

WHY GEOSTRAT?

OPEN, COMMUNITY-BASED DATA SYSTEM:

Supports research and education.

PUBLICATION AND DATA ARCHIVING:

Permanent link to a cited data set.

RESEARCH FUNDING:

Improves fundability of next individual proposal.

RESEARCH INITIATIVES:

Community groups and facilities require creation and stewardship of data sets.

LEGACY DATA:

Work with the community to capture critical legacy data.



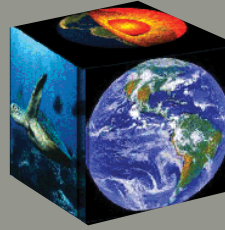
OUR GOALS

Geostrat will provide:

- ▶ Mechanisms to capture the full geologic context of field-based geologic data.
- ▶ The ability to support individuals as well as group projects.
- ▶ User-friendly ways for working with the system.
- ▶ A secure area to store unpublished data.
- ▶ Searching: simple, but powerful ways for the user to find the information they need.
- ▶ Access to the tools necessary to analyze and assess data.

GeoStrat will be a productive partner of the larger geoinformatics community.

SUPPORTING THE NSF VISION OF EARTH CUBE



GeoStrat supports NSF's EarthCube vision of "...creating integrated data management and infrastructures across the Geosciences ... to increase the productivity and capability of researchers."

GeoStrat, in partnership with NSF, provides an interface solution for data upload, data storage, data search and data management. In design is a Project Space interface for collaboration on shared projects or for individual research.

To learn more about EarthCube visit their website:
www.nsf.gov/geo/earthcube/index.jsp



www.nsf.gov

Supported by the National Science Foundation

A GEOINFORMATICS COMMUNITY PARTNER



A DIGITAL INFORMATION SYSTEM FOR
FIELD BASED GEOLOGICAL DATA

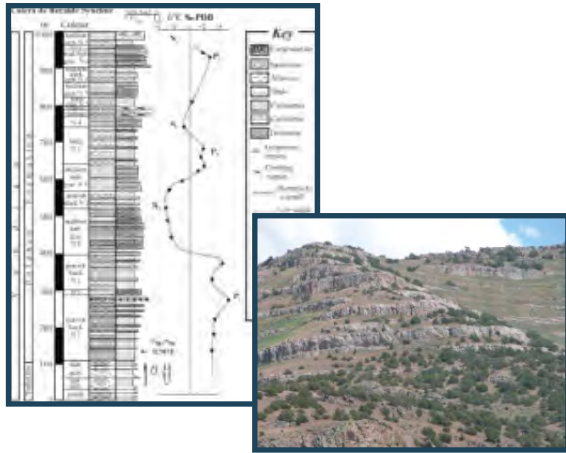


Visit our new website for further information
www.GeoStratEx.org

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WHAT IS GEOSTRAT?

GeoStrat is a free and open data system that provides a unique, dynamic, and secure working environment for individual users as well as project teams. It provides mechanisms for the data input, searching, output, synthesis and presentation of these data, and open access to public data.



Hosting data from Stratigraphic Sections, Drillholes, and Field Areas, including:

- Physical Stratigraphy
- Biostratigraphy
- Sequence & Cyclostratigraphy
- Lithology
- Biofacies
- Lithofacies
- Petrology/ Petrography
- Geochemistry
- Geochronology
- Paleontology
- Taxonomy
- Geologic maps
- Cross sections
- Structural data, etc.

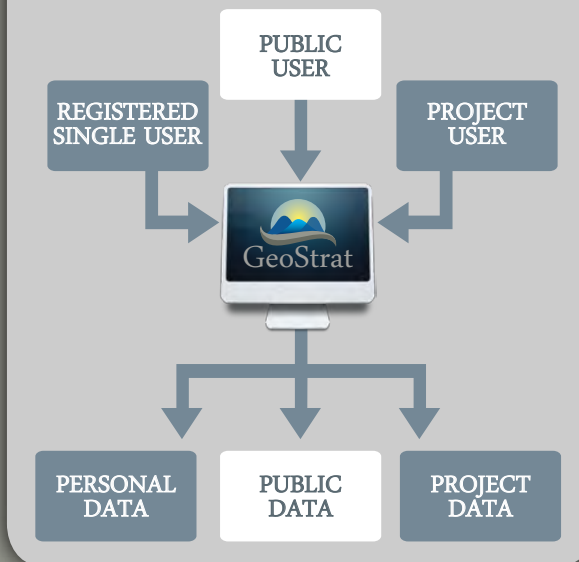


HOW DO YOU WORK WITH THE SYSTEM?

➤ **GEOSTRAT SUITE:** The GeoStrat Suite of interfaces provides a robust, secure and easy to use environment for data management needs. It can become your daily work setting from data acquisition to analysis to publication preparation - including links from your data sets to those publications.

OPEN ACCESS: In your personal or project workspace you can see and work with public and your own data in a secure, private space – until you are ready to make your data public.

SYSTEM PROCESS



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RELEASED COMPONENTS

- **MAP INTERFACE:** plots of data locations and simple descriptions on modern world maps and soon on paleogeographic maps.
- **DATA PERMANENTLY ATTRIBUTED TO THE ORIGINATOR:** all data are tagged with the person, group, or institution that generated the data.
- **BULK UPLOAD:** sets of easy to use data loaders for uploading discrete data and data products through GeoStrat's data upload interface.
- **PERSONAL ASSISTANCE** is available particularly for complex or extensive data sets.
- **ANALYTICAL & VISUALIZATION TOOLS**

IN DESIGN

- **IGSN:** Ability to assign International Geo Sample Numbers (IGSN) to your samples.
- **PROJECT SPACE:** A secure private workspace for individual research or project collaboration.
- **ADDITIONAL ANALYTICAL & VISUALIZATION TOOLS:** designed by GeoStrat as well as easy access to tools hosted by others.
- **PROJECT PUBLICATIONS:** the ability to construct dynamic projects to present your data and graphics and to connect them via DOI to published papers.
- **CUSTOMIZED INTERFACE:** GeoStrat Suite will allow the user to customize the interfaces to match that of a project, group or institution.