wp 3.1), the **Engineering and construction actions** (Wp 3.2), the **Upgrading, promotion and exploitation actions** (Wp 3.3) and the **Promotion and exploitation actions** (Wp 3.4). More specifically, it included the following activities:

- **WP 3.1 Dissemination of information**

The following activities were carried out:

- Operation of an information centre in Zakynthos town from July to September 2002. The municipal cinema of Zakynthos was rented and was functioning as an information centre from 9.00 to 14.00 and 17.00 to 22.00 daily. A permanent photography exhibition and oral presentation facilities, including a video set showing documentaries and other visual material concerning the N.M.P.Z. were available to the public. In total, nearly 5400 people (about 3.300 of which were Greeks) visited the information centre.
- Operation of an information station at Gerakas, in co-operation with “ARCHELON” and “Earth Sea & Sky”. The information station was operated on a daily basis (9.00 to 23.00) from the end of May until the end of September.
- Operation of an information station at Laganas, in co-operation with “ARCHELON”. The information station was operated on a daily basis (9.00 to 23.00) from July to August. During September it was operated from 9.00 to 13.00.
- Daily slide shows at hotels of the Marine Park area, in co-operation with “ARCHELON”.
- Slide shows targeted at organised groups by N.M.P.Z. staff. More than 800 people attended a series of approximately 20 presentations.

The wardens of the nesting beaches had the additional task to inform the visitors about N.M.P.Z. and the protection measures. Various activities concerning the dissemination of information (eg handing out of NMPZ leaflets), were also carried out by the glass bottom boat businesses and the local tour-operators (ongoing process during the summer season).

It is estimated –according to the number of NMPZ’ leaflets distributed to visitors- that more than 80,000 visitors received information about the Marine Park, directly from the N.M.P.Z., during the 2002 period.

In an attempt to enhance active involvement of visitors in the activities of the NMPZ, a beach cleaning campaign was launched. Those who participated were mainly tourists, volunteers of the environmental organisations acting in the NMPZ area and scouts. More precisely, during July and August, 5 cleaning sessions were carried out, in Kalamaki, Gerakas & Vassilikos, with the participation of local scouts, as well as of scouts from Athens (Kifissia branch) and France.

In the framework of the NMPZ’ management agency collaborative scheme with the local tour-operators, two main actions were undertaken concerning the dissemination of information. At first, written information

about the NMPZ' activities was given to local tour-operators in order to be included in their brochures and leaflets as well as in foreign major tour-operators.

Opportunity was also given to the NMPZ' management agency to participate in several major tourism exhibition such as in Thessaloniki (Xenia, 31/10-3/11/2002), in England (London, world travel market 11/11—14/11/2002), in Holland (Utrecht, Vankantiebers, 7/01—12/01/2003) and in Austria (Vienna, Ferien, 16/01—19/01/2003). The participation in these exhibitions was the result of a co-operation between the NMPZ, the Ionian Islands region, the Zakynthos prefecture and the Zakynthinian association of tourism agencies. Exhibition material produced in the framework of the Life – environment programme was used in Thessaloniki (Greece) and Utrecht (Holland). Furthermore, one member of the NMPZ' staff, I. Skartsis, provided visitors with information about the NMPZ at the exhibition held in Utrecht (Holland).

Last, additional information concerning implementation progress are available at the programme's website (<http://www.nmp-zak.org/life/LifeEnv/>).

- WP 3.2 Engineering, construction and other upgrading actions

Action refers to the acquisition of exhibition equipment like stands, panels, etc. The equipment facilitated dissemination of information and was used in the presentations that took place in the municipal cinema, as well as in numerous hotels in the Marine Park area.

- WP 3.4 Promotion and exploitation actions

As mentioned in the interim report, the public tender procedure for the study for the management of the coastal wetland of Keri was initiated on the 22nd of April 2002 (first publication on the bulletin of the Technical Chamber of Greece, as well as on national and local papers). As a result of an objection raised by one of the participants, the whole procedure had to go back to the initial stage (tender publication) and new public tender procedure was initiated on the 5th August 2002 (NMPZ' Management body decision 57_2/07/2002). Following the evaluation of consultancies, decision was taken by the NMPZ' management body (122_22/11/2002) to contract with one of the three participants. On the 5th and 12th December 2002, two participants raised objections. On 20th December 2002, the NMPZ' management body agreed that one of the two objections should be sustained because the selected participant was employed as a consultant at the Ministry for the Environment, Physical planning and Public Works (YPEHODE) at the time of the tender procedure and when the NMPZ' management body took decision. According to the Greek National Law, there is an incompatibility between the undertaking of public tender as a consultancy and the employment in a central administrative service. It's also worth to note that the Organisation of the NMPZ is supervised by the YPEHODE, the same ministry that the one where the candidate is working. The final decision (131_20/12/2002) of the NMPZ' Management body was to repeal its previous decision and to select the second consultancy A. Parasevopoulou and A. Papara, according to the sorting of the candidates' evaluation. On the 20th January 2003, a new objection was raised by the consultancy whom the tender was cancelled. Because the opinion of the Consultative Council for Studies is pending, it is expected that the study for the management of the coastal wetland of Keri will begin in the second half of February.

