

Quantum GIS – 5 Minute Tour



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What is QGIS?



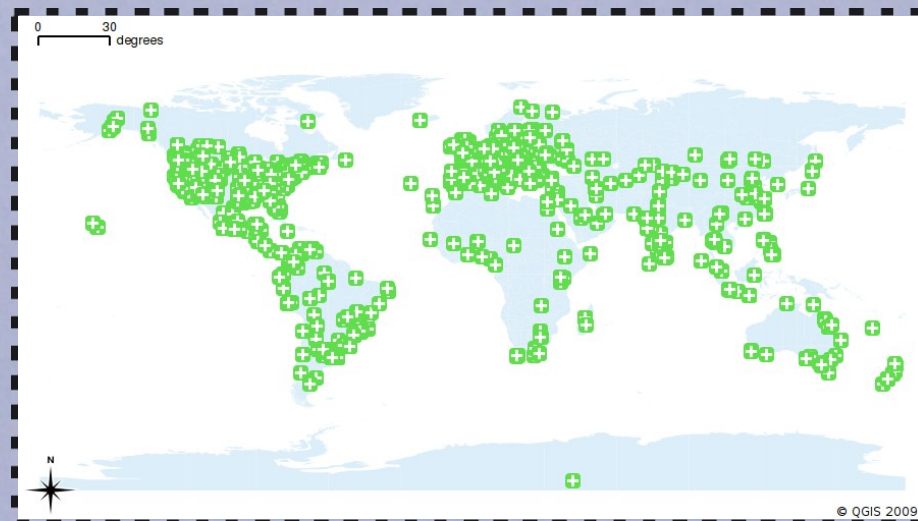
A Free, Open Source Desktop GIS application



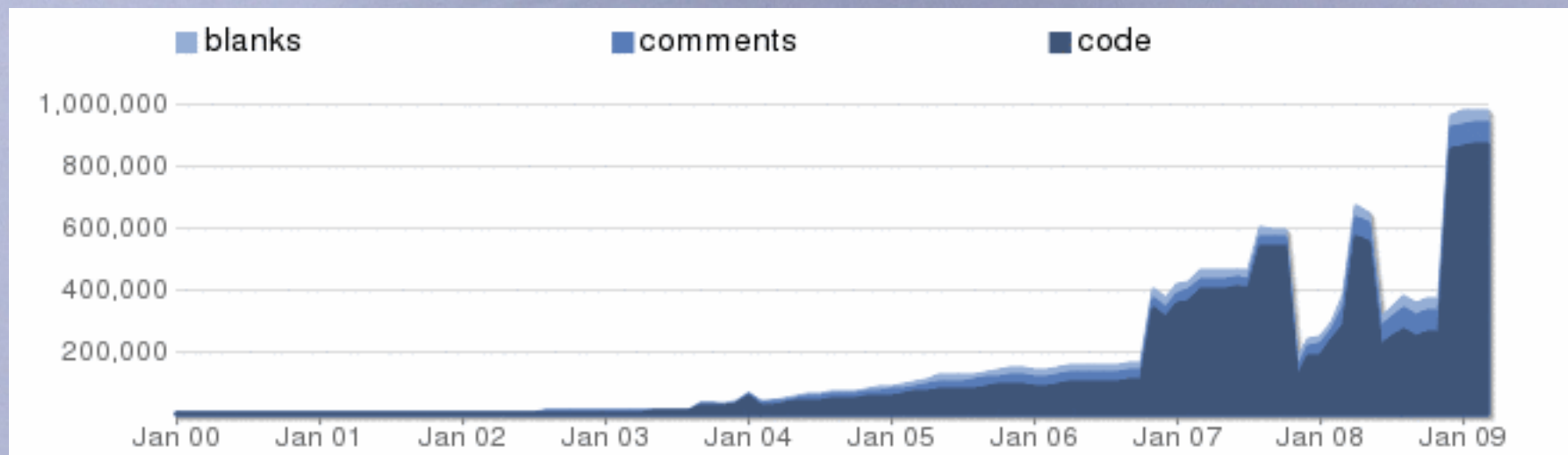
A set of developer libraries for building geospatial-aware applications



