Quantum GIS

Five Years & Counting

A Brief History

- The QGIS project began in February, 2002
- We started with one developer
- The first release was in July
- The first version supported only PostGIS and had no map navigation tools or layer control

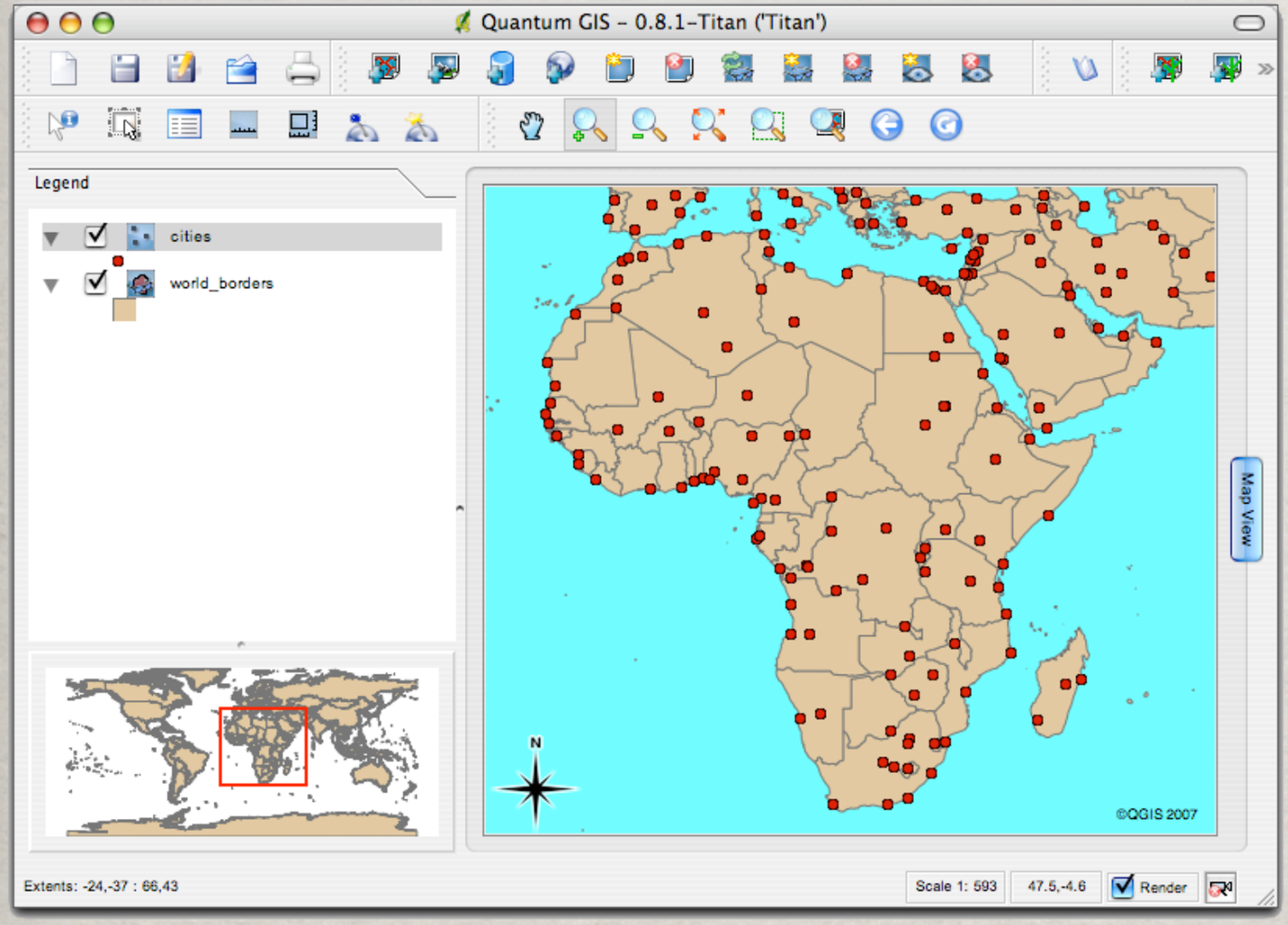
A Brief History

Released	Version	Milestone
July 2002	0.0.1	First release
Aug 2002	0.0.3	Support for OGR formats
June 2003	0.0.11	Plugin support
Feb 2004	0.1	Raster support for GDAL formats
Oct 2004	0.5	First Windows version
Dec 2004	0.6	First Mac OS X binary, vector editing
Nov 2005	0.7	Projection support, GRASS integration
Dec 2006	0.8	Port to Qt4, WMS, and library refactor
Sep 2007	0.9.0	Python bindings

How Do you Say QGIS?

