



# Archiving ABoVE: Insights into ORNL DAAC's Data Management Efforts for the Arctic-Boreal Vulnerability Experiment

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## Abstract

The mission of the ORNL DAAC is to assemble and maintain a comprehensive archive of observations and models relevant to research in the fields of terrestrial biogeochemistry and ecological dynamics, and to facilitate research, education, and informed decision making in support of NASA's Earth Science research objectives.

## Background

The ORNL DAAC for Biogeochemical Dynamics is a NASA Earth Observing System Data and Information System (EOSDIS) data center managed by the Earth Science Data and Information System (ESDIS) Project and operated by the ORNL.

## Archive for ABoVE

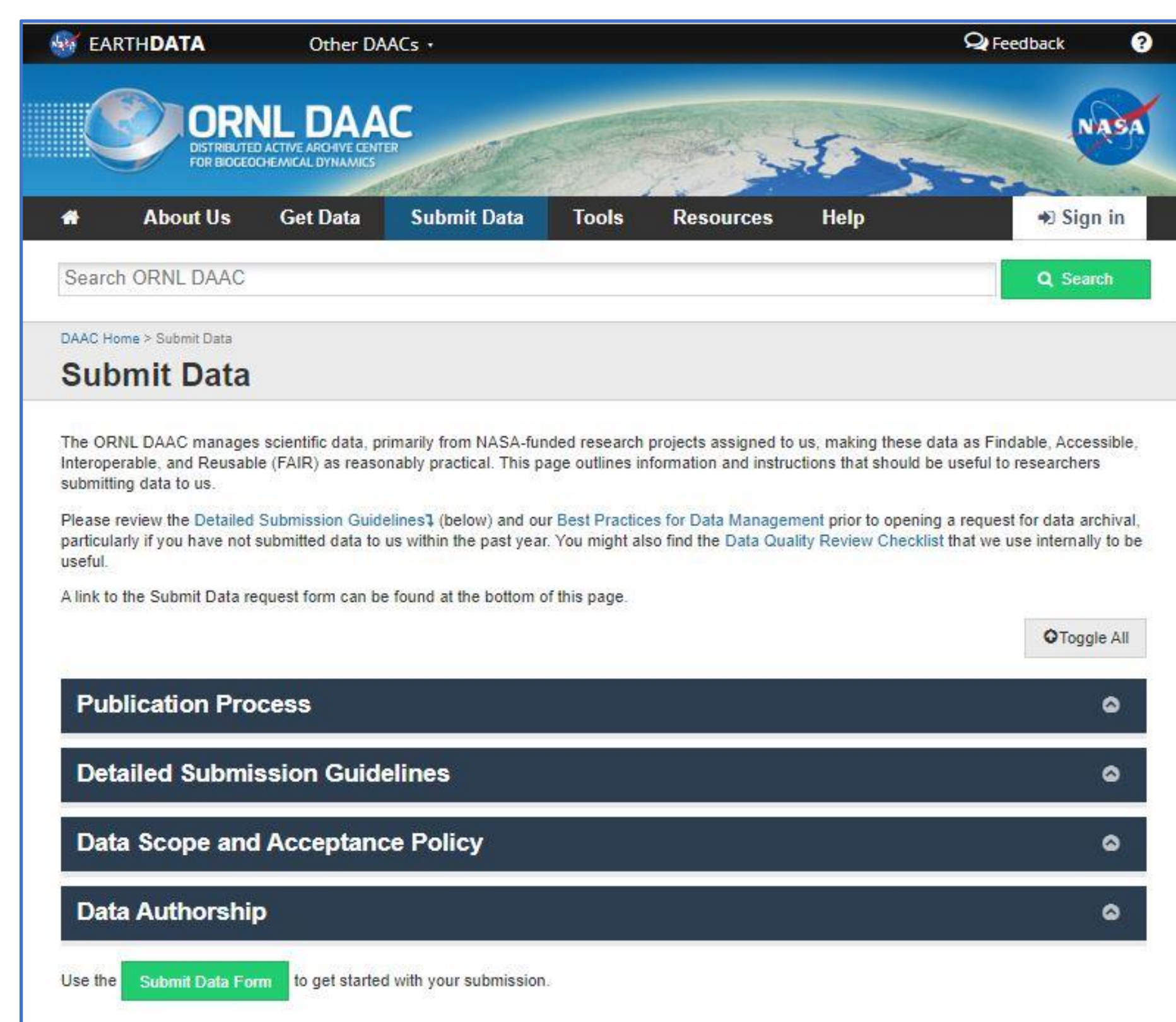
The ORNL DAAC continues to support ABoVE as the campaign archive and as a resource for data publication.

The ORNL DAAC manages scientific data, from NASA-funded ABoVE research projects, making these data as Findable, Accessible, Interoperable, and Reusable (FAIR) as reasonably practical..

