

## Get Started

### About ENERGYDATA.INFO

ENERGYDATA.INFO was created to make energy sector data easy to find, download, and use. All data found here can be used free of charge with appropriate attributions when applicable. To get started, below you will find guidance on the ways you can access datasets, applications and visualizations across the site:

### Search Bar

The simplest way to search for data is to use the search box at the top of the landing page.

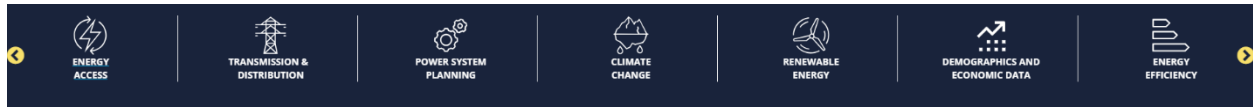


Energydata.info, built on the CKAN data platform, can facilitate quick ‘Google-style’ keyword searches as well as faceting by tags and browsing between related datasets. Users can quickly see what datasets are available, in which formats and with which license, straight from the search results. All dataset fields and metadata tags hosted on the site are searchable through this interface.

You can search for dataset topics, countries, or specific dataset names. You can also look up a combination of search terms or multiple countries in the search box. To start over, simply click the **ENERGYDATA.INFO** logo on the top banner to return to the landing page or the “Datasets” or “Apps” shortcuts to navigate the site pages.

## Topics carousel

On the landing page you can also browse a list of key topics from a carousel:



Topics are structured to align with the ESMAP's programs, United Nation Sustainable Development Goal 7 (SDG7) and leading topics in the energy sector. There are 9 highlighted topics available to choose from the carousel while the entire list of topics includes:

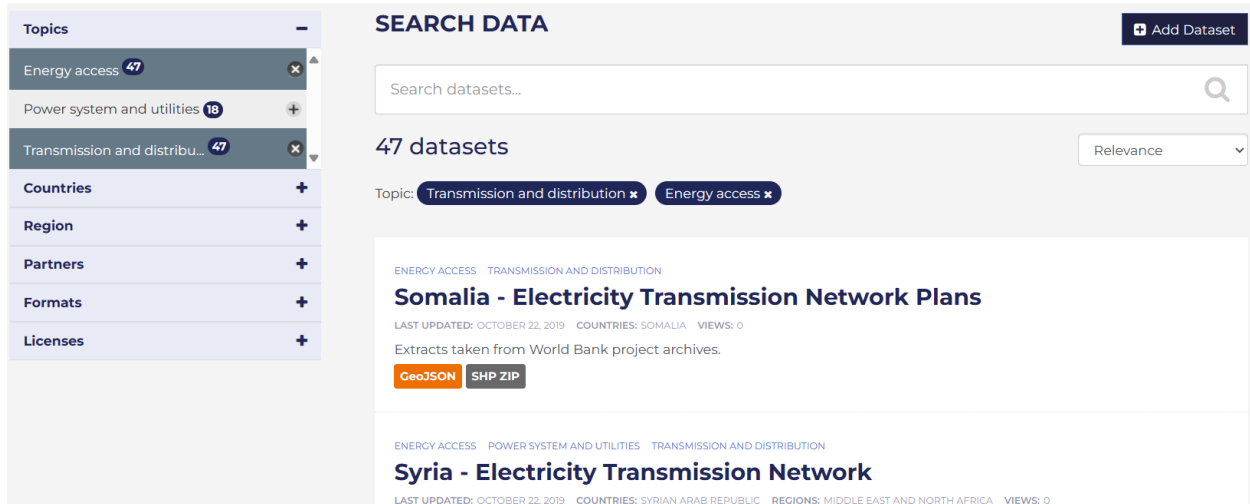
1. Energy access
2. Energy demand
3. Clean cooking
4. Transmission and distribution
5. Power systems and utilities
6. Climate
7. Geothermal
8. Hydropower
9. Thermal power
10. Renewable energy
11. Resource assessment
12. Solar
13. Bioenergy
14. Population
15. Economy and prices
16. Energy efficiency
17. Gender
18. Boundaries

19. Project sites
20. Surveys
21. Policies and plans
22. Pipeline networks
23. Information technology
24. Measurement stations
25. Physical features
26. Water
27. Wind
28. Environment
29. Extractive industries
30. Transport
31. Agriculture
32. Amenities
33. Urbanization

