


	Project title		Integrated Management of the Messolonghi Wetlands & Sea Lagoon					
Name of legal entity	Country	Overall project value (EUR)	Proportion carried out by candidate (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partner(s) [if any]
EPSILON	GREECE	71.000,00	70 %	12	Ministry of the Environment	European Commission DG-ENV	07/1996 - 07/2003	NTUA (GR), TUM (D) PbS (D)
Detailed description of project						Type of services provided		
 <p>The Wetlands of Messolonghi, W. Greece</p> <p>The European Commission Wetlands programme supported via the Structural Funds the Ministry of the Environment of Greece, via a contact in the delineation of the Messolonghi-Etoliko wetlands and sea lagoon protection project.</p> <p>The study involved an analysis of all environmental parameters of the major Aitoliko-Messolonghi area, including the physical, biotic, socio and economic environments of the wetland and sea lagoon complex. The region is of great significance, as it comprises of sensitive ecosystems under human pressure that continuously evolve. The conducted Management Plan included:</p> <ul style="list-style-type: none"> • Delineation of ecologically sensitive areas, utilizing field work and digitisation linked to a GIS • Analysis and determination of management zones, including land use analyses via remote sensing and analyses based on environmental importance/interest criteria for each zone • Development of large relational ecologic database, containing information such as bird distribution, vegetation types, endemic species, mammals, reptiles and <ul style="list-style-type: none"> • Performance of a series of mathematical simulations aiming at estimating the hydrodynamic circulation of pollution runoff, the water quality and the regional water regime and other variables governing the natural system • Socio-economic analyses related to the tertiary sector of the area, including mild industrial production, fisheries and silvi cultural production and forestry. The analysis investigated eco-tourism and social training of the local population • Registered and cross correlation of the information with national databases for quality control of the data while deriving non available parameters • Adaptation of a multi-criterion decision making mathematical analysis aimed to wait conflicting objects as resulting between agriculture (max water use and agricultural income), lagoon water quality (minimal runoff of chemicals, maximum fisheries), and other environmental components • Drafting of the legislation related to the lagoon protection, including the release a draft text for release to the official national gazette, for the delineation of the area, a national park, subject to human mild development activities • Project dissemination, and coordination of the activities assumed with the European Commission and the EEA • Technology cross-fertilisation with Italian (e.g., Abruzzo Park) and Spanish organisations (e.g., Hose Maria Blank, Doniana Park, Seville) • Lecturing of specialised techniques at the National technical university of Athens • Publications in international journals • Ministry support for a period extending project obligations. 						<p><u>Services-Deliverables</u></p> <ul style="list-style-type: none"> • Mapping of the region • Field work and collection of eco-data • Development of a GIS system • Conductance of mathematical simulations • Drafting of a Regional master plan • Conductance of training • Drafting of a Regulatory Plan • Conductance of a Dissemination programme <p><u>Achievements-Innovation</u></p> <ul style="list-style-type: none"> • GIS technologies • Master Plan subject to Regulatory approval • Drafting of Legal National Gazette Draft Law • Lecturing of the Plan at the NTUA <p><u>Key Words</u></p> <p>Wetlands, ecosystems, Natura2000, Greece, EE, master plan, modelling, Messolonghi, Doniana, Abruzzo, environmental impacts, master plan.</p>		