Task 4: International cooperation with other Marine Parks seeking transfer of know-how and common problem solutions with reference to ICZM

Work concerning task 4, is related to N.M.P.Z.'s membership in the EUROPARC Federation and to its co-operation with other international NGOs (i.e. the Bellagium Forum, Euronature, Ecologic). It is an on-going process that includes exchange of experiences and ideas for problem solving, drafting of project proposals for joint action, networking and coalition building (concerning participation in future projects).

Furthermore, members of the NMPZ's staff participated in two international congresses, held in Egypt and in Spain. More specifically, the Programme Manager of ZANTECOAST (Mr Laurent Sourbes) took part in a congress held in Egypt on October 2002 concerning the protected areas and sustainable development (ANNEX 6 -7). On November 2002, the NMPZ Management Agency was invited to participate in a congress that was held in Spain and concerned the principles of governance with main theme the protected areas and

institutions in the Mediterranean region. In both papers submitted to the conferences, the contribution of the Life financial instrument of the European Union was mentioned.

Task 5: Programme management of the whole management project

Action concerned two of the three Work Packages of this task, namely the **Programme planning finalisation** (Wp 5.1) and the **Management tasks (Progress reports and meeting preparation)** (Wp 5.2). More specifically, it included the following activities:

- **WP 5.1 Programme planning finalisation**
- **WP 5.2 Management tasks**

A contract was signed with the Programme management consultant (ENVIPLAN G.Tsekouras & Associates). In the framework of the co-operation between the programme management consultant and the NMPZ management agency staff, the main themes developed were the completion of pending actions (namely the EMAS implementation and Keri Lake Study), the preparation of the third progress report and a general evaluation of the whole programmer implementation.

A brief description of the contribution of the Programme management consultant is as follows:

- content formulation, procedures and legalities of procurement and contracts regarding external services offer, supplementary studies etc;
- collection of information on the concept of EMAS, step by step description of the process, preliminary contacts with the National Committee for EMAS implementation, as well as with consultancy firms specialised in the application of the concept. An analysis of the most critical points to be taken into account before adoption (relationship of cost to type and size of enterprises) - selection criteria for the most appropriate cases is pending;
- currently, they are evaluating possible ways for the maximisation of the effectiveness of the enlightenment campaign;
- advice upon the drafting of the technical and financial progress and interim reports.

Task 6: Monitoring and evaluation system of the management agency of NMPZ

The following activities have been implemented so far:

- The development of a Geographic Information System (on-going process).
- Processing of maps that present the activities developed in the area of NMPZ (on going-process).

- *Compare the progress made with the established time schedule*

Actual output is in line with planned progress. However, emphasis must be given to the aforementioned actions (WP 1.3 EMAS and WP 3.4 Keri's Lake study) in order to respect the planned time schedule.

5. Problems encountered

- *Problems or difficulties encountered or foreseen and their implications for future actions. They may be technical (equipment delivery is delayed, construction of infrastructure takes longer than anticipated), financial (the costs are not likely to correspond with the budgeted amounts) or organisational (role of partners are changing).*
- *If the project seems likely to become/stay behind schedule, please indicate this clearly. The beneficiary must signal, in a separate note to the Commission, changes to the baseline implementation programme (or subsequently updated versions).*

The following problems were encountered:

Eco Management Audit Scheme

The public tender for the implementation of Eco Management Scheme was expected to be completed by September 2002. However, since the experience about EMAS implementation in Greece is limited and in order to clarify different pending questions directly linked to the specificities of tourism enterprises operating in the area of the NMPZ' area (cost benefit analysis for small sized companies, enterprises operating in different sites, minimum requirements for environmental review and criteria in accordance with legal framework of the NMPZ....) it was decided to postpone the public tender procedure.

Damages to the system of buoys

The activity of vandals who cut the ropes that connect the buoys to the anchorage system, resulted in the loss of more than 20 buoys and the stressed the need to remove all the floating parts of the system in order to prevent future damages. The buoys that were collected have been stored appropriately onshore. They will have to be placed back to their initial position (offshore) before the beginning of the 2003 summer season.