## Data navigation page

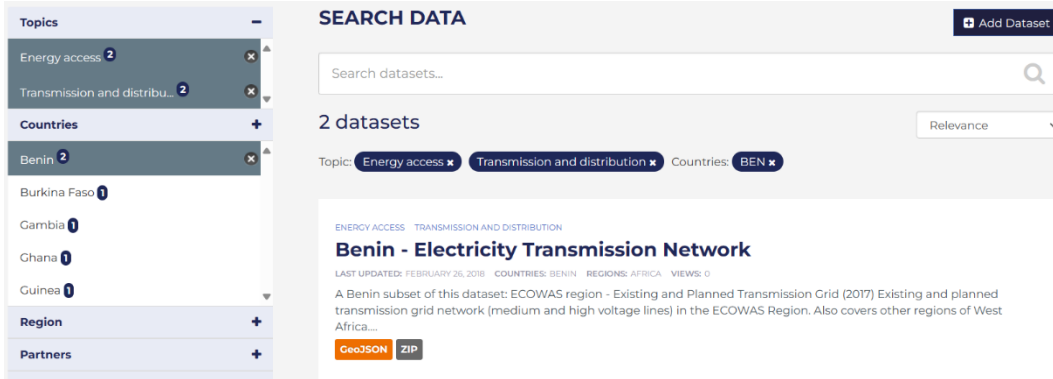
The dataset navigation page allows you to refine your search across a number of criteria including country, topics, licenses, and data formats. This is a convenient option if you would like to search for datasets in a specific format or topic. A sample of the dataset metadata including the title, topics, last updated date, country, license and formats are available from the navigation page.

## Reductive search



The screenshot displays the 'SEARCH DATA' interface on Energydata.info. On the left, a sidebar lists filter categories: Topics, Countries, Region, Partners, Formats, and Licenses. Under 'Topics', 'Energy access' (47) and 'Transmission and distribu...' (47) are selected. The main search area shows '47 datasets' with filters for 'Transmission and distribution' and 'Energy access'. Two dataset results are visible: 'Somalia - Electricity Transmission Network Plans' (last updated: October 22, 2019; countries: Somalia; views: 0) and 'Syria - Electricity Transmission Network' (last updated: October 22, 2019; countries: Syrian Arab Republic; regions: Middle East and North Africa; views: 0). Both results include download options for GeoJSON, SHP, and ZIP.

The search function of Energydata.info is reductive, meaning searching across multiple topics and tags will reduce the number of items being returned. In the above example, the Topics: “Energy Access” and “Transmission and distribution” are selected. This results in only showing datasets with metadata including both topics – 47 datasets in total.



The screenshot displays the ESMAP data search interface. On the left, a sidebar contains filters for Topics and Countries. The Topics filter is set to 'Energy access' and 'Transmission and distribution', both with a count of 2. The Countries filter is set to 'Benin' with a count of 2. The main search area is titled 'SEARCH DATA' and includes a search bar, a search button, and a dropdown menu for 'Relevance'. Below the search bar, it shows '2 datasets' and a filter bar with 'Topic: Energy access', 'Transmission and distribution', and 'Countries: BEN'. The first dataset is 'Benin - Electricity Transmission Network', with metadata including 'LAST UPDATED: FEBRUARY 26, 2018', 'COUNTRIES: BENIN', 'REGIONS: AFRICA', and 'VIEWS: 0'. A description follows: 'A Benin subset of this dataset: ECOWAS region - Existing and Planned Transmission Grid (2017) Existing and planned transmission grid network (medium and high voltage lines) in the ECOWAS Region. Also covers other regions of West Africa...'. Download options for 'GeoJSON' and 'ZIP' are provided.

Selecting the country filter for “Benin” returns only datasets that have both topics listed above and the metadata that identifies datasets that contain Benin – 2 datasets in total.

## Dataset page

The dataset page includes information about the dataset, metadata about the year it was published, the author of the dataset and the focal point along with individual data resource files. The metadata is included in the right sidebar beginning with the organization responsible for sharing the data. The dataset page features one or more downloadable files, and an explore function where data resources can be previewed before downloading. Only the first data resource is previewed on the main dataset page though all files can be selected individually for further exploration.

