


## 6 EXPERIENCE

<b>Acronym:</b> PRESPA <b>Project No:</b> C-8700-EC-PRESPA		<b>Project Title:</b> INTEGRATED MANAGEMENT OF THE MIKRI PRESPA RIVER BASIN						
Name of legal entity	Country	Overall project value [in Million €]	% carried out by EPSILON	No. of staff provided	Name of Client	Origin of Funding	Dates [start/end]	Name of partner(s) [if any]
EPSILON	GREECE	0,8	50 %	10	Ministry of the National Economy	European Commission DG-ENV	01.01.1997 30.12.2001	EPSILON (GR) NTUA (GR)
<b>Project Description</b>						<b>Type of Services Provided [Outlined]</b>		
 <p>Lake Mikri Prespa covers an area of 53km<sup>2</sup> (48km<sup>2</sup> are under Greek jurisdiction and 5km<sup>2</sup> under Albanian). The catchment of Mikri Prespa covers an area of 207km<sup>2</sup>. The operation of the man-made activities and of the irrigation network, in the existing regime, is estimated to reduce the water level of the lake 9,5cm per irrigation period. The impacts of the project on the quality of the lake water have been assessed, according to the following scenarios: network improvement, network reformation, network abolition, basin re-management.</p> <p>This project aimed at (i) cataloguing and documenting the basin status of Mikri Prespa (environment, social environment, economic environment, administrative environment. An emphasis is placed into the physical biotic and biotic environments) and (ii) producing a water and agricultural management plan up to year 2015. The Plan considered two strong components: the environment and the social-economic.</p> <p>Following the cataloguing of the environmental components, a detailed mathematical modelling task has been assumed. Modelling considered: the runoff from the river basin into the lake, the agricultural practices related to the operation and pollution of the irrigation scheme, the water quality of the lake, parts of the diversity as is the nitrification of the coastal environment and its species (e.g., coastal reeds). The modeling indicated: Management practices, technologies for the improvement of the lake water quality and reformation of the network while upgrading the lake environment and the wetlands, a series of Mitigation measures related to the: Improvement of the soils, improvement of the irrigation network and its management plan, creation of experimental network for monitoring, application of reeds- management scheme, conservation of wet fields, a monitoring programme, for measuring environmental quality variables and bio indicators, in the network area, planning for a landfill, cattle-raising/fishing/fishery unit operation practices, practises of drainage lakeside zones, and a biodiversity plan.</p>						<p><b>Services-Deliverables</b></p> <ul style="list-style-type: none"> <li>• Management Plan</li> <li>• Prespa environment mapping</li> <li>• Modelling of the Prespa basin</li> </ul> <p><b>Achievements-Innovation</b></p> <ul style="list-style-type: none"> <li>• Modelling of lake life (400 years)</li> <li>• Hierarchical analysis of biodiversity</li> <li>• Production of text for the national Gazette on the Mikri Prespa Lake &amp; Basin Management</li> </ul> <p><b>Key Words</b></p> <ul style="list-style-type: none"> <li>• Prespa, environment, management, biodiversity, ecosystems, irrigation scheme, European Commission, Albania, FYROM, resources protection, economics, administration.</li> </ul> <p><b>For Information:</b></p> <p>Mrs Despina KALLIDROMITOU, DR. Marc BONAZOUNTAS        ☎ +30-210-6898610 📠 +30-210-6842420        ✉ <a href="mailto:central@epsilon.gr">central@epsilon.gr</a> 🌐 <a href="http://www.epsilon.gr">www.epsilon.gr</a></p>		

**EPSILON Group:** Monemvasias 27, GR-15125 Marousi, Greece; Tel.:+30-2106898610, Fax:+30-2106842420