

# Extraction of Elevation Profile using SRTM or ASTER DEM

## Stepwise Process Flow Details

- **Step 1:** Install the SRTM Downloader Plugin
  - Open QGIS.
  - Go to the Plugins menu.
  - Select "Manage and Install Plugins."
  - In the Plugins dialog, search for "SRTM Downloader."
  - Click on the plugin and then click the "Install Plugin" button to install.
- **Step 2:** Access the SRTM Downloader Plugin
  - Once the plugin is installed, you should see a new menu item called "SRTM Downloader" in the QGIS toolbar.
- **Step 3:** Define Study Area
  - Zoom in to your study area in QGIS using the zoom and pan tools.
    - Use the rectangle or polygon selection tool to define the area you want to download the SRTM data for. You can find these selection tools in the QGIS toolbar.
- **Step 4:** Run the SRTM Downloader Plugin
  - Click on the "SRTM Downloader" menu in the QGIS toolbar.
  - Login using the Earthdata user account.
    - In the SRTM Downloader dialog, choose the output folder where you want to save the downloaded data.
- **Step 5:** Start the Download
  - Click the "OK" button to start the download process. The plugin will automatically download the SRTM data for the defined study area.
- **Step 6:** Process the Downloaded Data
  - Once the download is complete, the SRTM data will be available in the output folder you specified.
  - You can now use the downloaded SRTM data for your analysis in QGIS.

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