


Ref no:	Project title		TAXIARCHIS – VRASTAMON NATURA2000 FOREST: DESIGN, DEVELOPMENT AND OPERATION OF A NATURAL DISASTERS FROM FIRES PREVENTION AND MONITORING SYSTEM, PREFECTURE OF CHALKIDIKI, GREECE					
	Country	Overall contract value (€)	Proportion carried out by legal entity (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of consortium members, if any
	Greece	153.745,00	31,50%	3	FOREST INSPECTION OF POLYGYROS	FOREST INSPECTION POLYGYROS	01/01/2007 31/12/2008	I. GALANOS A. MPALTZH
Detailed description of project						Type and scope of services provided		
<p>The overall objective of the project was the design and development of a Geographic Information System for the prevention and monitoring of natural disasters that derived from forest fires of the Natura 2000 Taxiarchis-Vrastamon Forest, N. Greece.</p> <p>Under the project, among Epsilon tasks was the creation of a database, with data concerning forest fires (vegetation, topography, networks etc), production of thematic maps and the development of a Geographic Information System that has the potential of particular analysis of available data relating to the fire in order to bring out the importance and the spatial dimension of the problem and the support to systematic planning for prevention, early intervention and effective suppression. All actions were in agreement with the CITES convention.</p> <p>In total seventy two (72) layers were created, using the ARCGIS v.9.2 software, organized in the structure of a spatial database (Geodatabase) with appropriate classes and subclasses and a basic cartographic background of nineteen (19) thematic maps in a scale of 1:15.000. These thematic maps are related with significant environmental and fire parameters that are described in the respective layers.</p> <div data-bbox="129 1045 477 1358"> </div> <div data-bbox="120 1358 439 1390">Risk - Structural Risk Map</div> <div data-bbox="535 1045 884 1358"> </div> <div data-bbox="528 1358 654 1390">Fuel Map</div> <div data-bbox="945 1045 1292 1358"> </div> <div data-bbox="940 1358 1182 1390">Topographical Map</div>						<ul style="list-style-type: none"> Nature & land-use surveying of the area Production of fuel maps of the forest (assessment of the available biomass supply potential in the area included). Preparatory information delivery to stakeholders on NATURA 2000 and related EU Directives. Biodiversity inventory and mapping, field surveys for taxonomic groups, habitat types and on species Development of a tool that records and monitors the effects of a fire in the natural environment. Production of thematic maps. Drafting of tender documentation for the necessary equipment and software concerning the operation of Geographic Information System. Development of a Geographic Information System for recording and evaluation of fire historic on the assessment of risk indicators regarding the beginning and spread of fire, the flammability of vegetation, the meteorological parameters affecting the inception and progression of the fire, the characteristics of a potential fire (spread rate, heat intensity, etc.) in relation to the effects of all these parameters on the natural environment. Development of annual/seasonal monitoring plan. 		