



Exercise 0: Installing QGIS & Plugins

In this exercise you will learn how to install QGIS and add plugins to expand the functionality of the software. The instructions will vary depending on your operating system.

Section 1: Download and Install QGIS

If you are using Windows Vista or Windows 7, you will need to right click and select **Run as Administrator**. If you do not use this method, the software will install but not run correctly. If you are using an older version of Windows XP and do not have the C++ Runtime Engine, the software will not operate correctly. Download the latest package and install this prior to installing QGIS. If you have an earlier version of QGIS installed on your computer, you will need to uninstall it.

1. Copy Vietnam_Training folder from the USB drive provided to your computer
2. The Vietnam_Training folder contains QGIS 1.8.0 installation files: QGIS – 1.8.0-2-Setup.exe
3. Install QGIS using the *.exe file

OR

1. Use a web browser and navigate to <http://www.qgis.org>
2. Click download and select the current version. For Windows users, choose 1 Windows – 1.1 Standalone Installer (recommended for new users)

NOTE: Since this is open-source software, changes are constantly being made to the code. This manual was created version 1.8.0 Lisboa. Icons and menus may be different in other versions.

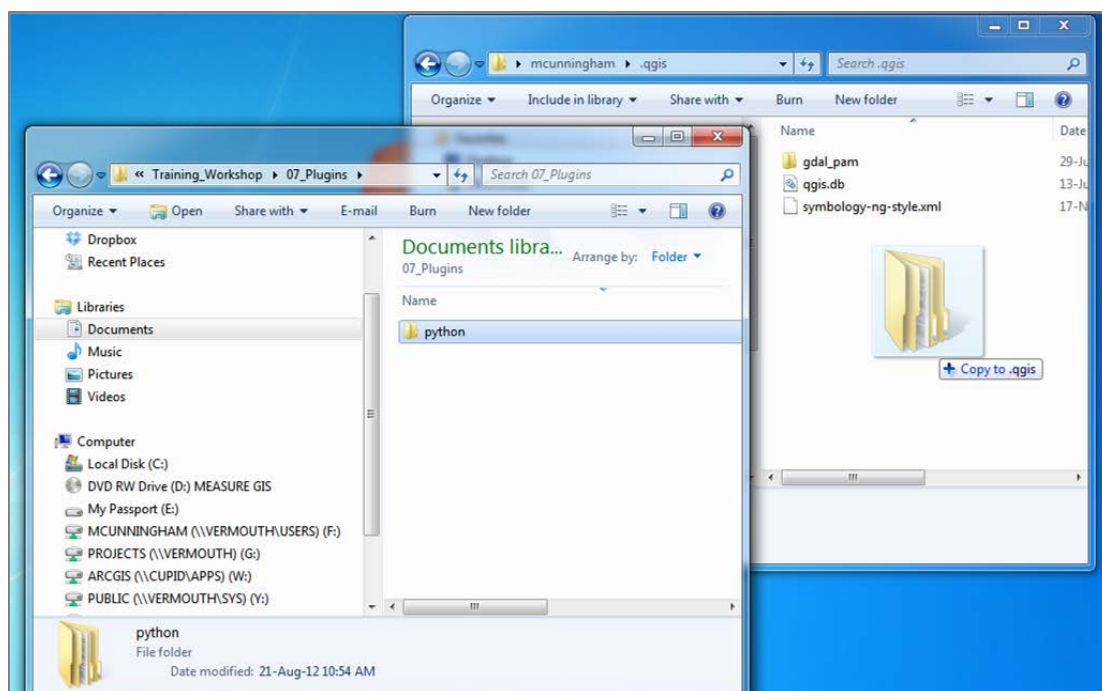
3. Once the download is complete, install using the *.exe file

Section 2: Install Plugins Off-line

Plugins add functionality to the basic installation of QGIS. These tools are written by members of the open source community. Some are highly complex while others are basic, meant to accomplish one specific task. You can install as many or as few as needed. You can download the Plugins online via the “Fetch Python Plugins” option (See Appendix) or you can install them from the training folder.

1. We have pre-downloaded several commonly used plugins which you can install off-line. Open the 02_Plugins folder in the Training Folder. In a separate window, browse to the .qgis folder located at C:\Users\YourUserName\.qgis\
2. Copy the python folder from the Training_Workshop/02_Plugins folder to the .qgis folder.

