uDig - User-Friendly Desktop Internet GIS



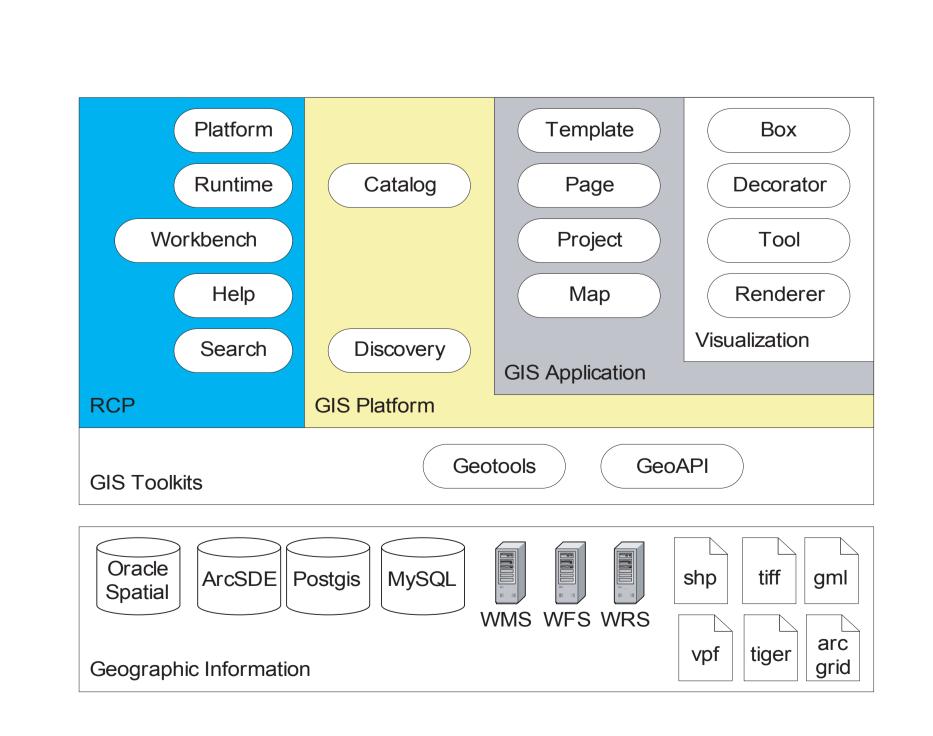
What is uDig?

The User-Friendly Desktop Internet GIS for OpenGIS Spatial Data Infrastructures project (uDig) will create an open source desktop GIS application, to make viewing, editing, and printing data from Canadian Geospatial Data Infrastructure (CGDI) and local data sources simple for ordinary computer users.

Open source components are a critical part of the CGDI vision, because they allow organizations to deploy infrastructure widely, in a distributed fashion, without incurring multiple licensing fees. Open source components are also the most tractable for fast support of new OpenGIS interoperability standards.

There are already many different pieces of open source software that implement OpenGIS server standards: Mapserver implements WMS, GeoServer implements WMS and WFS-T, PostGIS implements SFSQL, DeeGree implements WMS and WFS, and so on. There is not a single piece of desktop software capable of binding information from all these servers together into a unified desktop view. uDig is the open source application that will bring CGDI data sources to the desktop, and integrate them with local data sources for standard business processes – data viewing, data editing and data printing.

