



How to Find Portals and Create your own Data Collection

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Computer Systems Engineer



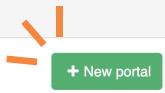
September 2021 Webinar




Objectives

- Review data portals and outline key features
- ***New*** Finding data portals on ESS-DIVE
- ***New*** Advanced data filtering in data portals
 - Refer to previous webinar recordings for in-depth guides on creating portals from scratch

We want to show you how portals can help communicate your science and get you started on creating your own data collection.

Data Portals

My Portals 

Logo	URL Name	Title	
	east-river-watershed	Data from the East River Watershed, Colorado	Edit
	PNNLRiverCorridorSFA	PNNL River Corridor SFA	Edit
	WHONDRS	Worldwide Hydrobiogeochemistry Observation Network for Dynamic River Systems	Edit

What is a data portal?

A data portal is a **collection** of any ESS-DIVE **datasets**.

Easily **highlight and share** datasets and **research topics** using a data portal.

ESS-DIVE Data Search Page



The screenshot shows the ESS-DIVE Data Search Page. At the top left is the ESS-DIVE logo and tagline "Deep Insight for Earth Science Data". Navigation links include DATA, PORTALS, SUPPORT, ABOUT, and a prominent green SUBMIT DATA button. A "Sign in with Orcid" button is on the right. The main content area is divided into three sections: a search bar with a "Search phrase" input and a magnifying glass icon; a filter sidebar on the left with categories like Identifier, Region description, Creator, and Year; and a central list of datasets. The first dataset is by Eibashandy H (2021), titled "test [Clean]. test. ess-div-1583dde351ce5e-20210927T190737851.". The second dataset is by Christianson D et al (2021), titled "FRAMES Metadata Reporting Templates for Ecohydrological Observations, version 1.1 -EDIT15. Next-Generation Ecosystem Experiments (NGEE) Tropics. ess-div-c780ca894777386-20210927T170235901.". The third dataset is by Hanson P et al (2015), titled "SPRUCE S1 Bog Environmental Monitoring Data: 2010-2016. SPRUCE. ess-div-b3e734e27196095-20210909T082411825927.". To the right of the dataset list is a map of North America with numbered markers (1, 76, 16, 8, 1) indicating the geographic locations of the datasets. The map includes zoom controls and a "Hide Map" button. At the bottom of the page are logos for Berkeley Lab, NERSC, NCEAS, and the U.S. Department of Energy Office of Science, along with keyboard shortcuts, map data year (2021), and a 2000 km scale bar.

- This is a one **data view**
- The Search Page is a **view of every dataset** published on ESS-DIVE

Data Portal Example: Project Data



ALPINE TREELINE WARMING EXPERIMENT

Alpine Treeline Warming Experiment Data Portal

The Alpine Treeline Warming Experiment (ATWE) ran from 2008-2016 on Niwot Ridge, in the Front Range of the Colorado Rocky Mountains. It combined common gardens with climate manipulations, using infrared heaters to warm soil and plant surfaces by an amount comparable to current average projections of climate warming in the year 2100. Data from the project, initially published papers, is archived on ESS-DIVE.

About

Publications

Data

Metrics

About ATWE

Experimental Setup

PI's and Collaborators

The Alpine Treeline Warming Experiment (ATWE) was a common garden-climate manipulation experiment replicated across an elevation gradient at Niwot Ridge, CO. We hoped to answer three questions through the project, which also included growth chamber experiments and modeling:

1. Will subalpine trees, currently restricted from cooler, higher elevations, move into alpine habitat and replace alpine plant species as a result of climate warming?
2. Will subalpine trees be stressed by warmer temperatures and be less successful in their existing elevational ranges as a result of climate warming?

Data Portal Example: Experiment Data



The screenshot shows the SPRUCE Experiment Data Portal. At the top left is the SPRUCE logo, which includes a stylized tree and the text 'SPRUCE'. To its right is the title 'SPRUCE Experiment Data Portal'. Below the title is the text 'TBD - description'. A navigation bar contains three tabs: 'About' (highlighted in teal), 'Data' (in dark blue), and 'Metrics' (in dark blue). The main content area features a large background image of a glass-enclosed experimental facility with trees and scientific equipment inside. A semi-transparent blue banner is overlaid on the image with the text 'General information and data access for the SPRUCE Experiment'. At the bottom left, a dark blue sidebar lists navigation options: 'About the SPRUCE Experiment', 'SPRUCE (Spruce and Peatland Responses Under ...', 'SPRUCE Plot Characteristics', and 'Maps of SPRUCE Plot and Enclosure Features'. The main content area below the banner has the heading 'About the SPRUCE Experiment' followed by a paragraph: 'SPRUCE (Spruce and Peatland Responses Under Changing Environments) is an experiment to assess the response of northern peatland ecosystems to increases in temperature and exposures to elevated atmospheric CO2 concentrations.'



SPRUCE Experiment Data Portal

TBD - description

About

Data

Metrics

General information and data access for the SPRUCE Experiment

About the SPRUCE Experiment

SPRUCE (Spruce and Peatland Responses Under ...

SPRUCE Plot Characteristics

Maps of SPRUCE Plot and Enclosure Features

About the SPRUCE Experiment

SPRUCE (Spruce and Peatland Responses Under Changing Environments) is an experiment to assess the response of northern peatland ecosystems to increases in temperature and exposures to elevated atmospheric CO₂ concentrations.

Data Portal Example: Field Site



Data from the East River Watershed, Colorado

This is a data portal to collect all data collected from the East River Watershed, Colorado.

About

Community

Data

Metrics

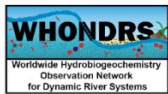
Data from the East River Watershed in the Upper Colorado River Basin

A collection of data packages generated across institutions at the East River Watershed.

The East River Watershed Community Observatory site encompasses the drainages of the East River, Washington Gulch, Slate River, and Coal Creek that collectively constitute a significant fraction of water and nutrient inputs to the Upper Gunnison Basin. The East River Watershed serves as a community testbed for 30+ institutions advancing our understanding of hydrobiogeochemical dynamics and responses to hydrologic perturbations of mountainous catchments. As headwater systems, such catchments are the principle source of water and solutes delivered to downstream stakeholders.

The watershed is located northeast of the town of Crested Butte, Colorado (USA) and covers an area of ca. 300 square kilometers at an average elevation of 3266 meters. Over the Watershed's 1420 meters of topographic relief, pronounced gradients exist in hydrology, geomorphology, biome type or life zone (montane, subalpine, alpine), and extent of impact by historic mining activities and naturally mineralized rock, with Slate River and Coal Creek more heavily impacted by heavy metals, such as arsenic, copper, cadmium, and zinc, than either the East River or Washington Gulch, which are by comparison relatively pristine.

