



Geospatial Data Management for Energy Access

Hands-on Week 1 - Part C

Please use the following citation for:

- This exercise is a step-by-step guide for using energydata.info, in which you will interact with lectures 1 through 5 to learn how to find, explore, and download information.

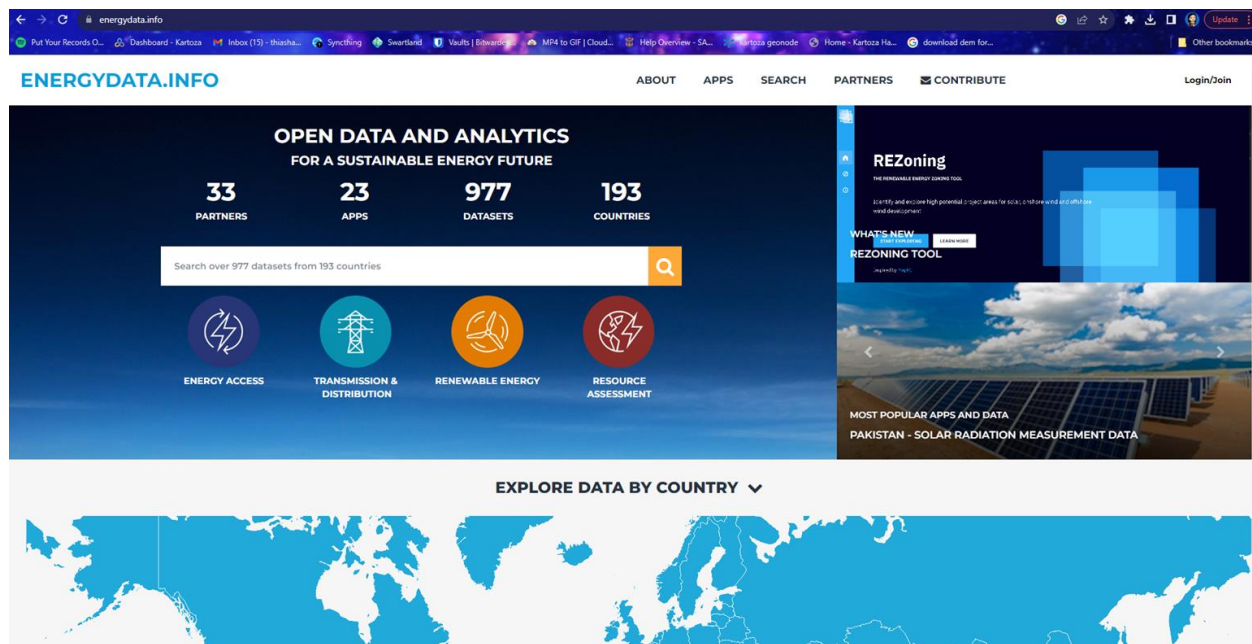
Learning outcomes

By the end of this exercise, you will learn how to:

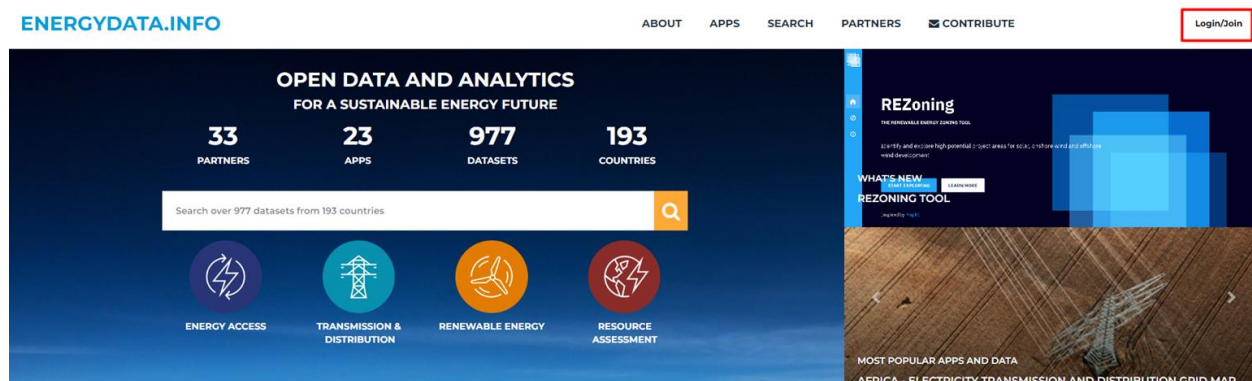
- 1) Navigate the Energydata.info platform
- 2) Search for data
- 3) Download data

Using the Energydata.info Platform

1. Start by navigating to the Energydata.info platform: <https://energydata.info/>



2. 'Join' if you do not already have Login credentials.



