

DOE OSTI ORCID Integration Guide for Researchers

This guide is intended for users interested in adding works (e.g., publications, datasets, and any research output) to ORCID records using DOE OSTI.

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1. ORCID and DOE OSTI

ORCID 101

ORCID is a global, community-led, non-profit organization. ORCID offers an open and independent registry for uniquely identifying individuals in research systems used by publishers, funders, research organizations, and more by assigning individuals an ORCID iD.

ORCID iDs are a unique, persistent identifier for individuals (often used by researchers) meant to uniquely identify a person in various research-related systems. ORCID iDs remain persistent despite changes in name, the use of multiple names over time, or changes in affiliation. Individuals may register, maintain, and share their ORCID identifier for free.

An ORCID iD is associated with an individual's ORCID records. An ORCID record is the combination of the ORCID iD and all the information (name, email address, employment, affiliations, research outputs, funding, etc.) associated with an ORCID iD.

ORCID Works

ORCID works are research outputs – publications, datasets, technical reports, software, patents, dissertations, conference presentations, and more. Within an ORCID record, research outputs are listed under the Works section and are referred to as works.

For more information on ORCID iDs, ORCID records, and how to register for an ORCID iD, please refer to the [ORCID iD Guide for Researchers](#).

DOE OSTI and OSTI.GOV

The Department of Energy (DOE) Office of Scientific and Technical Information (OSTI) fulfills agency-wide responsibilities to collect, preserve, and disseminate both unclassified and classified outputs emanating from DOE-funded research and development (R&D) activities at DOE national laboratories and facilities and at universities and other institutions nationwide. OSTI provides access to DOE-funded R&D outputs/results through a suite of web-based search tools and through other commonly used search engines. [OSTI.GOV](#) is the primary search tool for DOE science, technology, and engineering research and development results. For more information, please view the [Introduction to OSTI.GOV video](#).

Energy Link System (E-Link)

E-Link is DOE OSTI's system for ingesting research outputs and associated metadata stemming from DOE funding. Research outputs include journal articles, technical reports, conferences, patents, datasets, software, dissertations, and more. DOE national labs, awarding and program offices, user facilities, and grantees submit research outputs to DOE via E-Link. E-Link accepts information by manual submission utilizing a [user interface](#) or [application programming interface](#) (API).

For more information, visit [E-Link's About page](#) or [E-Link FAQs](#).

ORCID Search & Link

ORCID provides access to Search & link wizards for users to more easily add research outputs to their ORCID records via trusted ORCID member systems such as Crossref, DataCite, or DOE / OSTI. Search & link wizards are ORCID's recommended way to populate a user's Works section of their ORCID record. Wizards make adding works easy and allow ORCID users to get data about their works directly from trusted sources, ensuring accurate information.

2. Add Works to ORCID Records Using OSTI.GOV

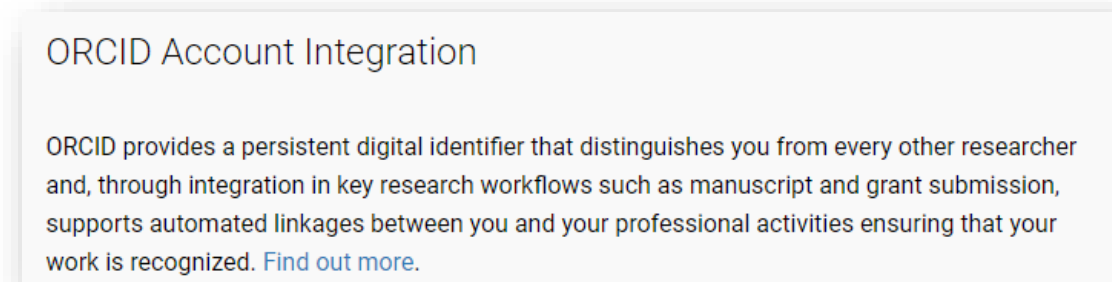
DOE OSTI offers an ORCID account integration in OSTI.GOV where users can add their DOE-funded R&D output records – publications, datasets, and any other research outputs – to their ORCID record directly from OSTI.GOV. When R&D outputs records found within OSTI.GOV are added to an ORCID record, they are included in the ORCID Works section of the record.

