

EGI Carbon Portal Test User Manual

Introduction

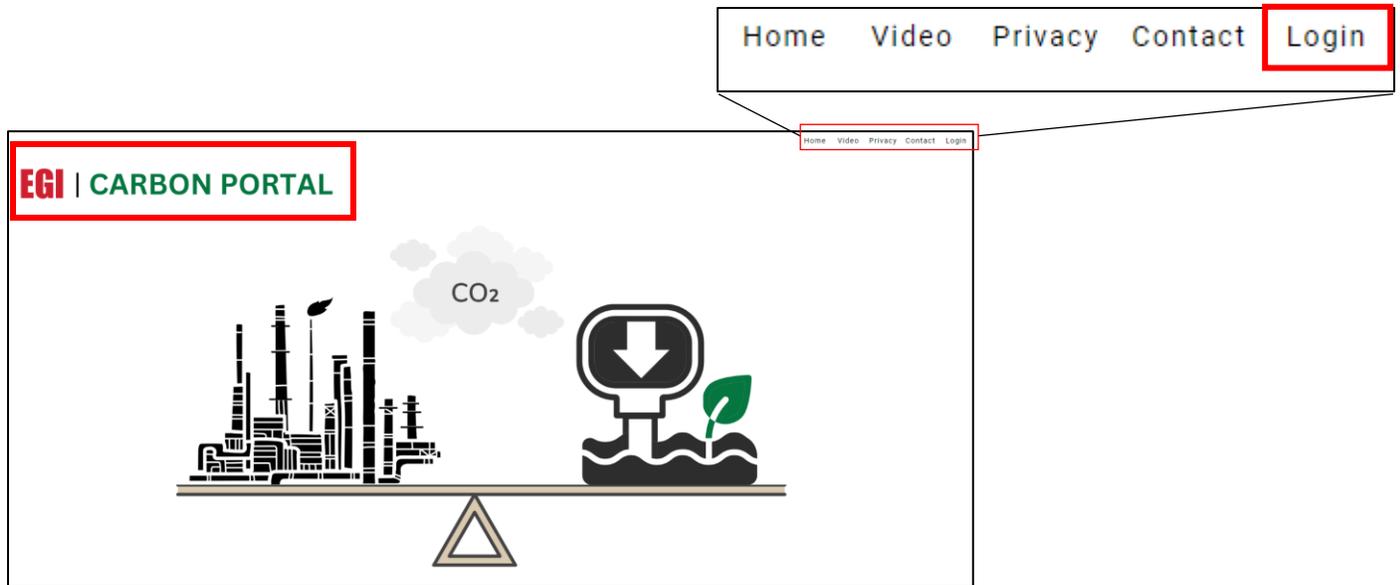
EGI Carbon Portal is a tool whose goal is to bring all Carbon Capture and Sequestration information into one website. By placing this data in a single, convenient location, it will hopefully lower the barriers to CCS development.

EGI Carbon Portal consists of the main application (**EGI Carbon Portal**) and support applications (such as **EGI Carbon Portal Corpus**) that work together to make this goal possible, as well as address all administrative needs.

