

National Geological and Geophysical Data Preservation Program

2016 Application Process

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Topics

- **Purpose of Program**
- **Background**
- **Application process**
- **National Digital Catalog**
- **Collection and Sample Metadata**
- **Resources**
- **Contacts**

Purpose of NGGDPP

- Established by Section 351 Energy Policy Act of 2005 directs USGS to:
 - administer a Program to preserve geological and geophysical samples and data;
 - provide technical and financial assistance to states and relevant DOI Bureaus to archive and curate geoscience data;
 - establish National Catalog to help public find, acquire, and use preserved geoscience data.

NGGDPP Background

- 2007, NNGDPP began awarding funds to states
- NNGDPP has distributed over \$5.3M to states
- 44 states have participated in the Program
- Over 2.8 M metadata records are archived in National Digital Catalog
- Annually, NNGDPP distributes approximately \$700k - \$850k to states and USGS (depending on appropriated funding)

Application Timeline

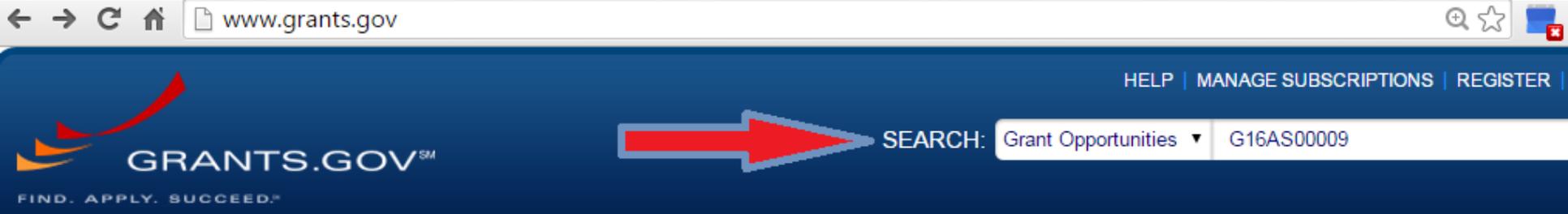
- February 8, 2016 – proposals are due
- May 2016 – applicants are notified of funding decisions
- June – September 2016 – awards are made for a 12-month period
- Summer - Fall 2017 – states complete proposed work and submit deliverables

Eligibility to Participate

- State geological surveys
- University - if the state geological survey is organized under a state university system

* Prescribed by Energy Policy Act of 2005

How to Apply



- Visit grants.gov
- Search for Announcement Number: G16AS00009 (or, “data preservation”)
- Download application and forms
- Register in grants.gov – start early (new registration can take weeks)
- Complete instructions are provided in Program Announcement

2016 Program Announcement Changes

- Application structure has changed significantly
- Program priorities are no longer segregated into separate objectives
- States may request Program support for the enhancement/development of data archiving systems, databases, and web applications to promote understanding, interpretation, and use of geoscience material
- States do not have to minimize proposed funding requests

2016 Program Priorities

- Preserve geoscience materials
- Describe the preserved materials and data in conformance with NNGDPP metadata schema
- Submit the metadata records to the National Digital Catalog
 - metadata describing geological and geophysical data collections
 - metadata describing individual items in those collections

Proposed Activities

- States may describe stand-alone projects or individual preservation activity to be completed within one year.
- Proposed project may include all aspects of preservation of geoscience materials and data, including collection inventory, sample metadata cataloging and improvement, sample preservation and storage, and digitization.
- An individual preservation activity may include collection inventory, sample rescue, digitization, and database development.

Examples of Preservation Activities

- Convert paper records or analog data to digital formats.
- Update digital data to new formats, using newer technology.
- Obtain materials to house, protect, and organize unique samples and artifacts.
- Rescue time-dependent, unique artifacts of significant value in imminent danger of loss.
- Enhance or develop data archiving systems, databases, and web applications to enhance understanding, interpretation, and use of geoscience materials.

Proposal Review Panel

- Ten panel members represent the professional areas of science, data management and preservation
 - Five State geological survey representatives
 - Five federal agency representatives (at least one representative outside of USGS)

Proposal Evaluation Criteria

- Technical merit of proposed work and probability of successful outcome
 - Relevance of data preservation activities to NGGDPP goals and state's long-range data preservation plans
 - Competence of investigator and team based on past performance
 - Appropriateness and reasonableness of budget
- * The 4 criteria are equally weighted

Key Reminders

- Federal share of cost of proposed activities is no more than 50 percent of total cost (federal portion requested **may not** exceed state portion)
- Provide rationale for selected project
- Justify equipment costs
- Do not include excessive supervisory hours without appropriate justification
- Clarify - assumptions cannot be made about what is or is not included in your submitted proposal
- Access and establish credentials in grants.gov well in advance (process may require several weeks)

Products and Deliverables

- Upon project completion, deliverables shall include:
 - Collection level metadata submitted to (or updated in) National Digital Catalog
 - Sample level metadata submitted to National Digital Catalog conforming to NCGDPP metadata schema
 - Final Technical Report

National Digital Catalog

- National Digital Catalog is a Web portal conglomerating metadata records describing geoscience materials and data submitted by state geological surveys to NGGDPP.
- National Digital Catalog contains sufficient metadata to allow identification and location of data and collections maintained by Federal or State agencies.
- Vision of a one-stop Web portal for locating geoscience data and collections is the primary driver for a National Digital Catalog.

