National Aeronautics and Space Administration

NASA

Homework 1: Due 1 August 2018

25 July 2018

Register on NASA Earthdata

- Use the following link to register on NASA Earthdata site: https://urs.earthdata.nasa.gov/users/new

- You create a username and password that will allow you to also download data from:
  – Giovanni
  – GDEx
  – SEDAC

Download and Install QGIS

- Use the following exercise to download and install QGIS on your computer: https://arset.gsfc.nasa.gov/sites/default/files/land/webinars/Advanced_Land_Classification/ARSET_Downloading_Installing_QGIS_Final.pdf

- You will be using QGIS for an exercise in the week 2 session

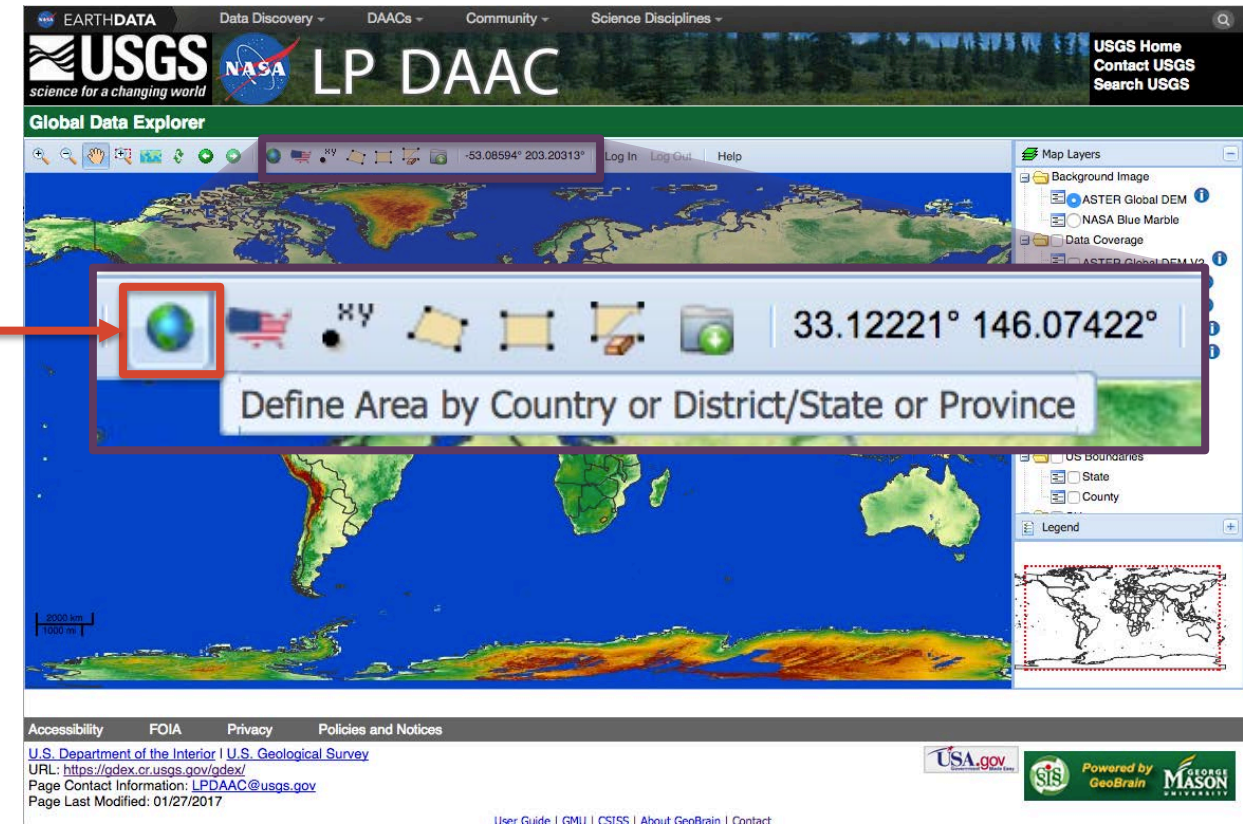# Access and Visualize SRTM Elevation Data Using GDEx

1. Go to the GDEx portal: http://gdex.cr.usgs.gov/gdex/

2. From the top menu bar, click **Log in**

3. If you click on the globe icon in the top menu bar, you will get an option to "Define Area by Country or District/State or Province" and a window for options

4. Select **Japan** in the window

Access and Visualize SRTM Elevation Data

5. In the **Map Layers**, select:
   - NASA SRTM 1 arcsec
   - Country
   - State
   - Cities
6. Click on the **Legend** below the Map Layer
7. Zoom in on Japan by using your computer mouse
8. Write down the elevation range near Hiroshima