

MARINE BIOLOGY DATA GEOGRAPHIC INFORMATION SYSTEM

Joel Bobosky

Progress

Task	Completion %	To do
1. Talk to Marine Biology	100%	Check in with progress reports
2. Choose tool	100%	none
3. Familiarize with data	80%	Find an example PostGIS database
4. Requirement Document	100%	none
5. Design Document	100%	none
6. Test Plan	100%	none

PostgreSQL



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open source database.

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PostgreSQL minor version bug-fixes released!

The PostgreSQL Global Development Group announces updates for all active branches of the PostgreSQL object-relational database system, including versions 9.1.2, 9.0.6, 8.4.10, 8.3.17 and 8.2.23. This release fixes a long list of bugs, including several potential crash and data-corruption issues.

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Under loads heavy and light, with virtually no administration overhead, PostgreSQL chugs along and "just works".

Benjamin Smith, CTO, [Charterworks](#)

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» LATEST RELEASES

- [9.1.2](#) · 2011-12-05 · [Notes](#)
- [9.0.6](#) · 2011-12-05 · [Notes](#)
- [8.4.10](#) · 2011-12-05 · [Notes](#)
- [8.3.17](#) · 2011-12-05 · [Notes](#)

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[Post-GIS Day](#)

November 17, 2011

[GIS Day](#) is November 16th this year, making November 17th Post-GIS Day. How will you celebrate?

[PostGIS 1.5.3 Release](#)

June 27, 2011

The PostGIS team is proud to announce the release of version 1.5.3. This is a minor release addressing a few issues that have been filed since the 1.5.2 release in addition to fixes that allow it to compile against PostgreSQL 9.1beta.

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What is PostGIS?

PostGIS adds support for geographic objects to the [PostgreSQL](#) object-relational database. In effect, PostGIS "spatially enables" the PostgreSQL server, allowing it to be used as a backend spatial database for geographic information systems (GIS), much like ESRI's SDE or Oracle's Spatial extension. PostGIS follows the [OpenGIS "Simple Features Specification for SQL"](#) and has been certified as compliant with the "Types and Functions" profile.

PostGIS has been developed by [Refractions Research](#) as a project in [open source](#) spatial database technology. PostGIS is released under the [GNU General Public License](#). We continue to develop PostGIS, and have added [user interface tools](#), basic topology support, data validation, coordinate transformation, programming APIs and much more. Our list of future projects includes full topology support, raster support, networks and routing, three dimensional surfaces, curves and splines and other features. [Ask us](#) about [consulting services](#) and implementing new features.



Case Studies

Learn how PostGIS is being used around the world.

[North Dakota State Water Commission](#)

The North Dakota State Water Commission manages all their hydrological and spatial data inside PostgreSQL and PostGIS. Five years ago, they were using only proprietary software, now they are using mostly open source.

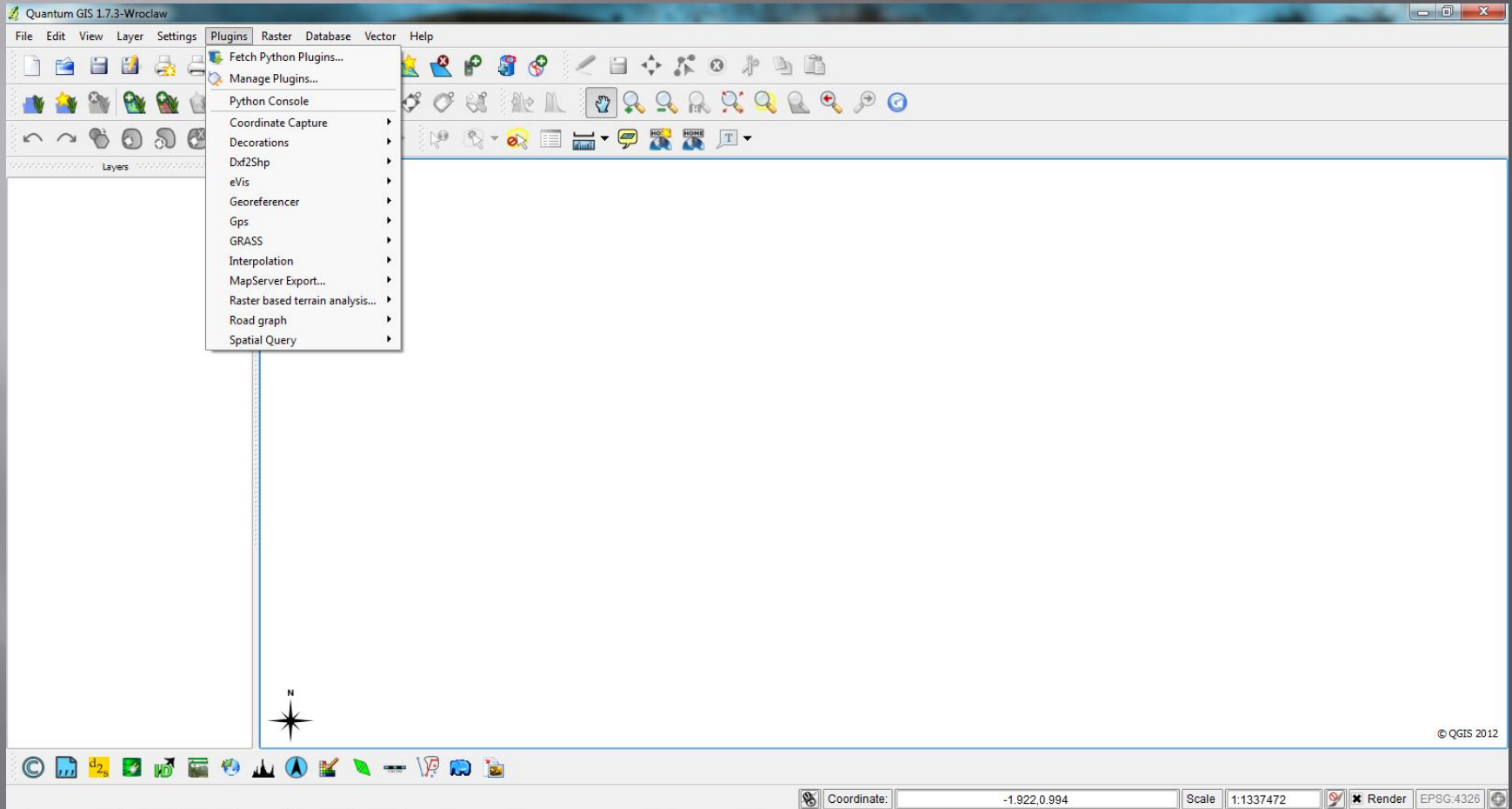
[GlobeExplorer](#)

GlobeExplorer serves terabytes of imagery to clients around the world using PostGIS as their production database server. In 2004, GlobeExplorer migrated from Informix to PostGIS, and now they are serving over a million requests a day with PostGIS.

[EcoTrust, Oregon](#)

Building on the local and scientific knowledge of the Pacific Rim Bio-Region, Ecotrust is attempting to increase ecological awareness through the use of GIS and spatially enabled technologies.

QGIS



Milestone 2

Task
1. Learn MySQL
2. Convert data into PostGIS database
3. Determine how to interface with QGIS