## Preview

Users can view the datasets in the preview page without downloading it.

Geospatial Data: Data resources that contain geospatial information including GeoJSONs, GeoTIFFs, SHP files and others can be previewed in the dataset page and individually by clicking on each resource separately.

Energy access > Transmission and distribution

## Somalia - Electricity Transmission Network Plans

Last Updated: October 22, 2019 | Countries: Somalia | Views: 0

Extracts taken from World Bank project archives.

**DATA AND RESOURCES**

- Somalia - planned electricity network [Planned only](#) [Explore](#)
- Somalia - planned electricity network [Planned only](#) [Explore](#)

**ABOUT THIS DATA**

**Organization**  
World Bank Group

**Contact**  
Christopher Ardem

**Topics**  
Energy access, Transmission and distribution

**List Updated**  
October 22, 2019

**Release Year**  
2017


**Countries**  
Somalia

**License**  
Creative Commons Attribution 4.0

**Views**  
0

**Formats**  
[GeoJSON](#) [PDF ZIP](#)

**State**  
active



**Tabular Data:** Including CSV, .XLS, .XLSX and .DTA files can be viewed and previewed as well through the dataset page. A sample table of the first sheet for the first resource is included on the dataset page though individual data resources can be selected and viewed prior to downloading like for geospatial data.

### Zambia - Solar Radiation Measurement Data

Last Updated: May 21, 2024 | Views: 0

Ground measurement data from 3 solar meteorological stations in Zambia. Data contains 1 minute average values for solar radiation, air temperature, relative humidity, barometric pressure, precipitation, wind speed and wind direction, cleaned and soiled radance sensor (soiling measurement) and clearing events.

#### DATA AND RESOURCES

- [Solar-Measurements\\_Zambia-Fig Tree\\_IFC\\_QC](#)  
Ground solar irradiation and meteorological measurements near Fig Tree, Zambia, 493 MB
- [Solar-Measurements\\_Zambia-Fig Tree\\_IFC\\_Header](#)  
Solar irradiation and meteorological measurements near Fig Tree, Zambia, 14.4 KB
- [Solar-Measurements\\_Zambia-Mumbwa\\_IFC\\_Header](#)  
Ground solar irradiation and meteorological measurements near Mumbwa, Zambia, 14.3 KB
- [Solar-Measurements\\_Zambia-Mumbwa\\_IFC\\_QC](#)  
Ground solar irradiation and meteorological measurements near Mumbwa, Zambia, 493 MB
- [Solar-Measurements\\_Zambia-Ndake\\_IFC\\_Header](#)  
Ground solar irradiation and meteorological measurements near Ndake, Zambia, 14.4 KB
- [Solar-Measurements\\_Zambia-Ndake\\_IFC\\_QC](#)  
Ground solar irradiation and meteorological measurements near Ndake, Zambia, 493 MB

Hide/Unhide Columns

Show 12 entries

Showing 1 to 10 of 550,000 entries

id	time	dh1_yyr	ghi_yyr_1	ghi_yyr_2	air_temperature	relative_humidity	barometric_pressure	precipitation	wind_speed	wind_from_direction	gfc_clean	gfc_soil	sensor_cleaning	comments
1	2017-09-15T00:00:00	0	0	0	7.94	87.4	892.41	0	1.39	24.61	0	0	0	
2	2017-09-15T00:02:00	0	0	0	7.83	84.4	892.27	0	1.35	29.02	0	0	0	
3	2017-09-15T00:03:00	0	0	0	7.85	85.9	892.35	0	1.45	46.05	0	0	0	
4	2017-09-15T00:04:00	0	0	0	7.78	83.7	892.35	0	1.54	46.27	0	0	0	
5	2017-09-15T00:05:00	0	0	0	7.75	85.6	892.35	0	1.53	35.15	0	0	0	
6	2017-09-15T00:06:00	0	0	0	7.76	85.2	892.32	0	1.54	29.3	0	0	0	

#### ABOUT THIS DATA

Organization

World Bank Group

Contact

Margot King

Last Updated

May 21, 2024

Release Year

2018

Start Date

2017

End Date

2018

License

Creative Commons Attribution 4.0

Views

0

Formats

[CSV](#) [JSON](#) [PDF](#) [ZIP](#)

State

active

[Explore](#)