To add R&D output records from OSTI.GOV into an ORCID record:

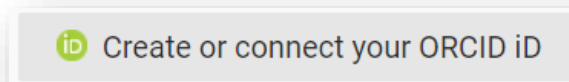
- Navigate to the top right of any [OSTI.GOV](https://www.osti.gov) page and select the *Sign In* button.



- On the [OSTI.GOV Sign In page](https://www.osti.gov/signin), scroll to the bottom of the page to view the *ORCID Account Integration* section.



- Select the *Create or connect your ORCID iD* button.



-
-

- A new window will pop up where a user can either:

- *Sign In* to ORCID with user credentials (email address or ORCID iD and password).

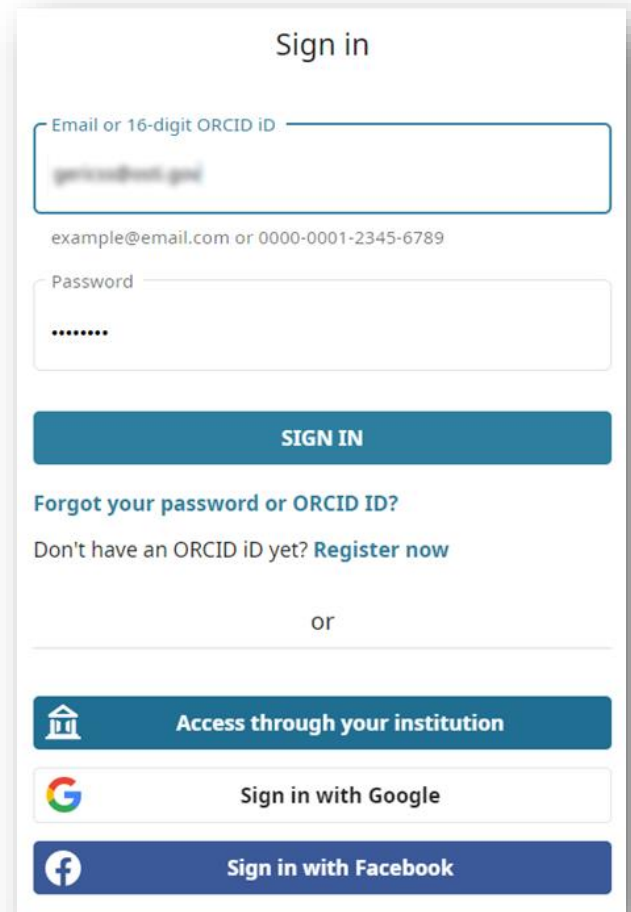
or

- [Register for an ORCID iD](#). After registration, the user will receive an email from ORCID with a unique link to verify the user's registration and email address. This email verification improves the security of the ORCID account.

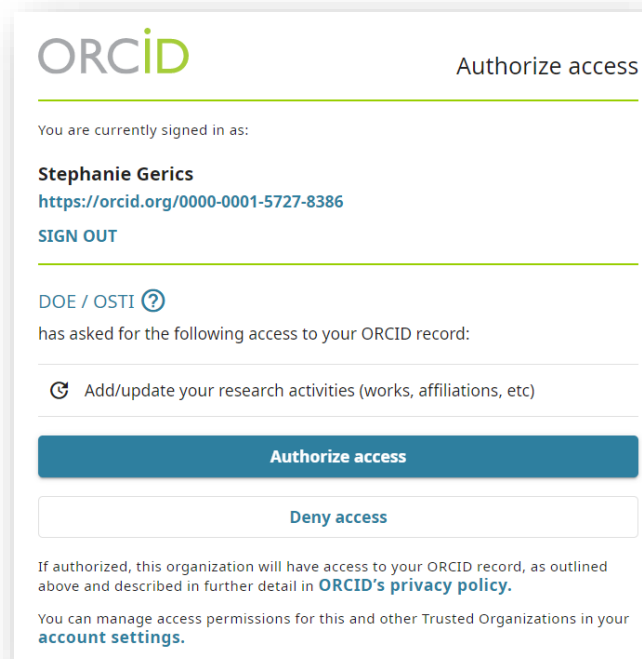
Once the user has a verified ORCID iD, the user's credentials (email address or ORCID iD and password) will allow *Sign In* to ORCID.

or

- *Sign In* through the user's institution, Google, or Facebook and connect to ORCID with the user's credentials.