A community of developers, documentors, translators, users



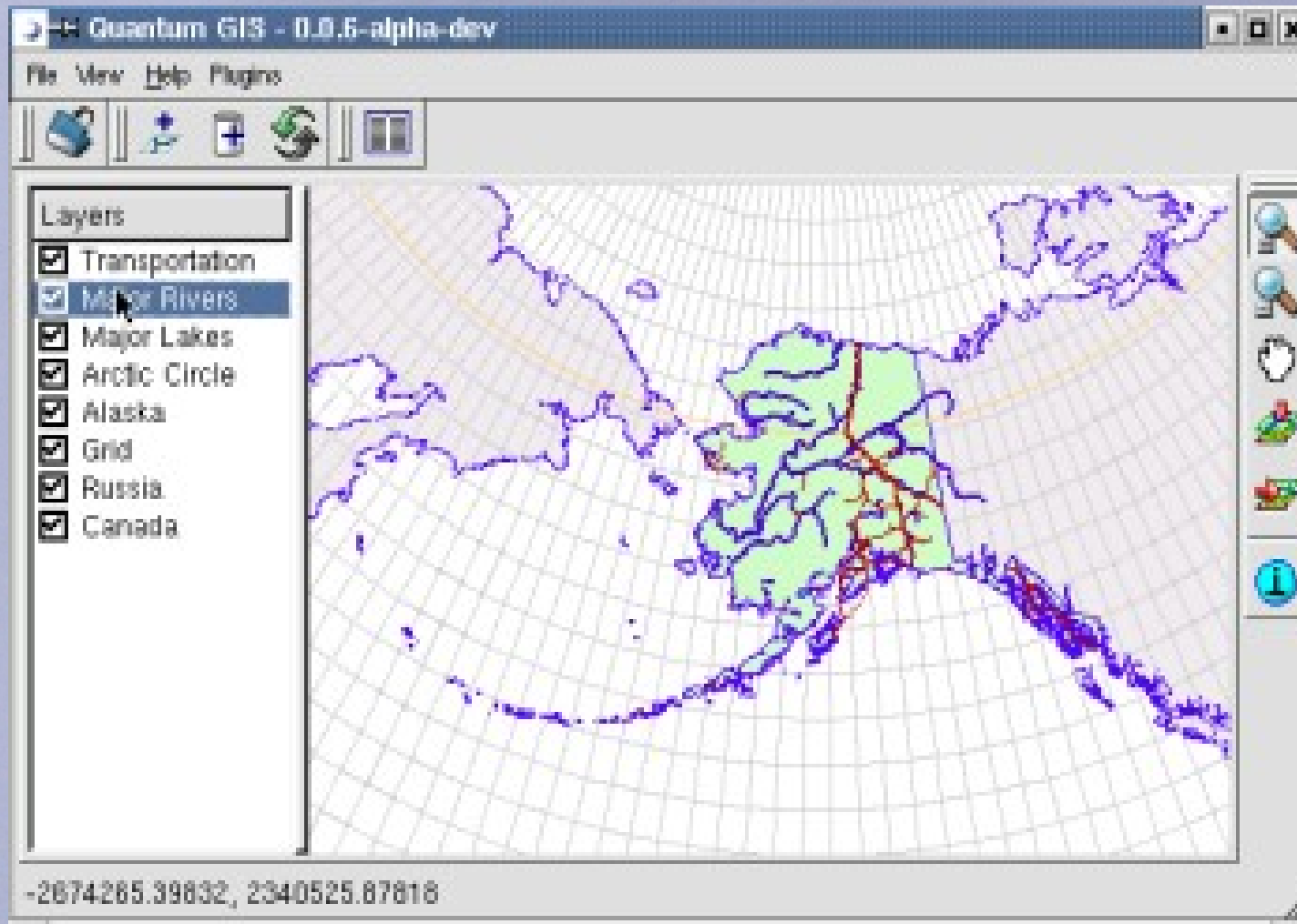
Intellectual Property



- **GPL Open Source License**
- **38** Committers over the life of the project
- **124,496** lines of code
- Of which **38,203** are comments
- **657,692** lines of translations