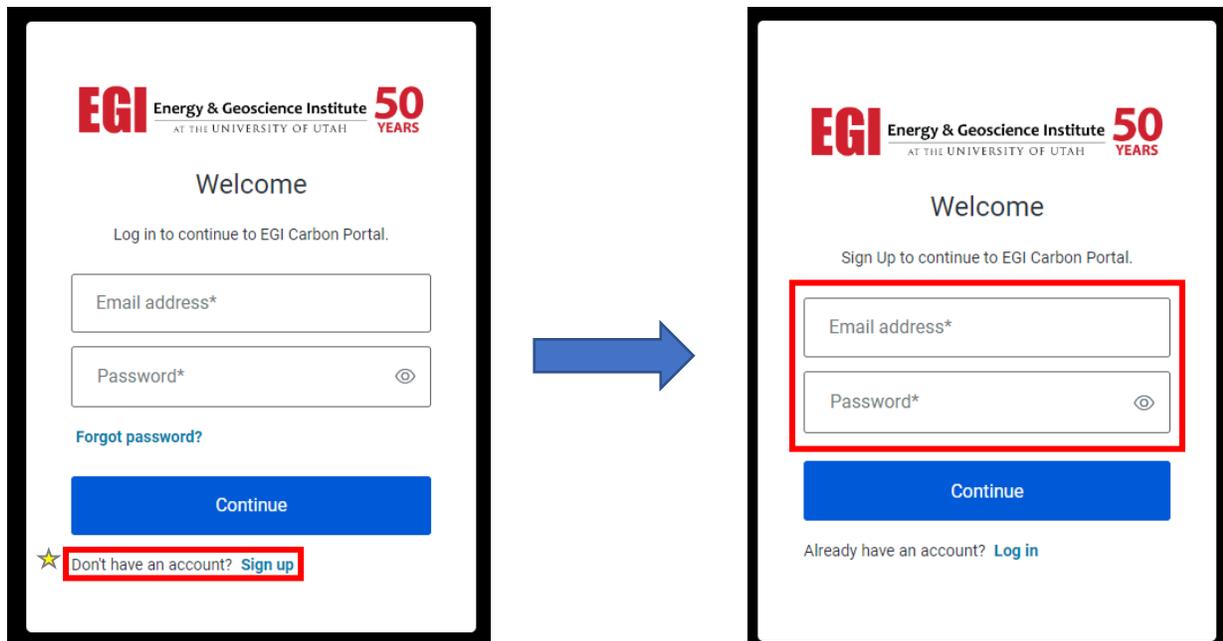
This document gives a hands-on example for using **EGI Carbon Portal**.

Register and login

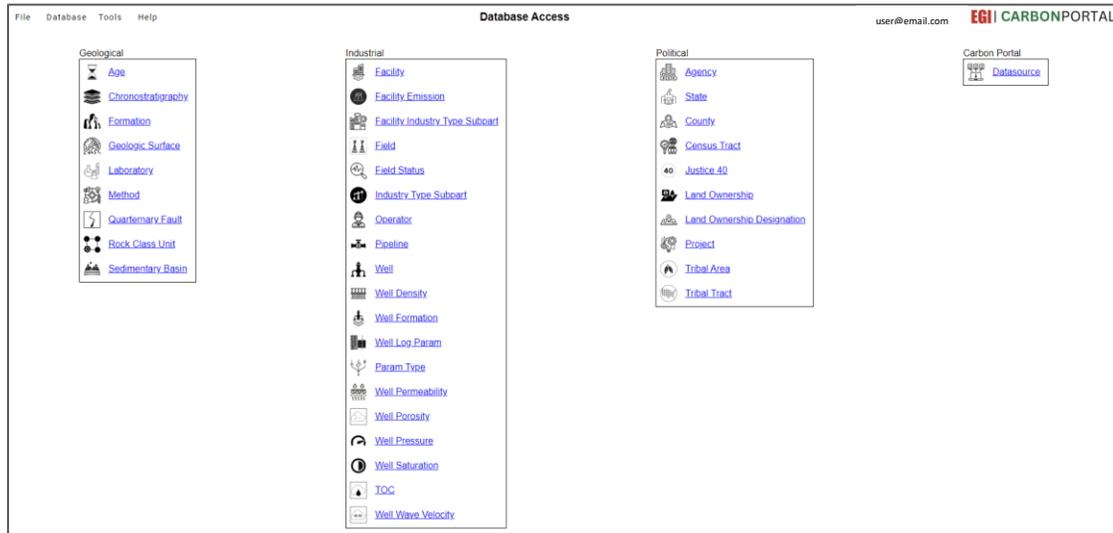
1) Enter **EGI Carbon Portal** (<https://test.ui.carbonportal01.egiu.net>) and click the “Login” button at the top right-hand corner.



2) If this is your first-time accessing Carbon Portal, click “[Sign up](#)” at the bottom of the login box. Enter your preferred email and password, then click continue.



