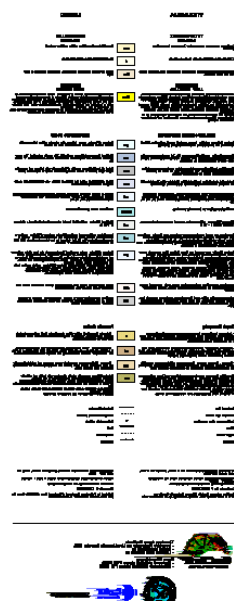
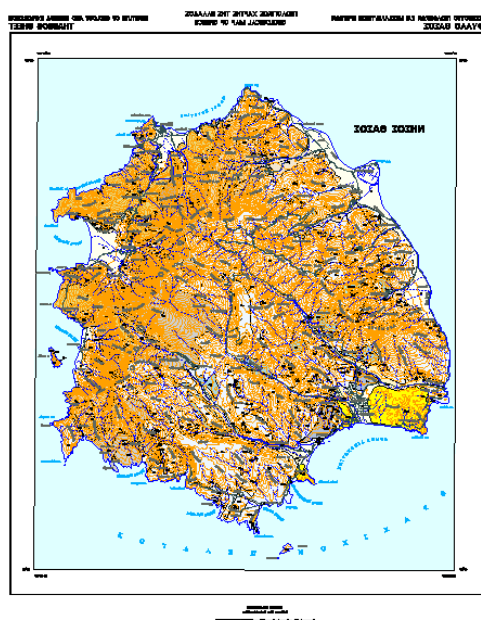




Hellenic Geology & Mineral Information GIS System

Country	Contract value (€)	% carried out by Epsilon	No of staff provided	Client	Origin of funding	Date (start/end)	Consortium Members
Greece	900.000	30% 270.000	12	Ministry of the Industry, GR	EC Ministry of the Industry (GR)	01.01.1995 30.12.2004	2 Partners

Description of the project



GeoCharta is the National Geology GIS System produced by EPSILON in association with Marathon Data Corp., and the National Geology Institute of Greece. It involves the construction of a seamless digital GIS database and the production of digital maps that are related to different geological fields and can be disaggregated into several thematic layers. It is characterised by high functionality, flexibility and reliability, based on the prospect of the successful communication with the user. GeoCharta was initiated as applied research and is today a commercial product in scale 1:50.000. Geocharta delivers forty thematic layers from 30 selective areas of the country, mainly Macedonia-Thrace. Geocharta delivers an integrated marketing system and a disposition framework of marketable products for both the domestic and the international market. During project execution which lasted 3 years we developed –in addition to the GIS with harmonised data and meta data structures-- the elements of the marketing system were (Study and the strategic

marketing framework, Cooperation and product exploitation contract among the companies for marketing and disposition, Completion of a geological atlas with the contents of the project) and the elements of the disposition framework (marketable products) as CD-ROM products, selected printed list maps and web applications. Infrastructure for propagation and GIS data transfer locally in Greece and internationally by internet means.

Services provided

- Designed of the National Geology GIS-Database.
- The first product of this nature in Greece.
- Technology Transfer to other projects.
- Set standards of operations and commercialisation
- Extended the project to be funded by the EC in the effort to completing the geology of Greece in GIS.

Deliverables

- Developed ArcGIS technologies in geology.
- Developed 40 thematic layers for 30+regions.
- Provided CD-ROM and web based commercial system.
- Created a geological database for Greece in a scale of 1:50.000
- Created forty maps of selective areas of the country, mainly Macedonia-Thrace, in digital GIS format, with thematic layers as well as other selected thematic layers in printed format.
- Reinforced IGME activities by means of the selective commercial disposition of the produced digital geological and mineral data in Greece and abroad.
- Reinforced the research and technological activity of IGME in the fields of digital data input (GIS) technologies, data processing and utilization that are related to the research activities of the institute, so that the research process would be updated and upgraded.