In the beginning...2002




Release early, release often

Version	Codename	Release date
0.0.1-alpha		July 2002
0.0.3-alpha		August 10, 2002
0.0.4-alpha		August 15, 2002
0.0.5-alpha		October 5, 2002
0.0.6		November 24, 2002
0.0.7		November 30, 2002
0.0.8		December 11, 2002
0.0.9		January 25, 2003
0.0.10		May 13, 2003
0.0.11		June 10, 2003
0.0.12		June 10, 2003
0.0.13		December 8, 2003
0.1pre1		February 14, 2004
0.1	Moroz	February 25, 2004
0.2	Pumpkin	April 26, 2004
0.3	Madison	May 28, 2004
0.4	Baby	July 4, 2004
0.5	Bandit	October 5, 2004
0.6	Simon	December 19, 2004
0.7	Seamus	
0.7.3		October 11, 2005
0.8		January 7, 2007
0.8.1	"Titan"	June 15, 2007
0.9.0		October 26, 2007
0.9.1	"Ganymede"	January 6, 2008
0.10	"Io"	May 3, 2008
0.11.0	"Metis"	July 21, 2008
1.0.0 (stable)	"Kore"	January 5, 2009
1.1.0 (development)	"Pan"	May 12, 2009
1.2.0 (development)	"Daphnis"	September 1, 2009
1.3.0 (development)	"Mimas"	September 20, 2009

