

Getting to grips with FOSSGIS

In this course we will take you on a tour through some popular parts of the FOSS GIS toolset. We will focus on Desktop GIS, and GIS Databases. Our aim is to make you comfortable with FOSSGIS tools for day to day GIS work - be it data capture and visualisation, data management or more complex analytical activities requiring database queries.

Desktop GIS

2 Days: Quantum GIS provides a compelling alternative to proprietary GIS in many situations. We will take you through the workflow of loading data from disparate sources, creating data from scratch, data analysis and producing a professional map suitable for delivery to a decision maker. We will also take a look at some of the many plugins available for QGIS and touch on the use of GRASS withing QGIS. Lastly we will look at how QGIS can be integrated into a multi-user enterprise environment by using it as a web services and geospatial database client.

GeoSpatial Data in PostGIS

3 Days: PostGIS and PostgreSQL provide a powerful, enterprise ready, geospatial relational database management system. With PostGIS you can insert geometries into a database and then perform spatial queries and analysis on that data. We will show you how to import and export data into PostGIS, manipulate that data using SQL queries (including INSERT, UPDATE, DELETE and SELECT operations), and of course visualise the resulting datasets with QGIS. Note that the content in this module will be technical in nature but no basic working knowledge of database systems (tables, fields, primary and foreign keys etc.) is assumed, so we are 'starting from scratch'.

We will also look at how PostGIS is used in the context of rolling out an integrated FOSS based GIS solution. PostGIS is the cornerstone providing a platform from which to carry out desktop GIS, in database analysis and data cleaning, web mapping and the provision of OGC compliant web services.

About FOSSGIS Academy

The FOSSGIS Academy is a joint venture between Linfiniti Consulting CC, Afrispatial Consulting CC and Geograph (Pty) Ltd. FOSSGIS Academy was formed with the aim of creating a formalised FOSSGIS training curriculum in order to provide the needed injection of FOSSGIS skilled workers into the geospatial workplace. We aim to provide training courses in a professional environment at a reasonable price in order to show you how to make the best of all the great FOSSGIS tools out there.

About your instructors

Gavin Fleming (Paarl, Western Cape) is the founder of AfriSpatial (afrispatial.com). Afrispatial has significant expertise and experience in both the GIS world and the Open Source software world. We offer solutions and services to private clients who have the vision to 'Go Open' and to Government entities who are required to 'Go Open'.

Tim Sutton (Swellendam, Western Cape) has been an active contributor to QGIS since the early days of the project. Tim leverages FOSSGIS within his small consulting firm, Linfiniti Consulting CC (linfiniti.com) to provide web based and desktop GIS solutions for customers. Tim has a wealth of experience in GIS and system administration to share.

Venue, dates, contact etc.

Venue: The course will be held at 65 Main Road, Muizenberg 7945, Western Cape, South Africa. 34° 6'16.35"S 18°28'5.62"E

Dates: This 5 day course will run from 18-22 October, 2010.

Contact: For course details and information, please contact +27 (0)791038307 or email us at office@linfiniti.com

Price: R8975 ex vat per person attending (lunch and teas will be provided, excludes accommodation)

More Info: <http://fossgisacademy.com>