National Aeronautics and Space Administration

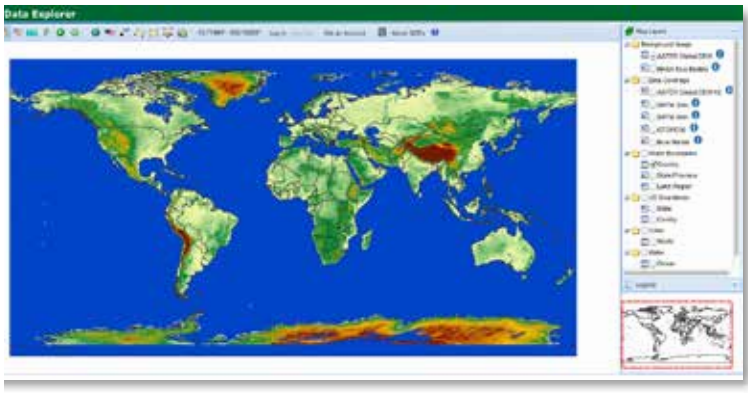
DATA & APPLICATIONS ONLINE

Global Data Explorer (GDEx)

Overview

The Global Data Explorer (GDEx) Tool, available at the NASA Land Processes Distributed Active Archive Center (LP DAAC), allows users to subset, reformat, and download the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Global Digital Elevation Model (GDEM) data either by geographic area of interest (AOI), or by predefined region(s).*

GDEx is a collaborative effort between the NASA LP DAAC and George Mason University's Center for Spatial Information Science and Systems.



*Additional data products distributed by USGS EROS are also available through this tool.

Key Features

- Search and select predefined regions (U.S. states and counties; countries and states for rest of the world)
- Map interface to define user areas of interest
- Search by bounding coordinates or subset areas using rectangles or polygons
- Map layers include political boundaries, names of various world locations and U.S. cities
- Navigation features include zoom in/out, pan, dragbox zoom in, zoom to full map, and display cursor coordinates.
- Several map projections including latitude/longitude and UTM zones available.
- Various output formats (GeoTIFF, ArcASCII, JPEG); as well as data compression (zip).
- Preview browse images.
- The toolbar includes a help link ("About GDEx") and a video tutorial/demonstration *http://gdex.cr.usgs.gov/demo/demo.html*

Access

- To access GDEx, go to: *http://gdex.cr.usgs.gov/gdex/*
- All tool functions are available without user login.
- To download data, new users register at: *https://reverb.echo.nasa.gov/reverb/users/new*

Land Processes Distributed Active Archive Center (LP DAAC)
United States Geological Survey
Earth Resources Observation and Science (EROS) Center
Sioux Falls, South Dakota
https://lpdaac.usgs.gov

EOSDIS DAACs
LP DAAC is one of twelve NASA Earth Observing System Data and Information System (EOSDIS) Distributed Active Archive Centers (DAACs).

To learn more about data and tools available from EOSDIS, go to earthdata.nasa.gov.

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