


# What Do I Need to Know About Earthdata Login?


## What is Earthdata Login?

Earthdata Login is a user registration and user profile management system for users getting Earth science data from any of the [Distributed Active Archive Centers \(DAACs\)](#) that comprise NASA's Earth Observing System Data and Information System (EOSDIS). For NASA, Earthdata Login provides a much greater understanding of end users and their needs. For users, Earthdata Login provides improved user experience including single sign-on, the ability to receive news/notifications on data and services, and (in the future) greater support for customizable interfaces, context awareness, saved preferences, and more.

## How do I register myself with Earthdata Login?

Registration is quick and easy. Simply, go to <http://urs.earthdata.nasa.gov>.


 **EARTHDATA LOGIN**


**Username** 


**Password**

LOG IN

REGISTER

 I don't remember my username

 I don't remember my password

 Help



The Earthdata Login provides a single mechanism for user registration and profile management for all EOSDIS system components (DAACs, Tools, Services). Your Earthdata login also helps the EOSDIS program better understand the usage of EOSDIS services to improve user experience through customization of tools and improvement of services. EOSDIS data are openly available to all and free of charge except where governed by international agreements.

Get single sign-on access to all your favorite EOSDIS sites

REGISTER FOR A PROFILE

Then just click on the **REGISTER** button to get started. You will then be prompted to create a user profile by supplying a username, password, and an email address. You will also be requested for some additional information about you and the kind of data user you are. This information helps NASA understand EOSDIS data users and make improvements. You can make changes to your user profile at anytime afterward.

## Register for an Earthdata Login Profile

### Profile Information

Username:

Password:

Password Confirmation:

#### \* Required field

#### Username must:

- Be a Minimum of 4 characters
- Be a Maximum of 30 characters
- Use letters, numbers, periods and underscores
- Not contain any blank spaces
- Not begin, end or contain two consecutive special characters( \_ )

#### Password must contain:

- Minimum of 8 characters
- One uppercase letter
- One lowercase letter
- One Number

### User Information

First Name:

Last Name:

Middle Initial:

E-mail:

### Country Information

Country:

### Affiliations

#### Affiliation: \*

#### User Type:

#### If 'other' selected above:

#### Organization:

#### Study Area:

### Agreements

☐ Please notify me via email with important information about EOSDIS science data products (e.g. updates, new data releases, quality issues), EOSDIS applications/tools (e.g. updates, service outages), and other relevant information for users. ☐ Yes, I'm interested in Meris and OSA Sentinel-3 Data.

I acknowledge that all Earthdata Login applications running in DAACs will have access to my profile information, information in user profiles complies with NASA's Web Privacy Policy

#### By accessing and using this information system, you acknowledge and consent to the following:

You are accessing a U.S. Government information system, which includes: (1) this computer; (2) this computer network; (3) all computers connected to this network including end user systems; (4) all devices and storage media attached to this network or to any computer on this network; and (5) cloud and remote information services. This information system is provided for U.S. Government authorized use only. You have no reasonable expectation of privacy regarding any communication transmitted through or data stored on this information system. At any time, and for any lawful purpose, the U.S. Government may monitor, intercept, search, and seize any communication or data transiting, stored on, or traveling to or from this information system. You are NOT authorized to process classified information on this information system. Unauthorized or improper use of this system may result in suspension or loss of access privileges, disciplinary action, and civil and/or criminal penalties.

REGISTER FOR EARTHDATA LOGIN

Once you complete the form, click on REGISTER FOR EARTHDATA LOGIN. That's it. Your registration is ready to use to download data. A welcome email will be sent to you with information on how to get started.

## How to Use Your New Earthdata Login

You will need to use Earthdata Login anytime you want to download Earth science data from any of the [DAACs](#). Access to DAAC and other EOSDIS web information (e.g. about data, missions, instruments) does not require Earthdata Login.

For example, to start searching for data across all DAACs, use [Earthdata Search](#) and click the "Earthdata Login" button at the top right:

Earthdata Search

NASA (National Aeronautics and Space Administration) [US] | <https://search.earthdata.nasa.gov/search?m=-0.0703125I0.140625I2110I0%2C2>

EARTHDATA Find a DAAC

Type any topic, collection, or place name

Show Tour Earthdata Login

5081 Matching Collections

☒ Only include collections with granules ☒ Include non-EOSDIS collections

Tip: Add [+](#) collections to your project to compare and download their data. [Learn More](#) [Report a metadata problem](#)

**Global Maps of Atmospheric Nitrogen Deposition, 1860, 1993, and 2050**

27 Granules • 1860-01-01 to 2050-12-31 • This data set provides global gridded estimates of atmospheric deposition of total inorganic nitrogen (N), NH<sub>x</sub> (NH<sub>3</sub> and NH<sub>4</sub>+), and NO<sub>y</sub> (all oxidized forms of nitrogen other than N<sub>2</sub>O), in mg N/m<sup>2</sup>/year, for the years 1860 and 1993 and projections for the year 2050. The data set was...

