AgriGIS Workshop & Think Tank

27-28 Oct 2016 (09:00 – 17:00)

Nairobi, Kenya

Hands on QGIS 2.8.3
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QGIS Exercise 1:

Exploring QGIS
Start QGIS
Open a .qgs file
Setting up your QGIS layout
Introduction to the standard toolbar
Introduction to the layer panel

QGIS Exercise 2:

Adding Vector Data
Start QGIS and add vector data
Change a layer name
Symbolize spatial data
Label features
Subset a district from entire country through Query
Save your map document

QGIS Practical Exercise 3:

Objective of the exercise:

Produce a map of Kenya showing different landuse types.
For each Landuse type, select good pattern and color

Overlay the following layers:

- Roads – classify them into Major (1) and Minor (2). Select good color/pattern/size for each.
- Major towns. Select good color/symbol/size
- Kenya districts boundaries

Label/print the names of the major towns and Kenya districts. Position the names appropriately. Please, select good sizes and font for each.

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In the layout:
Add the following:
Title of the map, legend, scale bar, North arrow, data sources, acknowledgement, your name as the maker of the map, logo, etc

> ➢ From the Landuse shape file, derive a table showing total area in Kms covered by each landuse type.

> ➢ What is the total area in KMs covered by agricultural area (sparse or Dense)?

For those wishing to learn GIS, there are free online materials that the GeoForAll colleagues at FOSS4G Academy have provided.

The Curriculum and comprehensive QGIS tutorials are at
http://spatialquerylab.com/foss4g-academy-curriculum/
https://canvas.instructure.com/courses/941260/assignments/syllabus

Download QGIS from http://qgis.org/en/site/