
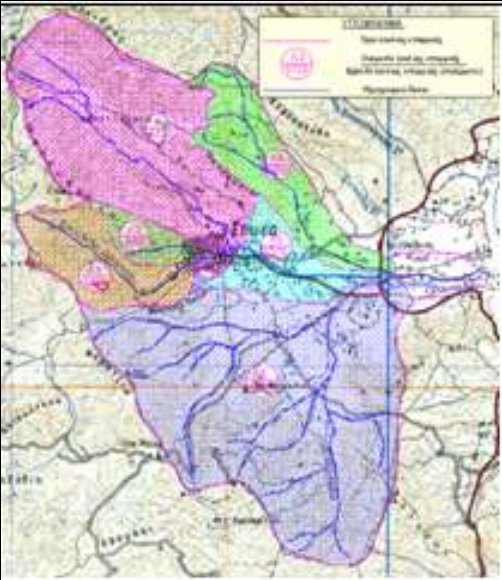


Ref no.	Project title		River Basin Management Of watersheds; Northern Greece					
	Country	Overall project value (€)	Proportion carried out by EPSILON (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partner(s) [if any]
	Greece	324058,65 €	77,52% 251.215,32 €	7	Ministry of Environment and Public Works	EC	Feb 1998 Dec 2009	K. DANIHLIDIS KONSTANTINIDIS LTD OFFICE – POLYLAIN S.A.
Detailed description of project						Type of services provided		
 <p>The project delivered applications of hydraulic scenarios for flood forecasting and water management for the watersheds (areas) megalo monastiri, mirko peribolaki, velestino, and skopelos in the Region of Thessalia, Fourka, sikia in the Region of Macedonia, and Thasos. In the frame of this project an estimation of the water balance for the major tributaries of the Pinios rivers: Titarisios, Portaikos, Pamisos, Sofaditis rivers in the area of Thessalia has been conducted.</p> <p>As part of the integrated management and the understanding of the water regime of the above areas, a detailed hydrological study has been accomplished. The analyses included estimates for flood control linked to the rivers and best water management practices considering parameters such as meteorology, precipitation, drainage, land-use, ecosystems services, etc. A detailed modelling effort has been accomplished with the models HEC-RAS, SESOIL, DHI MIKE 11 and other. The entire system has been reported in ESRI/ArcGIS.</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>Services-Deliverables</p> <ul style="list-style-type: none"> Mapping of the area (resources, social, economic) Integrated management of the water resources of the region. Coupling between the overland flow model and the flood river models Use of integrated package of hydraulic models, set-up on PC, for predicting flood propagation, flood impacts and preparing rescue actions in the RRD Developing a systems analysis for water resources management Assessing and implementing proposals for the planning, design and implementation of modern water resources management with the implementation of MIKE11 hydrology module Environmental Impact Assesments Assisted Ministry in public hearings <p>Key Words River basin, scenarios, flood rooting, modelling, environment, integrated management, mapping, hydrological data & simulation, hydraulic simulation, mathematical models</p> <p>Reference D. Kallidromitou & M. Bonazountas</p>		