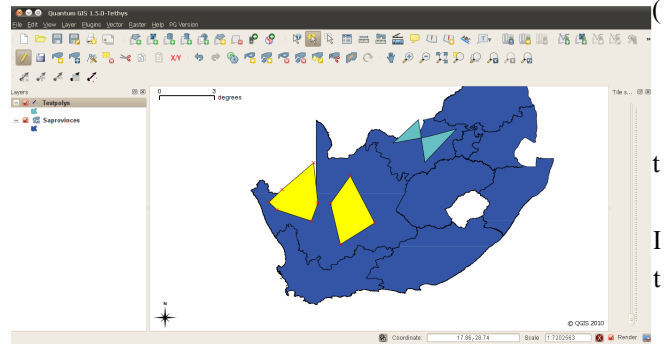


Getting to grips with FOSSGIS

Free and Open Source Software (FOSS) is taking the world by storm, and the GIS arena is no exception.

More and more governments, corporations and individuals are turning to the powerful capabilities of FOSS software to solve their problems. In this course we will take you on a tour through some popular parts of the FOSS GIS toolset - with an emphasis on desktop GIS. 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.



3 Day Course Overview

The course will use the 'make a map for a decision maker' paradigm to lead you through the various activities involved in making a high quality paper or digital map including:

- what is FOSS and why should you care?
- loading and visualisation of vector and raster data
- raster georeferencing
- data transformation
- data capture
- vector analysis tools
- raster analysis
- using FOSSGIS to carry out a typical analysis workflow
- using plugins to extend the things you can do
- designing a map layout

We will also spend some time looking at how to build a GeoSpatial Database using the PostGIS spatial extension to PostgreSQL. Creating a GeoSpatial Database will let you share your data with others and provides a great platform from which you can publish data via web mapping services.



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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 (SO!GIS). 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 extensions to QGIS that they sponsor available to the greater public. Horst is also an accomplished PostGIS user - it is the cornerstone of the (SO!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, 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.