Data Portal Example: Research Topic



Worldwide Hydrobiogeochemistry Observation Network for Dynamic River Systems

<https://whondrs.pnnl.gov>

About

Data

Metrics

Data from the Worldwide Hydrobiogeochemistry Observation Network for Dynamic River Systems

For more information about WHONDRS, go to <https://whondrs.pnnl.gov>

The Worldwide Hydrobiogeochemistry Observation Network for Dynamic River Systems (WHONDRS) is a research consortium that aims to understand coupled hydrologic, biogeochemical, and microbial function within river corridors, with an emphasis on increasing accessibility of resources and knowledge throughout the research life cycle. WHONDRS seeks to galvanize a global community around understanding these coupled systems from local to global scales and ultimately to provide the scientific basis for improved management of dynamic river corridors throughout the world.

Go to <https://whondrs.pnnl.gov> to learn about WHONDRS research and ways that you can get involved.

Data Portal Example: Research Topic



Carbon Dioxide Information Analysis Center

The Carbon Dioxide Information Analysis Center (CDIAC) had the primary responsibility for providing the US government and research community with global warming data and analysis as it pertains to energy issues. The CDIAC archive data holdings have been transferred predominantly to the U.S. Department of Energy's (DOE) Environmental System Science Data Infrastructure for a Virtual Ecosystem (ESS-DIVE) archive.

About

Fossil-Fuel Emissions

Vegetation Response to CO₂

FAQs

Data

Metrics

Data from the Climate-Change Data and Information Analysis Center (CDIAC)

During its operation, CDIAC focused on obtaining, evaluating and distributing data related to climate change and greenhouse gas emissions


About CDIAC

Frequently Used Data Products

This portal is a work in progress and the pages may be updated to include new information. If you have feedback on the portal, please contact ess-dive-support@lbl.gov

Data Portal Feature: Freeform pages





Carbon Dioxide Information Analysis Center

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[About](#) | [Fossil-Fuel Emissions](#) | [Vegetation Response to CO2](#) | [FAQs](#) | [Data](#) | [Metrics](#)

Fossil-Fuel CO2 Emissions

CDIAC's most well-cited dataset collection

Include as many pages as needed!

Fossil-Fuel CO₂ Emissions

DOI: 10.3334/CDIAC/00001_V2017
Citation: Boden T ; Marland G ; Andres R J (1999): Global, Regional, and National Fossil-Fuel CO2 Emissions (1751 - 2014) (V. 2017). Carbon Dioxide Information Analysis Center (CDIAC), Oak Ridge National Laboratory (ORNL), Oak Ridge, TN (United States). doi:10.3334/CDIAC/00001_V2017

Global

Since 1751 just over 400 billion metric tonnes of carbon have been released to the atmosphere from the consumption of fossil fuels and cement production. Half of these fossil-fuel CO2 emissions have occurred since the late 1980s. The 2014 global fossil-fuel carbon emission estimate, 9855 million metric tons of carbon, represents an all-time high and a 0.8% increase over 2013 emissions. The slight increase continues a three-year trend of modest annual growth under 2% per year. This modest growth comes on the heels of a quick recovery from the 2008-2009 Global Financial Crisis which had obvious short-term economic and energy use consequences, particularly in North America and Europe.

Globally, liquid and solid fuels accounted for 75.1% of the emissions from fossil-fuel burning and cement production in 2014. Combustion of gas fuels (e.g., natural gas) accounted for 18.5% (1823 million metric tons of carbon) of the total emissions from fossil fuels in 2014 and reflects a gradually increasing global utilization of natural gas. Emissions from cement production (568 million metric tons of carbon in 2014) have more than doubled in the last decade and now represent 5.8% of global CO2 releases from fossil-fuel burning and cement production. Gas flaring, which accounted for roughly 2% of global emissions during the 1970s, now accounts for less than 1% of global fossil-fuel releases.

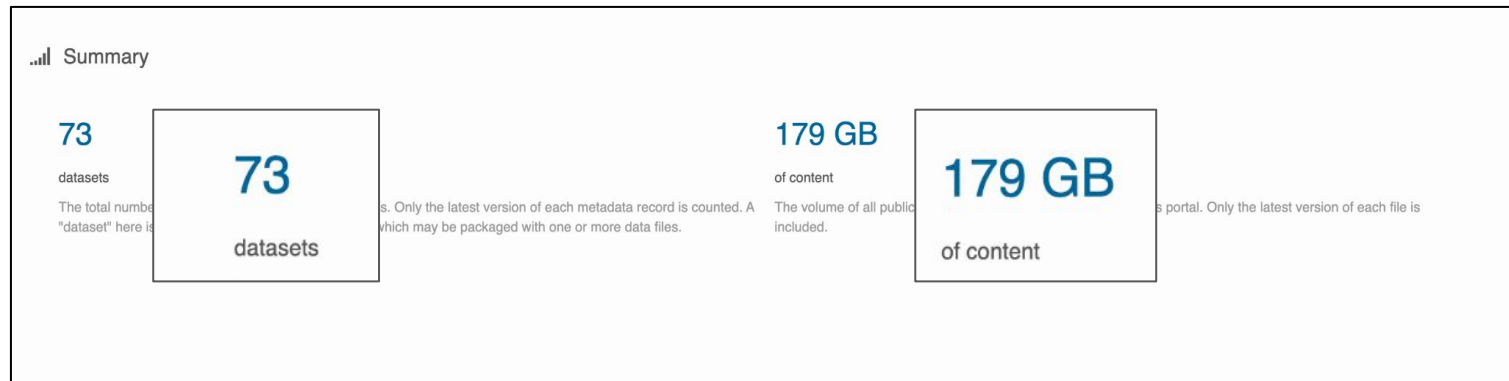
[Back to previous](#) | [Go Home](#)

Descriptive freeform pages give your data collection broader **scientific context** beyond dataset metadata alone

Review: Why create data portals

Why create a data portal?

