

A USGS Website to Support and Enable Better Science Data Management

<http://www.usgs.gov/datamanagement>

Good data management enables the discovery, sharing, and reuse of data, and reduces the redundancy of data.
Good data management saves money and time.

*I am a USGS Researcher
I read the Survey Manual
I have questions about my data
How do I...?*



“Data management planning is the first and one of the most critical steps in allocating resources, deploying consistent data to product work flows, and establishing long-term information stewardship of USGS Science assets.”
- David A. Ferderer, USGS Rocky Mountain Area; Energy and Minerals, and Environmental Health

“Several times, I've seen colleagues called to court in order to testify about conditions they have observed...they were able to produce field notes, data approval records, and the like, to back up their testimony. It's one thing to be questioned by a college student who is working on a project for school. It's another entirely to be grilled by an attorney under oath with the media present.”
- Nelson E. Williams, USGS Southeast Area; Water

A USGS scientist made three copies of their data (on three separate CDs), dutifully labeled each CD with metadata, and stored them in separate locations. The glue on the CD label eventually ate through each disk, destroying all data on each CD. The scientist was unable to recover their data. By using the Data Management website, scientists can learn better, more reliable "best practices" to ensure this doesn't happen to them.
- Coastal and Marine Geology Program

“The Landsat Image Mosaic of Antarctica (LIMA) is the first-ever true-colour high-resolution satellite view of the Antarctic continent...the United States Geological Survey (USGS) manages the satellites, archives the imagery, and makes the data available to all interested users.”
- International Polar Year
<http://www.ipy.org/projects/item/1064-lima-landsat-image-mosaic-of-antarctica>

:: Plan

- Data Management Plans
- Organize Files and Data
- Data Standards
- Data Formats
- Data Templates
- Data Stewardship

:: Describe

- Metadata
- Workflow Capture
- Data Citation
- Data Access Controls & Copyright
- Data Dictionaries and Thesauri

:: Preserve

- Backups
- Archiving
- Disposition
- Persistent DOIs
- Repositories



:: Share

- Data Catalogs & Portals
- SPN & Pubs Warehouse
- Sensitive Data
- Data Release/Embargo
- Data Collaboration Services
- Citing Your Data