1860-1993-2050-NITROGEN-J30-V1 - ORNL DAAC

**NRT AMSR2 DAILY L3 GLOBAL SNOW WATER EQUIVALENT EASE-GRIDS V0**

27 Granules • 2017-05-22 ongoing • The Advanced Microwave Scanning Radiometer 2 (AMSR2) instrument on the Global Change Observation Mission - Water 1 (GCOM-W1) provides global passive microwave measurements of terrestrial, oceanic, and atmospheric parameters for the investigation of global water and energy cycles...

MAP IMAGERY NRT Az\_DySno\_NRT\_V0 - NASA/MSFC/GHRC

v 1.52.3 • Search Time: 0.9s • NASA Official: Stephen Berrick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative

You'll be redirected to the Earthdata Login login page:

Earthdata Login

NASA (National Aeronautics and Space Administration) [US] | [https://urs.earthdata.nasa.gov/oauth/authorize?client\\_id=ZiZv3PCdydIPQLBdbvAdkA&redirect\\_uri=https://search.earthda...](https://urs.earthdata.nasa.gov/oauth/authorize?client_id=ZiZv3PCdydIPQLBdbvAdkA&redirect_uri=https://search.earthda...)

EARTHDATA Find a DAAC

Feedback

**EARTHDATA LOGIN**

**Username**

**Password**

☒ Stay signed in (this is a private workstation)

[LOG IN](#) [REGISTER](#)

[I don't remember my username](#)

[I don't remember my password](#)

[Help](#)

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Get single sign-on access to all your favorite EOSDIS sites

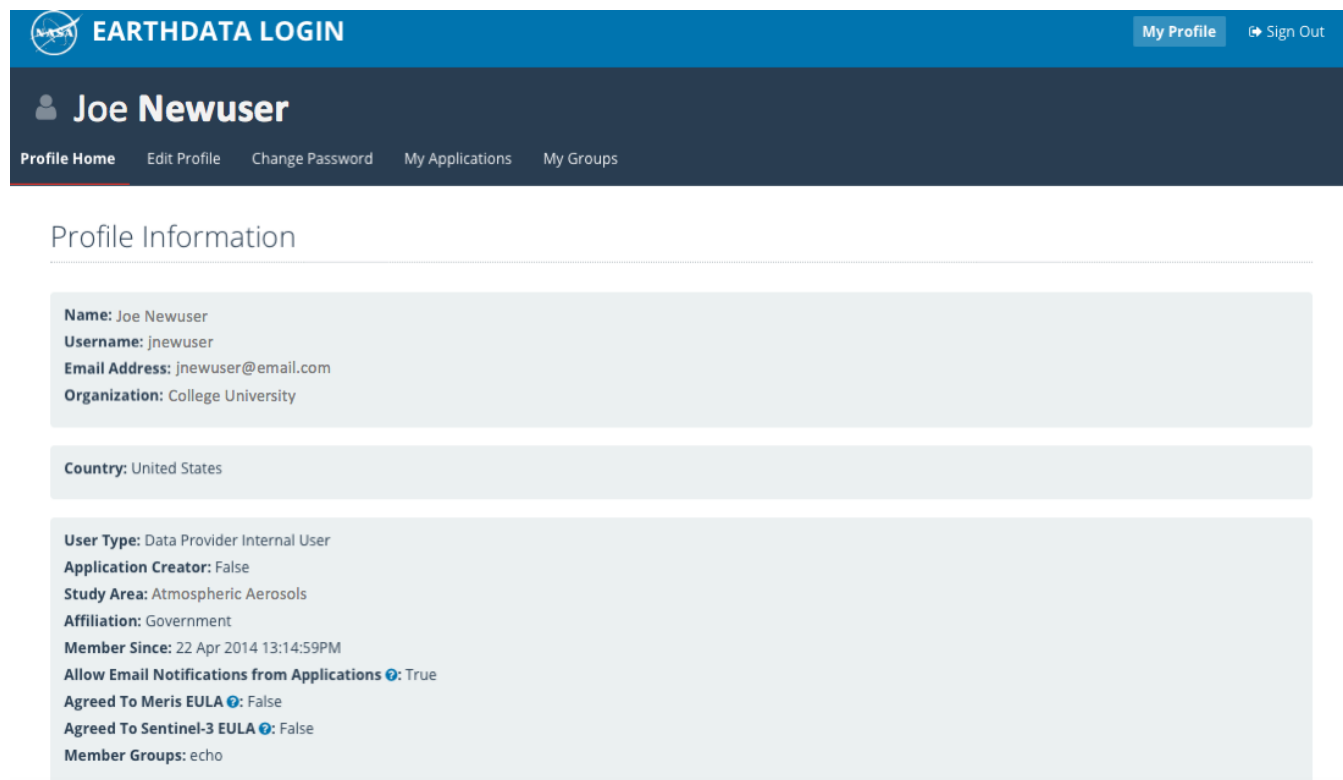
[REGISTER FOR A PROFILE](#)