Fill in your credentials and 'Create Account'.



Why Sign Up?

Create datasets, groups and other exciting things

Register for an Account

Username
username

Full Name
Joe Bloggs

Email
joe@example.com

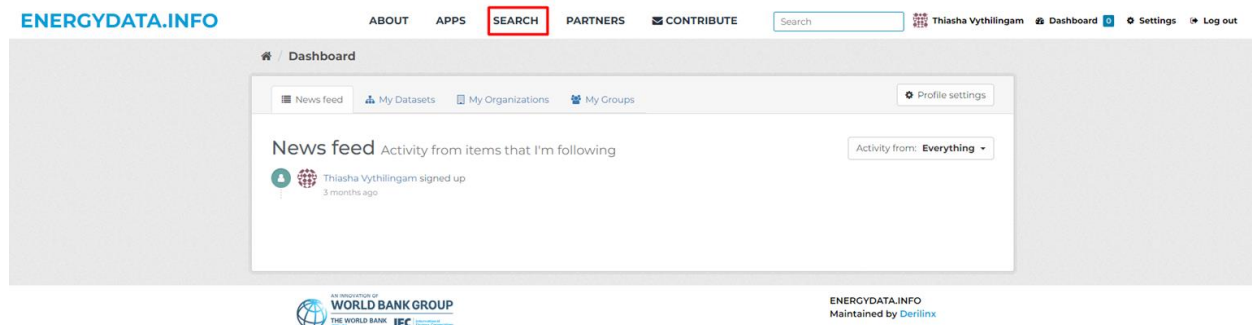
Password

Confirm

☐ I agree to the [Terms of Use](#)

Create Account

3. Click on the 'Search' option in the navigation bar.



This will allow you to see all datasets available on the platform.

ENERGYDATA.INFO ABOUT APPS SEARCH PARTNERS CONTRIBUTE Search Thilasha Vythilingam Dashboard Settings Log out

/ Datasets

▼ Countries

- Afghanistan (27)
- Albania (15)
- Algeria (19)
- American Samoa (11)
- Andorra (11)
- Angola (24)
- Anguilla (11)
- Antigua and Barbuda (13)
- Argentina (19)
- Armenia (19)
- Show More Countries**
- ▼ Region**
- Africa (282)
- East Asia and Pacific (88)
- Europe and Central ... (62)
- Latin America & Car... (62)
- Middle East and Nor... (80)
- South Asia (72)
- ▼ Organizations**

Search datasets...

977 datasets Relevance ▼

Lesotho Power Plants 🔥

9 Countries: Lesotho Published Year: 2009

Data for power plants in Lesotho with total installed generating capacity 10 mw from the Platts World Electric Power Plants Database (WEPP 2006).

ZIP

Palau - Solar Radiation Measurement Data 🔥

56 Countries: Palau Regions: East Asia and Pacific Published Year: 2020

Ground measured solar irradiation and meteorological data.

CSV XLS PDF

Gambia - Population density 🔥

10 Countries: Gambia Published Year: 2015

Population density per pixel at 100 metre resolution. WorldPop provides estimates of numbers of people residing in each 100x100m grid cell for every low and middle income...

TIFF

Fossil Fuel Subsidies Database 🔥

40 Countries: Africa, East Asia and Pacific, Europe and Central Asia, Latin America & Caribbean, Middle East and North Africa, South Asia Published Year: 2021

For this exercise, we will all be downloading the same dataset.

