

Registration Form

Name: _____

Organization: _____

Address: _____

City: _____

Pin code: _____

Phone:(With Code) _____

E-Mail: _____

A Demand Draft* is enclosed for
Rs. _____ No. _____ Dated

(*Drawn in favor of "TERI University"
payable at New Delhi)

Date: _____ Signature _____

We are sponsoring the above delegate(s) to
attend the programme.

Date: _____ Signature: _____

Designation _____

Registration Fee: Rs.10,000/-

Fee includes Course Material, Quantum GIS
Software CD, Tea and Lunch for five days. Par-
ticipants should make their own arrangement
for stay.

About the University

The TERI University is a deemed university, with its
'green' campus located at Vasant Kunj in New Delhi. It
has been set up as an institution of higher learning to
meet the needs for a rapidly developing India. But, as a
global institution, while it draws strength from the
ethos and traditions of India, the University reaches
out in sourcing knowledge from across the globe. The
university offers doctoral and master's level programmes
in various areas related to sustainable development.

About the Department

The Department of Natural Resources aims to advance
and impart knowledge about the environment and natu-
ral resources, including their characteristics and dynam-
ics, their economic and societal value, and their
management in an ecologically, socially, technically and
economically sound and sustainable manner. The de-
partment offers MSc programmes on Environmental
Studies, Natural Resources Management, Water Re-
sources Management, Plant Biotechnology, Climate Sci-
ence & Policy and Geoinformatics. The department has
well equipped laboratories including GIS laboratory
with latest hardware and software on GIS

For sending Registration Form & Other details contact:

Dr P K Joshi

Head & Associate Professor
Department of Natural Resources
TERI University
10 Institutional Area, Vasant Kunj
New Delhi 110 070
Contact +91-11-2612 2222 (O); 2612 2874(F)
Email: pkjoshi@teri.res.in

Five Day

Training Program

on

Open Source

Geographic Information Systems

Quantum GIS

12th - 16th April, 2010

Organized by



Department of Natural Resources

Faculty of Applied Sciences

TERI University

New Delhi 110 070

In collaboration with:



Venue

TERI University

10 Institutional Area, Vasant Kunj

New Delhi 110 070

www.teriuniversity.ac.in

+91-11-2612 2222 (O); 2612 2874(F)

Open Source GIS

Geographic Information Systems (GIS) have become a tool with widespread use in developmental applications. The power of a GIS can have a positive influence in community based planning and scientific decision making for developmental activities.

However, the life-cycle cost of commercial GIS packages and the ever changing hardware requirements to support these packages make the economics of implementation difficult.

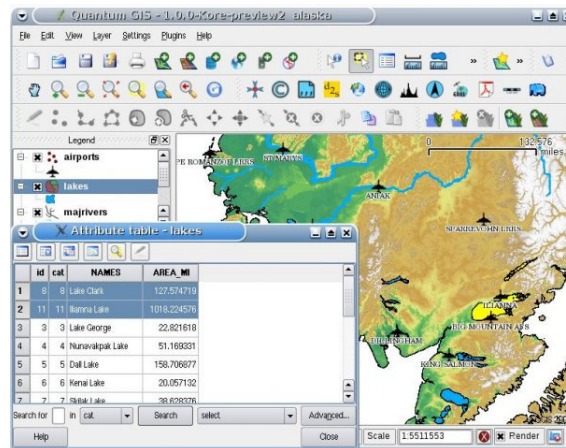
Until recently open-source GIS packages did not have the capabilities and user-friendliness of commercial packages.

Recent developments by the open-source community has resulted in the development of Quantum GIS which is a low cost high quality GIS software.

This training program in *Quantum GIS* is organized to introduce GIS users to the powerful features of this open source package. The program is focused on training users such as NGO's, government departments and researchers who use GIS for developmental applications.

Quantum GIS

- View and overlay vector and raster data in different formats and projections.
- Supports ESRI shape file, Geodatabase, Map-Info, PostGIS and other vector formats
- Supports all industry standard raster formats
- User friendly GUI
- Create maps and interactively explore spatial data with a friendly graphical user interface.
- Supports download/upload directly to a GPS
- Extensible plugin architecture to support customization for special needs
- Perform spatial analysis using the fTools plugin
- Perform powerful GIS operations using GRASS Plugin
- Prepare maps for Printing using Print Composer
- Runs on Windows, Linux & Mac
- Requires less memory and processing power and hence can be used on older hardware



Course Topics

Day 1:

- Introduction to GIS
- Introduction to Open Source GIS
- Introduction to Quantum GIS
- Displaying Data

Day 2:

- Projection Symbology, Labeling
- Introduction to Plugins
- Georeferencing

Day 3:

- Creating and Editing Data
- Attribute Querying
- Core Plugins
- Map Composer

Day 4:

- Vector data processing—fTools Plugin
- Vector Spatial Analysis—fTools Plugin

Day 5:

- Introduction to GRASS Plugin
- Creating/Editing Data through GRASS Plugin
- Topology using GRASS Plugin
- Spatial Analysis using GRASS Plugin

All Concepts will be reinforced with lab sessions