Leverage Metrics feature




Data Portal metrics summarize **data contribution and use**:

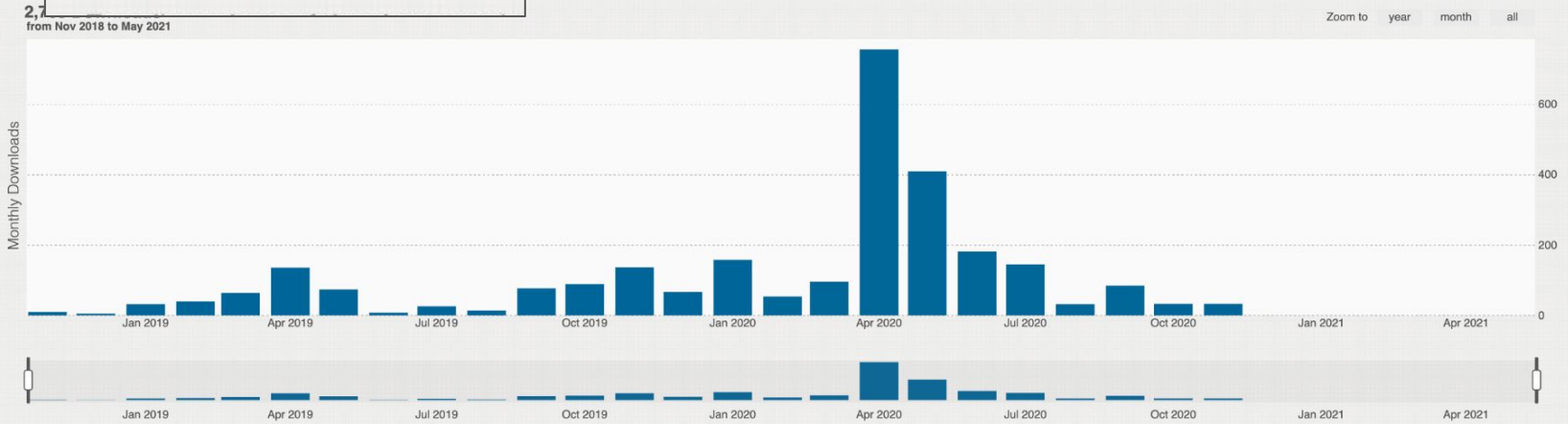
- Easily see how much data has been published
- Review data use statistics across entire collection

Metrics: Downloads



📁 2.8K Downloads

For all versions of downloads within [slider] the data sets were downloaded over time. These download counts are COUNTER compliant, meaning that downloads from some Internet robots and repeat
Drag the slider to  2.8K Downloads



Metrics: Views



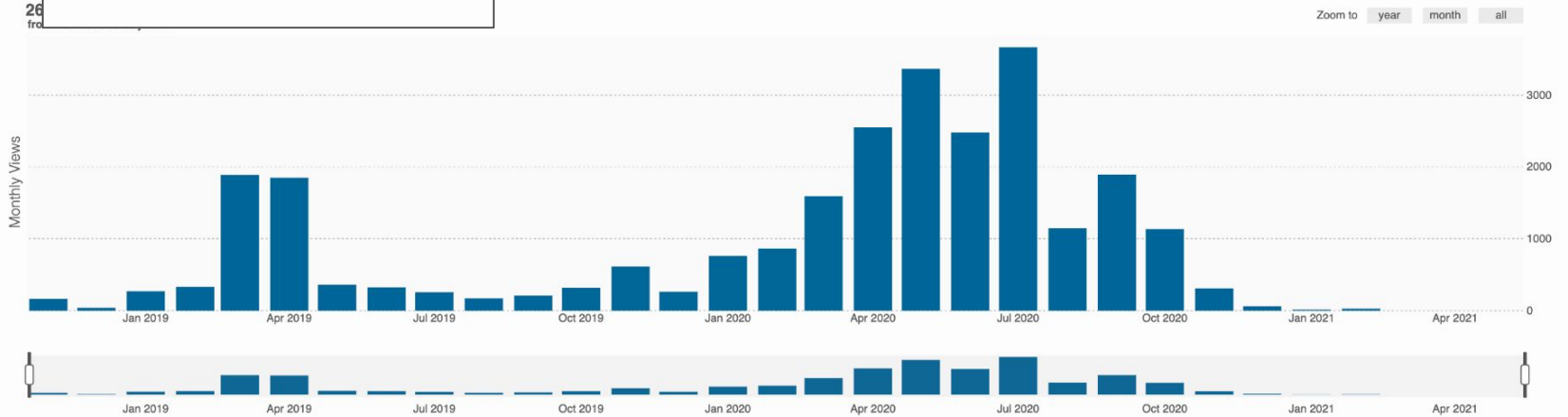
👁 26.9K Views

For all versions of these data sets was viewed over time. These view counts are COUNTER compliant, meaning that views from some Internet robots and repeat views within a certain time window are excluded.

Drag the slider to

👁 26.9K Views

Zoom to year month all



Metrics: Citations



” 234 Citations

For all versions

ported to DataONE.

” 234 Citations

s from Carbon Monoxide. Biogenesis of Hydrocarbons. pp. 1-29. https://doi.org/10.1007/978-3-319-53114-4_4-1.

George Brett RUNION, Stephen A. PRIOR, Tyler A. MONDAY, and Janice RYAN-BOHAC. 2018. Effects of Elevated CO₂ on Growth of the Industrial Sweetpotato Cultivar CX-1. *Environment Control in Biology*. Vol. 56. pp. 89-92. <https://doi.org/10.2525/ecb.56.89>.
Cites Data: (Ralph F. Keeling et al. 2009).

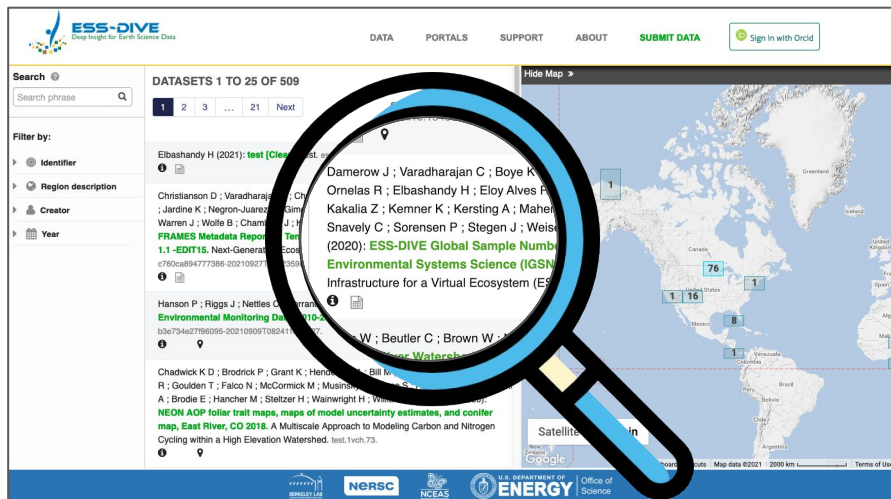
Kieran M. Stanley, Aoife Grant, Simon O'Doherty, Dickon Young, Alistair J. Manning, et al. 2018. Greenhouse gas measurements from a UK network of tall towers: technical description and first results. *Atmospheric Measurement Techniques*. Vol. 11. pp. 1437-1458. <https://doi.org/10.5194/amt-11-1437-2018>.
Cites Data: (R. Prinn et al. 2001).