NOTE: If you have installed plugins, this will replace them.

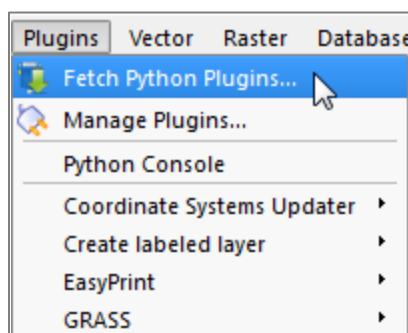


Let's open QGIS and look at the plugins we've installed.

3. If you have a shortcut for QGIS on your desktop, , double click it to start QGIS. Otherwise, click *Start>Programs>Quantum GIS Lisboa>Quantum GIS Desktop(1.8.0)*

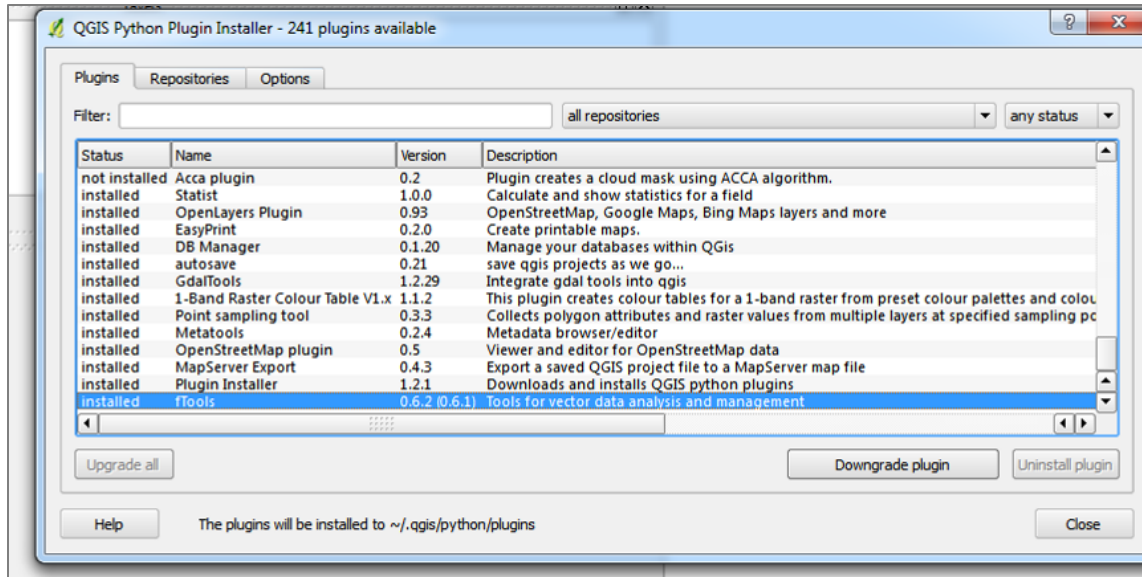
NOTE: Make sure that you open Quantum GIS Desktop, not the similarly titled Quantum GIS Browser.

4. Click *Plugin > Fetch Python Plugins...*



NOTE: You must be connected to a stable internet connection to download more plugins.

5. The *QGIS Python Plugin Installer* window will appear. Your window may show fewer plugins than the image below. Read through the descriptions of the plugins which are installed.



