

2016 Jul 25

Open Source GIS User Group - Intro to QGIS

The 3rd Open Source GIS User Group meeting was a presentation on QGIS. The following is an outline of what was presented. A corresponding short guide is provided for you to use to explore QGIS: Download [IntroQGIS](#) pdf.

Quick Introduction to QGIS 2.14 LTR

Presented by: Stephanie Saephan

1. What is QGIS?

- Free, cross platform, opensource GIS software
- One of the most widely used OS GIS – very popular
- Started in 2002 as more of a data viewer and has since grown into a full blown GIS application
- On-going development with bug fixes and new features added on a regular basis.

2. Installing QGIS

- Stand-alone installer (current 2.16 and LTR 2.14) – recommended for beginners
- OSGEO4W windows installer (32/64bit, bundles other opensource packages) – recommended for advanced users.
- Can have multiple versions on same machine, but can only use one version at a time

3. QGIS Desktop – a demonstration of the software to include the following:

- Components of the user interface
- Installing QGIS plugins
- QuickMapService (basemaps)

- Configuring the user interface
- Moving toolbars and panels
- Hide/show toolbars and panels
- General global settings
- Coordinate Reference System (CRS) and Map Scale
 - EPSG: European Petroleum Survey Group (open standard codes for coordinate systems, datums, etc. See spatialreference.org, prj2epsg.org)
 - Default global CRS in QGIS (EPSG: 4326 or WGS84)
 - Map Scale: ratio, measurement unit defaults (project CRS)
- Adding and viewing spatial data
 - Shapefiles (zipped and unzipped)
 - Geodatabases (file gdb – read only for gdb created with AG10.x)
 - WMS, WFS
- Symbology options
- Labeling options
- Print Composer – making a map
 - New composer
 - Guide lines
 - Linking map project with print composer
 - Adding map inset/overview map
 - Scale bar
 - North arrow (add as image)
 - Legend
 - Export map
- QGIS Browser
- Questions? Comments?

I am planning the next open source GIS user group meeting, for sometime in September. If you know open source GIS and would like to do a presentation, demonstration, or workshop please let me know.

Thanks.

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24th, 2017

Open Source GIS User Group
Meetup - Notes & Summary >

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