For questions regarding the EOSDIS Earthdata Login, please contact [Earthdata Support](#)

After logging in, you'll then be redirected back to the Earthdata Search application to begin finding and downloading data. Many other tools at the DAACs provide similar user experiences for logging into Earthdata Login as just described.

## Updating Your Earthdata Login User Profile

You can update your user profile at anytime by going to <https://urs.earthdata.nasa.gov>. Once you log in, you will see your Earthdata Login home page. From this page, you click on **Edit Profile** in the top menu bar to make changes to your user profile. Click on **Change Password** to change your Earthdata Login password. You can also view all the applications you have access to (so far) through Earthdata Login by clicking on **My Applications**.



The screenshot shows the Earthdata Login interface. At the top is a blue header with the NASA logo and 'EARTHDATA LOGIN' text. On the right of the header are links for 'My Profile' and 'Sign Out'. Below the header is a dark blue navigation bar with a user icon and the name 'Joe Newuser'. Underneath this are links for 'Profile Home', 'Edit Profile', 'Change Password', 'My Applications', and 'My Groups'. The main content area is titled 'Profile Information' and contains several sections of user data: Name: Joe Newuser, Username: jnewuser, Email Address: jnewuser@email.com, Organization: College University, Country: United States, User Type: Data Provider Internal User, Application Creator: False, Study Area: Atmospheric Aerosols, Affiliation: Government, Member Since: 22 Apr 2014 13:14:59PM, Allow Email Notifications from Applications: True, Agreed To Meris EULA: False, Agreed To Sentinel-3 EULA: False, and Member Groups: echo.

**EARTHDATA LOGIN** My Profile Sign Out

**Joe Newuser**

Profile Home Edit Profile Change Password My Applications My Groups

### Profile Information

**Name:** Joe Newuser  
**Username:** jnewuser  
**Email Address:** jnewuser@email.com  
**Organization:** College University

**Country:** United States

**User Type:** Data Provider Internal User  
**Application Creator:** False  
**Study Area:** Atmospheric Aerosols  
**Affiliation:** Government  
**Member Since:** 22 Apr 2014 13:14:59PM  
**Allow Email Notifications from Applications:** True  
**Agreed To Meris EULA:** False  
**Agreed To Sentinel-3 EULA:** False  
**Member Groups:** echo

## Terms of Service

### How We Use Your Profile Information

By using Earthdata Login, users acknowledge that all Earthdata Login applications running in any of the [DAACs](#) will have access to your profile information. This includes your username and email address, and other information you provide, **but never your password**. This information is used solely to help NASA better understand EOSDIS users and their research or other objectives for using EOSDIS data or related services. This information is never shared with any other organization. Information in user profiles complies with [NASA's Web Privacy Policy](#).

### Option to Not Be Contacted

To help our users, NASA and DAAC personnel will email users with important information about EOSDIS science data products (e.g. updates, new data releases, quality issues), EOSDIS applications/tools (e.g. updates, service outages), or other relevant information for users. In addition, NASA conducts annual and ad hoc surveys of EOSDIS users. The information gleaned from these surveys helps NASA better understand user needs and improve services. As a user, you have the right to opt out of being contacted for these purposes. Your opt out status can be changed by editing your Earthdata Login user profile. Note that the opt-out option is presumed waived in cases where a user initiates contact (e.g. by sending an email, joining email lists, or by placing a data order to be fulfilled).

### Deleting Your Earthdata Login Profile

Users may have their Earthdata Login profiles deleted at anytime by sending a request to [support@earthdata.nasa.gov](mailto:support@earthdata.nasa.gov).

## Getting Help

To report problems, or to provide feedback or ask questions, send an email to [support@earthdata.nasa.gov](mailto:support@earthdata.nasa.gov).

## Additional Resources

There is a lot more information available [here](#), including an [FAQ](#) and information about how to access data via scripts and other tools.