

# NOAA Approved Data Repositories

NOAA Data Governance Committee Guidance | Version 1.0 | June 23, 2025

NOAA-funded unrestricted<sup>1</sup> data, that is public access-ready<sup>2</sup>, may be submitted by the data owner to the NOAA Centers for Environmental Information<sup>3</sup> ([NCEI](#)) or other NOAA-approved data repositories (ADR) to meet NOAA public access requirements<sup>2</sup>. The following are NOAA Data Governance Committee approved data repositories for the deposit of NOAA-funded data for public access. Please note the following additional requirements:

## When Approved Data Repositories are Appropriate

- ☒ **Unrestricted data**
- ☒ **Public access-ready**
- ☒ **Data DOI required**

- Submission to an ADR must be documented in an approved data management and sharing plan<sup>4</sup>.
- If your dataset is associated with a publication, you must also submit that publication to the [NOAA Institutional Repository](#).
- NOAA dataset metadata must be included in the [NOAA Data Catalog](#). This requirement is met for data submitted to NCEI. If data are deposited in an approved repository that is not NCEI, contact your LO [ACDO](#) to ensure metadata and preservation requirements are met.
- Data must be compliant with relevant [NOAA records management](#) requirements. Contact your LO [ACDO](#) to find out how.

**US Federal ADRs:** NOAA data co-funded by another US Federal agency may be submitted to their federal data repository.

- [DOE Data Infrastructure for a Virtual Ecosystem \(ESS-DIVE\)](#)
- [EPA Water Quality Data \(WQX\)](#)
- [NASA Open Science Data Repository \(OSDR\)](#)
- [NIH National Center for Biotechnology Information \(NCBI\)](#), including [GenBank](#)
- [NIST Public Data Repository \(PDR\)](#)
- [USDA Ag Data Commons](#)
- [USGS ScienceBase](#)

**Generalist Data Repositories:** The NOAA Data Governance Committee approved the following list of generalist<sup>5</sup> data repositories based on an evaluation against major points in Desirable Characteristics of Data Repositories for Federally Funded Research<sup>6</sup>. For additional options, consider guidance from other Federal agencies: [DOT](#), [NIH](#), [USGS](#). Researchers or institutions that would like to suggest a repository be reviewed for addition to this list, or would like to deposit data in domain specific repositories, contact your LO [ACDO](#).

<sup>1</sup> Unrestricted scientific data are any scientific data that are not restricted according to NAO 205-18, restricted scientific data includes any data restricted from public access due to law, regulation, policy, privacy, confidentiality pledge, security, trade secret, contractual, or other valid restrictions (such as being under development).

<sup>2</sup> See NOAA Data Management Handbook [here](#) pages 28 and 34.

<sup>3</sup> NCEI [S2N](#) (request a reserve DOI for urgent cases)

<sup>4</sup> See NOAA Data Management Handbook [here](#) pages 16 and 46.

<sup>5</sup> Generalist data repositories accept data regardless of data type, format, content, or disciplinary focus.

Repositories limited to specific communities of practice may be considered - contact your [ACDO](#).

<sup>6</sup> [Desirable Characteristics of Data Repositories for Federally Funded Research](#), Guidance by the Subcommittee for Open Science of the National Science and Technology Council.

<b>Generalist Data Repositories</b> Data repositories that accept data from individual scientists regardless of data type, format, content, or disciplinary focus.	<b>Cost</b>	<b>Size Limit</b>	<b>Retention Period</b>
<a href="#">Zenodo</a>   <a href="#">Terms</a>   <a href="#">DCDR</a>   <a href="#">doi</a> Open to all research outputs from all fields of science regardless of funding source.	none	50 GB	lifetime; 20+ years
<a href="#">KNB</a>   <a href="#">Terms</a>   <a href="#">USGS</a>   <a href="#">doi</a> A repository for all environmental or ecological related data.	none	50 GB	lifetime
<a href="#">Mendeley</a>   <a href="#">Terms</a>   <a href="#">GREI</a>   <a href="#">doi</a> A free and secure cloud-based communal repository.	none	10 GB	permanent
<a href="#">BCO-DMO</a>   <a href="#">Terms</a>   <a href="#">CoreTrustSeal</a>   <a href="#">doi</a> A repository for biological and chemical oceanography data resulting from research conducted in coastal, marine, great lakes, and laboratory environments.	none	Individual files not to exceed 10 GB	See <a href="#">WHOI</a> & <a href="#">NCEI</a>
<a href="#">OBIS</a>   <a href="#">Terms</a>   <a href="#">USGS</a>   <a href="#">doi</a> <a href="#">OBIS-USA Node</a> is the marine data thematic node of <a href="#">GBIF-US</a> (POC Mathew Biddle < <a href="mailto:mathew.biddle@noaa.gov">mathew.biddle@noaa.gov</a> >)	none	10 GB	See <a href="#">NCEI</a>
<a href="#">Movebank</a>   <a href="#">Terms</a>   <a href="#">USGS</a>   <a href="#">doi</a> The repository publishes animal tracking and animal-borne sensor datasets, harmonized using a shared, publicly documented data model and vocabulary.	none	2 GB	10+ years
<b>Generalist Repositories for NOAA Grantees</b> Federal employees are not able to agree to the specific terms and conditions of these repositories, however, NOAA grantees may wish to consult their institution's council for additional guidance.	<b>Cost</b>	<b>Size Limit</b>	<b>Retention Period</b>
<a href="#">OSF</a>   <a href="#">Terms</a>   <a href="#">DCDR</a>   <a href="#">doi</a> A free, open platform to support research and collaboration.	none	50 GB	50+ years
<a href="#">Pangaea</a>   <a href="#">Terms</a>   <a href="#">CoreTrustSeal</a>   <a href="#">doi</a> An Open Access library aimed for georeferenced data from earth and environmental science.	Contribution optional	15 GB	10+ years
<a href="#">Figshare</a>   <a href="#">Terms</a>   <a href="#">DCDR</a>   <a href="#">doi</a> A provider of open research repository infrastructure. <a href="#">Figshare Plus</a>	none  One-time cost for Figshare Plus	Individual files not to exceed 20 GB Up to 5 TB	lifetime
<a href="#">Dryad</a>   <a href="#">Terms</a>   <a href="#">DCDR</a>   <a href="#">doi</a> An open data publishing platform for all research data.	\$150 per submission \$50 for each additional 10GB	Individual files not to exceed 10 GB Limit of 300 GB per publication	permanent