[Explore](#)

[Explore](#)

[Explore](#)

[Explore](#)

[Explore](#)

[Explore](#)

1/10

Search

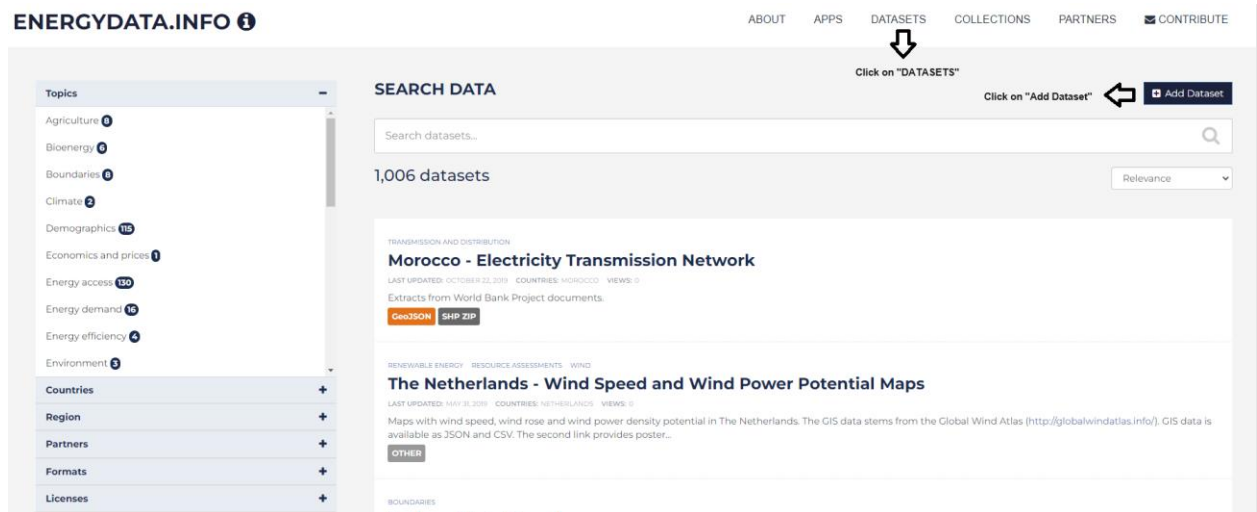
## Download

Each data page allows the option to download one or more datasets displayed.

## Uploading new datasets

To upload new datasets, users can follow these steps:

1. Sign into EnergyData.info site
2. Click on “DATASETS”
3. Click on “Add Dataset”



The screenshot shows the EnergyData.info website interface. At the top, there is a navigation menu with links for ABOUT, APPS, DATASETS, COLLECTIONS, PARTNERS, and CONTRIBUTE. The 'DATASETS' link is highlighted with a downward arrow and the text 'Click on "DATASETS"'. Below the navigation menu, there is a search bar with the text 'SEARCH DATA' and a search input field containing 'Search datasets...'. To the right of the search bar, there is a button labeled 'Add Dataset' with a plus icon and a leftward arrow, with the text 'Click on "Add Dataset"' above it. Below the search bar, the text '1,006 datasets' is displayed. The main content area shows a list of datasets. The first dataset is 'Morocco - Electricity Transmission Network' under the category 'TRANSMISSION AND DISTRIBUTION'. It includes metadata such as 'LAST UPDATED: OCTOBER 22, 2019', 'COUNTRIES: MOROCCO', and 'VIEWS: 0'. Below the title, it says 'Extracts from World Bank Project documents.' and has buttons for 'GeoJSON' and 'SHP-ZIP'. The second dataset is 'The Netherlands - Wind Speed and Wind Power Potential Maps' under the category 'RENEWABLE ENERGY - RESOURCE ASSESSMENTS - WIND'. It includes metadata such as 'LAST UPDATED: MAY 31, 2019', 'COUNTRIES: NETHERLANDS', and 'VIEWS: 0'. Below the title, it says 'Maps with wind speed, wind rose and wind power density potential in The Netherlands. The GIS data stems from the Global Wind Atlas (http://globalwindatlas.info/). GIS data is available as JSON and CSV. The second link provides poster...' and has a button for 'OTHER'. On the left side of the page, there is a sidebar with a 'Topics' section and a 'Countries' section. The 'Topics' section lists various categories with counts: Agriculture (0), Bioenergy (0), Boundaries (0), Climate (2), Demographics (15), Economics and prices (1), Energy access (30), Energy demand (16), Energy efficiency (2), and Environment (3). The 'Countries' section has a plus sign next to it.