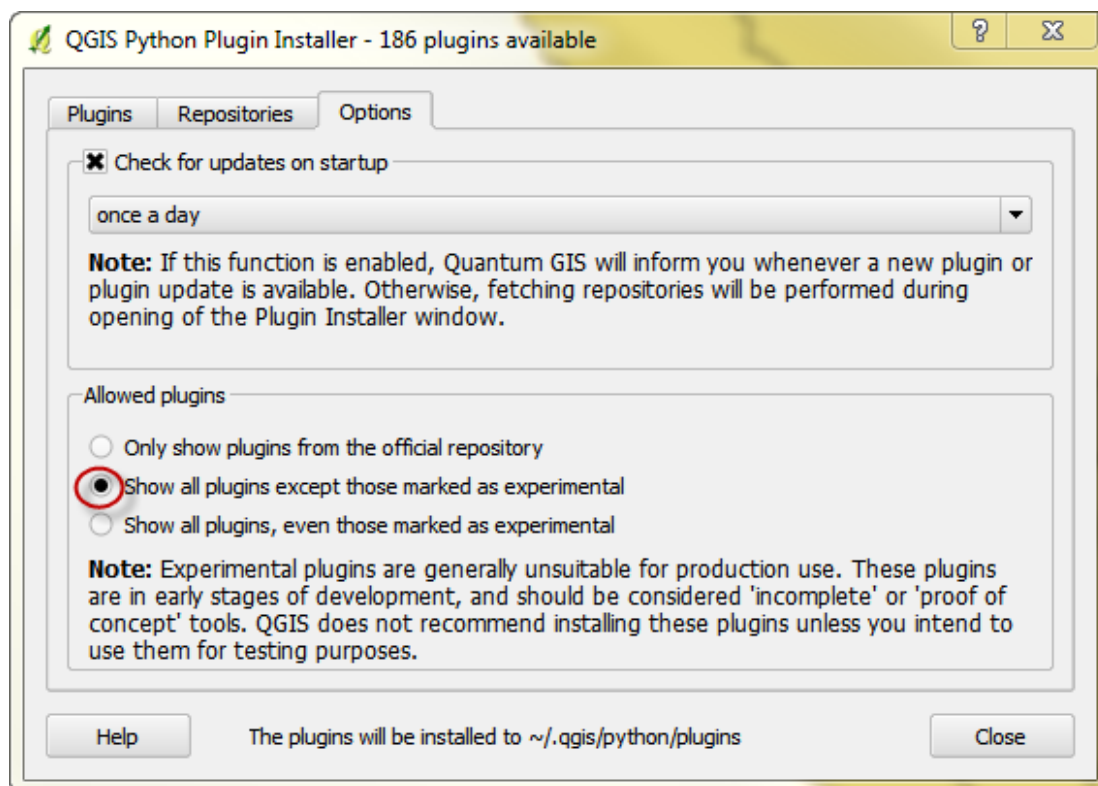
6. You should the following plugins:

- 1-Band Raster Colour Table V1.x (from the bcccoltbl1 tools plugin folder)
- EasyPrint
- Metatools
- Point sampling tool
- Statist
- ZonalStats
- Open Layers Plugin
- AutoSave
- fTools.

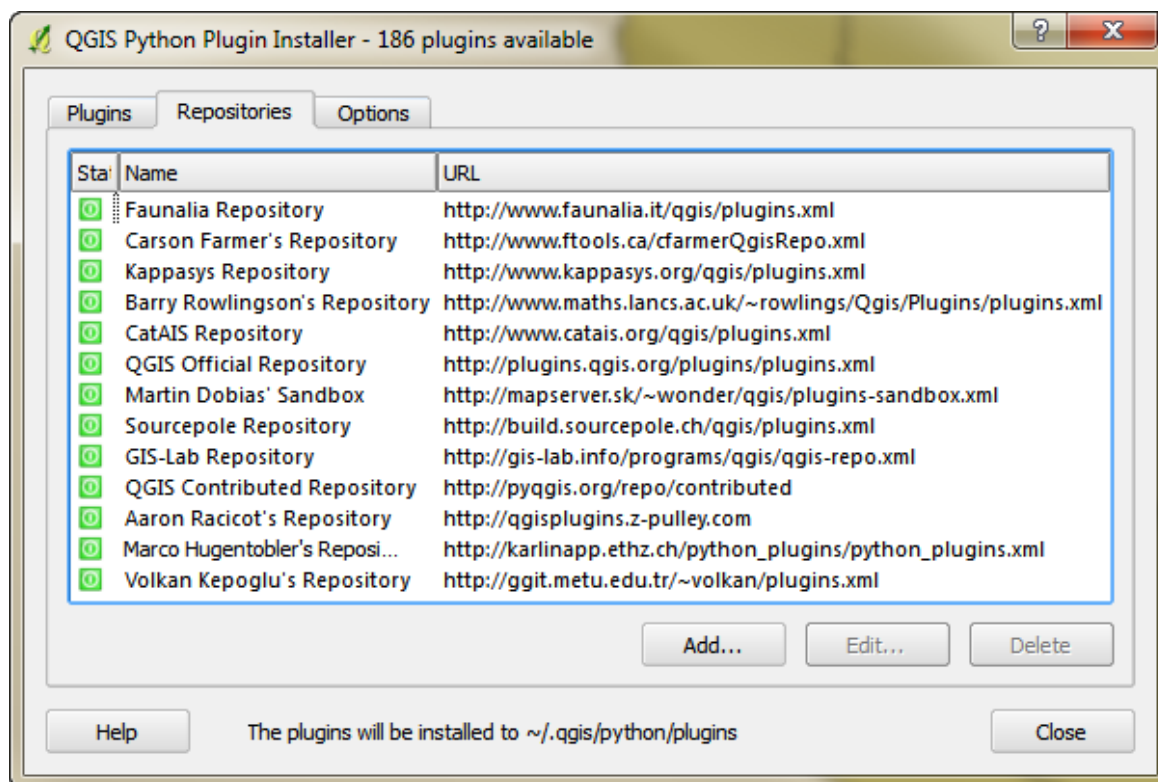
7. Click the *Options* tab.