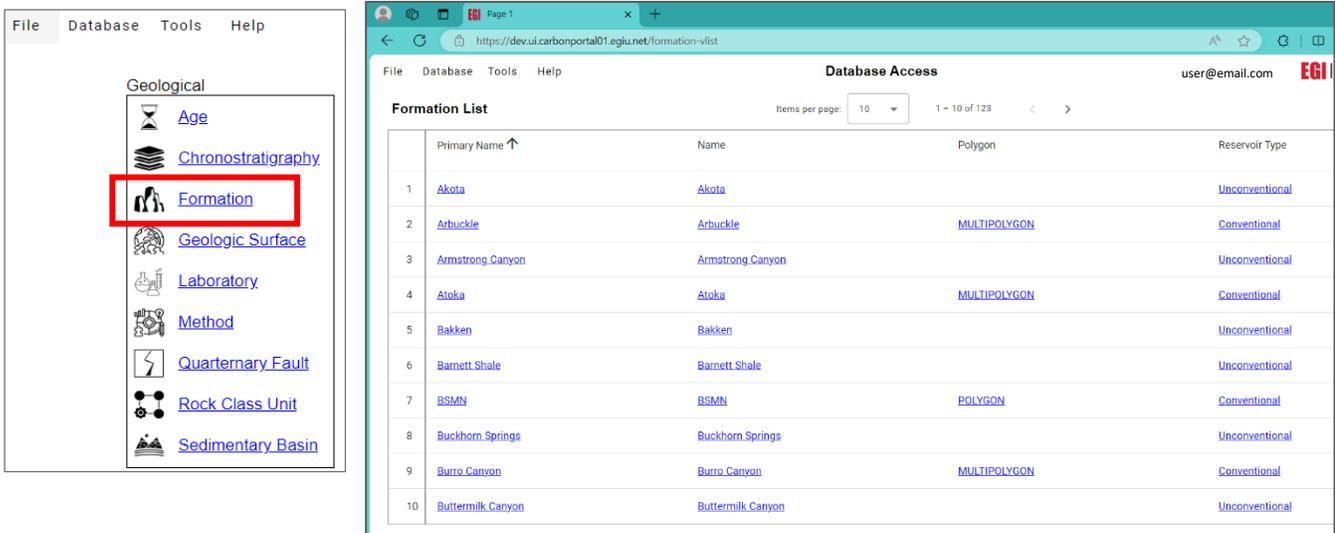
3) You should now be on the “Database Access” page. This will allow you to view all of the available data processed and indexed in the database.



Access Data in the Database: Formations

The following instructions will guide you to view formation data, send it to the My Map application, and download the original data.

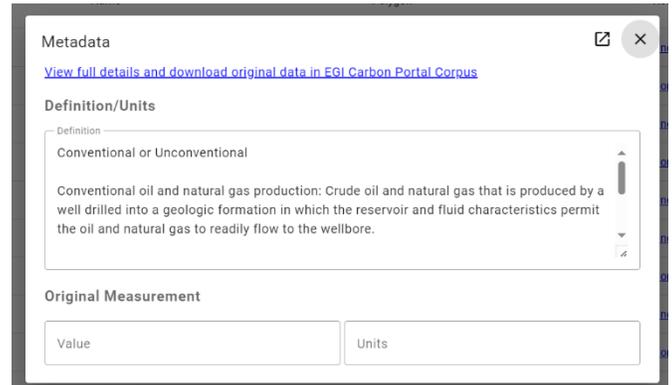
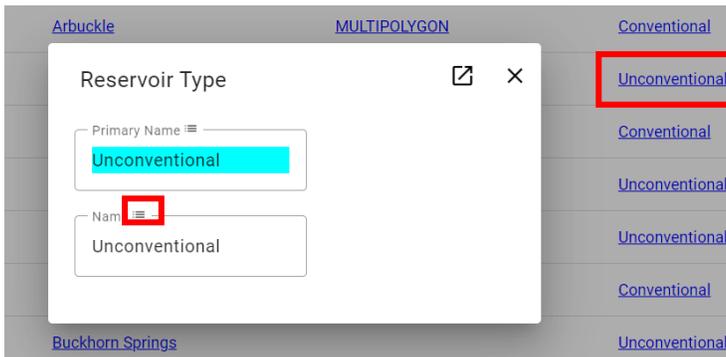
1) Under the *Geological* category, click *Formation*. A list of formations in the database appears.