Collection and Sample Metadata

- Each collection is generally described using an online form available via NDC Dashboard
- Samples within collections are described using NGGDPP metadata schema, which provides a standard set of metadata elements

Required Sample Metadata Elements

- Collection identifier
- Title
- Abstract
- Data type (keyword, controlled vocabulary)
- Supplemental information (access directions)
- Coordinates
- Dataset reference date (metadata generation)

Optional Sample Metadata Elements

- Alternate title (identifiers, API numbers)
- Alternate geometry (PLSS)
- Online resource (download URL)
- Browse graphic (scanned document URL)
- Date (historical)
- Vertical extent (unit, max depth, min depth)

Resource – datapreservation.usgs.gov

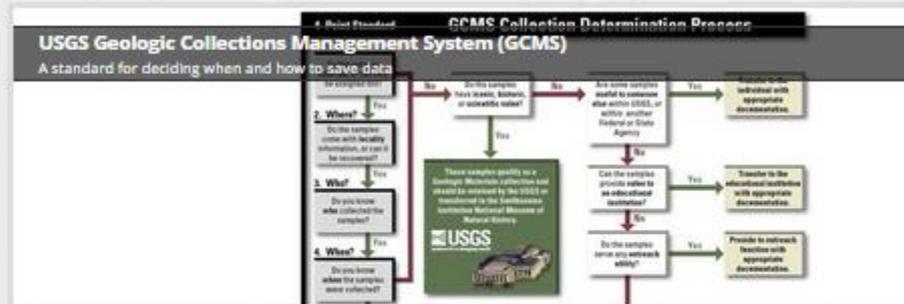


datapreservation.usgs.gov

National Geological and Geophysical Data Preservation Program

Home About Grants National Digital Catalog Success Stories

Preserving geoscience samples for today and future generations



National Digital Catalog serves as a metadata repository for geoscientific physical samples inventoried and archived by State Geological Surveys.

[Read More...](#)



Annually, the National Geological and Geophysical Data Preservation Program awards funding to State geological organizations. Next grant proposal process will open January 2016.

[Read More...](#)

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Learn how to create metadata for your geoscientific collections and samples to ensure artifacts are well described, making them easier to find, access, and use.

[Read More...](#)

News

NGGDPP Grant Opportunity Announced - proposals due February 8, 2016

The 2016 National Geological and Geophysical Data Preservation Program...

22 December 2015

Publication: U.S. Geological Survey Geologic Collections Management System (GCMS)

The U.S. Geological Survey Geologic Collections Management System (GCMS)...

7 September 2015

AAPG Conducts Course at USGS Core Research Center

American Association of Petroleum Geologists Rocky Mountain Section...

4 June 2015

NGGDPP Receives Bipartisan Support

Eos, Transactions American Geophysical Union, reports an overwhelming...

30 September 2014

[More News...](#)

Help Save My Collection!



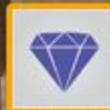
Do you represent a state agency or a Department of Interior Bureau that maintain geological and geophysical data and samples? Click here to learn more. . .



Geologic Collections Management System



Data Management Tools



Best Practices



Submit Data



Contact Us

U.S. Department of Interior | U.S. Geological Survey | USA.gov



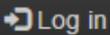
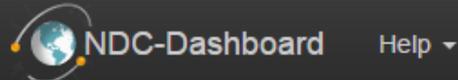
datapreservation.usgs.gov

- NGGDPP news, background, and other information
- NGGDPP metadata schema information
- Data submission to National Digital Catalog via NDC Dashboard
- National Digital Catalog access
- Best management practices for data preservation
- Collections management plan for USGS geologic samples and collections

National Digital Catalog Dashboard

sciencebase.gov/ndcDashboard

- View, edit, add collections
- Submit, update metadata describing samples



Welcome to the NDC Dashboard

The National Digital Catalog Dashboard enables state geological agencies that have successfully competed for federal funding administered by the National Geological and Geophysical Data Preservation Program (NGGDPP) to upload metadata describing geoscientific collections and samples.

Using the Dashboard, users may:

- Log in or request access
- Create a new collection or edit an existing collection
- Upload CSV or XML file to create or update metadata records describing physical samples in the National Digital Catalog
- Receive a notification e-mail of file processing completion

[Request access](#)



Contacts

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