

*Current Issues in the Appraisal and Selection  
of Geospatial Data*

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Framing a National Strategy for the Appraisal and Selection of Geospatial Data  
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## *Geospatial Data Preservation Resource Center*

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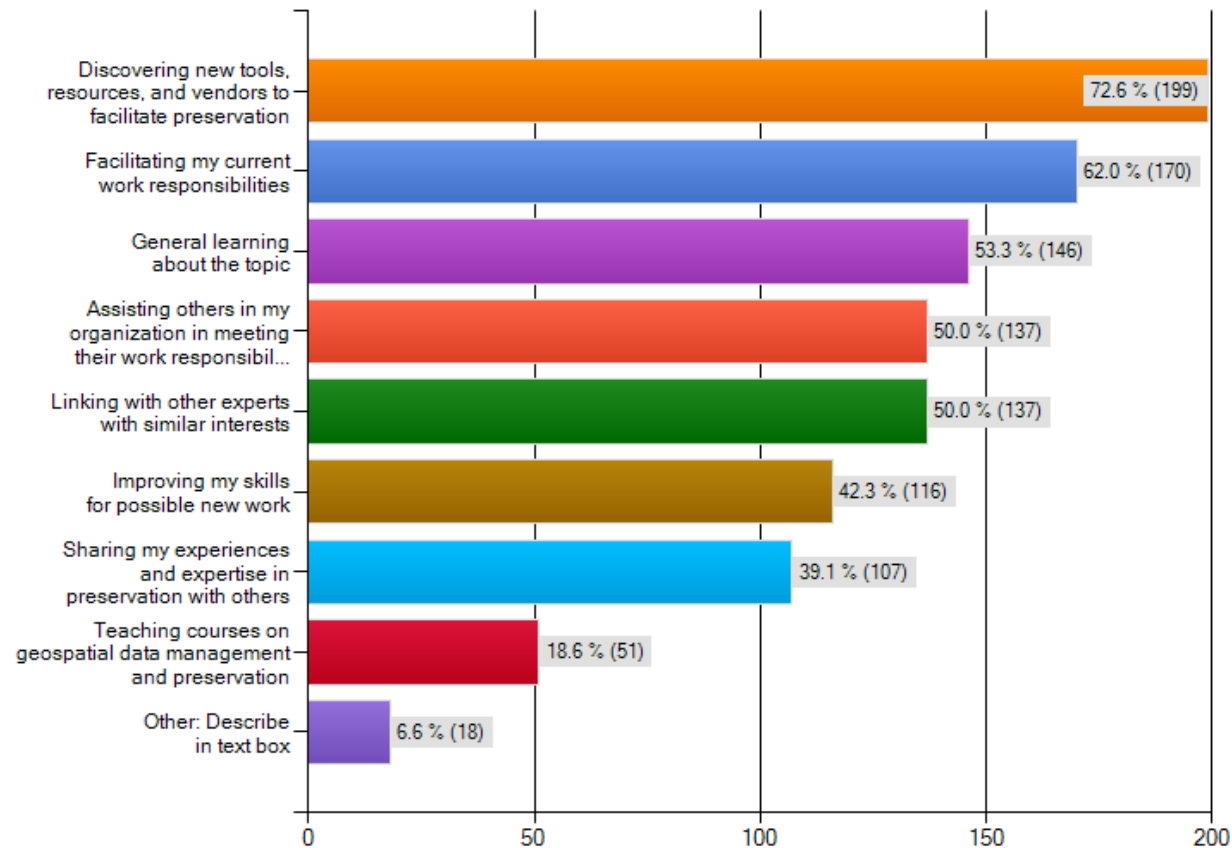
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- Conducting an NDIIPP project to develop an online resource center to serve as a clearinghouse for resources about the preservation of geospatial data
- Guided by an interdisciplinary advisory committee of geospatial data experts
- Taking a user-centered, iterative development approach
- Conducted a survey on expectations of 464 participations
- Designing site and identifying resources on geospatial data preservation, including appraisal and selection

# Use of Clearinghouse

I would use an online clearinghouse for geospatial data preservation for (choose all that apply):



Based on answers from 274 respondents

# Geospatial Data Preservation Resource Center Development



GDP HOME ABOUT THE PROJECT BROWSE BY RESOURCE TYPE ADVANCED SEARCH

## Geospatial Data Preservation

**Welcome to the Geospatial Data Preservation Resource Center!**

The Geospatial Data Preservation Resource Center (Phase I Release) is a new information resource and clearinghouse for communities interested in the preservation of geospatial data. The Resource Center aims to facilitate access to and usage of the range of information resources and tools now available to assist developers and managers of geospatial data and information in ensuring the long-term preservation of their valuable geospatial assets.