8. Select the radio button next to *Show all plugins except those marked as experimental*.

NOTE: The standard default repository is the 'official QGIS' server. Changing the default option will allow you to view and install additional plugins from different sources.



9. If you have an internet connection, you can use the *Repository* tab to add additional sources of plugins. See the appendix for detailed instructions.

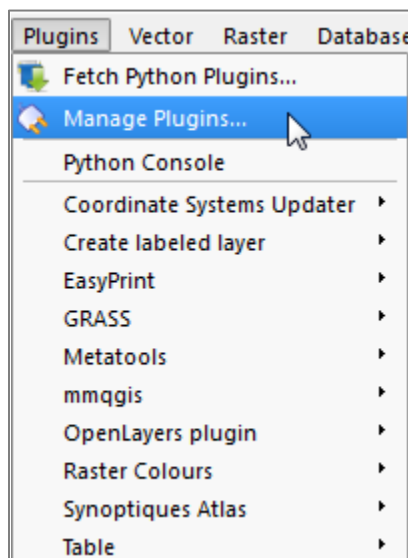


10. Click *Close*.

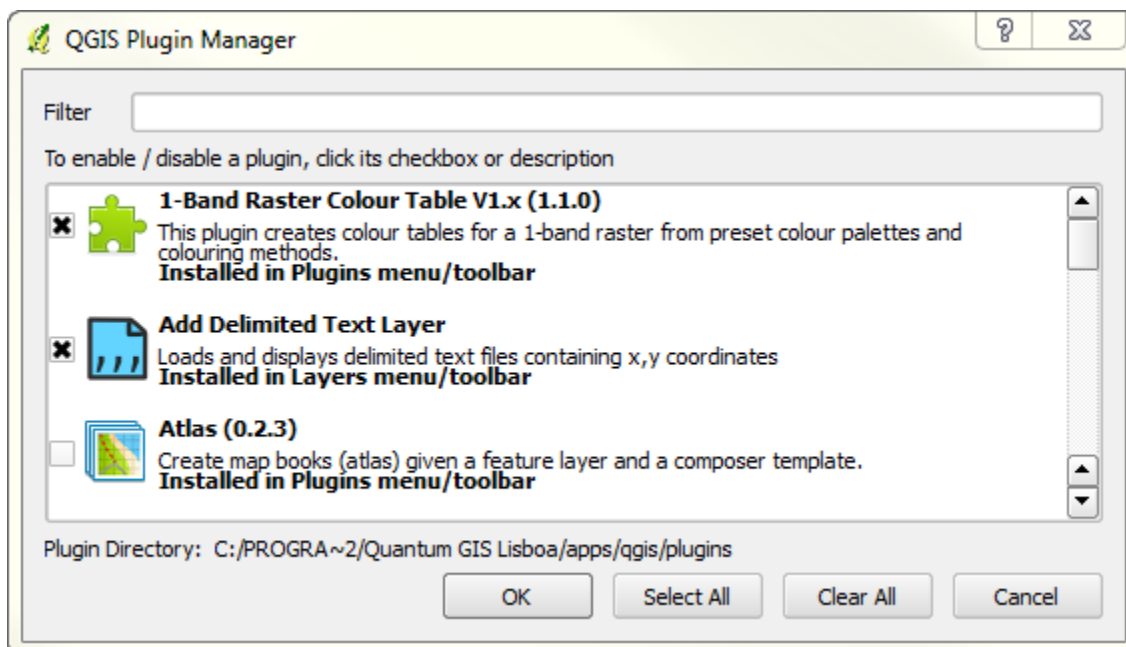
11. Restart QGIS Desktop.