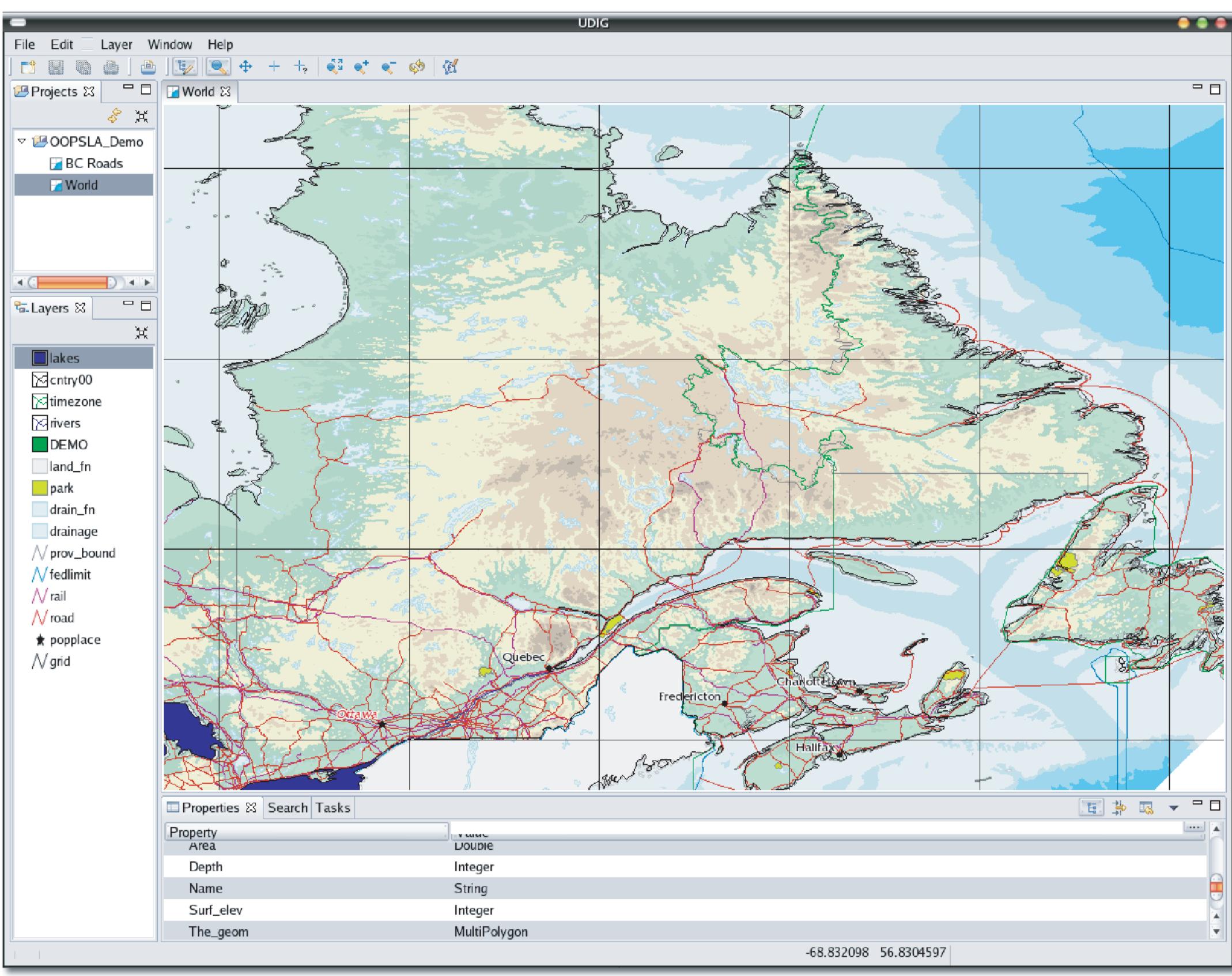
uDig for the RCP Developer



- * uDig is a RCP GIS application you can download and run immediately
- * The GIS Platform is an extendable framework for data visualization and processing
- * An active development community on the cutting edge of RCP development
- * Reuse geospatial visualization services in your own RCP Application
- [†] Gathers the best of the open-source Java world for the Eclipse developer

http://udig.refractions.net

Features and Functions



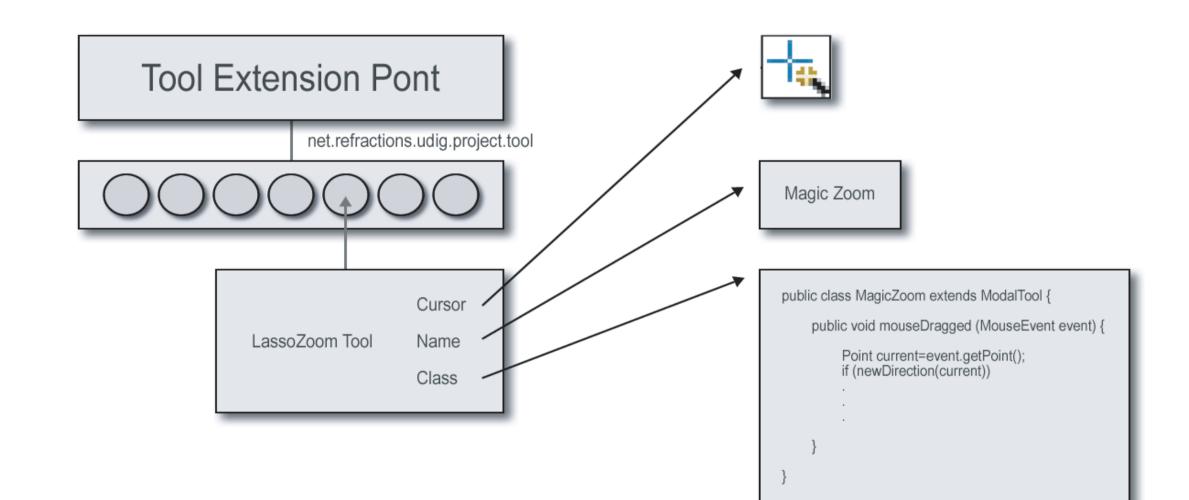
- WFS client Reading / Writing
- Web Map Server Queries
- Styled Layer Descriptors
- Web Registry Servers
- Database Access
- Open Source (LGPL)

