DataShed5 Fundamentals Course

About the Course

This course is essential for people who will be responsible for a company's DataShed database or need in-depth knowledge of the integrated DataShed5 data management system. The topics covers user and administration tasks and customisation of the DataShed database. It is an intense, hands-on course designed to present all the skills needed. It is assumed that participants are familiar with basic database principles.

Course structure

The course will take two days to complete. The components of the training are;

1.   Online introduction with trainer (15 minutes)

2.   Complete online training videos and assessment (2 hours)

3.   Online session with trainer (approximately 1.75 days)

Participation in this training is mandatory for all licensed users to ensure consistent competency. By the end of the course, participants will gain the confidence and knowledge needed to optimize their use of DataShed5. Successful completion of this assessment is required to receive certification and maxgeo support. Ongoing support and training resources are available to ensure continued success.

At the completion of this course participants should be able to:

•   Connect to relevant databases
•   Customise the database to reflect the commodities of interest
•   Create views to utilise assay results in a geological context
•   Understand how to manage users access to DataShed5 functionality and their access to data
•   Import a lab file into the DataShed assay management system and ensure all metadata and QC data is captured
•   Utilise the Administration portal to manage the database
•   Create objects in SQL and add the objects to the DataShed system so that they are accessible
•   Export data into various formats
•   Utilise the Intercept Calculator
•   Utilise the Desurvey Module

About our trainers

Our course leaders are selected from our team of highly skilled data consultants.

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Course Content

1. Basic principles of DataShed5 and configuration:
- Overview of DataShed data management system
- Database structure and nomenclature

2. Using DataShed5 as a user:
- Viewing data
- View maps
- Filtering options
- Exporting data into various formats

3. Exporting Data:
- Table/Layout/Schema set up
- File Formats
- Exporting/ subscriptions

4. Importing geological data:
- Importing drilling and sample data in DataShed5
- View data
- Importing errors and troubleshooting
- Creating import layouts

5. Other Features:
- Intercept Calculator
- Desurveyiing

6. DataShed5 general system administration:
- Configuring User profiles
- Configure Databases
- Licencing

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DataShed

Day 2 - Assay Management Systems

1. Overview of normalised assay management, data collected, statutory requirements:

- Discussion of normalised assay systems
- DataShed work process for laboratory assay files

2. Importing laboratory files:

- Creation of assay import layout for standard csv lab files
- Importing csv lab files into normalised assay system and tracking of progress
- Import assay file
- Configuring lab QC information to process
- Assay import troubleshooting

3. DataShed normalised assay system configuration:

- Advanced assay management settings
- What to do with below detection results and value substitutions
- Configuring the Flat Assay tables
- Creating user friendly views
- Database structures and RH attributes
- Ranking process

4. Laboratory QC results:

- Configuring the incoming lab mask table
- QC reference table
- Running the stored procedure usp_IncomingDataDriver

5. Introduction to maxgeo Data Schema (MDS):

- Connect to the Database using SQL Server Management Studio
- Database components including tables, views, Programmability
- Database structure and naming conventions
- Build a new view
- Add a Field to an existing table
- Add a new table
- Table Keys, Constraints, Triggers
- Stored Procedures
- Register database objects in DataShed5
- Back up a database