- When using OSTI.GOV's ORCID account integration for the first time, the user will need to *Authorize access* to approve *DOE / OSTI* to make changes (i.e., add the records the user selects) to the user's ORCID works.



- Once DOE / OSTI is authorized, the user will see an *Authorization successful!* confirmation page and select *Close this window*.


ORCID Account Integration

Authorization successful! You can now browse OSTI.GOV and add DOE research entries you've helped author directly to your ORCID Works.

 Close this window

- The original OSTI.GOV page will refresh to include the ORCID iD symbol next to the user's ORCID iD name. The ORCID Account Integration page will display *Authorization successful!*, the user's *ORCID Account Details*, *ORCID Works in OSTI.GOV*, and directions for adding works to the user's ORCID record using OSTI.GOV search. Browse DOE OSTI search results to identify records authored, coauthored, or contributed to by the user.

OSTI.GOV

 Stephanie Gerics

Sign In

Create Account


Submit Search Tools Public Access Data Services About FAQs News


ORCID Account Integration

Authorization successful!

ORCID Account Details

ORCID Works in OSTI.GOV

Name:	Stephanie Gerics
ORCID:	 https://orcid.org/0000-0001-5727-8386

You can search OSTI.GOV and add DOE research records you've authored directly to your ORCID Works. Use the search box above to find records, or search your name using [this customized search](#). From the search results list, you'll see  [Add to ORCID Works](#) in the bottom right on each record. Click the button to add that record to your ORCID Works. The record will be added to your ORCID record and will appear in your [ORCID Works in OSTI.GOV](#) list.


- When the user finds a record in the search results that they want to add to their ORCID works, select *Add to ORCID Works*.

1. Assessing mean climate change signals in the global CORDEX-CORE ensemble


Teichmann, Claas ; Jacob, Daniela ; Remedio, Armelle Reca ; ... - Climate Dynamics

The new Coordinated Output for Regional Evaluations (CORDEX-CORE) ensemble provides high-resolution, consistent regional climate change projections for the major inhabited areas of the world. It serves as a solid scientific basis for further research related to vulnerability, impact, adaptation and climate services in addition to existing CORDEX simulations. The aim of this study is to investigate and document the climate change information provided by the CORDEX-CORE simulation ensemble, as a part of the World Climate Research Programme (WCRP) CORDEX community. An overview of the annual and monthly mean climate change information in selected regions in different CORDEX domains is presented [more »](#)

<https://doi.org/10.1007/s00382-020-05494-x> | [Full Text Available](#)

 [Add to ORCID Works](#)

- A pop-up text box will appear and confirm the user would like to add this record to ORCID Works. Select *Add to my ORCID Works*.

 [Add to ORCID Works](#)

Add this item to your ORCID Works?

A new spatially distributed added value index for regional climate models: the EURO-CORDEX and the CORDEX-CORE highest resolution ensembles
(OSTI ID 1649386)

[Add to my ORCID Works](#)


- In the search results listing, the works the user added to the ORCID record will now show *In your ORCID Works*.

1. Assessing mean climate change signals in the global CORDEX-CORE ensemble

Teichmann, Claas ; Jacob, Daniela ; Remedio, Armelle Reca ; ... - Climate Dynamics

The new Coordinated Output for Regional Evaluations (CORDEX-CORE) ensemble provides high-resolution, consistent regional climate change projections for the major inhabited areas of the world. It serves as a solid scientific basis for further research related to vulnerability, impact, adaptation and climate services in addition to existing CORDEX simulations. The aim of this study is to investigate and document the climate change information provided by the CORDEX-CORE simulation ensemble, as a part of the World Climate Research Programme (WCRP) CORDEX community. An overview of the annual and monthly mean climate change information in selected regions in different CORDEX domains is presented [more »](#)

<https://doi.org/10.1007/s00382-020-05494-x> | [Full Text Available](#)

 [In your ORCID Works](#)

- To navigate back to the *ORCID Account Integration* page, select the user name next to the ORCID iD symbol at the top of the page. Under *ORCID Works in OSTI.GOV*, the user can view a list of works added to the ORCID record.



