



ReadMe File for Offshore Geologic Carbon Storage (GCS) Data Collection Web Application

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Summary: The Offshore Geologic Carbon Storage Data Collection Web Application is an interactive data collection which aggregates and disseminates publicly available data to support offshore geologic carbon storage (GCS) in the United States. This data collection can be leveraged by stakeholders to understand where GCS may be viable offshore, create GCS project analogs, and address challenges to GCS in offshore environments. Use of this tool is solely at the discretion of the user. See full Federal Disclaimer for further information (<https://netl.doe.gov/home/disclaimer>).

Description: The Offshore Geologic Carbon Storage Data Collection is an Experience Builder web application of multiple web mapping applications, aggregated into a single tool for each data access, visualization, and exploration. The application is designed to help users discover available public-sourced data to facilitate data exploration in support of offshore geologic sequestration of carbon dioxide. This data collection is intended to be leveraged by users to understand where GCS may be viable offshore, provide analog data, and help progress offshore GCS projects.

Data provided in the application are gathered from the National Energy Technology Laboratory Energy Data eXchange (EDX) Spatial Enterprise Database server and other authoritative sources. A full catalog of the data included and source links can be found on EDX ©.

Data within the collection are organized by category and grouped by data type. Access each section of the tool by using the menu (three horizontal lines) in the upper right-hand corner or clicking on the sections below. Each section will open in its own tab in your browser. The following maps and applications are included within the application:

- Core
- Geology
- GCS Projects, Storage Estimates, and CO₂ Sources
- Hydrocarbon and Coal Resources
- Infrastructure
- Ocean Conditions
- Energy Communities
- Bathymetry
- Habitat and Species
- International Offshore Inventory Story Map
- Create Custom Map

- Data Catalog

Please review the How-To Documentation to understand how to use this application. Maps have data set to toggled off as default. Please review the Data Catalog for a full list of data included on all of the maps.

There is no guarantee of completeness or appropriateness for individual user's requirements. Use of this application is solely at the discretion of the user. Data have been collected from authoritative national, state, and local sources and made available in this application. It is also available as an data catalog on EDX©.

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