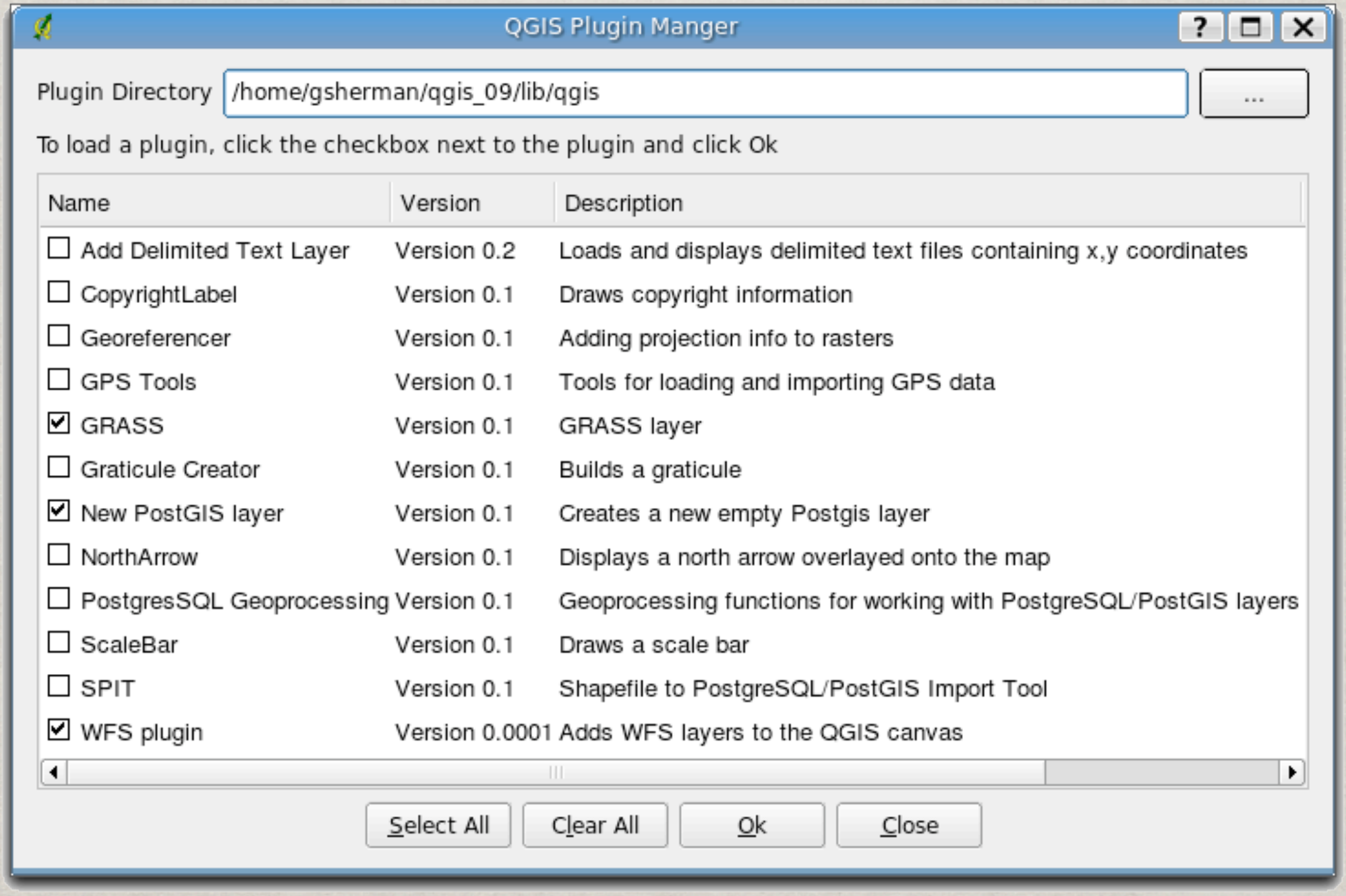
- We took a poll once
  - Q-G-I-S == 42%
  - Queue-Jis == 30%
  - Queue-Gih-Is == 23%
  - Inka-Dinka-Doo == 3%
  - Qwig-Is == 2%

What Is It?



- A viewer for common vector and raster formats
- An editor for common vector formats, including shapefiles and PostGIS layers
- A front-end for GRASS data and modules
- A set of libraries and bindings for application development in C++ and Python
- An extensible platform

Plugins Extend QGIS

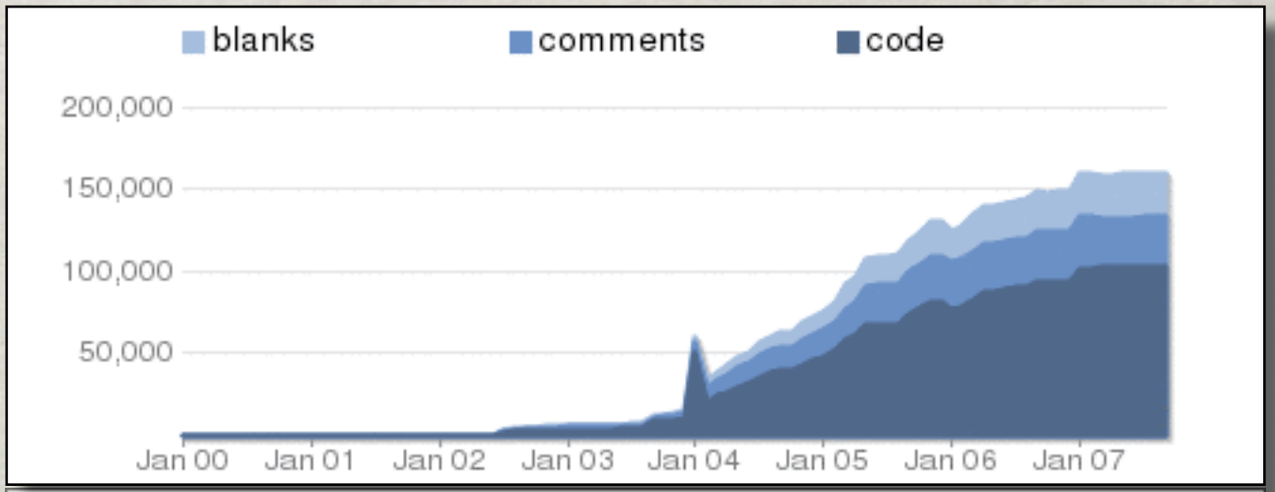


Why So Long to 1.0?

