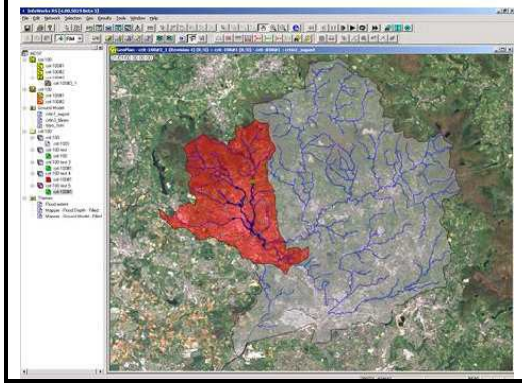
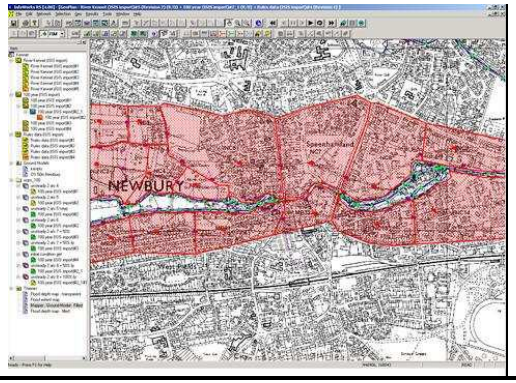
Ref no	Project title		SCIER: SENSOR & COMPUTING INFRASTRUCTURE FOR ENVIRONMENTAL RISKS (VIA GRID & WEBGIS)					
Name of legal entity	**Country**	**Overall contract value (€)**	**Proportion carried out by legal entity (%)**	**No of staff provided**	**Name of client**	**Origin of funding**	**Dates (start/end)**	**Name of consortium members, if any**
Epsilon	Greece	3.266.949	16,5% 540.000€		European Commission	European Commission	09/2006 03/2009	Partners List at http://www.scier.eu/Default.asp?Static=24

Detailed description of project	**Type and scope of services provided**
The SCIER platform is a complex Integrated System which embodies technologies and structures from different Scientific Fields: Wireless Sensor Networks, Environmental Engineering and Modelling, Grid Computing for parallel processing. To merge modules developed on different technological platforms so that they form a new, complete system is a very difficult task which requires an excellent knowledge and understanding of operational specifications for each module in separate, as well as a clear overview of the Integration strategy. It is customary that the architecture of such a large-scale system is visualized by a vertical, bi-directional flow-chart divided into different layers. Each layer performs a specific set of activities. Contiguous Layers contribute to their common Interface so that all bilateral transactions are reliable and safe. SCIER consists of three (3) architectural layers: 1. A Sensing System for monitoring the Area of Interest (AoI) 2. A Local Area Control Unit for administering Local Networks or Sensors 3. A Computing System for simulating in real time scenarios on eminent disasters  	**SCIER web-services:** SCIER is a web-based platform meaning that all connections, functionalities and data-transactions between major modules, are achieved via the Web-services. To this end, state-of-the art web-technologies are used such as the SOAP, http, XML etc. On top of this, the end-user of SCIER can access all functionalities via a regular ip address (www). In fact, at the SCIER-site www.scier.eu www.scier.gr the user can access simulation functionalities for both Forest-Fires & Floods. Specifically he/ she can: • View all sensors and their current position at the AoI • View a Local Area Control Unit per AoI and identify the status of operation (normal, notify, alarm) • Choose an AoI and trigger a simulation In particular for Forest-Fire simulations: the user can set the initial points of the fire-burst • After simulations terminate, the user can view the results • the user receives N simulations results coming from a set of equal-number meteorological scenarios • The user can add/ remove layers for Fire-simulation-results