For more information, review [OSTI.GOV ORCID FAQs](#) or contact ORCIDConsortium@osti.gov.

3. Add Works Using OSTI.GOV From ORCID Search & Link Wizard.

To add works using ORCID's Search & link wizard for OSTI.GOV:

- Navigate to [ORCID](#), select *Sign In/Register*.
- A new window will pop up where a user can either:

- *Sign In* to ORCID with user credentials (email address or ORCID iD and password).

or

- [Register for an ORCID iD](#). After registration, the user will receive an email from ORCID with a unique link to verify their registration and email address. This email verification improves the security of the ORCID account.

Once the user has a verified ORCID iD, the user's credentials (email address or ORCID iD and password) will allow *Sign In* to ORCID.

or

- *Sign In* through the user's institution, Google, or Facebook and connect to ORCID with the user's credentials.

The screenshot shows the ORCID 'Sign in' page. At the top, it says 'Sign in'. Below this is a text input field labeled 'Email or 16-digit ORCID iD' with a placeholder 'example@email.com or 0000-0001-2345-6789'. Underneath is a 'Password' field with masked characters. A blue 'SIGN IN' button is positioned below the password field. Below the button, there is a link 'Forgot your password or ORCID ID?' and a text prompt 'Don't have an ORCID iD yet? Register now'. Further down, separated by an 'or' text, are three social login options: 'Access through your institution' (with a building icon), 'Sign in with Google' (with the Google logo), and 'Sign in with Facebook' (with the Facebook logo).

- Scroll down to the Works section of your ORCID record, hover over *+Add works* and select *Search & link*.

The screenshot displays the 'Works' section of an ORCID record. The header shows '▼ Works (1 of 1)' and a help icon. On the right, there are buttons for '+ Add works', 'Export works', and 'Sort'. Below the header, a list of actions is visible: 'COMBINE', 'DELETE', and icons for sharing, linking, and locking. A work entry is shown with the title 'Assessing mean climate change signals in the global CORDEX-CORE ensemble', journal 'Climate Dynamics', date '2020-11 | journal-article', 'OTHER-ID: 1709111', and 'DOI: 10.1007/s00382-020-05494-x'. The source is listed as 'Source: DOE/OSTI' and marked as a 'Preferred source'. A dropdown menu is open from the '+ Add works' button, showing options: 'Search & link' (highlighted), 'Add ArXiv ID', 'Add DOI', 'Add PubMed ID', 'Import BibTeX', and 'Add manually'. To the right of the menu, there are icons for checking, adding, linking, and locking the work.

- Under *Link Works*, select *DOE / OSTI* from the list of member organizations.

▼ Works (1 of 1) [+ Add works](#) [Export works](#) [Sort](#)

LINK WORKS [Hide link works](#)

ORCID works with our member organizations to make it easy to connect your ORCID ID and link to information in their records. Choose one of the link wizards to get started. [More information about linking works](#)

Work type: Geographical area:

Airiti
Enables users to import metadata from Airiti, including journal papers, proceedings, dissertations, and books. Scholars can easily collec...

BASE - Bielefeld Academic Search Engine
BASE is one of the world's most voluminous academic search engines. It searches metadata about more than 100 million documents fr...

Crossref Metadata Search
Import your publications from Crossref's authoritative, publisher-supplied metadata on over 70 million scholarly journal and conferenc...