R. Lakhraj-Govender and SW. Grab. 2018. Temperature trends for coastal and adjacent higher lying interior regions of KwaZulu-Natal, South Africa. *Theoretical and Applied Climatology*. <https://doi.org/10.1007/s00704-018-2602-6>.
Cites Data: (P. D. Jones et al. 2000).

Richard Davy, Linling Chen, and Edward Hanna. 2018. Arctic amplification metrics. *International Journal of Climatology*. Vol. 38. pp. 4384-4394. <https://doi.org/10.1002/joc.5675>.
Cites Data: (J. E. Hansen et al. 2009).

Why create a data portal?

To increase the Findability of datasets

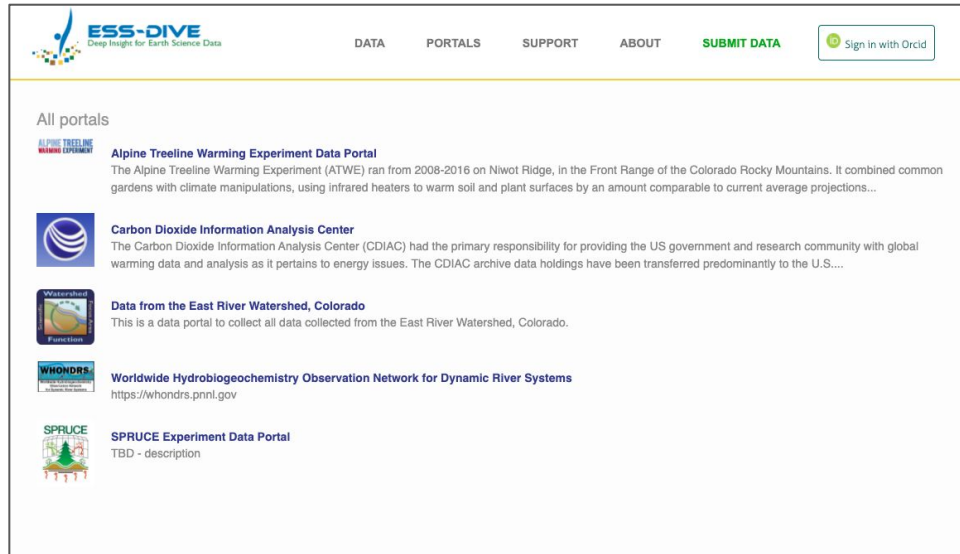
A screenshot of the ESS-DIVE data portal interface. The page shows a search bar, a filter sidebar on the left, and a list of datasets. A magnifying glass is overlaid on the screen, focusing on a specific dataset entry. The entry text includes: "Damerow J ; Varadharajan C ; Boye K ; Ornelas R ; Elbashandy H ; Eloy Alves F ; Kakalia Z ; Kemner K ; Kersting A ; Mahesh Snavely C ; Sorensen P ; Stegen J ; Weisenborn M ; Wozniak D ; Ziegler R (2020): ESS-DIVE Global Sample Number (GSD) Environmental Systems Science (IGSN) Infrastructure for a Virtual Ecosystem (ESS-DIVE)". The interface also shows a map of the world with several location markers and a search bar at the top.

The list of datasets in a portal is smaller thus it:

- Makes it easier to **find your datasets** in ESS-DIVE
- Allows for more **specific data searches**

Why create a data portal?

Elevate project identity

A screenshot of the ESS-DIVE website's "All portals" page. The header includes the ESS-DIVE logo, navigation links for DATA, PORTALS, SUPPORT, ABOUT, and SUBMIT DATA, and a "Sign in with Orcid" button. The main content area lists five data portals, each with a small icon, a title, and a brief description.

ESS-DIVE
Deep Insight for Earth Science Data

DATA PORTALS SUPPORT ABOUT SUBMIT DATA Sign in with Orcid

All portals

ALPINE TREELINE WARMING EXPERIMENT
Alpine Treeline Warming Experiment Data Portal
The Alpine Treeline Warming Experiment (ATWE) ran from 2008-2016 on Niwot Ridge, in the Front Range of the Colorado Rocky Mountains. It combined common gardens with climate manipulations, using infrared heaters to warm soil and plant surfaces by an amount comparable to current average projections...

Carbon Dioxide Information Analysis Center
The Carbon Dioxide Information Analysis Center (CDIAC) had the primary responsibility for providing the US government and research community with global warming data and analysis as it pertains to energy issues. The CDIAC archive data holdings have been transferred predominantly to the U.S....

Observation
Data from the East River Watershed, Colorado
This is a data portal to collect all data collected from the East River Watershed, Colorado.

WHONDORS
Worldwide Hydrobiogeochemistry Observation Network for Dynamic River Systems
<https://whondrs.pnnl.gov>

SPRUCE
SPRUCE Experiment Data Portal
TBD - description

- **Easy access** to all project data
- Use the Data Portal as a **personalized website** for your project

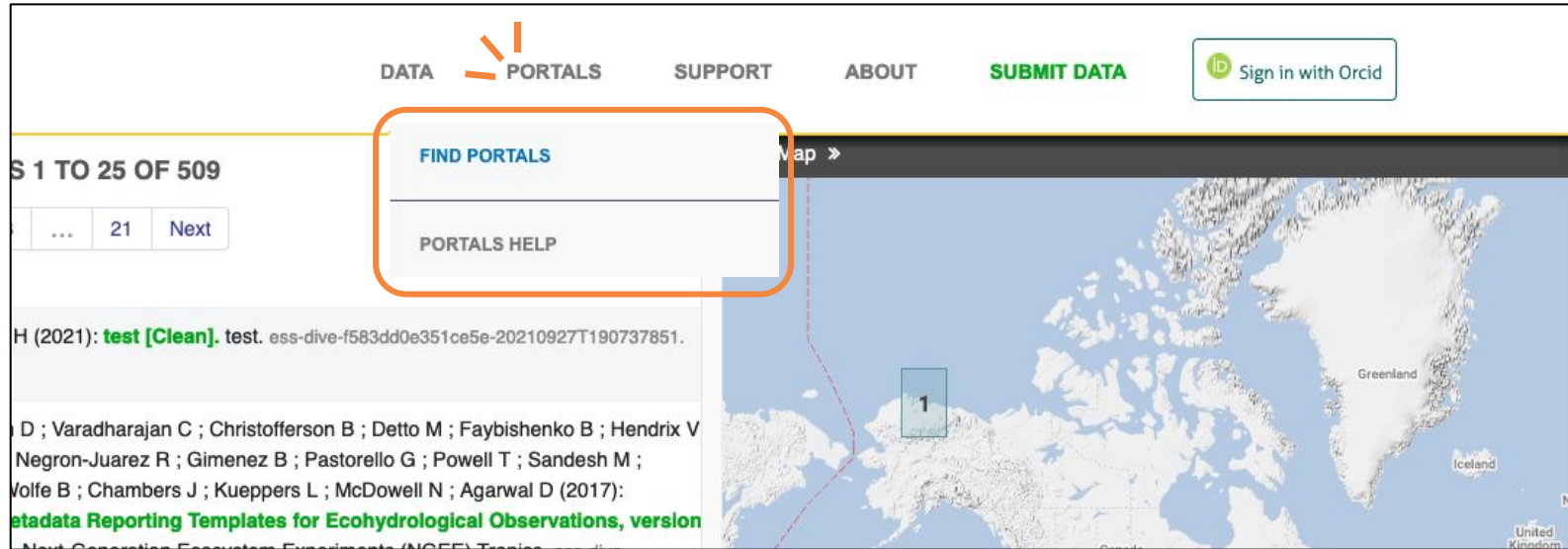
Any Questions?



