Introduction

RIMapperWMS is a map server that adheres to the Web Map Service (WMS) specifications of the Open Geospatial Consortium (OGC). It can deliver maps in SVG with a built-in graphical user interface.

Functionality

RIMapperWMS serves interactive web maps from a spatial database back-end. Compared to existing WMS implementations it stands out firstly because it serves its maps in the Scalable Vector Graphics (SVG) format. SVG is a vendor-neutral open standard web format that allows the system to offer high-quality vector cartography, specially suitable for the Web and mobile devices such as PDAs and smartphones. Secondly, RIMapperWMS can produce SVG output with a built-in Graphical User Interface, allowing the data to be disseminated to any SVG-capable application, without the need for a separate WMS client.

Technical Setup

RIMapperWMS is a set of Java servlets and classes that can be deployed in any J2EE compatible servlet container (e.g., Apache Tomcat). The webapplication is configured using the database back-end. This database also includes the spatial and attribute data to be mapped, stored according to the OGC ‘Simple Features for SQL’ specification.

Information:

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Status & Outlook

A first public bèta of RIMapperWMS is available on the website kartoweb.itc.nl/RIMapper/. This version supports the GetMap and GetCapabilities requests and it can deliver SVG and PNG output. The only back-end database supported at this moment is PostGIS/PostgreSQL. Future versions will also support the GetFeatureInfo and GetLegendGraphic requests, and we also plan to implement using other databases (MySql at first). RIMapperWMS is an Open Source project and everyone is invited to experiment with the software and contribute to its further development...