DOE/OSTI
Search over 3 million energy and basic science research result records from the US Department of Energy (DOE) and predecessor agencies. Import records from OSTI.GOV into your ORCID record, including journal articles; technical reports; data; scientific software; patents; conference and workshop papers; books; dissertations and theses; and multimedia. DOE's Office of Scientific and Technical Information (DOE OSTI) fulfills agency-wide responsibilities to collect, preserve, and disseminate research results emanating from DOE-funded activities at DOE national laboratories and facilities, at universities, and other institutions nationwide. [▶](#)

[? Help](#)

- If it is their first time using the DOE / OSTI Search & link wizard, the user will need to *Authorize access* to approve DOE / OSTI to make changes (i.e., add the records the user selects) to their ORCID Works.

ORCID **Authorize access**

You are currently signed in as:

Stephanie Gerics
<https://orcid.org/0000-0001-5727-8386>
[SIGN OUT](#)

DOE / OSTI [?](#)

has asked for the following access to your ORCID record:

- Add/update your research activities (works, affiliations, etc)
- Read your information with visibility set to Trusted Organizations

Authorize access

Deny access

If authorized, this organization will have access to your ORCID record, as outlined above and described in further detail in [ORCID's privacy policy](#).

You can manage access permissions for this and other Trusted Organizations in your [account settings](#).

- Once DOE / OSTI is authorized, the OSTI.GOV page will appear with the ORCID iD symbol next to the user's ORCID iD name. The ORCID Account Integration page will display *Authorization successful!*, the user's *ORCID Account Details*, *ORCID Works in OSTI.GOV*, and directions for adding works to the user's ORCID record using OSTI.GOV's search. Browse DOE / OSTI search results to identify records authored, coauthored, or contributed to by the user.

OSTI.GOV U.S. Department of Energy Office of Scientific and Technical Information

Search 3+ million Department of Energy research results

Submit Research Results Search Tools Public Access Policy Data Services & Dev Tools About FAQs News

ORCID Account Integration

Authorization successful! You can now browse OSTI.GOV and add DOE research entries you've helped author directly to your ORCID Works.

[ORCID Account Details](#) [ORCID Works in OSTI.GOV](#)

Name: Stephanie Gerics

ORCID: <https://orcid.org/0000-0001-5727-8386>

You can search OSTI.GOV and add DOE research records you've authored directly to your ORCID Works. Use the search box above to find records, or search your name using [this customized search](#). From the search results list, you'll see [Add to ORCID Works](#) in the bottom right on each record. Click the button to add that record to your ORCID Works. The record will be added to your ORCID record and will appear in your [ORCID Works in OSTI.GOV](#) list.

- When the user finds records in the search results that they want to add to their ORCID Works, select *Add to ORCID Works*.

1. Assessing mean climate change signals in the global CORDEX-CORE ensemble

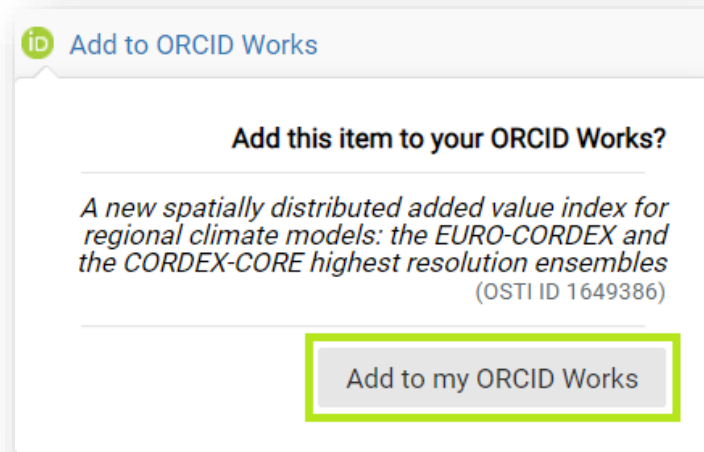
Teichmann, Claas ; Jacob, Daniela ; Remedio, Armelle Reca ; ... - Climate Dynamics

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<https://doi.org/10.1007/s00382-020-05494-x> | [Full Text Available](#)

[Add to ORCID Works](#)

- A pop-up text box will appear and confirm that the user would like to add this record to ORCID Works. Select *Add to my ORCID Works*.




- In the search results, the works the user added to the ORCID record will now show *In your ORCID Works*.