- What's in a version number?
- Version numbers are arbitrary
- The feature set of 1.0 was established long ago
- We are working towards that feature set
- At 1.0 we want a stable API, interface, and user experience

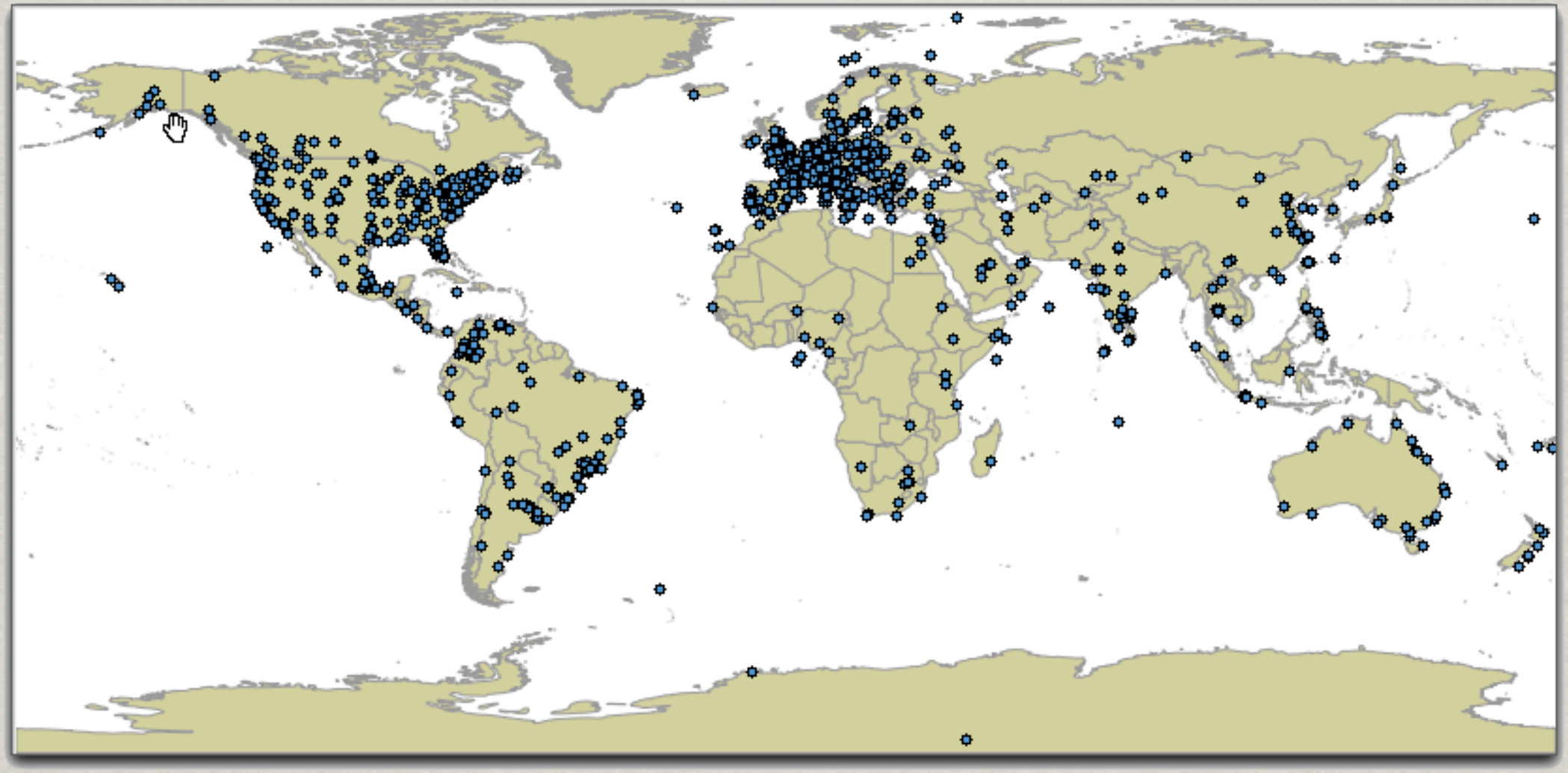
Some Statistics

- 22 developers over the life of the project
- 26 person years of effort
- Approximately 104K lines of code