Pending delineation of seashore zone and land ownership data

The lack of official plan containing the statutory limits of the "seashore zone", in combination with the lack of an official cadastral plan accentuates the problems of implementation of the NMPZ' regulations.

Keri lake study

Several objections to the public tender procedure – first initiated in April 2002 - kept down the normal implementation of this action. As mentioned above (WP 3.4) it is expected that the study will begin in February 2003.

6. Dissemination

- *Activities which have given publicity to the project; like seminars, newspaper (local, popular, national) articles, scientific articles, presentations, radio and TV broadcasts. Remember that an overall objective of the LIFE programme is demonstration, i.e. informing about the project and its results so that others can benefit from the experience gained with EU support.*

Information concerning dissemination activities is presented in paragraph 4, Task 3, Work Package 3.1 "Dissemination of Information".

7. Envisioned progress up to 30.06.2003 (next 6 months)

- *What will be done during next 4...7 months, i.e. up to the next progress report. Describe the development of different tasks or entities and envision the milestones to be achieved; interim report, all field work finished, infrastructure construction finished etc.*

Activities that are planned to be implemented in the next semester are presented below on a Work Package basis:

WP 1.1 Good Environmental Practice Code

- Design of manuals layout

- Evaluation of the effectiveness of the application of the codes of conduct
- Completion of Code of conduct for eco-tourism based activities
- Leaflet for Loggerhead sea turtle observation

WP 1.2 Collaboration scheme

- Preparation of a memorandum of co-operation with the professional divers
- Amendments to the memorandum of co-operation with the “turtle spotting” tour operators
- Finalisation of the agreement of co-operation with the boat owners. Completion of this action depends on progress made to the pending amendments in the legal framework concerning the Marine Park area.
- Training / awareness session for Tour operators representatives

WP 1.3 Eco Management Audit Scheme

- Completion of the registration of key-features of the businesses operating within the NMPZ area
- Categorisation based upon selection criteria relating to parameters such as importance of site location, size and type of activity, degree of organisation and critical periods of operation etc.
- Proactive and preparative meetings with entrepreneurs
- Drafting of procurement and technical appendices / proclamation procedure
- Public tender for EMAS implementation

WP 2.1 Marine area delineation network

- Re-installation of the system of buoys.

WP 2.2 Public Awareness and surveillance

- Planning of infrastructure works (eg. crossbars limiting access to the nesting beaches, etc.). This action is closely related to the preparation of the NMPZ Operational Plan, due to be completed in the next semester.
- Wardening and public awareness action plan 2003
- Maintenance – complementary acquisition of infrastructure works and equipment (Warden huts, boat....)
- Training of wardens

WP 2.3 Training and awareness of local professionals

- Design of the layout of the Good Practice Code for Agricultural Farming
- Meetings with farmers
- Training of local fishermen

WP 3.1 Dissemination of information

- Evaluation of existing promotion and information material
- Design of leaflet layout and printing: Life-Environment programme ZANTECOAST
- Design of leaflet layout and printing: Protection measures in the NMPZ’ marine area
- Participation in international tourism exhibitions
- Programme design and organisation procedures for cooperation with NGO's, tour operators and agencies, cooperatives etc) for the promotion of information material for summer 2003
- Eco-guides training
- Operation of one info centre and info kiosks
- Public awareness sessions / participation programmes (slide shows presentation, eco-guiding, beach cleaning sessions...)

WP 3.2 Engineering and construction actions

- List for necessary tasks and activities regarding maintenance

- Planning and implementation of complementary infrastructure works (info centre, info kiosk, panels). This action is closely related to the preparation of the NMPZ Operational Plan, due to be completed in the next semester.

WP 3.3 Upgrading, promotion and exploitation actions

- Additions and improvements to basic information material
- Design of an interactive game
- Installation of interactive computers

WP 3.4 Promotion and exploitation actions

- Beginning and completion of the Keri's Lake study

WP 4.1 International co-operation

- Memorandum of co-operation with a National Marine Park
- Participation to international conference

WP 5.2 Management tasks

- Evaluation criteria for assessment of the programme's implementation
- Drafting of strategic and methodological parameters for the integrated management of coastal areas adaptation to the case study of the marine park
- Preparation of the forth progress report
- Technical meetings with the external assistant ENVIPLAN

WP 6.1 Evaluation system and planning tool

- Creation of thematic maps presenting the activities of the NMPZ. Maps will be created with data from the Geographical Information System.

