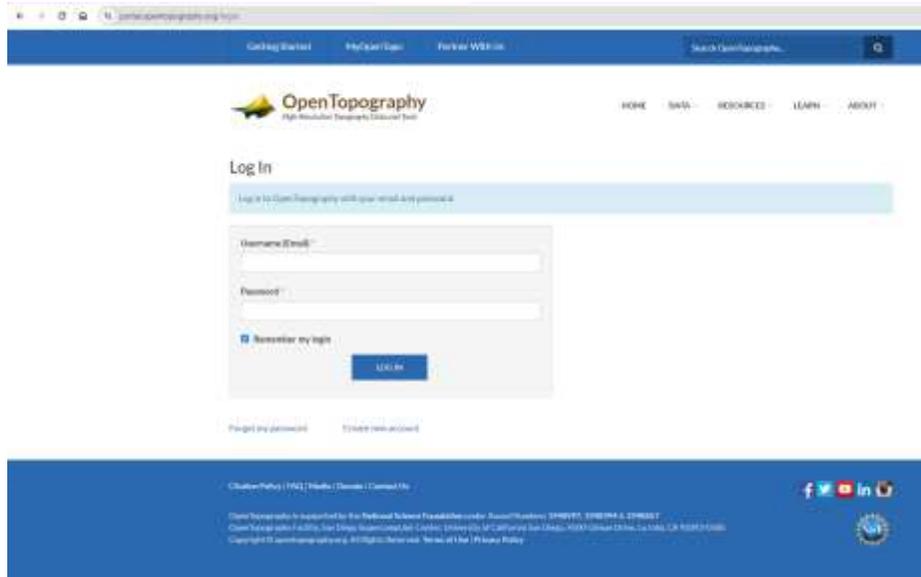


How to download Digital Elevation Data

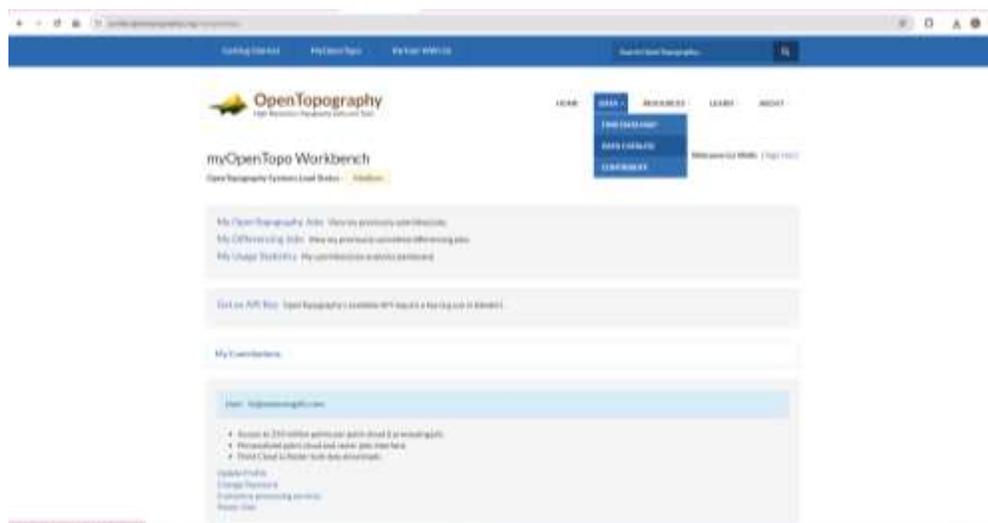
Tutorial Summary:

Learn how to download digital elevation data for Continuum modeling using OpenTopography.

- 1) Create an account with OpenTopography and log in:
<https://portal.opentopography.org/>



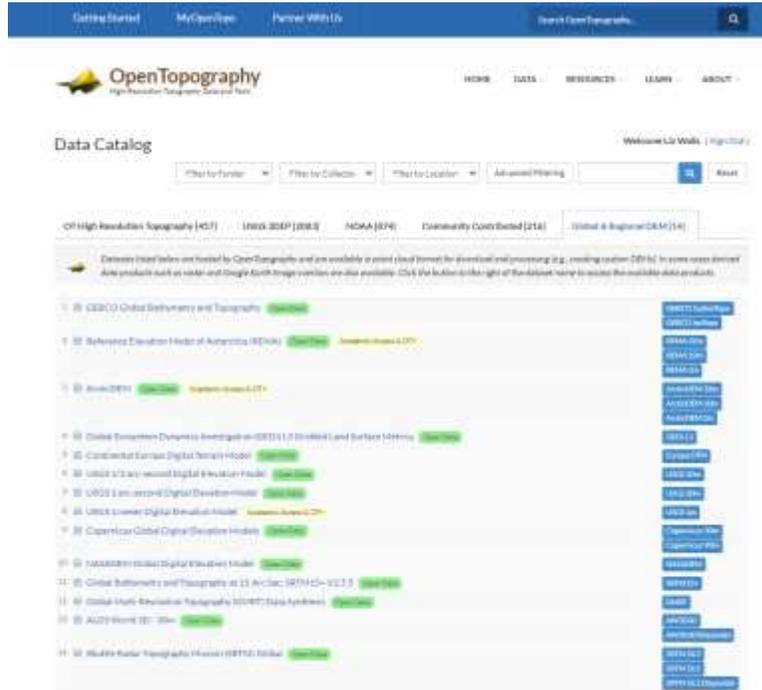
- 2) Go to 'Data' -> 'Data Catalog'