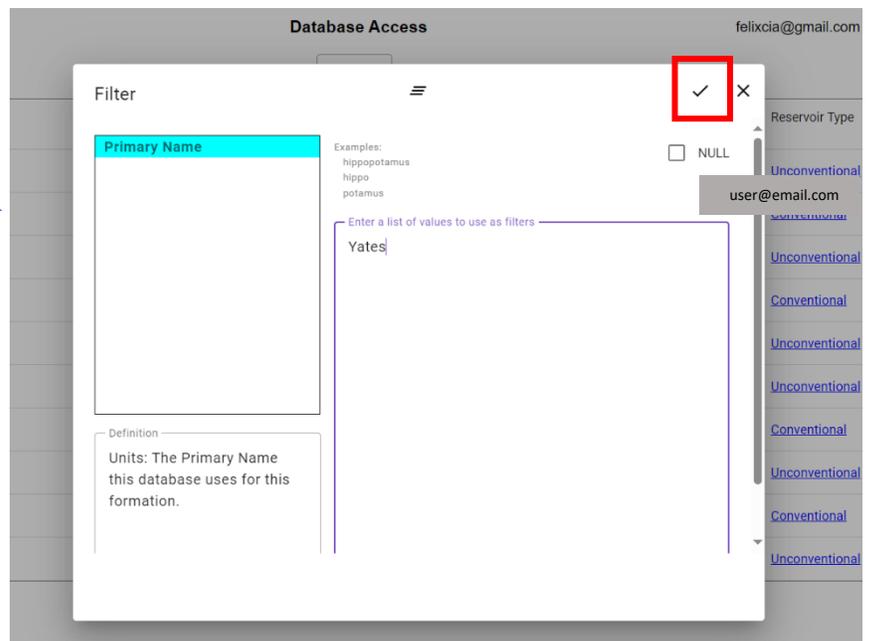
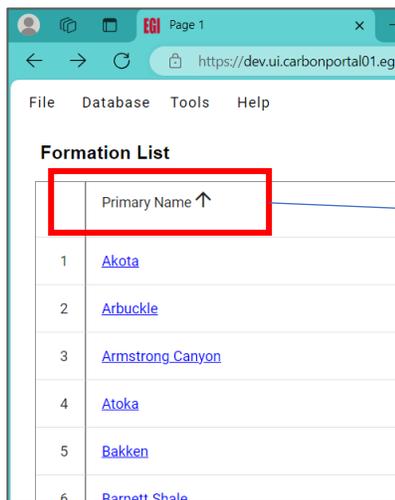
2) The *Formation List* will show whether geospatial data is available under the *Polygon* column with the tag “POLYGON” or “MULTIPOLYGON” (click to see the Polygon). The Reservoir Type column provides the Conventional/Unconventional classification for each formation.

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By clicking on either Conventional or Unconventional, then the three lines next to the Name, you will be able to view the definition for these terms.



3) To filter a specific formation name, click on *Primary Name* and type in "Yates". Then click the check mark ✓ at the top right-hand corner of the filter box.



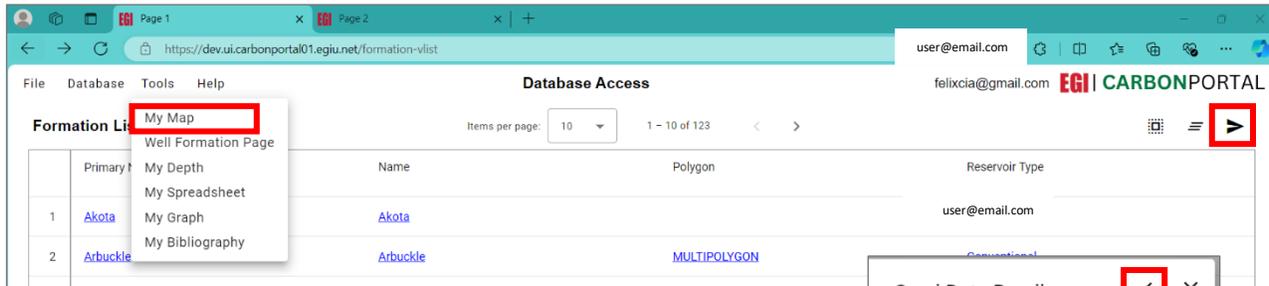
The formation record for "Yates" will appear.