8. Financial issues

PROJECT COSTS INCURRED

	Cost category	Total cost according to the Commission's decision*	Costs incurred from the start date to 28.01.2003	%**
1.	Personnel	868893	550798	63,39%
2.	Travel	44750	10669	23,84%
3.	Outside assistance	292050	81032	27,75%
4.	Durables: total <u>non-depreciated</u> cost	270000	60918	22,56%
	- <i>Infrastructure sub-tot.</i>	<i>180000</i>	34715	19,29%
	- <i>Equipment sub-tot.</i>	<i>90000</i>	26203	29,11%
	- <i>Prototypes sub-tot.</i>			
5.	Consumables	40000	15796	39,49%
6.	Other costs	29000	6512	22,45%
7.	Overheads	75000	26785	35,71%
	SUM TOTAL	1619693	752511	46,46%

*) If the Commission has officially approved a budget modification indicate the breakdown of the revised budget

**) Calculate the percentages by budget lines: How many % of the budgeted personnel costs are incurred by xx.xx.xxxx

- *Comment on the budget posts, particularly discrepancies (for example why 80% of one post is spent although the overall level is 30% of the budget spent) and indicate if any budget modification is expected.*

A small discrepancy is observed concerning the durable goods and external services posts, in regard of the actual over planned cost. This discrepancy should be corrected through the completion of pending public tender procedures and through the acquisition of the planned complementary infrastructure and equipment for public awareness.

- *If before interim payment, indicate when the 40 % threshold value of eligible costs is expected to be reached.*

The interim report was accepted by the Commission on 2/12/2002 (D5/3577).

9. Progress and planned activities (Gantt-chart)

Table 1. Implementation Progress (Gantt-chart)

LIFE00 ENV/GR/000751		ZANTECOAST															
		ICZM: Demonstration Actions in the National Marine Park of Zakynthos															
Tasks		2001			2002				2003				2004				
		2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	
Collaboration and involvement of stakeholders																	
Good Environmental Practices Code	Baseline	.	...	...	...	..						
	actual		xxx	xxx	xxx	xxx	xxx	xxx									
Collaboration scheme	Baseline			.	...	...	...	...	...	...	...	...	...	..
	actual			x	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			
Eco-management audit	Baseline			.	...	...	...	...	...	...	...	...	...	..
	actual				xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			
Environmental Management and Protection																	
Marine area delineation	Baseline	.	...	...	...	...	...	...	...	...	...	...	...	..
	actual		xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			
Public awareness & surveillance	Baseline	.	...	...	...	...	...	...	...	...	...	...	...	..
	actual	x	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			
Training & awareness of local professionals	Baseline	.	...	...	...	...	...	...	...	...	...	...	...	..
	actual		xx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			
Upgrading, Promotion & Exploitation actions																	
Dissemination of information	Baseline	.	...	...	...	...	...	...	...	...	...	...	...	..
	actual	x	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			
Engineering & construction actions	Baseline	.	...	...	...	...	...	...	...	...	...	...	...	..
	actual	x	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			
Upgrading, Promotion & Exploitation actions	Baseline	.	...	...	...	...	...	...	...	..
	actual	x	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx							
Promotion & Exploitation actions	Baseline	.	...	...	...	...	...	...		
	actual	x	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx							
International cooperation	Baseline	.	...	...	...	...	...	...	...	...	...	...	...	..
	actual		xx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			
Programme Management																	
Programme planning finalisation	Baseline	.	...	..										
	actual	x	xxx	xx													
Management tasks	Baseline	.	...	...	...	...	...	...	...	...	...	...	...	...
	actual	x	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx			
Final technical & financial report	Baseline												.	...	..
	actual												x	xxx	xx		
Monitoring & evaluation system (G.I.S.)	Baseline	.	...	...	...	...	...	...	...	...	...	...	...	..
	actual		x	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx			

..... Initially Planned progress
xxx xxx Actual (& expected) Progress

10. Annexes

- **Maps, drawings, technical designs, technical memos etc. as appropriate.** Make a reference to the annexes in report text. In case the annexes are presented in local language a summary (titles, headings, map keys etc) in English should be included, either in the report text or in the annexes

List of Annexes

MAP: Demonstration actions in the National Marine Park of Zakynthos (2001-2002)

Annex 1: Minutes of the technical meetings held in the framework of the Life-Environment project management.

Annex 2: Code of good practice for Tour- operators operating in the NMPZ' area

Annex 3: Evaluation on implementation of protection measures in the National Marine Park of Zakynthos in 2002

Annex 4: Co-operation with Environmental organizations: Contract about the monitoring activity and raise of public awareness with the NGO Archelon (STPS) for the year 2002.

Annex 5: Code of good practice for Agricultural farming in the NMPZ' area.

Annex 6: Article for international congress held in Egypt (October 2002)

Annex 7: Article for international congress held in Spain (November 2002)