Abstract

Set-Up of a Transnational Spatial Data Infrastructure for an Interoperable Use of Data on the Internet

Track: Global and National Spatial Data Infrastructure

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The Technical University of Munich, Germany (OGC member), is setting up the "GeoPortal" which enables a user to access various databases and Web Services via Internet for numerous applications (forest, tourism, planning, public safety, etc.) in a region affecting three European countries. Problems occurring while integrating distributed, heterogeneous spatial data are avoided with such a spatial data infrastructure. The "GeoPortal" also contributes immensely to a sustainable development of the region. An online access to official databases (Web Map Server, Web Feature Server), as well as to several other Web Services (Geocoding, Coordinate Transformation, Web Gazetteer) has already been realized based on OGC standards. Additionally, an extensive geodata server is added to the "GeoPortal" through ArcIMS (with an OGC Web Map Server extension). Its spatial data is acquired and handled using ESRI software (mobile GIS/LBS/ArcPad, ArcGIS, Oracle with ArcSDE, ArcIMS).

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