4. Enter the title, description and other required information for the dataset. Datasets should be named according to the following schema: **Region/Country - Name**. Metadata should be added as accurately and completely as possible.

**1** Create dataset **2** Add data

**i** Please use the naming convention: Country - Subject  
**\* Title:**  
eg. Algeria - Power Plants

**\* URL:** ed4.staging.derilinx.com/dataset/<dataset> [Edit](#)

**\* Description:**  
eg. Some useful notes about the data

You can use Markdown formatting here

License:  
CC0 1.0

**i** [Click here for more information on License definition and additional information.](#)

Organization:  
Bloomberg New Energy Finance

Visibility:  
Private

**\* Topic:**

5. Upload files one by one, giving each a name and description, as well as specifying the format.

**1** Create dataset **2** Add data

Data:  
[Upload](#) [Link](#)

Data Transform:  
None

Name:  
eg. January 2011 Gold Prices

Description:  
Some useful notes about the data

You can use Markdown formatting here

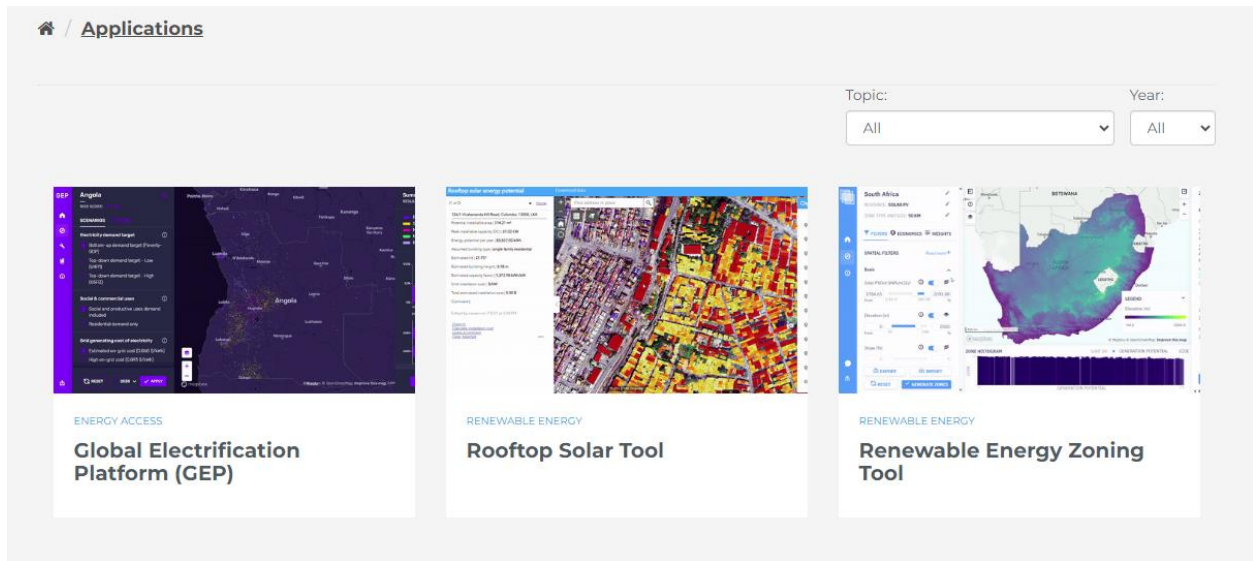
Format:  
CSV **i** Choose a format from the list, or "Other" if the format is not listed.

[Previous](#) [Save & add another](#) [Finish](#)



## Apps

EnergyData.info features a collection of energy sector tools and applications on the apps page. The apps can be filtered by topic and year of release.



## Contribute

ESMAP, and its partners, continue to contribute to the EnergyData.info platform. ESMAP invites contributors to share suggestions for datasets and applications that should be included and welcome suggestions on how we can improve the site for users.

Organizations interested in contributing datasets to the site can contact the Energy Data team at [energydata@worldbankgroup.org](mailto:energydata@worldbankgroup.org).