Section 3: Add Plugins

1. Click *Plugins > Manage Plugins...*



2. Within this dialog box you can add the installed plugins to QGIS.



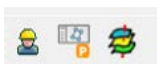
3. Select the check box next to the following plugins:

- 1-Band Raster Colour Table V1.x
- Add Delimited Text Layer


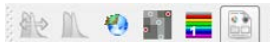
- Easy Print
- GPS Tools
- Metatools
- Open Layers Plugin
- Point Sampling Tool
- Statist
- ZonalStats
- fTools plugins
- Any additional plugins you wish to add and click *OK*.

4. You should now see several plugins as buttons on the *Plugins Toolbar* at the bottom left of the screen. These plugins

may also be found in the Plugins menu.



NOTE: Your *Plugin Toolbar* buttons will vary depending on which are installed. Hover with the mouse over each button to display the text description. If you experience problems after installing a plugin, uninstall it.

NOTE: Some of the Plugins add themselves under other toolbars: For example, Statist shows up on the Vector toolbar  and ZonalStats shows up on the Raster toolbar 

End Exercise.

The information provided in this exercise is not official American Red Cross information and does not necessarily represent the views of the American Red Cross. The exercise was adapted from materials produced by MEASURE DHS and MEASURE Evaluation, which are funded by the U.S. Agency for International Development (USAID). The information from those materials is not official U.S. government information and does not necessarily represent the views of USAID or the U.S. government.

Appendix: Install Plugins online

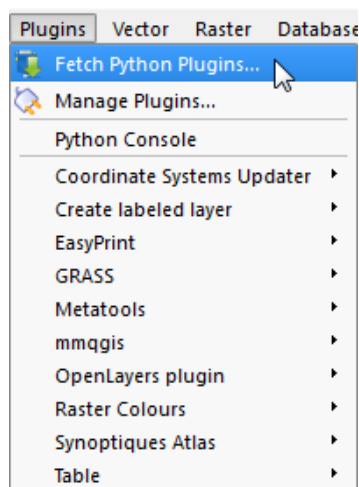
Plugins add functionality to the basic installation of QGIS. These tools are written by members of the open source community. Some are highly complex while others are basic, meant to accomplish one specific task. You can install as many or as few as needed.



1. If you have a shortcut for QGIS on your desktop, double click it to start *QGIS*. Otherwise, click *Start > Programs > Quantum GIS Lisboa > Quantum GIS Desktop(1.8.0)*.

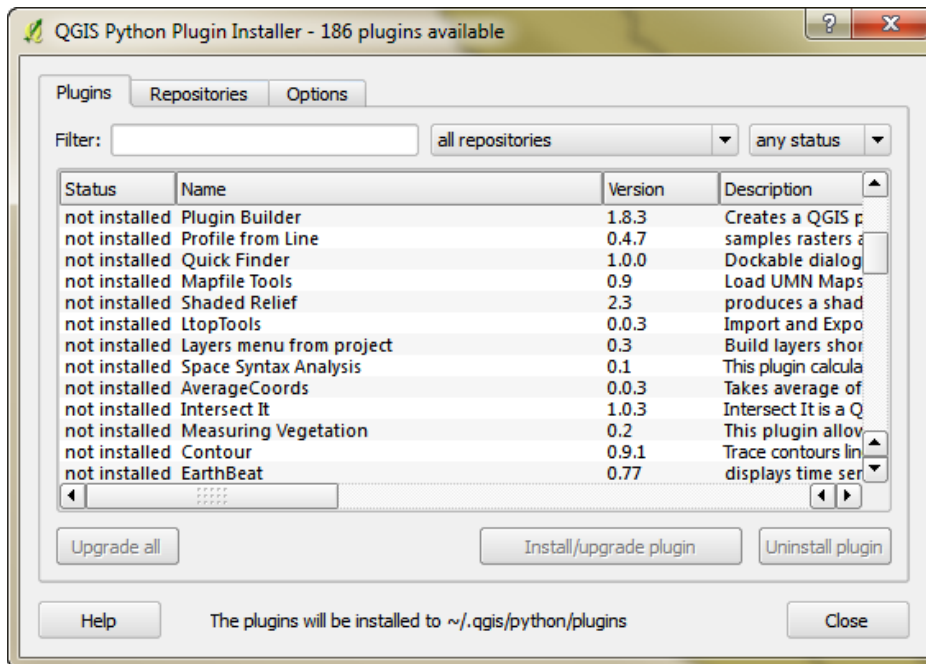
NOTE: Make sure that you open Quantum GIS Desktop, not the similarly titled Quantum GIS Browser.