NEW Find Data Portals on ESS-DIVE

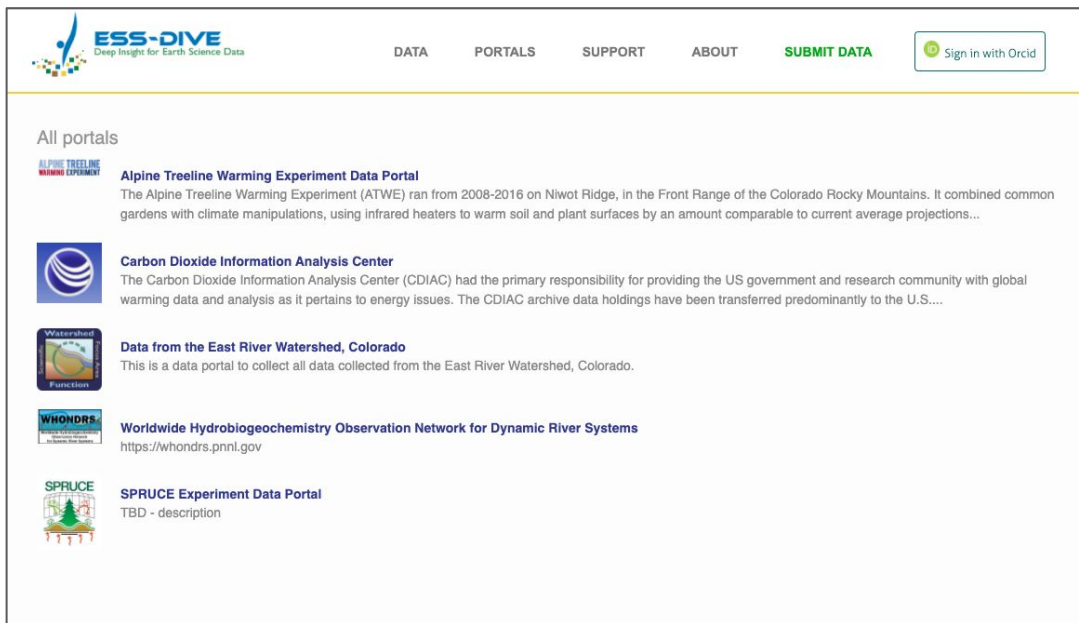


Portal Page on ESS-DIVE

A screenshot of the ESS-DIVE website's navigation bar. The navigation bar includes links for "DATA", "PORTALS", "SUPPORT", and "ABOUT". The "PORTALS" link is highlighted with an orange box and has a dropdown menu open. The dropdown menu contains two items: "FIND PORTALS" and "PORTALS HELP". To the right of the navigation bar is a "Sign in with Orcid" button. Below the navigation bar, there is a search bar with the text "1 TO 25 OF 509" and a "Map" button. A map of the Arctic region is visible on the right side of the page, with a small box labeled "1" over the North Pole area. The text "Greenland" and "Iceland" are visible on the map. Below the map, there is a list of publications, including one by "H (2021): test [Clean]. test. ess-dive-f583dd0e351ce5e-20210927T190737851." and another by "D ; Varadharajan C ; Christofferson B ; Detto M ; Faybishenko B ; Hendrix V ; Negron-Juarez R ; Gimenez B ; Pastorello G ; Powell T ; Sandesh M ; Wolfe B ; Chambers J ; Kueppers L ; McDowell N ; Agarwal D (2017): Metadata Reporting Templates for Ecohydrological Observations, version Next Generation Ecosystem Experiments (NGEE) Tropics".

The ESS-DIVE repository has a new menu item! Select the **Portals** button to access the portal page or all portal documentation

Portal Page on ESS-DIVE








The screenshot shows the ESS-DIVE website's "All portals" page. At the top left is the ESS-DIVE logo with the tagline "Deep Insight for Earth Science Data". To the right of the logo are navigation links: "DATA", "PORTALS", "SUPPORT", "ABOUT", and "SUBMIT DATA". Further right is a "Sign in with Orcid" button. Below the navigation is a section titled "All portals" which lists five data portals, each with a small icon, a title, and a brief description.

ESS-DIVE
Deep Insight for Earth Science Data

DATA PORTALS SUPPORT ABOUT SUBMIT DATA Sign in with Orcid

All portals

-  **Alpine Treeline Warming Experiment Data Portal**
The Alpine Treeline Warming Experiment (ATWE) ran from 2008-2016 on Niwot Ridge, in the Front Range of the Colorado Rocky Mountains. It combined common gardens with climate manipulations, using infrared heaters to warm soil and plant surfaces by an amount comparable to current average projections...
-  **Carbon Dioxide Information Analysis Center**
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-  **Data from the East River Watershed, Colorado**
This is a data portal to collect all data collected from the East River Watershed, Colorado.
-  **Worldwide Hydrobiogeochemistry Observation Network for Dynamic River Systems**
<https://whondrs.pnnl.gov>
-  **SPRUCE Experiment Data Portal**
TBD - description

- The Portals Page is publicly accessible!
- See a list of **all public Portals** on ESS-DIVE

Portal Page on ESS-DIVE



The screenshot shows the ESS-DIVE website interface. At the top left is the ESS-DIVE logo with the tagline "Deep Insights for Earth Science Data". To the right of the logo is a navigation menu with links for "DATA", "PORTALS", "SUPPORT", "ABOUT", "SUBMIT DATA", and a user profile icon labeled "- MADISON". Below the navigation is a "My portals" section with a "+ New portal" button and an "Edit" button. Under "My portals" is a "Portal Tutorial" card with the text "This is a portal tutorial". Below that is an "All portals" section listing several data portals: "Alpine Treeline Warming Experiment Data Portal", "Carbon Dioxide Information Analysis Center", "Data from the East River Watershed, Colorado", "Worldwide Hydrobiogeochemistry Observation Network for Dynamic River Systems", and "SPRUCE Experiment Data Portal". Each card includes a small icon, the portal name, and a brief description.