Primary Name ↑	Name	Polygon	Reservoir Type
1 filter			
1	Yates	MULTIPOLYGON	Conventional

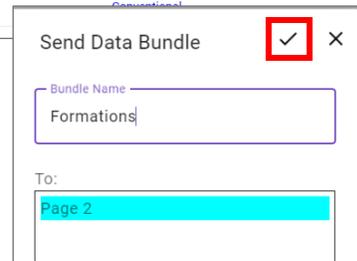
To unfilter, select Primary Name again, delete the formation name and click the check mark ✓.

3) To view the formation data in *My Map* application, click on *Tools* and select *My Map*. A second page will appear with the tab heading *Page 2*. The goal is to move the formation data from the Database Access (Page 1) to My Map (Page 2).

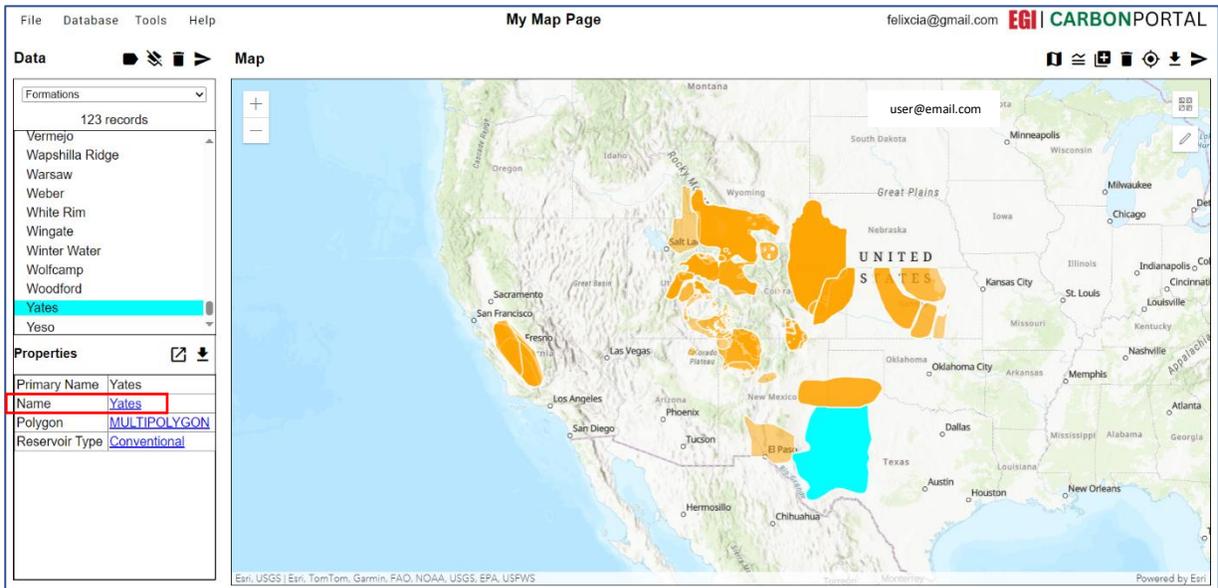
Return to Page 1, click on the Send icon ➤ located on the top right.