2. Click *Plugin > Fetch Python Plugins...*



NOTE: You must be connected to a stable internet connection. The plugins are installed through the web.

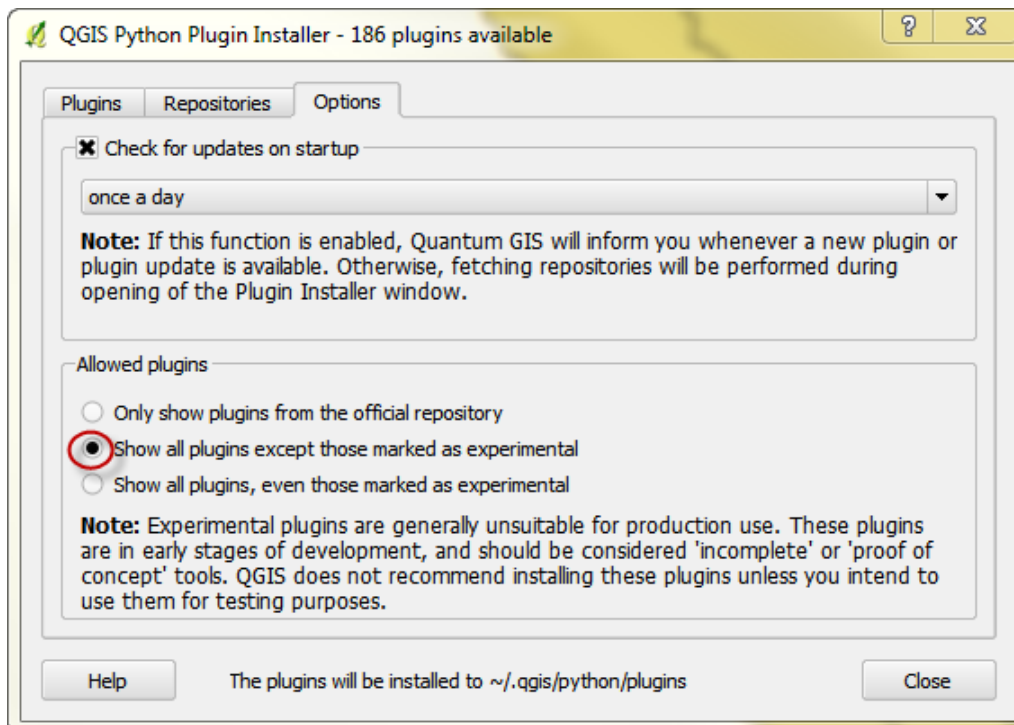
3. The *QGIS Python Plugin Installer* window will appear once the connection to the internet is verified. Your window may show less plugins than the image below.