- Registered Data Contributors can login to see all their **private portals** on the Portal Page
- Use this page to **edit** or **create new** portals

ENHANCED

Filtering Data in a Data Portal

How to filter a data collection

Hosted by **ESS-DIVE**

 Carbon Dioxide Information Analysis Center

About Fossil-Fuel Emissions Vegetation Response to CO₂ FAQs Data

Search
Search these datasets 🔍

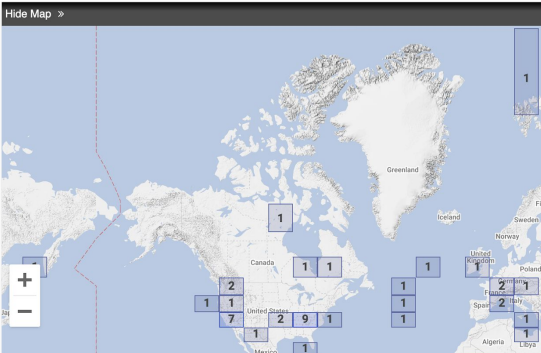
DATASETS 1 TO 25 OF 226

1 2 3 ... 10 Next Sort by Most recent ▾

Prinn R; Weiss R; Arduini J; Arnold T; DeWitt H; Fraser P; Ganesan A; Gasore J; Harth C; Hermansen O; Kim J; Krummel P; Li S; Loh Z; Lunder C; Maione M; Manning A; Miller B; Mitrevski B; Muhle J; O'Doherty S; Park S; Reimann S; Rigby M; Saito T; Salameh P; Schmidt R; Simmonds P; Steele L; Vollmer M; Wang H J (-; Yao B; Yokouchi Y; Young D; Zhou L (2018): **History of chemically and radiatively important atmospheric gases from the Advanced Global Atmospheric Gases Experiment (AGAGE)**.
doi:10.3334/CDIAC/ATG.DB1001
📄 📍 📄 99 4 📄 56 📄 904

Kovacs K; Horvath E (2000): **The United Nations Population Statistics Database**. doi:10.15485/1464266
📄 📄 168

Blake D (2005): **Methane, Nonmethane Hydrocarbons, Alkyl Nitrates, and Chlorinated Carbon Compounds including 3 Chlorofluorocarbons (CFC-11, CFC-12, and CFC-113) in Whole-air Samples (April 1979 – December 2012)**. doi:10.3334/CDIAC/ATG.002
📄 📄 232




In this section, we'll discuss how to filter ESS-DIVE datasets to your desired collection and offer some suggestions


What is the data filter?

Hosted by **ESS-DIVE** Madison

Logo Title *

 Portal Tutorial

⋮ About ⋮ Data ⋮ Metrics + ⚙ Settings

 **Change the data in your collection** ★ NEW

Your collection can include any of the datasets that are available on the network. Build rules based on metadata to define which datasets should be included in your collection. Data added to the network in the future that match these rules will also be added to your collection. Click the save button when you're happy with the results.

Need help building your data collection? [Get in touch.](#)

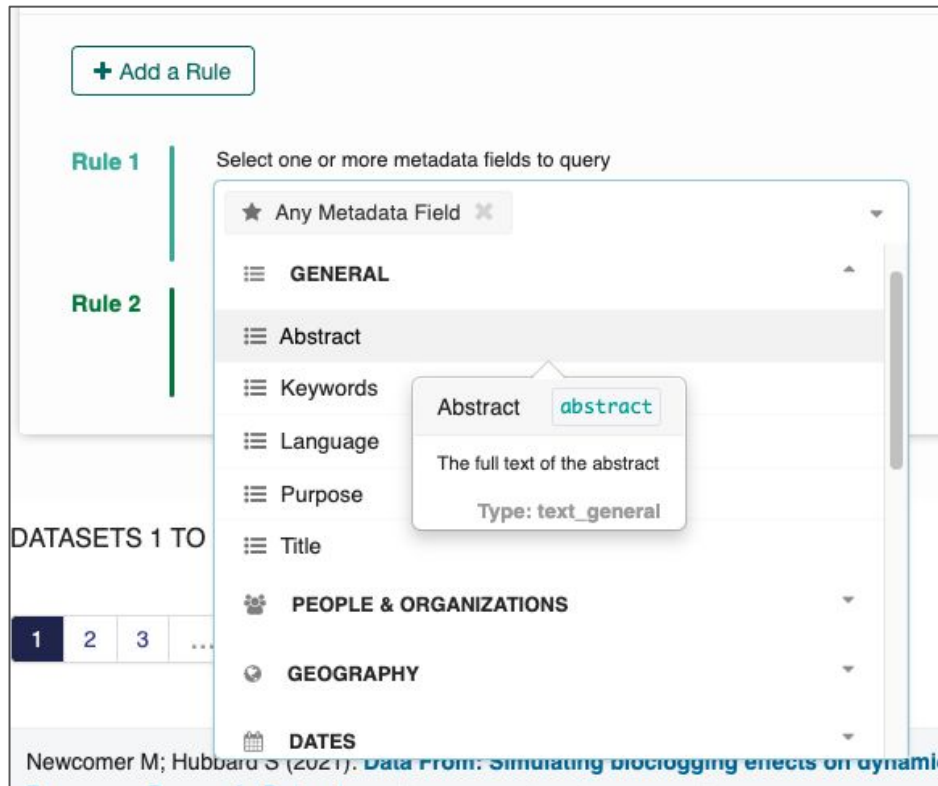
Include datasets with all of the following metadata

+ Add a Rule

	Select one or more metadata fields to query	Select an operator	Type a value	
Rule 1	<input type="text" value="★ Any Metadata Field x"/>	<input type="text" value="= equals"/>	<input type="text" value="test x"/>	✕
Rule 2	<input type="text" value="Search for or select a field"/>			✕

A **rule based tool** in the data tab that allows you to choose what metadata you want to see in your collection