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Teichmann, Claas ; Jacob, Daniela ; Remedio, Armelle Reca ; ... - Climate Dynamics

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<https://doi.org/10.1007/s00382-020-05494-x> | [Full Text Available](#)

 In your ORCID Works

- To navigate back to the *ORCID Account Integration* page, select the user name next to the ORCID iD symbol at the top of the page. Under *ORCID Works in OSTI.GOV*, the user can view a list of works added to the ORCID record.

The screenshot shows the OSTI.GOV website interface. At the top, the user 'Stephanie Gerics' is logged in, with a 'Sign In' and 'Create Account' link. The main navigation bar includes 'Submit', 'Search', 'Access', 'Data', 'About', 'FAQs', and 'News'. The page title is 'ORCID Account Integration'. Below the title, there are two tabs: 'ORCID Account Details' and 'ORCID Works in OSTI.GOV', with the latter being selected. The 'ORCID Works in OSTI.GOV' tab displays a list of research works:

- Assessing mean climate change signals in the global CORDEX-CORE ensemble
- A new spatially distributed added value index for regional climate models: the EURO-CORDEX and the CORDEX-CORE highest resolution ensembles
- Fine-root dynamics vary with soil depth and precipitation in a low-nutrient tropical forest in the Central Amazonia
- Structure of the cell-binding component of the *Clostridium difficile* binary toxin reveals a di-heptamer macromolecular assembly

For more information, review [OSTI.GOV ORCID FAQs](#) or contact ORCIDConsortium@osti.gov.

4. Add Works to ORCID Records Using E-Link

The E-Link ingest system allows DOE federal employees, contractors, individuals funded by DOE (grantees, financial assistance recipients, awardees), or individuals utilizing a DOE facility to provide DOE-funded research results and associated metadata to DOE. E-Link users may enter information using the [user interface](#) or [application programming interface](#) (API).

Users can add ORCID iDs in E-Link for each author or contributor:

- Through the API, ORCID iDs can be provided in the *<authors>* and *<contributors>* associated metadata fields. Contributors can only be provided in data records submitted in E-Link.

EXAMPLE CREATOR DETAILS

```
<authors>
<authors_detail>
  <first_name>Sample</first_name>
  <middle_name>Q.</middle_name>
  <last_name>Mann</last_name>
  <affiliation_name>Test Persons, Inc.</affiliation_name>
  <private_email>sampleguy@someplace.com</private_email>
  <orcid_id>0000-1111-2222-3333</orcid_id>
</authors_detail>
<!-- optionally more details -->
</authors>
```

- Through the user interface, ORCID iDs can be provided with the *Author(s) and Contributor(s)*. Contributors can only be provided in data records submitted in E-Link.

Manage Author

* First Name:

Middle Name:

* Last Name:

E-mail:

ORCID iD:

To request an ORCID® identifier (ORCID iD) or learn more about ORCID iDs, please [click here](#).

Affiliation:

Add

Primary:

☐

Save and Close

- ORCID iDs added to authors and contributors in E-Link are not currently authenticated by the ORCID record holder, unless the ORCID record holder has previously authenticated their ORCID iD in OSTI.GOV and has given DOE OSTI permission to Add/Update their ORCID records.
- If the ORCID record holder gives DOE OSTI permission to Add/Update their ORCID record, when a new record with their ORCID iD is submitted to DOE OSTI via E-Link, DOE OSTI will automatically add the new E-Link record to their ORCID record.

5. ORCID iD Display in OSTI Search Tools

- When ORCID iDs are provided in E-Link's author and contributor metadata, they are displayed in [OSTI search tools](#) (including OSTI's primary search tool for DOE-funded research results, OSTI.GOV).
- Users can search OSTI.GOV for DOE-funded research records using basic or advanced search. They can search by ORCID iD in the Author/Contributor field in the advanced search.