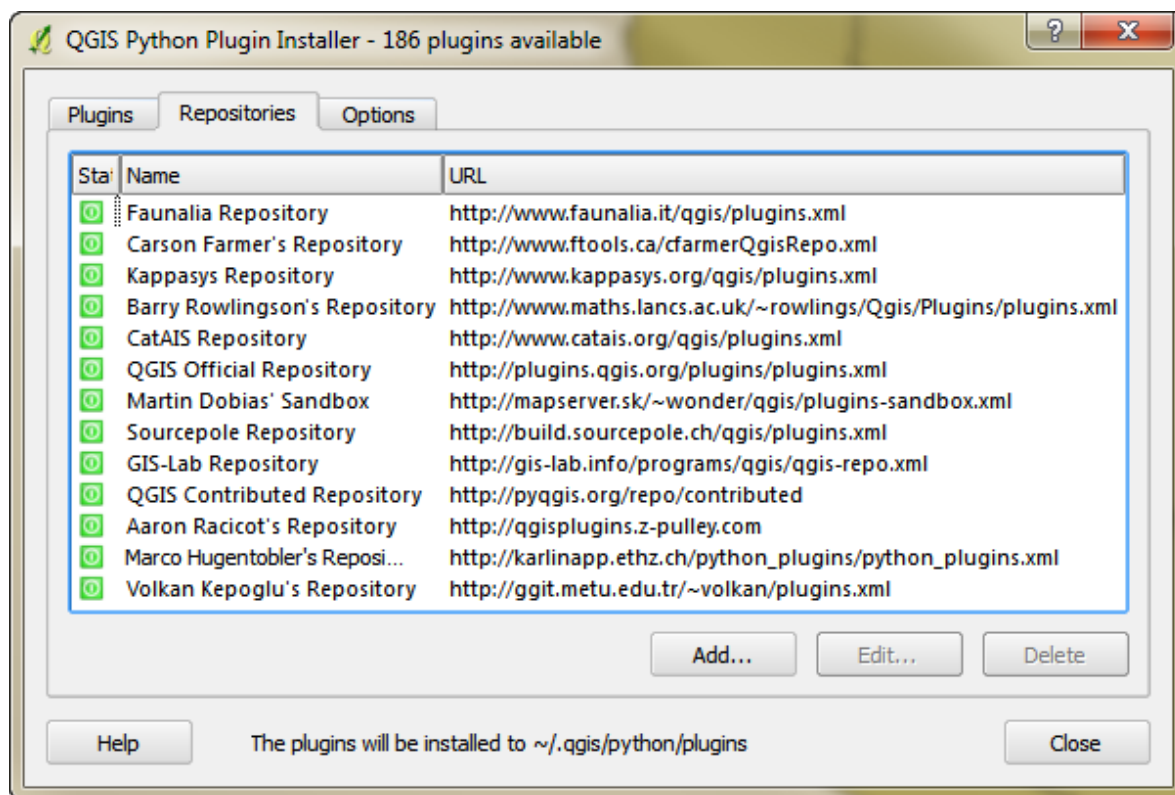
4. Click the *Options* tab.

5. Select the radio button next to *Show all plugins except those marked as experimental*.

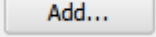
NOTE: The standard default repository is the 'official QGIS' server. Changing the default option will allow you to view and install additional plugins from different sources.



6. Click the *Repository* tab to view or add additional sources of plugins.

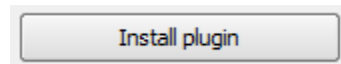


NOTE: If you know the URL of a specific repository not listed you can add it using the *Add...* button and entering the name and URL from the above image. URLs to some repositories are provided in the PluginsTracker.xls file

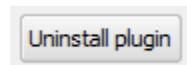
NOTE: Click the Add  button if you do not see the Sourcepole Repository listed.

- 1) Enter *Sourcepole Repository* for the Name.
- 2) Enter <http://build.sourcepole.ch/qgis/plugins.xml> for the URL.
- 3) Make sure the box next to *Enabled* is checked.
- 4) Click *OK*.

7. Click the *Plugins* tab.
8. Read through the *Description* and select the plugins you wish to install by clicking it. Selected plugins will appear bold.
9. To install a specific plugin, select the plugin and click *Install plugin*.



10. To uninstall a plugin, select the plugin and click *Uninstall plugin*.



11. Install at least the following plugins:



- 1-Band Raster Colour Table V1.x
- EasyPrint
- Metatools
- Point sampling tool
- Statist
- ZonalStats
- Open Layers Plugin

12. Click *Close*.

13. Restart QGIS Desktop.

14. Click *Plugin > Fetch Python Plugins...*

15. In the *Python Plugin Installer* window, verify that the plugins you just installed say *installed* under the Status section.

16. Return to Section 3 in the Plugins Exercise to Add in the plugins you have installed.