

Proposal Acronym	BOLEGWEB
Proposal Title:	Crosswalking the layers of geospatial information resources to enable a borderless geospatial web
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Research area:	Information science and Engineering ENG,Environment and geosciences ENV
Sub-discipline of research area:	Geographic Information Systems - GIS Informatics, information systems, Internet and semantic web, database systems and libraries
Category of research:	applied
[Redacted]	[Redacted]
Abstract:	<p>The effective access and use of geospatial information (GI) resources acquires a critical value of importance in modern knowledge based society. Standard web services defined by Open Geospatial Consortium (OGC) are frequently used within the implementations of spatial data infrastructure (SDI) to facilitate discovery and use of geospatial data. This data are stored in databases located in a layer, called the invisible web, thus are ignored by search engines. SDI uses a catalogue service for the web as a gateway to the GI world through the metadata defined by ISO standards, which are structurally diverse to OGC metadata. Therefore a crosswalk needs to be implemented to bridge the mainstream web with SDI to enrich its information extent. A public global wide and user friendly portal of OGC resources available on the web ensures and enhances the use of GI within a multidisciplinary context and bridges the geospatial web from the end-user perspective, thus opens its borders to everybody.</p>
Does this proposal possess any of the sensitive ethical issues detailed in ethical issues table?:	No