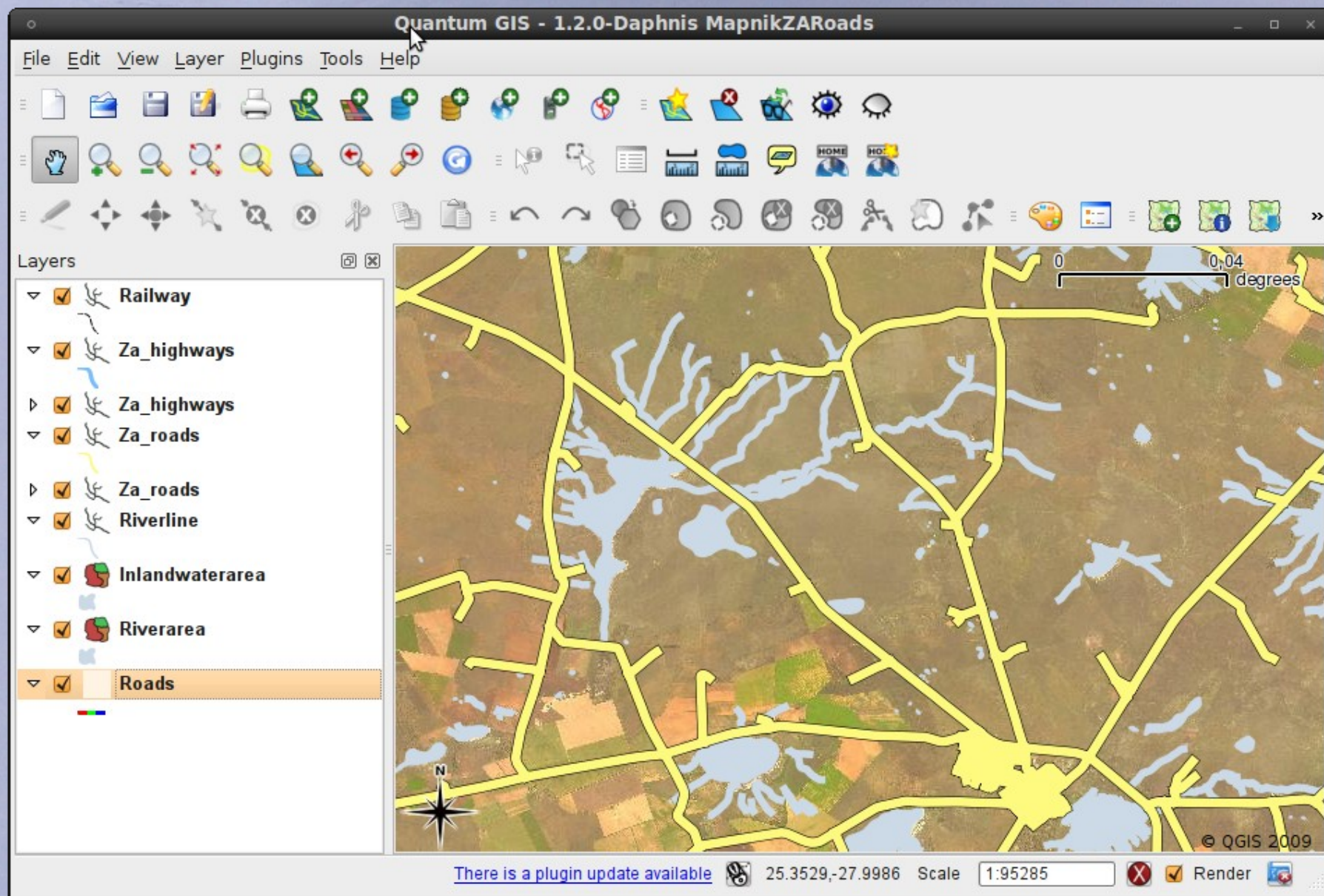


Version 1.0 Features

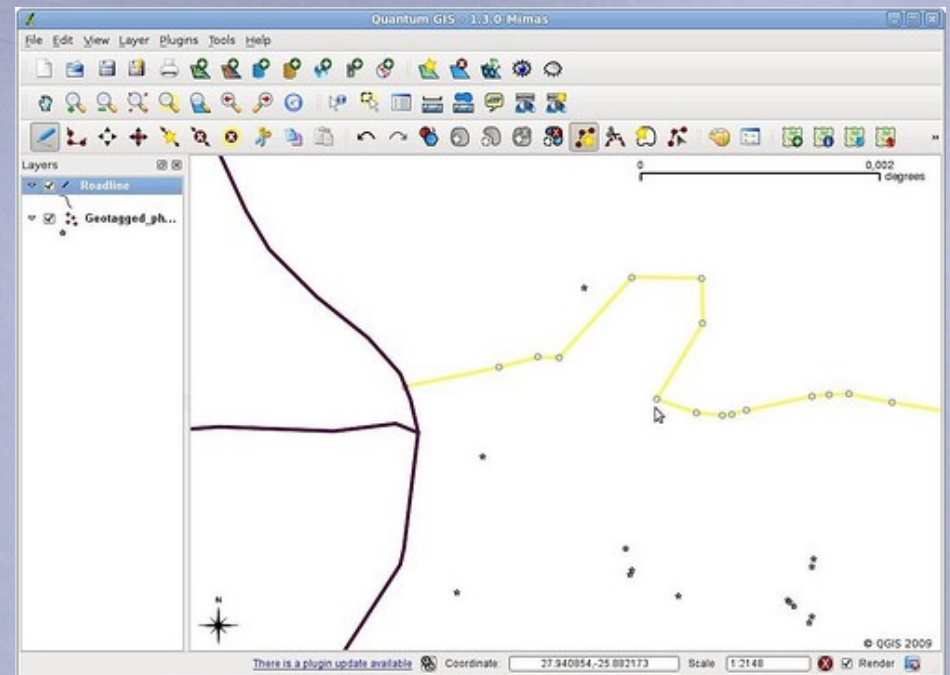
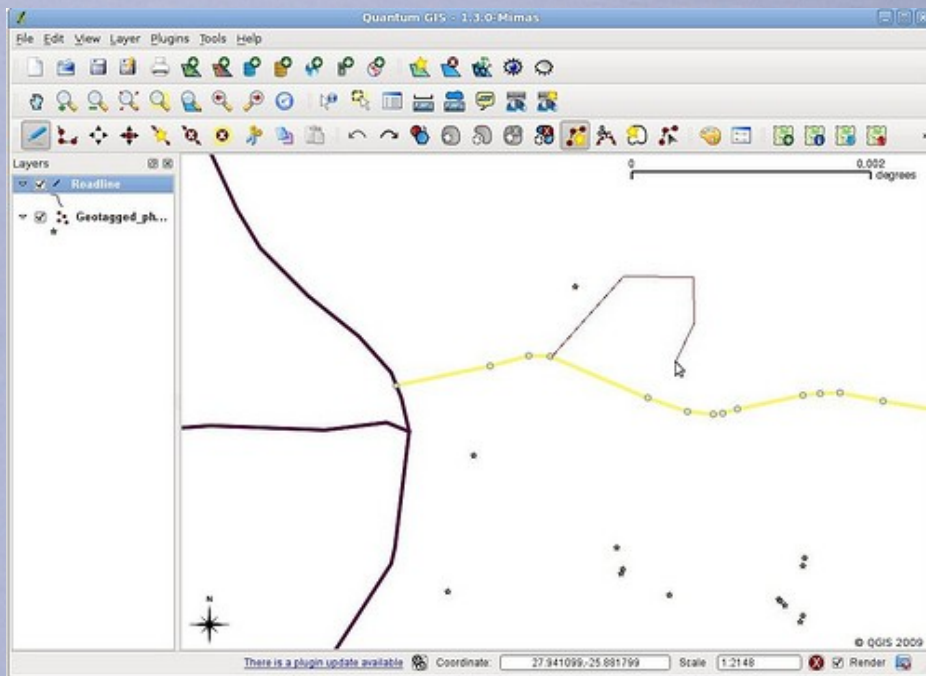
- Load numerous **vector** and **raster** formats (e.g. Shp, mif, gml, PostGIS, Gtiff, ECW, SID, img, etc, etc.)
- OGC Client for **WMS**, **WFS** 
- **GRASS** Frontend
- **Python** language bindings with rich **plugin** ecosystem
- **Stable API** and Frozen User Interface