Search in title/description:

**Topics:**

- Access to experts
- Analysis
- Appraisal and selection of geospatial data for preservation
- Approaches
- Benefits
- Citation of geospatial data
- Commercial formats
- Community blog/wiki/ forum for discussions
- Comparisons of preservation strategies
- Computer aided design (2d & 3d models)
- Conversion tools for geospatial data
- Cost models for preservation
- Creation
- Curation
- Data acquisition

Select a topic, then click Go. Press the control key while clicking to select or deselect additional topics.

**Featured Resource**  
[Bridging Physical and Digital Preservation. Library of Congress \[Web\]. 2010.](#)

[Geospatial Data Preservation Resource Center Evaluation](#)

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# *SEDAC LTA Appraisal and Selection Process*



- Initial review and recommendation for nomination to LTA
  - Data previously approved by SEDAC User Working Group for transfer
- Scientific Evaluation of Resources for Nomination to the LTA
  - Lead Project Scientist evaluates data and proposes levels of service
- Preparation of Resources Selected for Nomination to the LTA Board
  - Prepare SIP and evidence to demonstrate data meet selection criteria
- Nomination of Digital Resources to the LTA Board
  - Lead Project Scientist presents data and evidence to LTA Board
- Appraisal by LTA Board using selection criteria
  - Data meeting all selection criteria are approved for accession
- LTA Board Assignment of levels of service for approved data
  - Levels of service are assigned for preservation and dissemination

# *Selection Criteria for SEDAC LTA Data Appraisal*

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## **Scientific or Historical Value**

- citation, research, and educational use as published in refereed scientific publications/reports from recognized committee of scientists

## **Potential Usability and Use**

- evidence of usability, usefulness, and sufficient usage by the community interested in human dimensions of the environment. Adequate evidence indicate potential for future use justifies costs of long-term archiving

## **Uniqueness of Data (non-redundant stewardship)**

- not being preserved in any form in another archive and is at risk of loss if not accessioned into the Long-Term Archive

## **Relevance to LTA Mission**

- currently endorsed or approved by community interested in human interactions in the environment. For the short-term, relevance includes content germane to SEDAC mission and SEDAC strategic plan

## **Documented for Accessibility**

- completeness and correctness of documentation to facilitate future discovery, access, and use

## **Technological Accessibility (feasibility)**

- received in format meeting technical criteria for the Service Level designated for the resource

## **Legality and Confidentiality**

- unrestricted permissions for preservation and future dissemination. No information that is confidential or prohibited from dissemination

## **Non-Replicability**

- data replication not feasible, excessively costly or prohibitive

## *LTA Levels of Service for Dissemination of SEDAC Data*

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- Restricted Dissemination:
  - The resource and its Dissemination Information Package (DIP) are not accessible by the public.
  - The discovery metadata for the resource is included in the LTA restricted access catalog.
  - Access to the restricted resource is granted in compliance with the restrictions specified for the resource.
  - Limited user support is provided for a restricted resource that is authored by SEDAC in compliance with the restrictions specified for the resource.
  - The use of restricted resources and services is evaluated and reported.
- Public Dissemination:
  - The Dissemination Information Package (DIP) for the resource is freely accessible by the public in digital form.
  - The discovery metadata for the resource is included in the LTA public access catalog.
  - Contact information for user support is provided on the LTA public access catalog.
  - Responses are provided for legitimate requests to correct publicly disseminated documentation or access capabilities.
  - Answers or referrals are provided for scientific and technical questions about publicly disseminated resources.
  - Changes are described for publicly disseminated resources or services.
  - The use of publicly disseminated resources and services is evaluated and reported.

## *LTA Levels of Service for Preservation of SEDAC Data*

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- Preserve Content in Original Formats:
  - Content is maintained in Original Formats on accessible system for the specified retention period.
- Preserve and Maintain Content in Supported Formats:
  - Content received in Supported Formats is maintained on accessible system and is migrated to current Supported Formats.
- Supported Formats:
  - ASCII Text (txt, xml, html)
  - Comma Separated Values (csv)
  - Image Files (png, jpg, tif, gif)
  - Portable Document Format (pdf)



# *Contrasting Challenges for Appraisal and Selection of Geospatial Data*

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- Appraisal for future users and uses
  - Looking beyond current scientific disciplines
    - Evolution of scientific fields and methods
  - Needs of diverse user communities
    - Beyond education, research, and decision-making: popular culture
  - Future services and applications
    - Evolution of technology for data preservation and dissemination
- Selection commits to ongoing future costs for services
  - Support for preservation environment
    - Managing technology will require professionals with specialized skills
  - Support for dissemination and use
    - Will documentation be sufficient without current expertise?
  - Continuing appraisal and selection
    - Will data have an advocate when facing competition among resources?