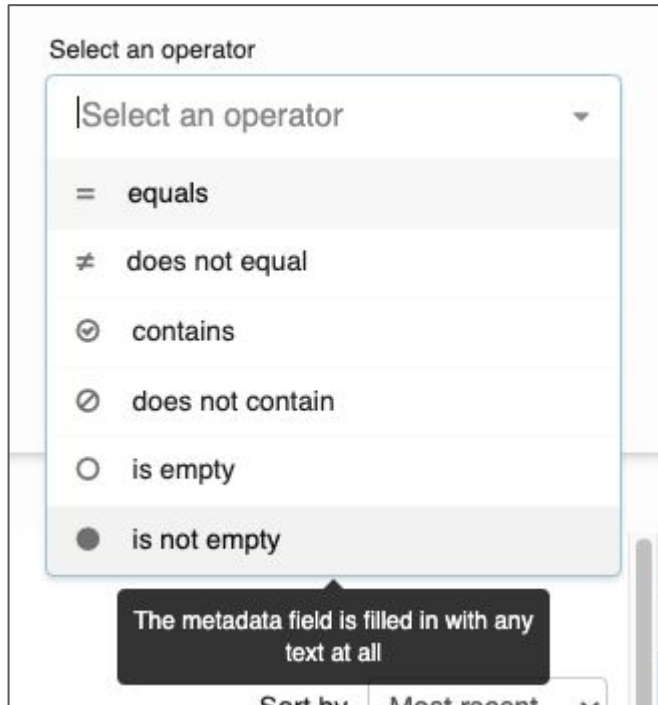
Filtering Data: Select Metadata Fields



The screenshot shows a web interface for filtering data. At the top left, there is a button labeled "+ Add a Rule". Below it, two vertical bars represent "Rule 1" and "Rule 2". The main area is a dropdown menu titled "Select one or more metadata fields to query". The menu is currently open, showing a search bar with "Any Metadata Field" and a list of categories: GENERAL, PEOPLE & ORGANIZATIONS, GEOGRAPHY, and DATES. Under the GENERAL category, several fields are listed: Abstract, Keywords, Language, Purpose, and Title. The "Abstract" field is highlighted, and a tooltip is displayed over it, showing the field name "Abstract", its value "abstract", a description "The full text of the abstract", and its type "text_general".

- What the filter will search on
- All metadata fields are available for selection via dropdown list
- Hover over a field to read a description

Filtering Data: Select Operation









- How the filter will choose datasets
- Six basic operations are available
- Hover over an operator to read a description

Filtering Data: Type a Value

Search for a person or group

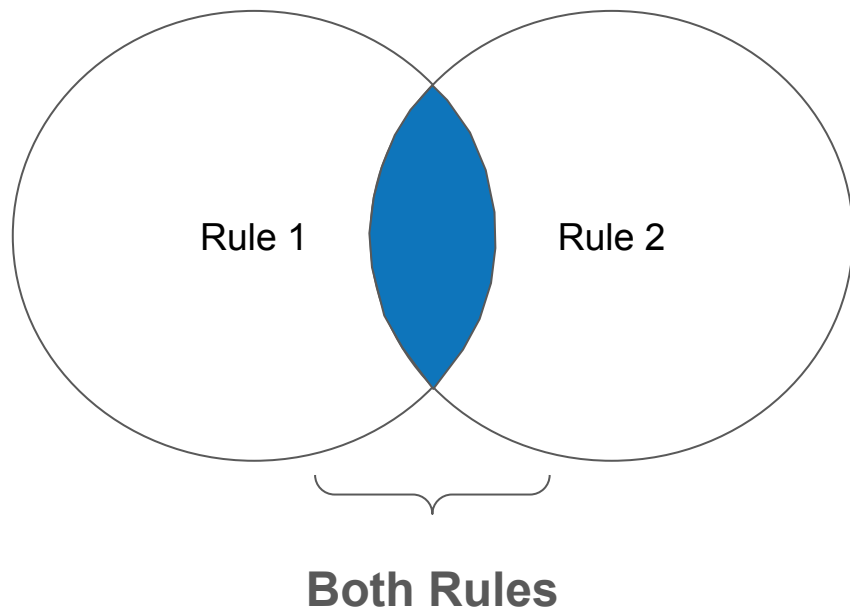
Char

Add **Char**

 Charlie Kershner	http://orcid.org/0000-0003-4857-3468
 Charles Day	http://orcid.org/0000-0002-1723-9216
 Charuleka Varadharajan	http://orcid.org/0000-0002-4142-3224
 Charlotte Reemts	http://orcid.org/0000-0002-6135-2785
 Charles Frost	http://orcid.org/0000-0002-6642-8371
 Charlotte Levy	http://orcid.org/0000-0002-3924-020X

- The word(s) that the filter will **find**
- Free Text field
- If you search by person, a dropdown of ESS-DIVE usernames will appear

Data Filter Boolean Logic



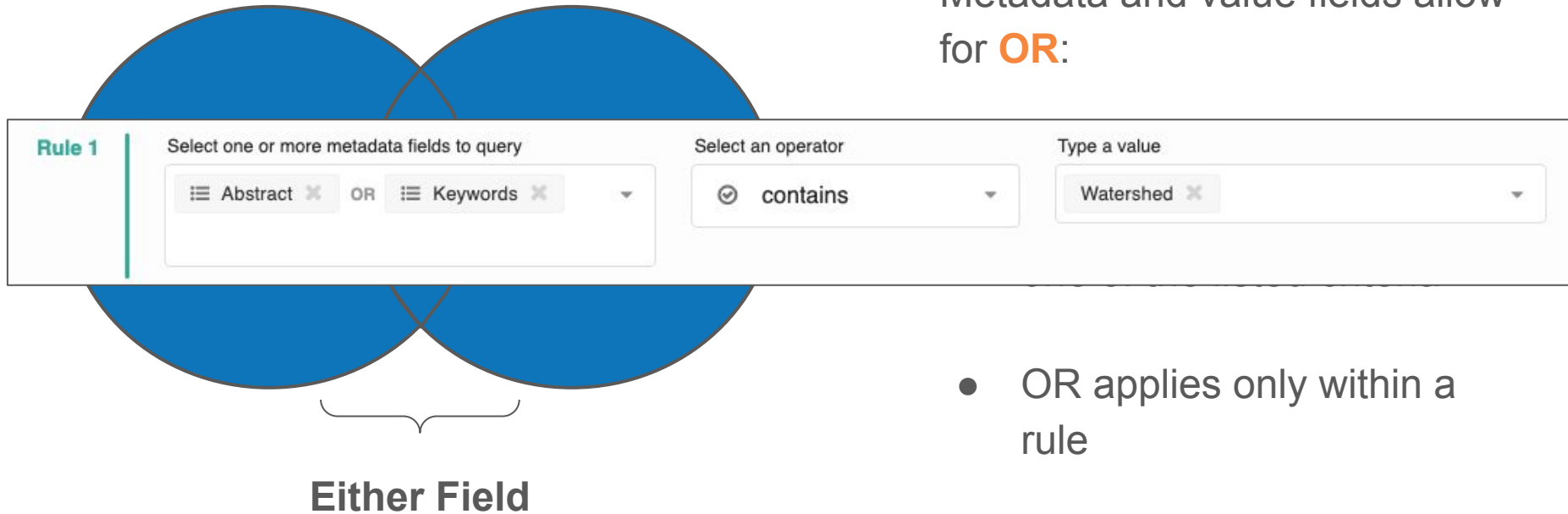
Rules follow **AND** command:

- Dataset results must follow all search rules

** We'll see this more on the example slides*

Data Filter Boolean Logic

Metadata and value fields allow for **OR**:

A Venn diagram with two overlapping blue circles. A white rectangular box is overlaid on the intersection of the circles. Below the circles, a bracket spans the width of both circles, with the text "Either Field" centered underneath it.

Rule 1

Select one or more metadata fields to query

☰ Abstract ✕ OR ☰ Keywords ✕ ▼

Select an operator

☑ contains ▼

Type a value

Watershed ✕ ▼

Either Field

- OR applies only within a rule
- Yields broad results

Data Filter Example #1

Include datasets with all of the following metadata

[+ Add a Rule](#)

Rule 1

Select one or more metadata fields to query: Abstract OR Keywords

Select an operator: contains

Type a value: SPRUCE

Rule 2

Select one or more metadata fields to query: Project


Select an operator: equals

Type a value: Climate Change-Terrestrial Ecosystem Science SFA

DATASETS 1 TO 20 OF 20

Sort by: Most recent

Wilson R; Tfaily M; Keller J; Bridgham S; Zalman C M; Hanson P; Pfeifer-Meister L; Chanton J; Kostka J (2017): **SPRUCE Geochemical Changes in Porewater from Northern Peatlands at Multiple Depths in Field Samples and over Time in Peat Incubations**. [ess-dive-8af5735b8e09b5f-20210924T152541416](https://doi.org/10.26434/chemrxiv-2017-8af57).



Hide Map >>

Data Filter Example #2

Include datasets with all of the following metadata

[+ Add a Rule](#)

Rule 1

Select one or more metadata fields to query: Project

Select an operator: = equals

Type a value: Watershed Function SFA

Rule 2

Select one or more metadata fields to query: Submitter Username

Select an operator: = equals

Search for a person or group: Madison Burrus OR Hesham Elbashandy


Hint: The field you selected is case-sensitive. Capitalization matters here.

DATASETS 1 TO 25 OF 99

1 2 3 4 Next

Sort by: Most recent

Newcomer M; Hubbard S (2021): **Data From: Influence of Hydrological Perturbations and Riverbed Sediment Characteristics on Hyporheic Zone Respiration of CO2 and N-2, Journal of Geophysical Research-Biogeosciences: Dataset.** ess-dive-283891464226ddd-20210928T011432824.



Filter Recommendations for Projects

Combine one or more of the following search criteria:

- **Project** + equals + <project title >
- **Submitter** + equals + <data contributor 1> **OR** <data contributor 2> **OR** ...
- Project **OR** Funding organization + equals + <project name> **OR** <funding org>
- **Alt. Identifier** + is not empty
 - Useful if all datasets were submitted with an alternate name

Data Portal Help

Portal Documentation



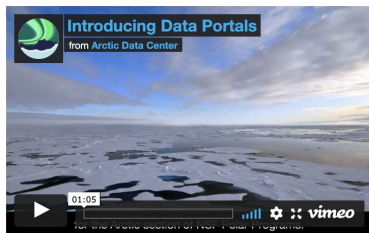
A screenshot of the ESS-DIVE Docs website. The page title is "Why Use Data Portals". The main content area contains two sections: "Why Use Data Portals" and "What is a Portal?". The left sidebar contains a navigation menu with categories like "Searching for Data", "Accessing Data", "CONTRIBUTING DATA", "PORTALS", and "SUPPORT". The "PORTALS" section is expanded, showing "Why Use Data Portals" as the selected item. The main content area has a search bar at the top right and a navigation menu at the top left. The text in the main content area describes the purpose of data portals and provides instructions on how to use them.

- ESS-DIVE has extensive **documentation** on how to develop your portal
- Includes information on all subjects covered in this webinar

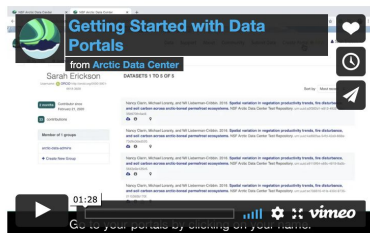
Tutorial Videos



Introduction to Portals



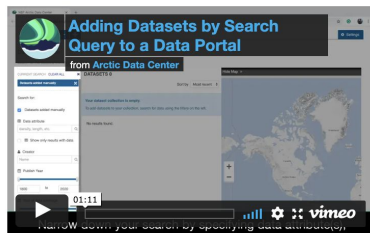
Getting Started



Creating a Freeform Text Page




Adding Datasets by Search Query




- View tutorial videos from our DataONE partners at the **Arctic Data Center**
- Great resource to recommend to colleagues

Freeform Page Resources



Communicate your science or project details on this page.  Styling using markdown is supported. [★ See markdown cheat sheet](#)

Type...	...to Get
# Heading 1	Heading 1
## Heading 2	Heading 2
Italic	<i>Italic</i>
Bold	Bold
[Link](link-url.com)	Link

Type...	...to Get
`Inline code`	Inline code
Code block	Code block
![[Image]](image-url.com) 	

Type...	...to Get
* List	• List
* List	• List
* List	• List
1. List	1. List
2. List	2. List
3. List	3. List

[Get more markdown help here](#)

 Edit  Preview

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Replace this example with your content. Styling using markdown is supported.

Level 1 Header

Markdown resources are available in every new freeform page:

- Cheat sheet
- Examples
- Links to tutorial videos and common commands

Portals are a powerful tool for connecting related datasets together



And it's super easy to get started!

- Create some initial rules for filtering your datasets
- Write about the Project, Research Topic, or Field Site that connects them together
- Revise with colleague feedback



Thank You!



@ESS-DIVE

Join ESS-DIVE's Community Mailing List!

<http://bit.ly/essdiveMailingList>

Contact us at ess-dive-support@lbl.gov