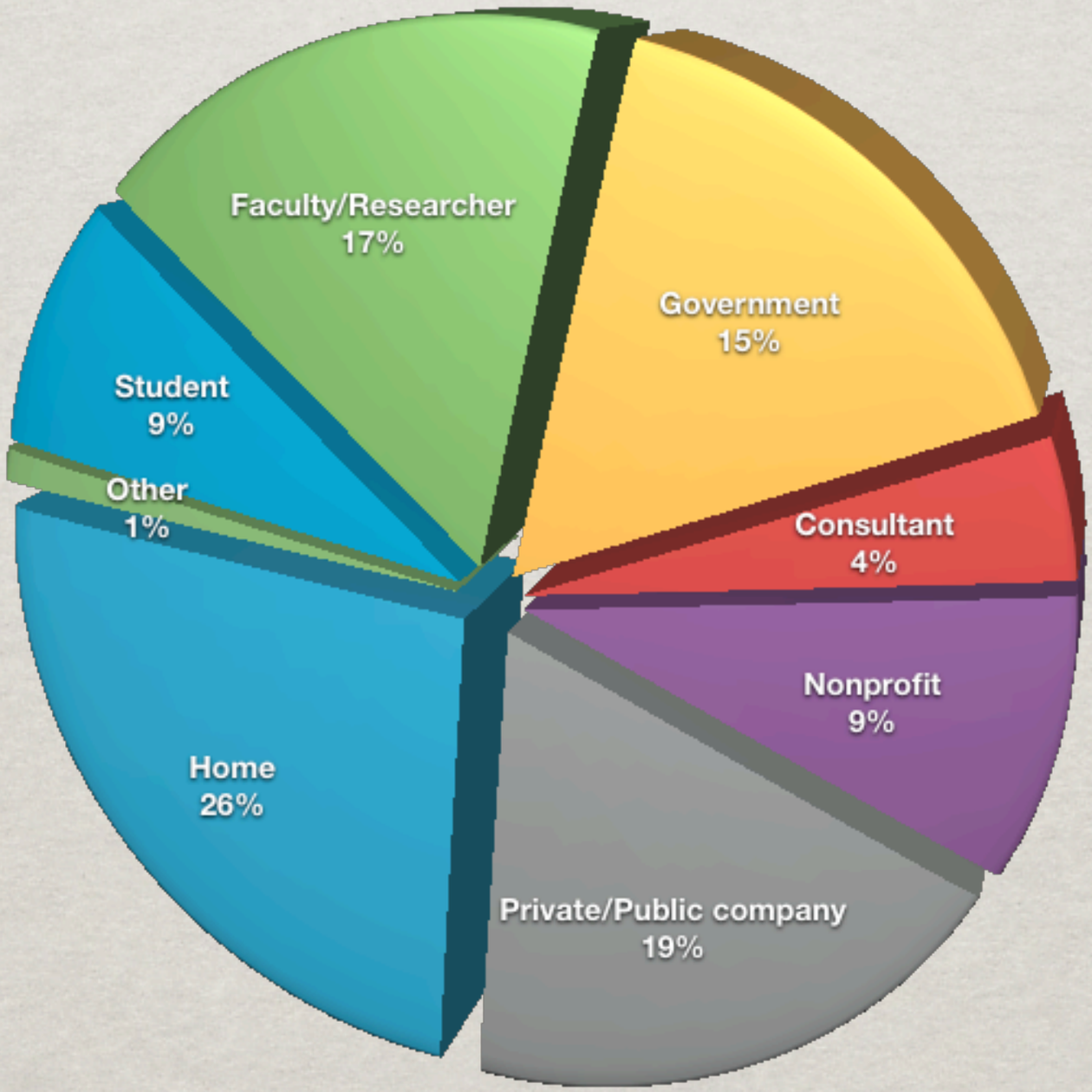
Graphic courtesy of ohloh

Users Around the Globe

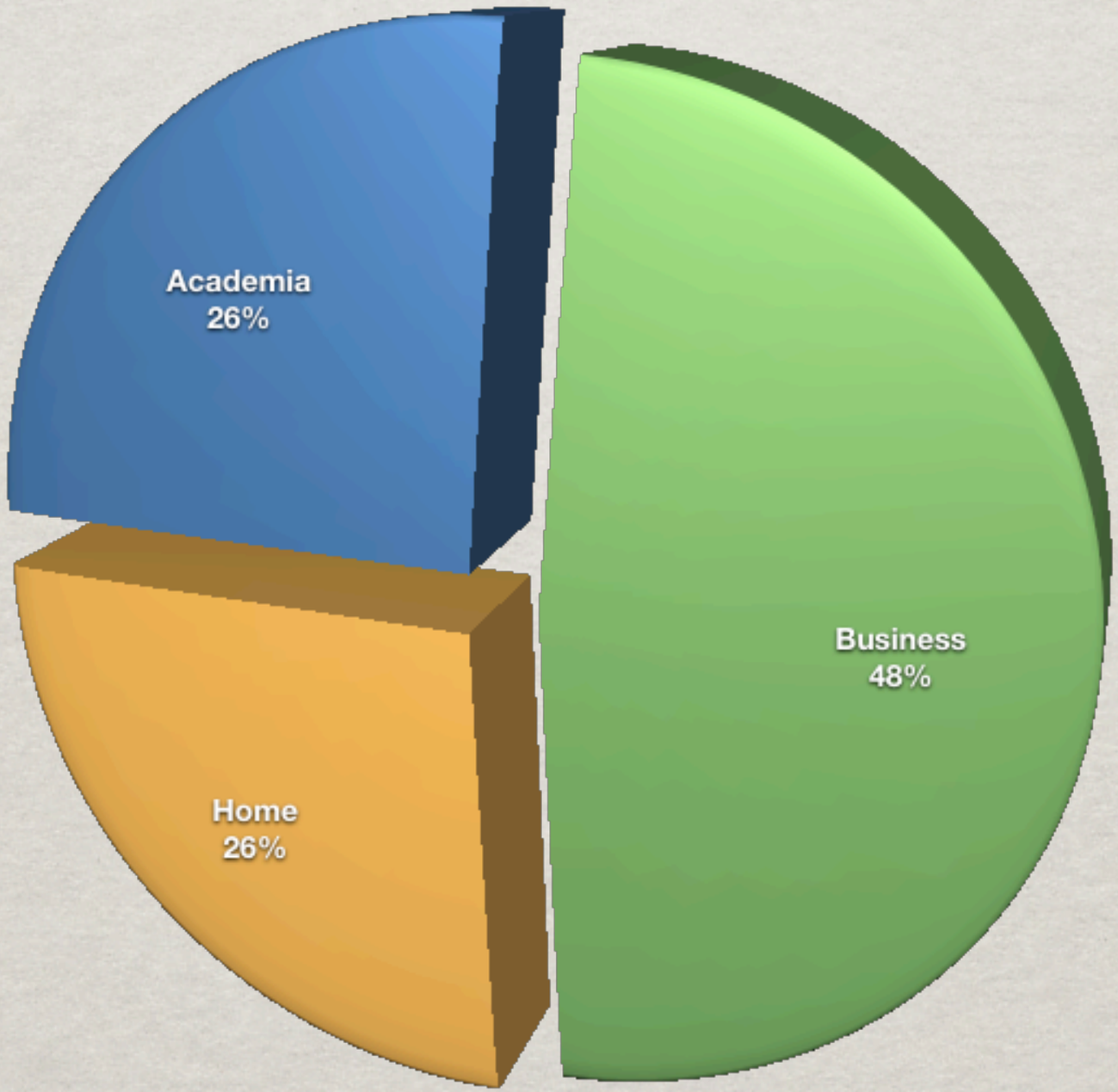


1,209 Registered Users

WHO'S USING QGIS



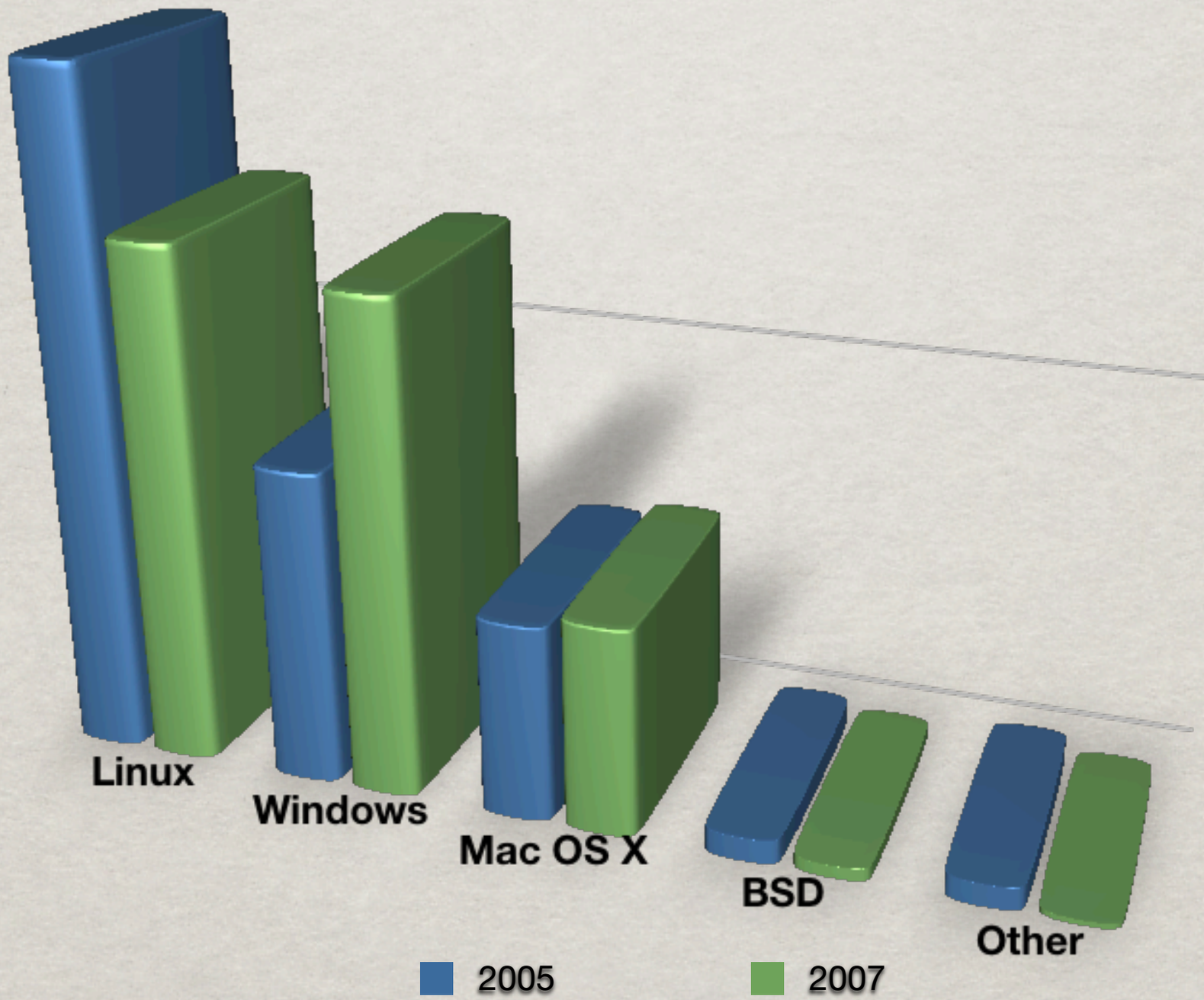
Who's Using QGIS



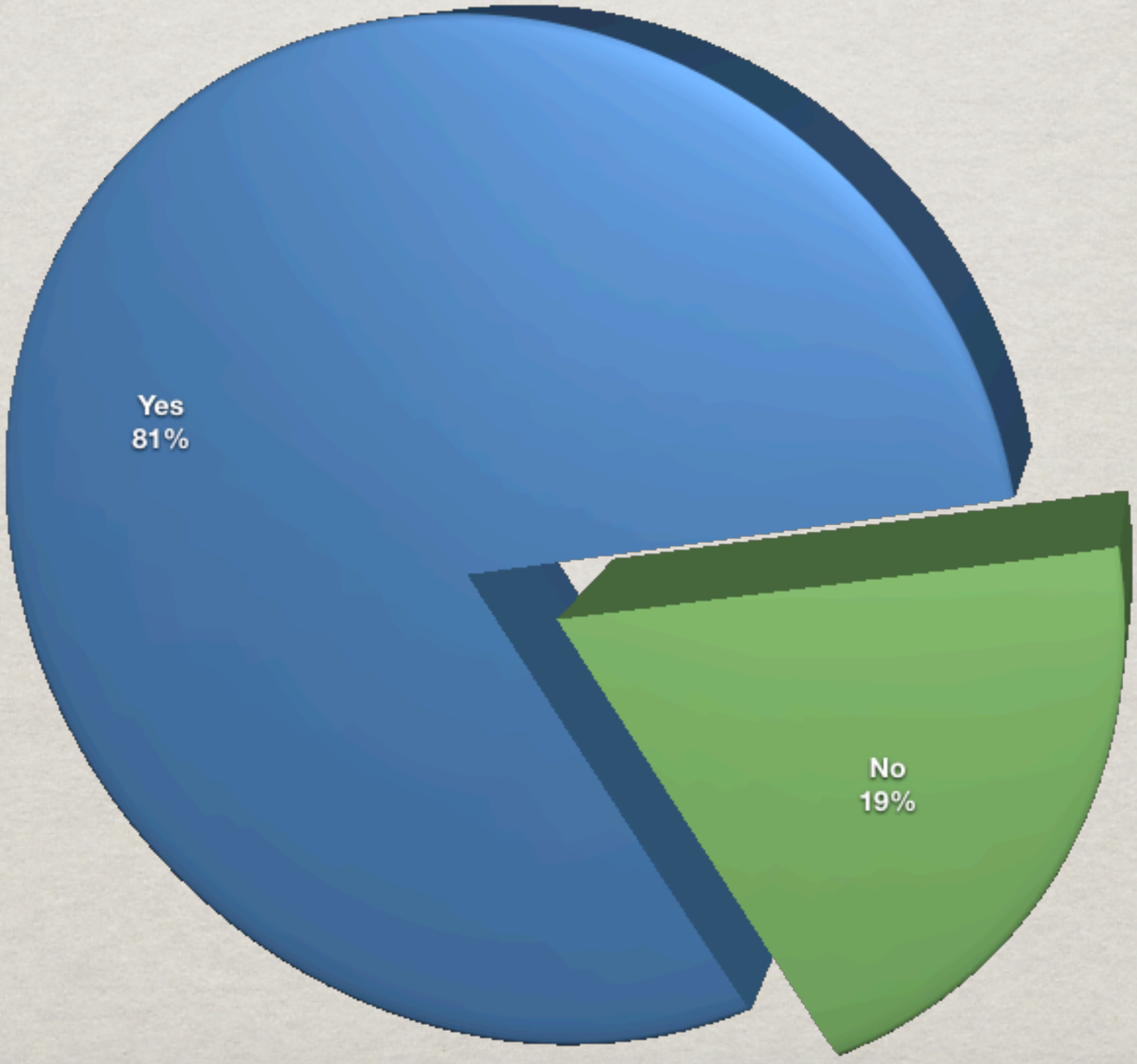
Who and What

agriculture
archaeology
cave mapping
city planning
climatology
cultural surveys
disaster management
engineering student
environmental engineering
environmental sciences
field biology
fire prediction modeling
fisheries studies
forestry
genealogy
geologic mapping
glaciology
graduate student
history mapping
hydrogeologist
local government
museum
newspaper reporter
oceanography
paleogeography
pest control
phd student
professor of ecology
public land mapping
recreation
traffic management
university professor
vehicle dispatch
water quality monitoring
wildlife studies

