Data are diverse—spanning time, space, and disciplines—and are being generated at unprecedented rates. These large volumes of data are required to answer the most pressing ecological challenges, yet such globally distributed data can be difficult for researchers, educators, and others to discover, access, and integrate.

DataONE addresses these challenges by providing a single search interface that allows discovery of content from an ever-growing collection of data repositories. You no longer need to search across multiple platforms at multiple sites. Using DataONE simplifies the process by saving time and effort, helping you achieve greater efficiency and productivity.

SIMPLIFYING DATA DISCOVERY

SEARCH
Find data held in global repositories through our simple and effective search

EDUCATION RESOURCES
Access training and guidance when developing your data management plan

USAGE METRICS
View your user profile of shared data and usage metrics

TOOLKIT
Use the Investigator Toolkit to connect data found through DataONE directly to your analysis software

DISCOVERABLE THROUGH DATAONE

Increasing quantities of data and metadata are available for search and access using the DataONE search tool

Source: DataONE.ORG/CURRENT-MEMBER-NODES

www.DataONE.org

Discover and access data
Visit DataONE.org to search for data across repositories around the world and access educational resources and materials on data management.
Researchers want easily accessible data and are also willing to share their own, but few share all their data because technical and other barriers still exist.

*In an international survey of the data practices of 1300 scientists:* 67% believe lack of data access is a major impediment to science progress, 83% of researchers would use other scientists' datasets if easily accessible, and 36% of the researcher's report that their own data is easily accessible.

**DATA MANAGEMENT EDUCATION RESOURCES**

DataONE has high quality resources for training in data management to improve researcher's methods for data sharing and management.

- **In-person Training**
- **Best Practices Database**
- **Video Tutorials**
- **Education Modules**
- **Webinars**
- **User Stories**

Using DataONE’s education tools, researchers will be better able to:

- Access and analyze data for critical science needs
- Create metadata that meets repositories' standards
- Convert and prepare datasets for long-term storage
- Develop data management plans to increase funding opportunities

**WE HAVE THE DATA YOU ARE LOOKING FOR**

**SEARCH**

**FIND**

Data searched for at DataONE

Data accessible at DataONE

**VISIT DATAONE AND DISCOVER THE DATA YOU NEED FOR YOUR NEXT RESEARCH PROJECT**

**Our Network of Data Providers**

- Arctic Data Center
- Biological and Chemical Oceanography Data Management Office
- BCO-DMO
- Cornell Lab of Ornithology eBird
- Dryad Digital Repository
- Earth Data Analysis Center
- Environmental Data for the Oak Ridge Area
- Environmental Data Initiative
- Ecological Society of America Data Registry
- Europe Long-Term Ecosystem Research Network
- Forest Ecosystem Monitoring Cooperative
- Gulf of Alaska Data Portal
- Gulf of Mexico Research Initiative Information & Data Cooperative
- Idaho Northwest Knowledge Network
- International Arctic Research Center Data Archive
- Knowledge Network for Biocomplexity
- Long-Term Ecosystem Research Network
- University of California Curation Center Merit Repository
- Minnesota Population Center
- Montana Institute on Ecosystems Data Gateway
- National Ecological Observatory Network
- Nevada Research Data Center
- New Mexico EPScOR+ Program to Stimulate Competitive Research
- NOAA NCEI Oceanographic Data Archive
- ONEShare Repository
- Oak Ridge National Laboratory Distributed Active Archive Center
- Organization for Tropical Studies
- PANGAEA Data Publisher for Earth and Environmental Sciences
- Partnership for Interdisciplinary Studies of Coastal Oceans
- Programa de Pesquisa em Biodiversidade
- Research Workspace
- Rolling Deck to Repository
- South African National Parks Data Repository
- SEAD Virtual Archive
- Taiwan Forestry Research Institute
- Terrestrial Ecosystem Research Network
- the Digital Archaeological Record
- University of Illinois, Chicago University Library
- University of Kansas Biodiversity Institute
- United States Geological Service Data Catalog

**Contributing Data Repositories:**

- GLEON: Global Lake Ecological Observatory Network
- GLERL: National Phenology Network

**DataONE Support**

- NSF
- Gordon and Betty Moore Foundation
- NASA
- Microsoft Research
- USGS

**July 2018**