FOSSGIS

FREE AND OPEN SOURCE GIS
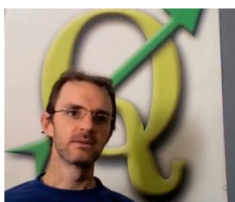
Dates:
Mon 2 - Fri 6
August 2010

Cost:

R 5000*

*Excludes VAT,
meals and
accommodation.

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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 and GRASS provide a compelling alternative to proprietary GIS in many situations. We will take you through the basics of using these applications and then delve into two key areas - geoprocessing with GRASS and making the most of the rich ecosystem of QGIS plugins.

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 your instructors

Born in Germany and now resident in Switzerland, Horst Duester is the manager for the Swiss state of Solothurn's GIS group. Horst has lead the development of a complete, integrated GIS system for the state using only FOSSGIS software. Horst is also an active participant of the QGIS project. He has been instrumental in facilitating QGIS's growth through their 'build it, don't buy it' policy which makes the additions and extentions to QGIS that they sponsor available to the greater public. Horst is also an accomplished PostGIS user - it is the cornerstone of their GIS implementation.

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, Linfinti 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 and contact details

The course will be held at Linfiniti Consulting CC, 3 Buirski Plein, Jansens Street, Swellendam.

For accommodation try one of the following: Lulu's Place - 028 514 2202 or 082 343 4648, Rooje van de Kaap: 028 514 3001 www.roosjevandekaap.com, The Hideaway - nicest rooms of the ones I looked at: 028 514 3316 www.hideawaybb.co.za, African Shades - said you will get a discount if you mention my name / Linfiniti (speak to Hein): 028 514 2944 / 073 2512914

All venues are within ten minutes walking distance of our offices. And there are lots of restuarants / shops / takeaways close by.

For transport contact Peter here: http://www.fynbus.co.za/contact.html