Modularized Customizations

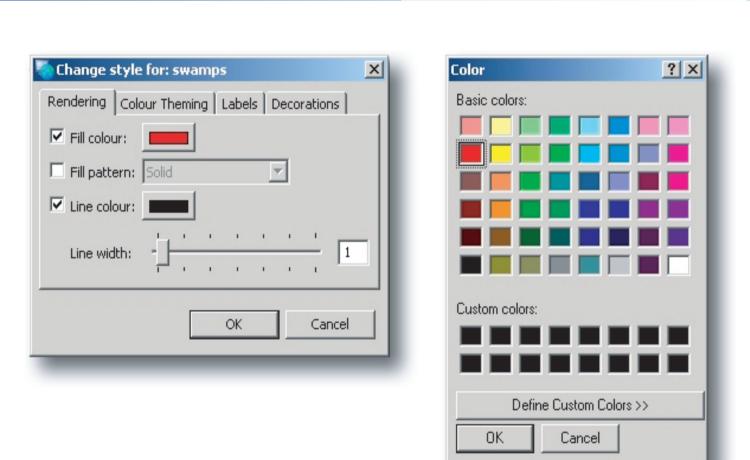
- Cartographic Output
- Standard GIS File Formats
- Coordinate Projections
- Multiple OS Platforms
- Multi-Lingual Design

Custom GeoSpatial Tools

- New Declared GIS Extension Points
- Extension Tutorials and Templates
- Customizable Tool Configuration
- Customizable Tool Palettes

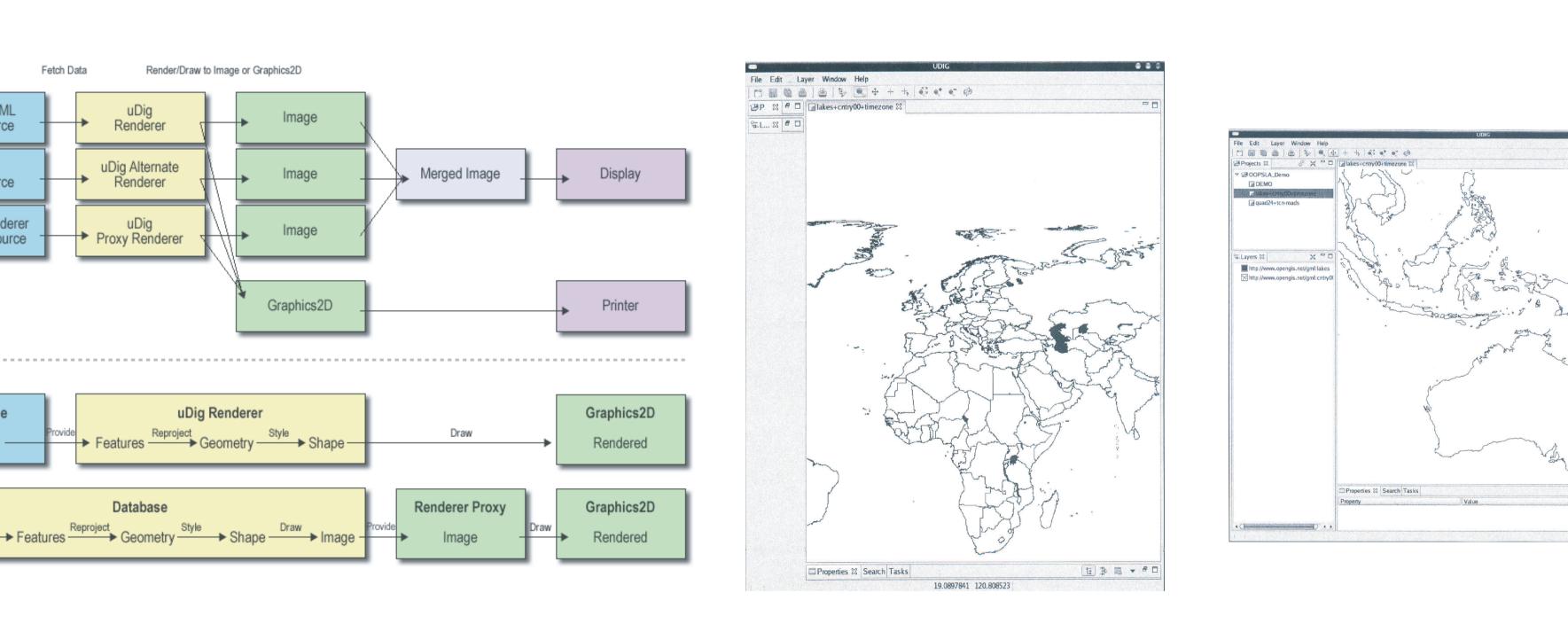


Map Renderer



- Transparency
- Rules and Filters Feature Labelling (Colour theming)
- Variable Line Width
- OGC Compliant

Application Pipeline



- Multiple Rendering Pipelines to Leverage External Services
- Runtime Pipeline Selection and Dynamic Metric Calculation
- Flexible Rendering Framework for Additional Format Support



