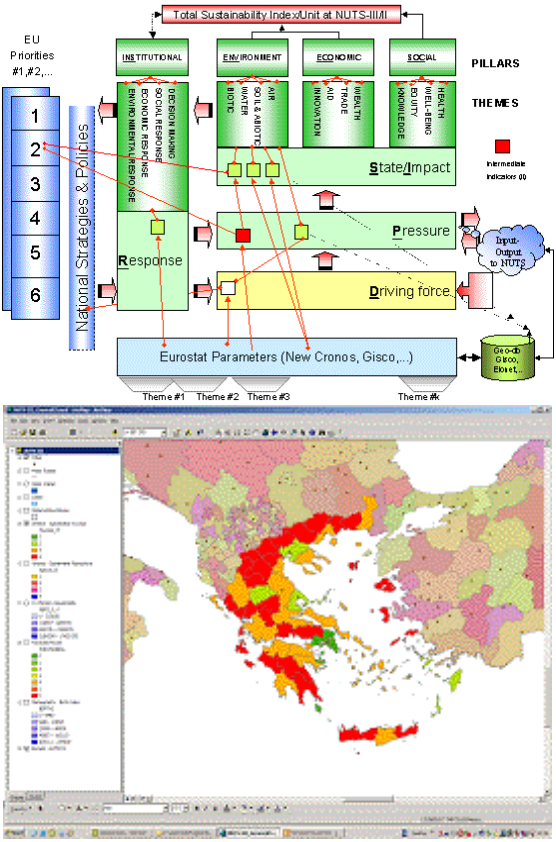


6 EXPERIENCE

Acronym: EPSILON		Project Title: ENVIRONMENTAL POLICY VIA SUSTAINABILITY INDICATORS AT EUROPEAN-WIDE NUTS II/III LEVELS						
Project No: IST-2001-32389								
Name of legal entity	Country	Project value [Million €]	% carried out by EPSILON	No. of staff provided	Name of Client	Origin of Funding	Dates [start/end]	Name of partners
EPSILON	GREECE	2,6	48%	20	EU	European Commission	NOV2003 DEC2006	See foot note ¹⁾
Project Description						Type of Services Provided [Outlined]		
						Under contract to the European Commission, EUROSTAT, Epsilon International develops an Theory and a Mathematical Modeling platform ("EPSILON" PROJECT) combined with a "Tool" aimed to assisting Decision Makers to: (1) Estimating Sustainability of Regions, and (2) Generating and clustering environmental sustainability indicators (ESIs) for EU-NUTS-II and NUTS-III regions". Sustainability is analysed via the in a 4X4X4 matrix encompassing the Economic, Environmental, Institutional, and Social environments, jointly studied via sustainability themes and subthemes following the UN/EC procedures, and Internal Strategy on Sustainable Europe (EC-COM 2003). The analysis is linked to estimation methods and procedures. The Theory and the Model-engine are based on parameters: (1) readily available in Eurostat's REGIO and other EC databases for EU applications, and (2) User Input for other countries. Whenever parameters are not readily available, they are generated via widely accepted algorithms and information from other sources that can be country-specific. The Tool is operational via Web-based geographic information system (GIS) technologies. The user can produce and cluster ESIs for one or more regions and countries at NUTS-II/III levels. The Tool is offered to national statistical institutes (NSIs), regional statistical institutes (RSIs), Eurostat, environment agencies, ministries, private and public organisations, decision makers, academia, and others engaged in regional sustainability assessments and reporting. The Tool can serve for (i) ESIs generation, (ii) clustering, and (iii) benchmarking. It may also serve to trace: (i) interrelations between different dimensions of sustainability, (ii) interaction among environmental parameters in policy, and (iii) a planning tool for sustainable regional economic development The tool is applied, tested and validated in several EU countries, and is being offered to interested parties for further use after year 2004. There will be an extended installation of the tool at EU NSIs, an international distribution, and the establishment of a Sustainability Centre of Excellence. In this project, cooperation has also been established with non-EU organisations from the United States and other countries. The project will be released as a final version by December 2005.		
						Services-Deliverables • Theory, Manual, Tool, Model • Sustainability Structure 4x4x4 • Database for NUTS II/III EU Regions • Clustering module • GIS module • Scientific presentations in conferences • Data manipulation techniques • Research in Data quality • Web-based applications & Tool use Innovation • In depth sustainability analysis for regions • Extended Sustainability model not covered by literature • New Clustering technique based on Geo Space models • Use of GIS techniques to generate NUTS data Key Words Cluster analysis, directives, economics, environment, epsilon, Europe, Eurostat, GIS, indexing, indicator, modelling, neural network, NUTS, policy, Statistics, and Sustainability. For Information Prof. Marc BONAZOUNTAS +30-210-6898615 +30-210-6821220 central@epsilon.gr www.epsilon.gr		

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