



Ref no	BRISEIDE (2010-2012): Bridging Services, Information and Data for Europe, Information society and media Directorate, CIP-ICT PSP 250474 Agreement							
Legal entity 	Country	Overall project value (€)	Proportion carried out by Epsilon	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of consortium members
	Greece	3.810.891,00	13% € 295.000,00	11	European Commission	European Commission	02/2010 10/2012	15 Members http://www.briseide.eu/
Detailed Description of the Project www.briseide.eu						Type of services provided		
<p>BRISEIDE is an EC/ICT/PSP (Policy Support Programme accomplished by 15 EU partners. Civil Protection operators and Public Administrations, engaged in urban & river basin planning, resource & environmental management, need spatio-temporal processing of GI to support decision-making. Current SDIs and the ESDI, only partially address user needs as they offer no or very limited time variable management. The integration between INSPIRE-compliant geographic datasets and operational databases, essential in domains such as environmental risk management, civil protection River Basin Planning.</p> <p>Thus the present scope of services SDI can offer is somewhat limited. It is the aim of BRISEIDE to build on existing SDI's in order to provide users with more complete and adequate data and processing tools.</p> <p>Technology</p> <ol style="list-style-type: none"> 1. Time-aware extension of data models developed in the context of previous/ongoing EU INSPIRE related projects (e.g. in the context of GMES, Civil Protection and eContentPlus), 2. Application (e.g. Civil Protection) based on the integration of existing, user operational information (e.g. at National, River Basin, and Regional levels). 3. Value added services for spatio-temporal data management, authoring, processing, analysis and interactive visualisation (e.g., Emergency management; forest fires, flood, dam-brake) <p>Applications</p> <p>BRISEIDE technology was applied, tested and validated in a wider range a <i>Civil Protection & Environmental Management</i> applications using the INSPIRE relevant themes and via a chain of stakeholders, data providers, technology partners, and downstream users, as Civil Projection Authorities and National & Regional Organizations. The Pilot operational phases considered real life events with extensions in additional 10 domains as: Flood, Earthquake, Forest Fire, and multiple disasters (e.g., Dam brake).</p> <p>e-Usage</p> <p>Operators logs onto a webpage and activate 3D web-based clients. A number of spatio-temporal processing services exposed by distributed servers are made available through a GUI. The functionalities available as WPS (Web Processing Service) allow application oriented (e.g. Civil Protection, River Basin Management) processing, navigation and query of time series. The user can drag & drop processing units and connects them, whilst creating complex compound spatio-temporal analyses. The system automatically orchestrates sets of processes and invokes relevant services in proper order. The analysis evoked and the results produced are interactively shown on the screen as of ad hoc spatio-temporal "visualisation" services offered.</p>						 <p>Technology</p> <p>Developed spatial analysis technologies integrated within existing open source frameworks.</p> <p>Spatio temporal processing services derived via webservices and made available through compatible WebGIS applications.</p> <p>Newly developed or prototypical Oases already made available by relevant INSPIRE related EU projects and exposing standard services such as WMS, WCS and WFS, used to provide access to relevant geodatabases, enriched, when needed, with information, extracted from heterogeneous, distributed user operational databases.</p> <p>Services accessible through multi platform 3D client, invoked from webpage as a Java WebStart application.</p> <p>3D client allowing interactive orchestration of spatio temporal WPSs providing support to chaining of required processing units. This ensures interactive access to datasets and asynchronous processing at the server side.</p> <p>Key applications: Civil Protection, River Basin Management, 3D-environments, INSPIRE, GMES, Copernicus, WebGIS, H2020 apps., Enviro-mapping, SDI, EIONET, WISE/EC.</p> 