The screenshot displays the OSTI.GOV search interface. At the top, the OSTI.GOV logo is prominently featured, along with the text "U.S. Department of Energy" and "Office of Scientific and Technical Information". A search bar at the top indicates "Search 3+ million Department of Energy research results". Below the search bar, the "Advanced Search Options" section is visible, which includes a link to the FAQ. The search fields are as follows:

- All Fields:** An empty text input field.
- Title:** An empty text input field.
- Author / Contributor:** A text input field containing the ORCID iD "0000-0002-8523-1478".
- Digital Object Identifier (DOI):** An empty text input field.
- Identifier Numbers:** An empty text input field.
- Publication Date:** Two text input fields for "MM/DD/YYYY" separated by a "to" label.

On the left side of the interface, there is a "Submit Research Results" button with a right-pointing arrow icon. On the right side, there is a "Data Services & Dev Tools" link with a database icon.

- When a user selects a record from the search results list, they are taken to the full record page. The full record page shows the record's authors and contributors with ORCID iD symbols next to their names when there are ORCID iDs associated with the researchers.

ESS-DIVE reporting format for leaf-level gas exchange data and metadata

[Full Record](#)
[Other Related Research](#)

DATASET:

[View Dataset](#)

<https://doi.org/10.15485/1659484>

SAVE / SHARE:

[Export Metadata](#) ▾

[Save to My Library](#)

[f](#)
[t](#)
[e](#)
[p](#)
[s](#)

Abstract




Here we present documentation of the ESS-DIVE reporting format for leaf-level gas exchange data and metadata. This reporting format provides guidance to data contributors on how to store data to maximize their discoverability, facilitate their efficient reuse, and add value to individual datasets. For data users, the reporting format will better allow data repositories to optimize data search and extraction, and more readily integrate similar data into harmonized synthesis products. The reporting format specifies data table variable naming and unit conventions, as well as metadata characterizing experimental conditions and protocols. For common data types that were the focus of this initial version of the reporting format, i.e., survey measurements, dark respiration, carbon dioxide and light response curves, and parameters derived from those measurements, we took a further step of defining required additional data that would maximize the potential reuse of those data types. To aid data contributors and the development of data ingest tools by data repositories we provided a translation table comparing the outputs of common gas exchange instruments. The reporting format presented here is intended to form a foundation for future development that will incorporate additional data types and variables as gas exchange systems and measurement approaches advance [more »](#)

Authors: [Ely, Kim](#) ^[1]; [Rogers, Alistair](#) ^[1]; [Crystal-Ornelas, Robert](#) ^[2]















[+ Show Author Affiliations](#)

Contributors: **Related Person:** [Agarwal, Deborah](#) ^[1]; [Elizabeth, Ainsworth](#) ^[2]; [Albert, Loren](#) ^[3]; [Ali, Ashehad](#) ^[4]; [Anderson, Jeremiah](#) ^[5]; [Aspinwall, Michael](#) ^[6]; [Bellasio, Chandra](#) ^[7]; [Bernacchi, Carl](#) ^[2]; [Bonnage, Steve](#) ^[8]; [Buckley, Thomas](#) ^[9]; [Bunce, James](#) ^[10]; [Burnett, Angela](#) ^[5]; [Busch, Florian](#) ^[11]; [Cavanagh, Amanda](#)

- Users can hover over the ORCID iD symbol next to an author or contributor's name to view the ORCID iD or click on the ORCID iD symbol to be sent to their ORCID record.

Authors: [Ely, Kim](#) ^[1]; [Rogers, Alistair](#) ^[1]; [Crystal-Ornelas, Robert](#) ^[2]




[+ Show Author Affiliations](#)

Contributors: **Related Person:** [Agarwal, Deborah](#) ^[1]; [Elizabeth, Ainsworth](#) ^[2]; [Albert, Loren](#) ^[3]; [Ali, A](#) ^[4]; [Aspinwall, Michael](#) ^[5]; [Bellasio, Chandra](#) ^[6]; [Bernacchi, Carl](#) ^[2]; [Bonnage, Steve](#) ^[8]; [Buckley, Thomas](#) ^[9]; [Bunce, James](#) ^[10]; [Burnett, Angela](#) ^[5]; [Busch, Florian](#) ^[11]; [Cavanagh, Amanda](#) ^[12]; [Cernusak, Lucas](#) ^[13];

<https://orcid.org/0000-0001-5045-2396>

































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