

	Project title		Study for the Biological Treatment – Drainage of the Municipality of Elafonisos					
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	134.912,00	16,98 %	5	Municipality of Elafonisos Department: T.Y.D.K. of Laconia	Municipality of Elafonisos Department: T.Y.D.K. of Laconia	03/2010 - Ongoing	D. GOULIAMOS/ K. ANDREOU / A. FOUNTA / TH. ZOYLIAS / E. KARRAS (EPSILON)
Detailed description of project						Type of services provided		
 The aim of the study was the environmental authorisation of works of sanitation and wastewater treatment plant of the Municipality of Elafonisos. The study relates to the sewage networks of Elafonisos, the wastewater treatment plant and the wastewater disposal pipeline. As part of the study, 4 scenarios were examined, that do not differ in the layout of the sewage network, but only in the waste water treatment plant location. Between the 4 scenarios examined, the fourth was selected as despite the increased construction and operating costs it has less environmental impacts. Key benefits of the 4th scenario, are the remoteness of the location of the treatment plant from the settlement of Elafonisos, the social acceptance and the fact that the expected impact on the fragile ecosystem is low scaled and largely reversible after being located in an already degraded environment area that was previously used as Uncontrolled Waste Disposal Site. The present study, ensures rational and effective management of municipal waste in the settlement of Elafonisos, eliminating problems derived from uncontrolled disposal of wastewater and at the same time upgrades and improves the quality of life of residents and the protection of the natural environment with significant positive effects on the ecosystem of the protected area of Natura 2000 network (GR 2540002). Moreover, the construction of the waste water treatment plan meets national targets under the Directive 91/271 (JMD 5673/400/1997, as amended by JMD 19661/1982/1999, supplemented with JMD 48392/939 / 2002).						• Mapping of the region • Integrated management of the region • Field work and collection of data • Conductance of mathematical simulations • Satellite applications • Landcover classification • Biodiversity reports • Communication with relevant stakeholders and institutions • Conductance of a Dissemination programme		