QGIS 7 years later...



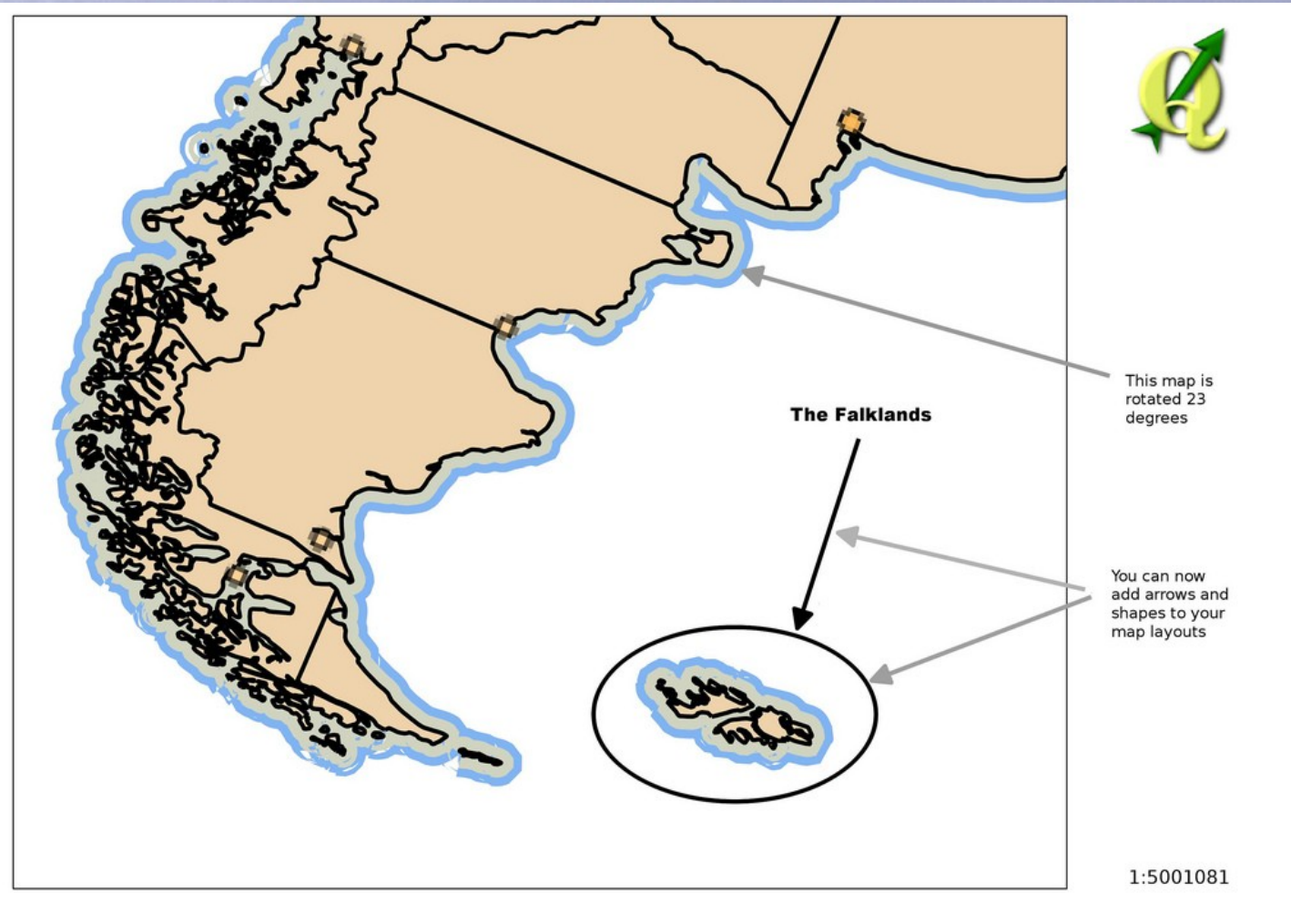
Editing



QGIS is a great platform for capture and editing of vector data.



Coming in early 2010



Map rotation and decorations (arrows & shapes) in print composer.



Labelling collision detection



...and improvements to symbology engine (e.g. Overpainted borders shown here)

Other things in the pipeline

- OTB Integration
- Table joins
- Version 2.0 due late 2010
- WPS (Web Processing Service) client
- Port to mobile platform (no date yet)
- Extensions to our analysis library
- Continual polishing and refinement



Community

- QGIS is not just software – its a large community
- Community has grown over 7 years
- Developers, contributors, documentors, translators, bug reporters, and **users**
- Estimated userbase 50 000 (thumbsuck)



Community & Support

- Commercial Support
 - Commercial support and training is available in SA and worldwide
 - There are business and career opportunities
- Community Support
 - Very active and responsive mailing lists
 - Users List
 - Developers List
 - IRC Channel
 - Forums etc.



Resources

The screenshot shows a web browser window with the address bar at <http://qgis.org/>. The page title is "Welcome to the Quantum GIS Project". The browser's tab bar shows several open tabs, including "linfiniti.com", "/branches - ...", "SourceForge.n...", "Quantum GIS", "Internet Archi...", "(Untitled)", and "Welcome to t...".

The website header features the Quantum GIS logo (a green stylized 'Q' with a leaf) and the text "Quantum GIS". A search bar is located in the top right corner with the placeholder text "search...". Below the header is a navigation menu with links for "QGIS Wiki", "QGIS Blog", "QGIS Forum", and "QGIS Bugs".

The main content area has a dark blue background with the text "Quantum GIS Version 1.0.0" and the slogan "Kore". A text box on the left side of this area reads: "The Quantum GIS project will hold a QGIS Developer Meeting in Hannover, Germany from March 19-22, 2009. Find all information to participate and sponsor the meeting at the [QGIS Hackfest](#) webpage."

Below the main content area, there are two sections:

- Main Menu**: A list of links including Home, About QGIS, Community, Documentation, Download, Commercial Support, Sponsorship, and Advanced Search.
- Support QGIS!**: A section with a "Make A Donation" button.

The right side of the page contains a "Welcome to the Quantum GIS Project" section with the following text:

Quantum GIS (QGIS) is a user friendly Open Source Geographic Information System (GIS) licensed under the GNU General Public License. QGIS is an official project of the Open Source Geospatial Foundation (OSGeo). It runs on Linux, Unix, Mac OSX, and Windows and supports numerous vector, raster, and database formats and functionalities.

Quantum GIS provides a continuously growing number of capabilities provided by core functions and plugins. You can visualize, manage, edit, analyse data, and compose printable maps. Get a first impression with some screenshots and a more detailed feature list.

Quantum GIS is a volunteer driven project. We welcome contributions from in the form of code contributions, bug fixes, bug reports, contributed documentation, advocacy and supporting other users on our [mailing lists](#) and the [QGIS Forum](#). If you are interested in actively supporting the project, you can find more information under the development menu and on the [QGIS Wiki](#). We also welcome financial contributions in the form of sponsoring and funding.

Contact



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