Operating Systems



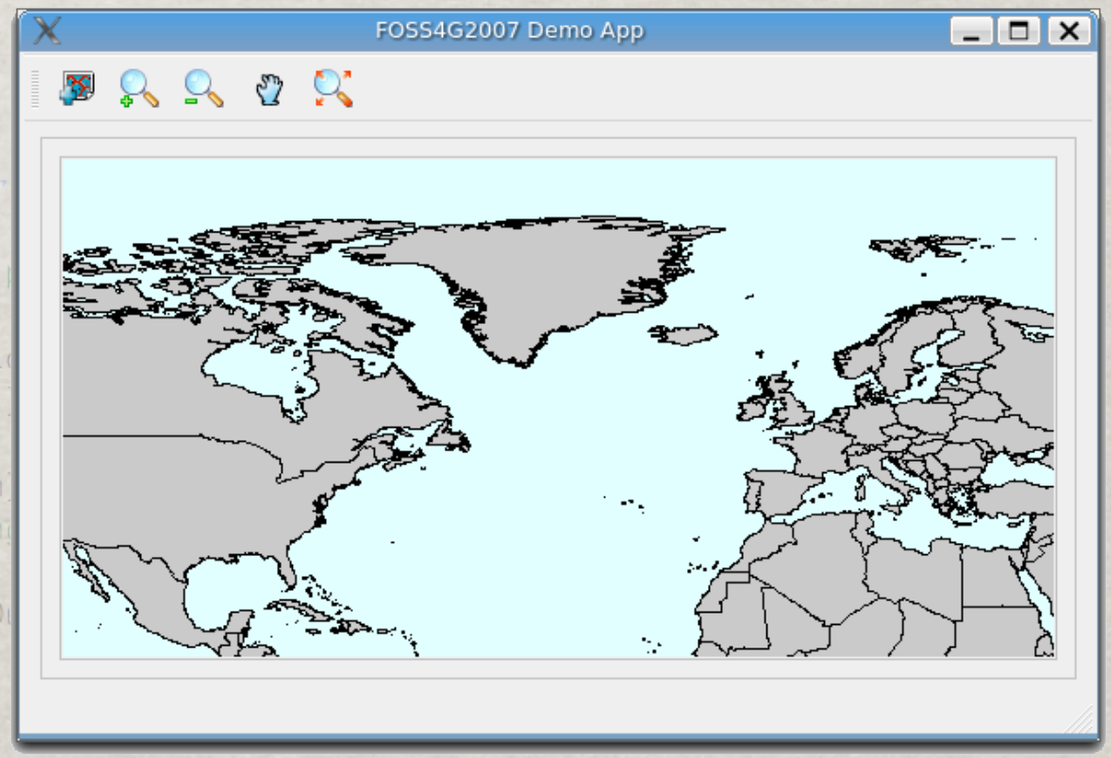
QGIS-GRASS Plugin Use



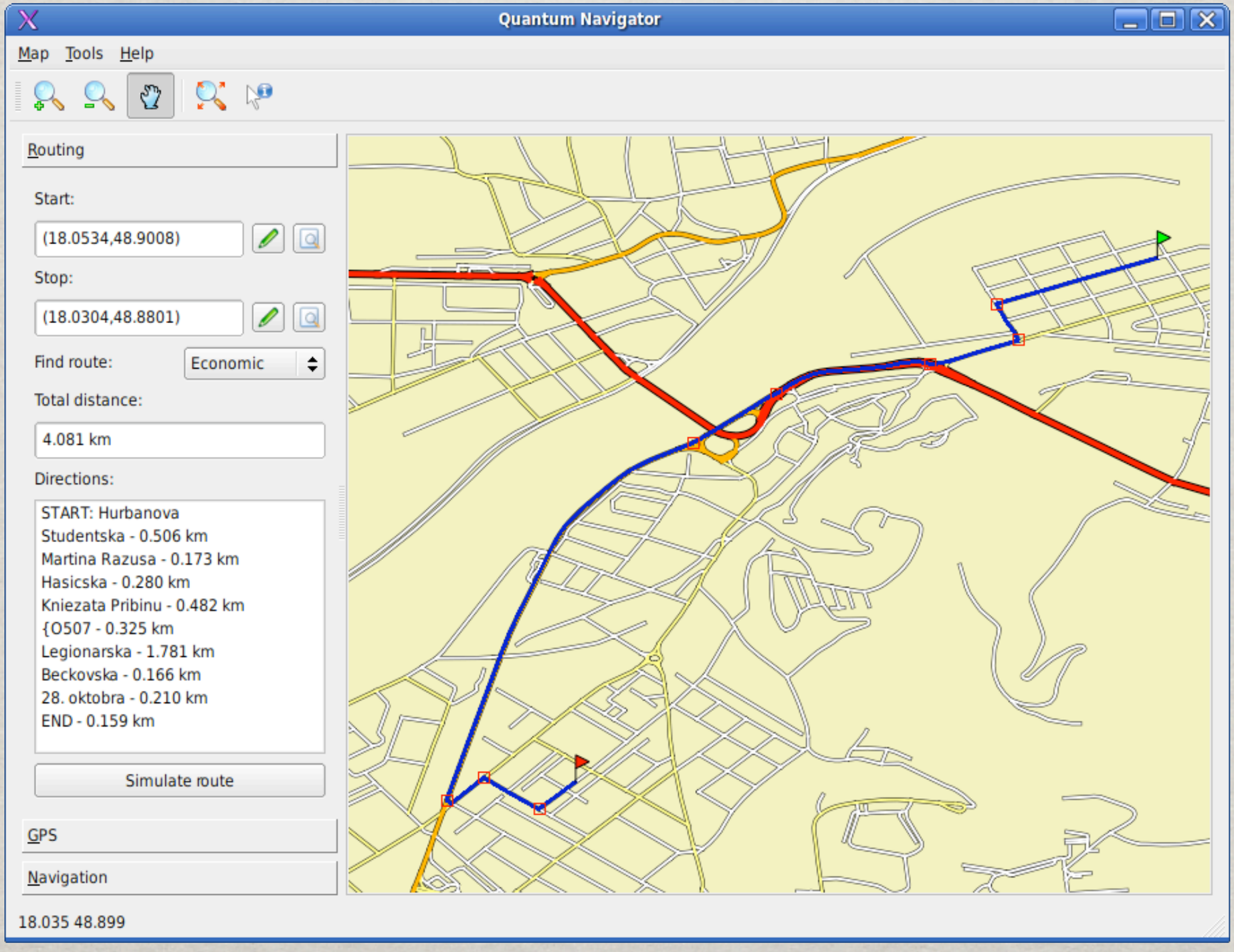
The Future

PyQGIS

