

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

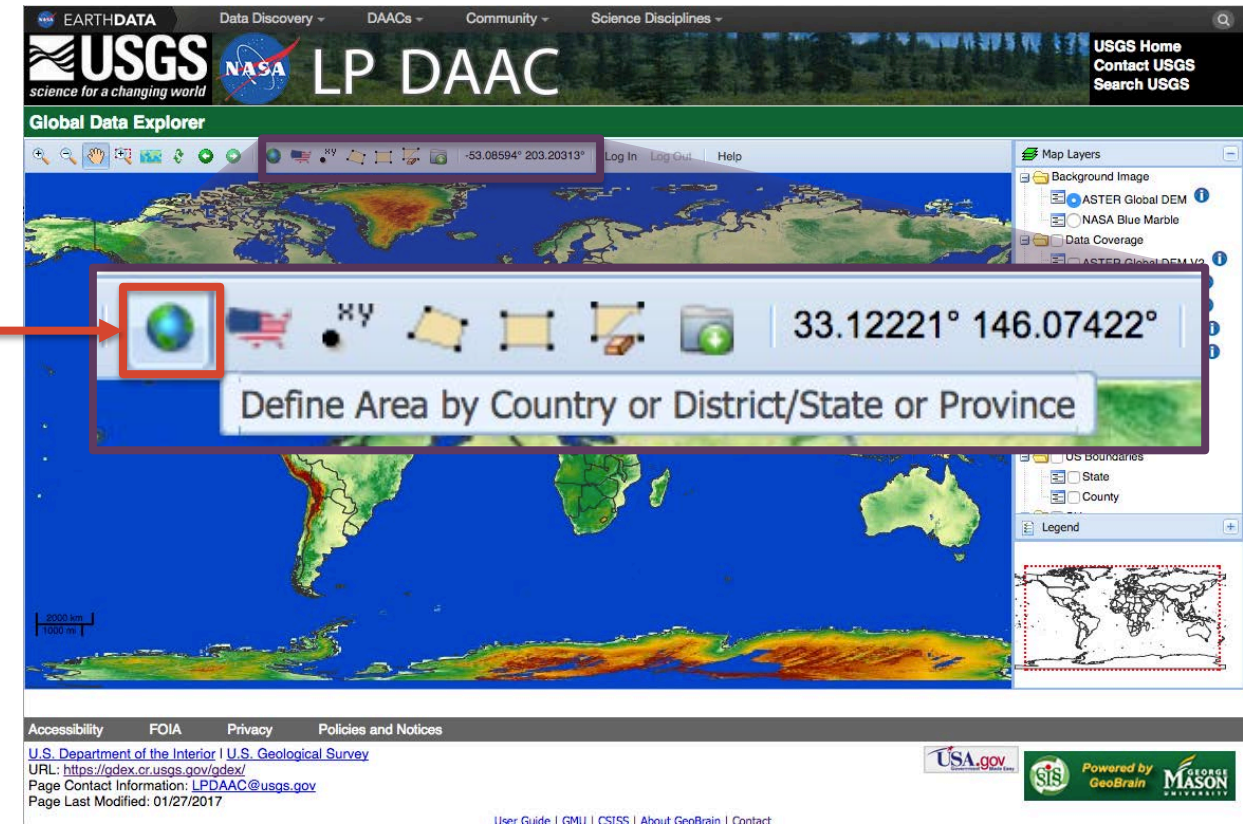
1. Go to the GDEx portal:
<http://gdex.cr.usgs.gov/gdex/>
2. From the top menu bar, click **Log in**
3. If you click on the globe icon in the top menu bar, you will get an option to "Define Area by Country or District/State or Province" and a window for options
4. Select **Japan** in the window



Define Area By Country or District/Province or State

Country/District:

State/Province:



EARTHDATA Data Discovery DAACs Community Science Disciplines

USGS science for a changing world NASA LP DAAC

Global Data Explorer

Map Layers

- Background Image
- ASTER Global DEM
- NASA Blue Marble
- Data Coverage
- ASTER Global DEM

Define Area by Country or District/State or Province

33.12221° 146.07422°

USA.gov

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U.S. Department of the Interior | U.S. Geological Survey
URL: <https://gdex.cr.usgs.gov/gdex/>
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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