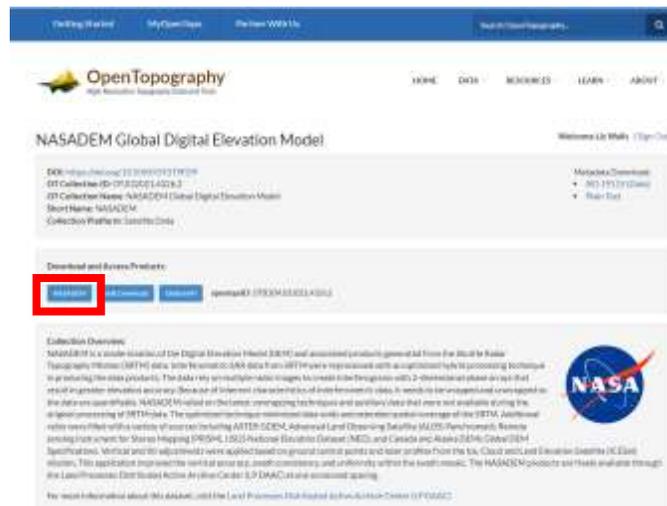
- 3) Select digital elevation data source. For project sites in the US, the 'USGS 3DEP' data is recommended (USGS 30m). For sites outside the US, the

How to download Digital Elevation Data

'Global & Regional DEM' – NASADEM Global Digital elevation Model (NASADEM) is recommended.



- 4) Under 'Download and Access Products', click on the product (e.g. NASADEM)



- 5) Under '1. Coordinates', check 'Manually enter selection coordinates' and enter the latitude and longitude range for the modeled area and click 'Validate coordinates and estimate area'

How to download Digital Elevation Data

OpenTopography

HOME DATA RESOURCES LEARN ABOUT

Other Available Data Products | Return to the Dashboard | Logout

1. Select area of data to process

Horizontal Coordinates: WGS84 (EPSG: 4326)
Vertical Coordinates: Orthometric (BD496) (EPSG: 2773)
Units: meter

Data Selection Coordinates: [Help](#) (to enter selection coordinates) (to see more details on this screen)

Easting = 8177 Northing = 8125 Easting = 8179 Northing = 8127

[Submit coordinates and parameters](#)

Current selected area is approximately 12,794 km²

- 6) Leave 'Select Data Output Format' as GeoTiff. Enter a Job Title and click 'Submit'

OpenTopography

HOME DATA RESOURCES LEARN ABOUT

2. Data Output Formats

Select Data Output Format: [Help](#) GeoTiff

3. Enter Visualization

Visualization type:

- Hydrology
- Slope Relief
- Color Hydrology
- Slope
- Aspect
- Roughness

4. Hydrologic Terrain Analysis Products (as DSM)

This tool can be used to generate a DEM, which is available to users who submitted their elevation data to the system and its products. To make this data available to all users, please click [here](#) to add data.

Job Description

These options allow users to describe and keep track of their jobs, so that all selected terrain is recorded along with the job parameters in your personal job archive, accessed via the Data Tool (available only to logged-in OpenTopography users).

Job Title (required)

Job Description (optional)

Enter your e-mail address Do not send job notification email

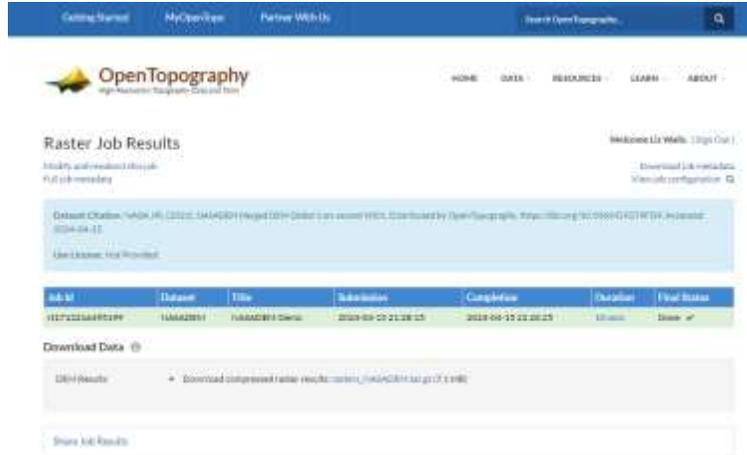
By creating data via OpenTopography you agree to acknowledge OpenTopography and the dataset name in publications, presentations, and other materials produced using this data.

[Data Citation](#) | [Data License](#) | [Feedback](#)

[Submit](#)

- 7) Once the job is finished, download the compressed raster datafile.

How to download Digital Elevation Data



- 8) Uncompress and untar the downloaded file. It is recommended to use 7-Zip to uncompress/untar (<https://www.7-zip.org/>). Right-click on .tar.gz file and go to 7-Zip – Extract Here. This will create a .tar file so right-click again and repeat 7-Zip – Extract Here. This will create the GeoTiff file.

<input type="checkbox"/> Name	Date modified	Type	Size
output_NASADEM.tif	4/15/2024 2:28 PM	TIF File	7,239 KB
rasters_NASADEM.tar	4/15/2024 2:28 PM	TAR File	7,240 KB
rasters_NASADEM.tar.gz	4/15/2024 2:29 PM	GZ File	7,239 KB

- 9) Import the GeoTiff into Continuum!