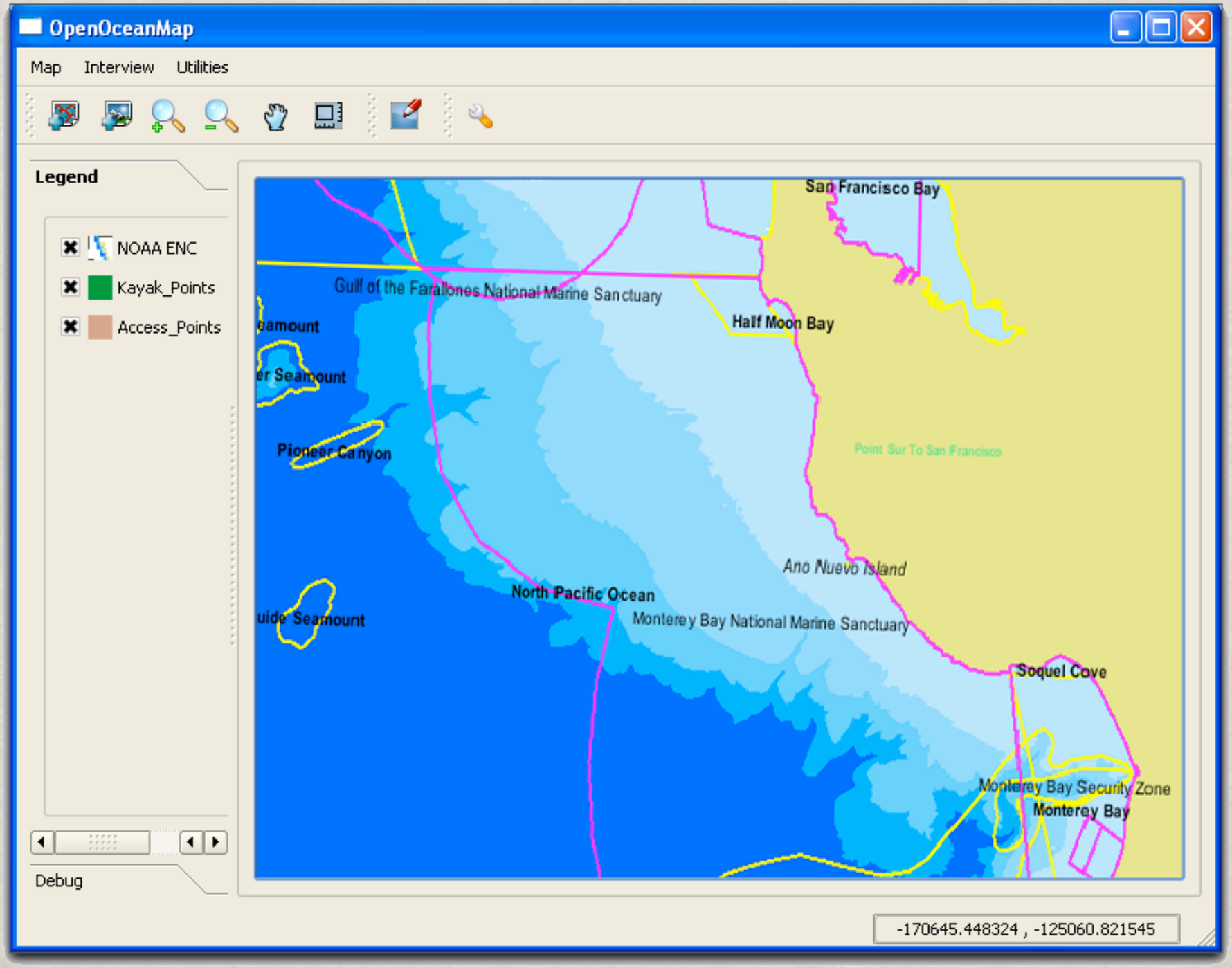
- Python Bindings for QGIS
- Available at version 0.9
- Create standalone applications
- Create plugins



