

Geosoft Data Services

Data is key to discovery success

The ultimate goal is to have a data management solution and workflow that is sustainable. The first step is to clean-up and publish all historical and current project data. Once the workflow is set-up then all future project data can be easily added and shared with the team. The Geosoft professional services group can help you to establish a data management solution.

Geosoft works with exploration organizations to establish a process and workflow to capture, catalog, publish and share all of their historical, current and future project data with the whole organization.

What data types can we help you manage?

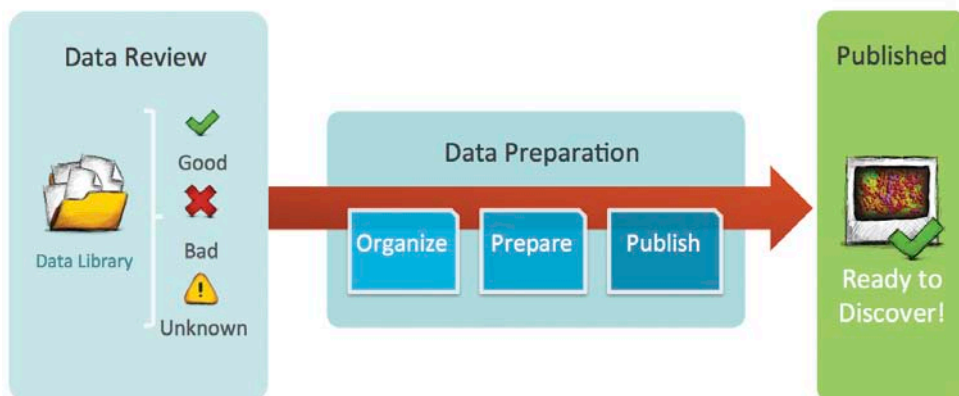
Geosoft has experience with exploration data of all types including geophysics, imagery, surface geochemistry, drillhole, and GIS.

Geosoft Data Service offerings: Data Review, Data Preparation, and Data Publishing

Geosoft has specialized tools, capabilities, processes and workflows to deal with an exploration organization's data issue very effectively.

Geosoft can deliver the following to customers:

- Review and audit existing exploration data
- Create managed exploration data repositories
- Cleanse and prepare unknown data
- Capture metadata of prepared data
- Publish data to an EIMS solution/shared drive



Data Review

In this phase, we scan through and review your exploration data (drillhole, geophysics, geochemistry, reports and other project data) and provide you with an analysis (summary report) that categorizes your data as follows:

Good data

This is data that is relevant to the project and structurally sound – it requires little or no corrections.

Bad data

This is data that is temporary working files, not relevant to the project, duplicates, etc. This data would be removed from the final, master version, based on some defined rule set.

Unknown data

This is data that would require further investigation – we would determine with you what additional work would be required on this category of data before proceeding.



Data Preparation

Based on the findings from the Data Review, the applicable datasets are cleaned, corrected, georeferenced, and organized. Where appropriate and feasible, "standardized" metadata will be created and then applied to the datasets that do not have existing metadata.

Having categorised the Data, Geosoft can apply our Data Preparation Toolsets and Methodology to create prepared data.

- Special software tools to automate data QA/QC, add metadata, format conversions, etc.
- Skilled data preparation services; personnel on site, working with the geoscientists to organize all of the data into known locations, with organized metadata (minimum mandatory fields plus additional fields where available), with consistent data types, validated projections, etc.
- Develop and implement easy-to-use, standardized and semi-automated workflows and processes for dealing with historical data, current projects, and future projects.

Data Publishing

The final outcome varies depending on the client's current information management solution.

- If there's an EIMS solution already implemented Geosoft will catalog the prepared data and the data can be easily searched and shared across the organisation.
- Geosoft can recommend EIMS software and database solutions suitable to the organizations size and requirements.
- Geosoft can publish the data library on a shared drive that can be shared.

What data services does Geosoft provide explorers?

Geosoft helps companies collect, manage and share all of their data by

- Defining the business rules for consistent data management
- Providing efficient resources to automate validation and preparation wherever possible
- Recommending software solutions based on customer's size and requirements



1 Data Review



2 Data Preparation



3 Data Publishing

The Outcome

The ultimate goal is to have a spatially referenced, well organized data management workflow and system, where the data is searchable and useable. The company's experienced and new users can easily search spatially or on various metadata criteria, and get the datasets for use in their applications and on their projects.

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