


Ref no.	Project title		RIVER BASIN MANAGEMENT REHABILITATION DAMAGE STUDIES OF FIRE-RAVAGED AREAS OF THE PELOPONNESE REGION					
	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]
	Greece	839.612,00€	12,60% 125.900,00€	3	Region of Peloponnese	Region of Peloponnese	Jul 2008- Jul 2009	EXANTAS E.E., ETAIREIA TEXNIKON MELETON ANAPTYXIS S.A., D. VAINALIS, E. KOLAITI, NERCO – N. CHLYCAS SA.
	Detailed description of project						Type of services provided	
<p>The project examined the application of different hydraulic scenarios for the <b>flood forecasting and water management for the watersheds</b> of the areas Filia, Charadros, Dessylas, Siamos, Xerillas in the Region of Peloponnese. In the frame of this project and in order to estimate an integrated management of the water regime of the above mentioned areas a detailed hydrological study has been accomplished. More specifically, the study includes estimates for flood control analysis of the rivers and water best management practices taking into account parameters such as meteorology, precipitation, drainage etc.</p> <p>In addition several mathematical models have been applied to estimate hydraulic characteristics in several sections of the rivers. Such models were HEC-RAS and the GIS based model of DHI MIKE 11.</p> <p>This effort led to: an economic re-evaluation of the surface and ground water resources; the protection against exhaustion and degradation of the surface and ground waters; the prevention and flood control measures against water destructive actions; and the prevention of accidental pollution in order to meet its individual, social, public and different nature requirements.</p>						<p><u>Services-Deliverables</u></p> <ul style="list-style-type: none"> <li>▪ Integrated management of the region.</li> <li>▪ Coupling between the overland flow model and the flood <b>river</b> models</li> <li>▪ Integrated package of <b>hydraulic</b> models, set-up on PC, for predicting flood propagation, flood impacts and preparing rescue actions in the RRD</li> <li>▪ Developing a logical basis for water resource management</li> <li>▪ Assessing and implementing proposals for the planning, design and implementation of modern water resources management with the implementation of MIKE11 hydrology module</li> <li>▪ Tender documentation</li> </ul> <p><u>Key Words</u> River basin, Peloponnese Region, Filia, Charadros, Dessylas, Siamos, Xerillas, scenarios, flood rooting, modelling, MIKE 11, environment, integrated management, mapping, hydrological data &amp; simulation, hydraulic simulation, mathematical models, flood control measures</p> <p><u>Reference</u> D. Kallidromitou</p>		