PyQGIS - Quantum Navigator



OpenOceanMap



Wednesday 8:30 AM in Oak Bay 2

Goals For 1.0

- Stable API for developing plugins and applications using the QGIS libraries
- Improved stability and user experience
- Completion of remaining 1.0 target features
  - http://wiki.qgis.org/features-1.0.html

Things We Need to Improve

- Labeling
- Map layout and composition
- Raster handling (large sets or catalogs)
- General usability

QGIS and OSGeo

- QGIS is an incubating OSGeo project
- Effort is still in the early stages
- Code review has begun

Project Management

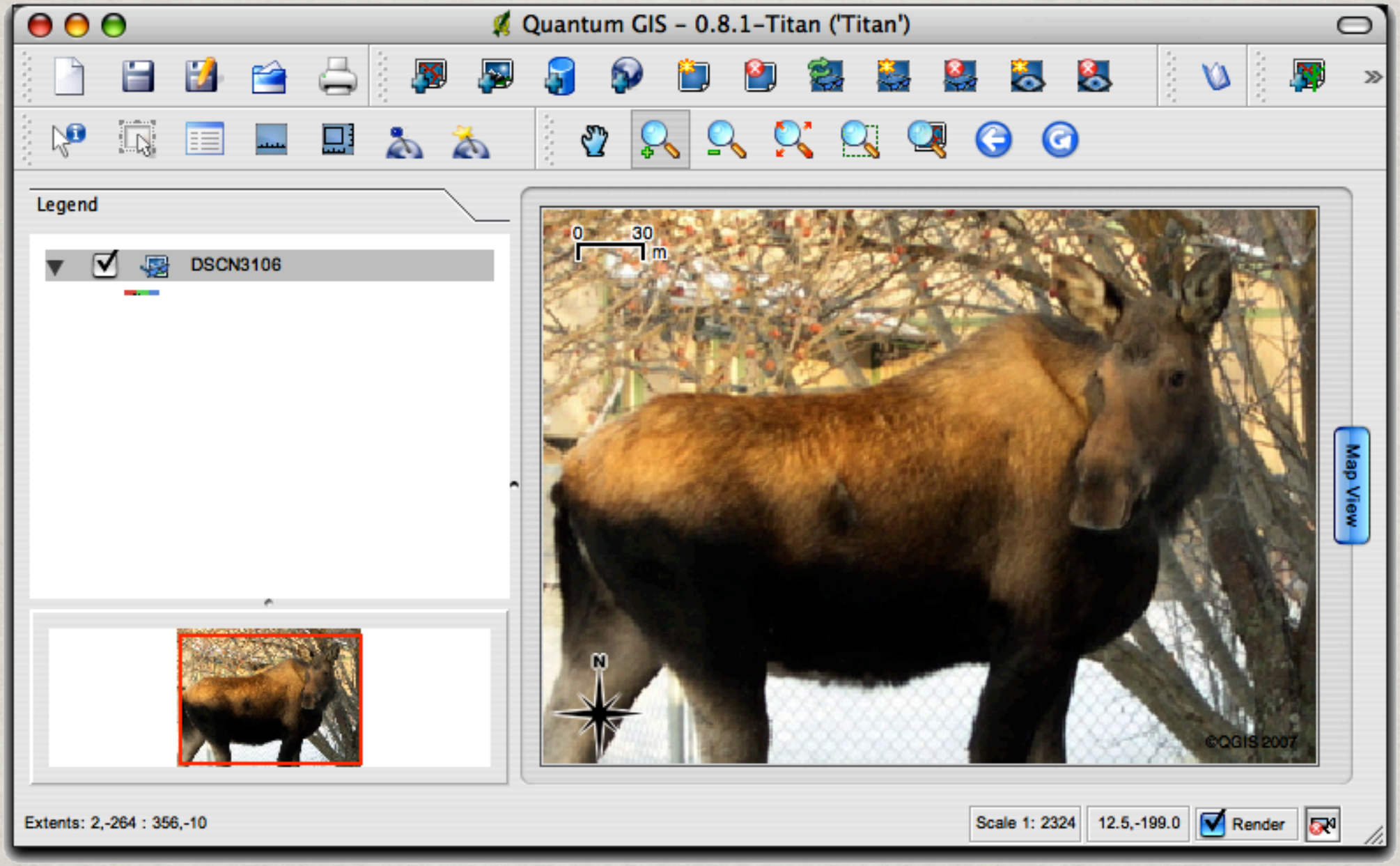
- The Project Management Committee was established in 2006
- Elections held July 2007

Role	Representative
Community Resources	Otto Dassau
Technical Advisor	Marco Hugentobler
Release Manager	Tim Sutton
Finance & Marketing	Vacant
Chairperson	Gary Sherman

How You Can Help

- Join the mailing lists and forum
- Answer user's questions
- Submit patches
- Translate QGIS (application and documentation)
- Submit bug reports
- Join the development team
- Contribute programming examples/code

Questions?



http://qgis.org