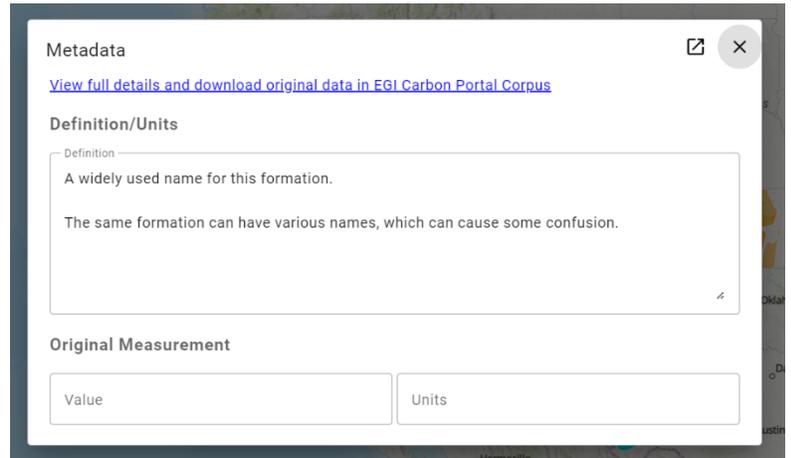
Create a Bundle Name (“Formations”), then under *To:* select *Page 2* to highlight. This will tell the program to Send all data to *Page 2 – My Map*. Confirm by clicking the check ✓.



3) Switch to Page 2. Scroll down the formation list to find one of interest, such as “Yates”. Click on the *Name* attribute under the properties pane.



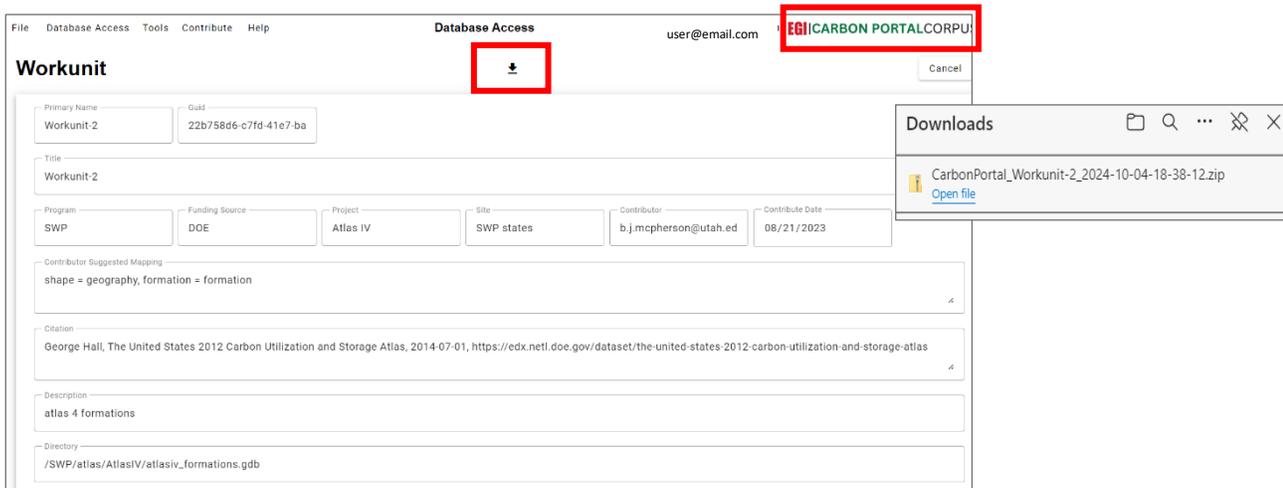
The *Name* properties box will open. Click on the menu icon to open the *Metadata* box for more information on the Yates formation.



5) To access the source of the Yates formation data, select the link “View full details and download original data in EGI Carbon Portal Corpus”.

Metadata

This will take you to [View full details and download original data in EGI Carbon Portal Corpus](#) corpus, which tracks the extraction of data from thousands of files. Notice that the Program, Funding Source, Project Site, Contribution Information, Citation, location in the Corpus (large body of files), Type of Data, involved states and other data are all available for public viewing.