4. Using the 'Countries' filter, look for and select Liberia. You can also use the Search bar to find the dataset.

▼ Countries

- Guinea (1)
- Ivory Coast (1)
- Liberia (36)
- Sierra Leone (1)
- ▼ Region**
- Africa (30)
- ▼ Organizations**
- Columbia University... (4)
- NEO (1)
- NRECA International (2)

Liberia

36 datasets found for "Liberia" Relevance ▼

Liberia-River 🔥

11 Countries: Liberia Regions: Africa Published Year: 2016

This layer contains river network in Liberia that is produced by NRECA to be used as base data for the mapping under NEA project analysis.

SHP ZIP TILE

Liberia - Populated Settlements 🔥

18 Countries: Liberia Regions: Africa Published Year: 2008

Liberia census population dataset from 2007-2008 created by Liberia Institute of Statistics and Geo-Information

5. Next, Look for 'Liberia - Electric Substations'. You can also use the search bar to find this dataset or you can scroll through the datasets presented.



Liberia-National Boundary 📍
📍 Countries: Liberia Regions: Africa Published Year: 2019
This layer contains national boundary for Liberia that is collected from secondary source to be use as base data for the mapping under NEA project analysis.
[SHP ZIP](#) [GeoJSON](#)

Liberia-Health Facilities 📍
📍 Countries: Liberia Regions: Africa Published Year: 2016
This layer contains location of health center location in Liberia that is collected from LISGIS to be use as base data for the analysis and mapping under NEA project.
[SHP ZIP](#) [GeoJSON](#)

Liberia - Electric Substations 📍
📍 Countries: Liberia Regions: Africa Published Year: 2020
This layer contain existing, funded and planned substation data gathered for the purpose of using in Liberia NEA project analysis and mapping.
[SHP ZIP](#) [GeoJSON](#)

Liberia-Road Network 📍
📍 Countries: Liberia Regions: Africa Published Year: 2019
This layer contains road network data that is collected from secondary source and edited by NRECA to be used as input for NEA project routing algorithm analysis.
[SHP ZIP](#) [TILE](#)

6. Once you have found the dataset, click on it.

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Organizations / NRECA International / Liberia - Electric Substations

Organization

NRECA International
NRECA International's principal goal is to promote rural economic development through the expansion of access to electric service. Since 1962, programs designed and implemented...
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Liberia - Electric Substations
Dataset Groups Activity Stream
This layer contain existing, funded and planned substation data gathered for the purpose of using in Liberia NEA project analysis and mapping.
[Explore](#)

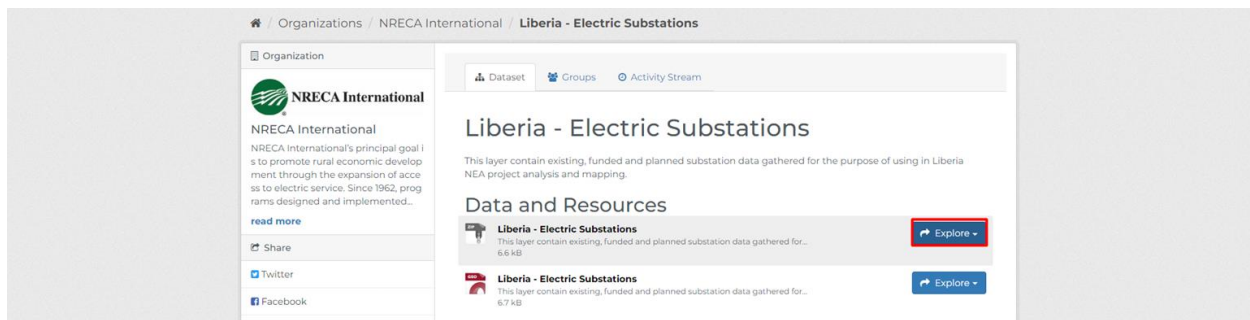
Data and Resources
 Liberia - Electric Substations
This layer contain existing, funded and planned substation data gathered for...
6.6 KB
[Explore](#)

Liberia - Electric Substations
This layer contain existing, funded and planned substation data gathered for...
6.7 KB
[Explore](#)