## 190 Published ABoVE Datasets

- 27 Airborne Science
- 18 Carbon Dynamics
- 18 Fire Disturbance
- 42 Hydrology & Permafrost
- 3 Project Standards
- 74 Vegetation
- 8 Wildlife

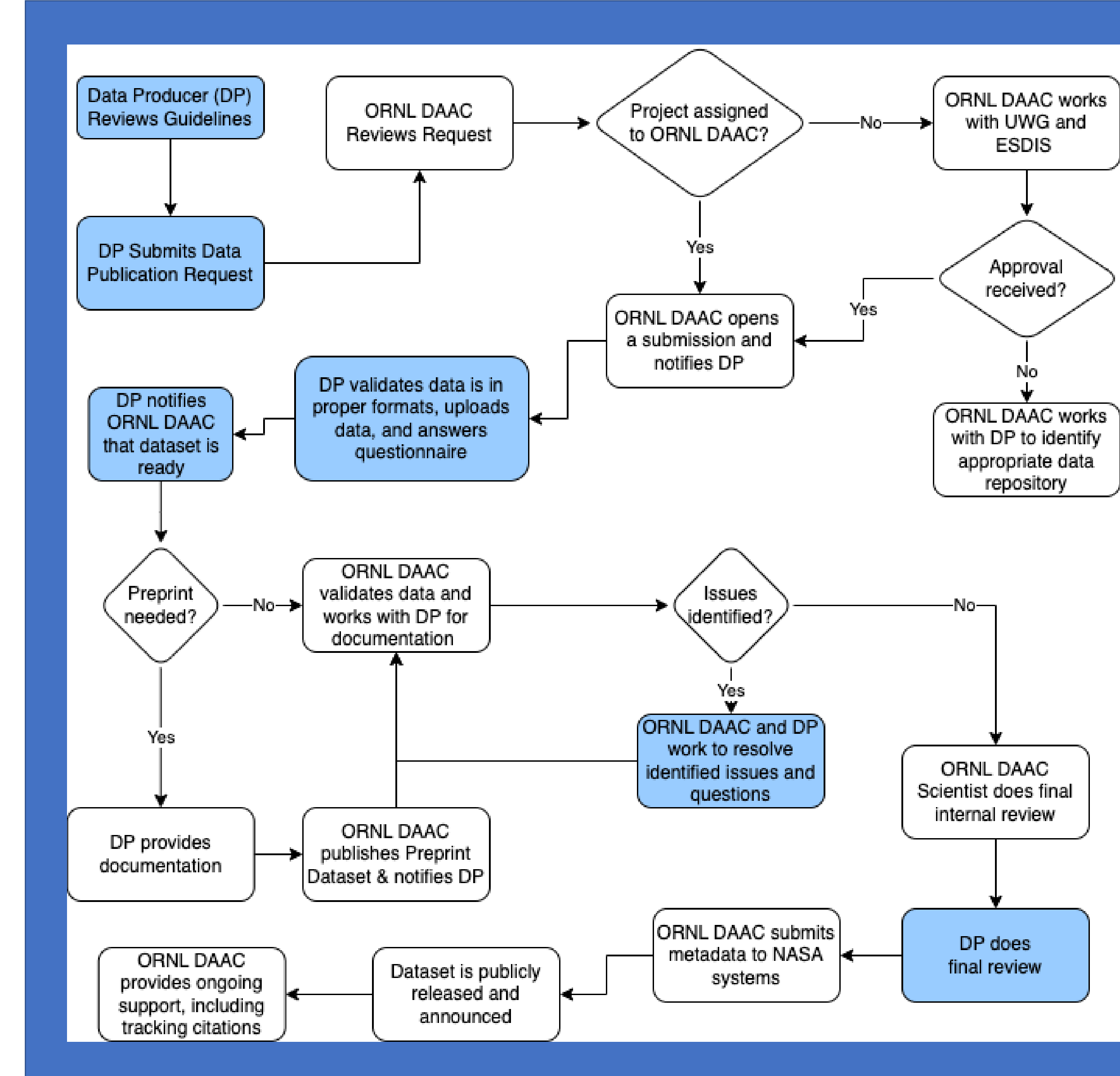
## Data Publication Resources



## Submit Data <https://daac.ornl.gov/submit>



## Publication Process



\*Blue Boxes indicate Data Producer (DP) steps.

## Publication Metrics

- Published ABoVE data archived at ORNL DAAC have been accessed 90,740 times by a total of 16,322 unique users (identified by IP address) since January 2015.
- 170 publications have cited ABoVE (150 dataset-level and 20 project-level)
- Current: 190 active datasets totaling 27.9 TB
- 73 preprints processed from the ABoVE project since 2015
- 124 unique first authors, 592 total unique authors
- 30+ file formats
- Range of dataset size: 7KB through 17TB
- Range of number of granules in a dataset: 1 through 164 K