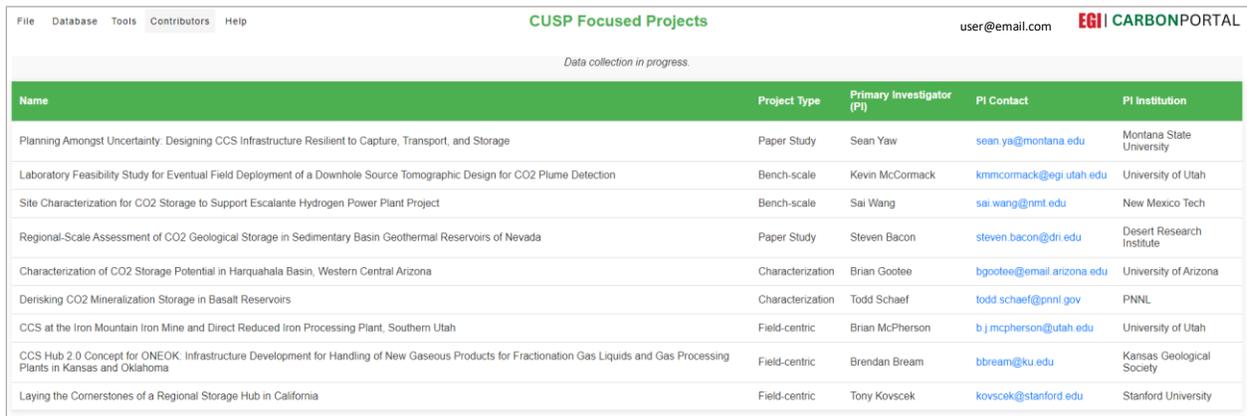
From here the formation file geodatabase can be downloaded by clicking on the down arrow. The data will be zipped with the name of the program, workunit # and date. The stakeholder now has possession of the original data.

CUSP Focused Projects

To view the list of CUSP Focused projects and PI information, click on *Contributors* in the menu on the top left and select *CUSP* in the dropdown.



Data for these projects are currently being acquired and will be added to the database.

A screenshot of the 'CUSP Focused Projects' page. The page has a header with 'File', 'Database', 'Tools', 'Contributors', and 'Help' menus. The user is logged in as 'user@email.com' and the page is part of the 'EGII CARBONPORTAL'. Below the header, there is a green bar with the text 'Data collection in progress.' and a table with the following columns: Name, Project Type, Primary Investigator (PI), PI Contact, and PI Institution. The table contains 9 rows of project data.

Name	Project Type	Primary Investigator (PI)	PI Contact	PI Institution
Planning Amongst Uncertainty: Designing CCS Infrastructure Resilient to Capture, Transport, and Storage	Paper Study	Sean Yaw	sean_ya@montana.edu	Montana State University
Laboratory Feasibility Study for Eventual Field Deployment of a Downhole Source Tomographic Design for CO2 Plume Detection	Bench-scale	Kevin McCormack	kmmccormack@egi.utah.edu	University of Utah
Site Characterization for CO2 Storage to Support Escalante Hydrogen Power Plant Project	Bench-scale	Sai Wang	sai.wang@nmt.edu	New Mexico Tech
Regional-Scale Assessment of CO2 Geological Storage in Sedimentary Basin Geothermal Reservoirs of Nevada	Paper Study	Steven Bacon	steven_bacon@dri.edu	Desert Research Institute
Characterization of CO2 Storage Potential in Harquahala Basin, Western Central Arizona	Characterization	Brian Gootee	bgootee@email.arizona.edu	University of Arizona
Denisking CO2 Mineralization Storage in Basalt Reservoirs	Characterization	Todd Schaefer	todd.schaefer@pnnl.gov	PNNL
CCS at the Iron Mountain Iron Mine and Direct Reduced Iron Processing Plant, Southern Utah	Field-centric	Brian McPherson	b.j.mcpherson@utah.edu	University of Utah
CCS Hub 2.0 Concept for ONEOK: Infrastructure Development for Handling of New Gaseous Products for Fractionation Gas Liquids and Gas Processing Plants in Kansas and Oklahoma	Field-centric	Brendan Bream	bbream@ku.edu	Kansas Geological Society
Laying the Cornerstones of a Regional Storage Hub in California	Field-centric	Tony Kovscek	kovscek@stanford.edu	Stanford University

4) Conclusion

The program **EGI Carbon Portal** contains a large amount of organized scientific data from various categories and sources. This data is easy to query and to visualize so as to assist the stakeholder in finding solutions for Carbon Capture and Sequestration.

The program **EGI Carbon Portal Corpus** shares the same login as **EGI Carbon Portal** and describes the source of all data in **EGI Carbon Portal**. This allows the stakeholder to have easy access to the original files and their provenance.