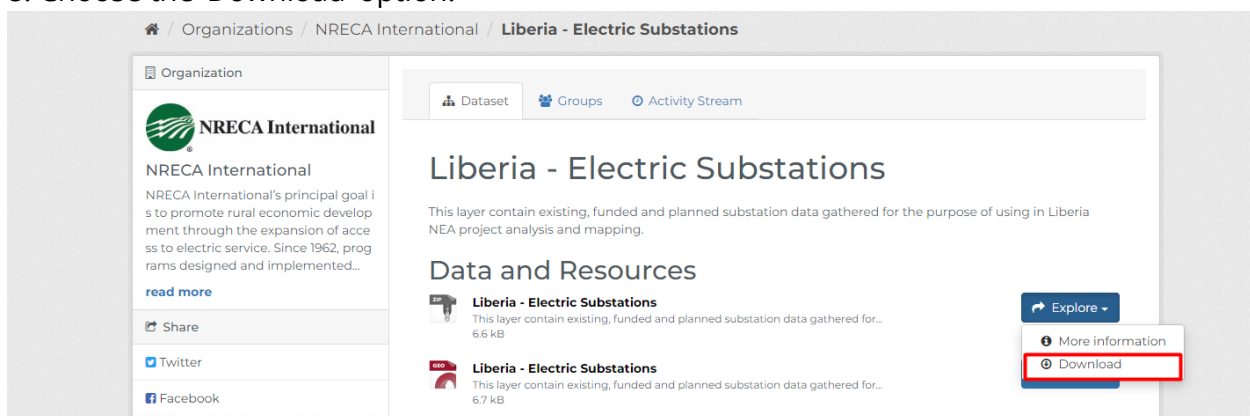
Additional Info

Field	Value
Source	World Bank and Field Survey, NRECA International
Author	NRECA International
Last Updated	November 10, 2021, 8:20 PM (UTC+02:00)
Created	March 22, 2021, 9:17 AM (UTC+02:00)
Topic	Transmission and distribution
Country	Liberia
Region	Africa
Coordinate Reference System	WGS84/Pseudo-Mercator
Published year	2020
Start date	2019

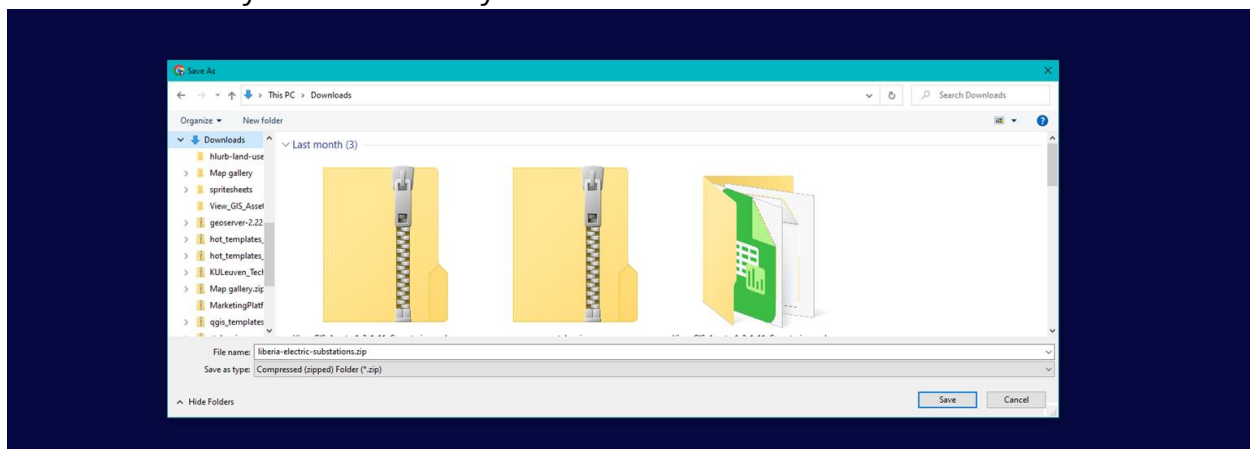
7. We are going to download the shapefile. Click on 'Explore'.



8. Choose the 'Download' option.



9. Choose where you want to save your data.



10. Unzip your folder to access your data.

