Global Horizon
TRAINING CENTER

Training Course:
Reservoir Modeling and Data Integration

5 - 9 January 2025
Sharm El-Sheikh (Egypt)
Sheraton Sharm Hotel

Training Course:
Reservoir Modeling and Data Integration

Training Course code: EN235148 From: 5 - 9 January 2025 Venue: Sharm El-Sheikh (Egypt) - Sheraton Sharm Hotel
Training Course Fees: 4200 Euro

Introduction:

The "Reservoir Modeling and Data Integration" training program is aimed at professionals in the oil and gas industry who are involved in reservoir management and modeling. This program will equip participants with the knowledge and skills necessary to effectively create and utilize reservoir models while integrating various data sources for accurate reservoir characterization and decision-making.

Objectives:

The primary objectives of this training program are to:

- Provide participants with a fundamental understanding of reservoir modeling principles and techniques.

- Teach participants how to integrate diverse data sources to enhance reservoir characterization and modeling accuracy.

- Equip participants with the skills required to construct and update reservoir models effectively.

- Enhance participants' ability to use reservoir models for reservoir management, production optimization, and decision-making.

- Promote collaboration among multidisciplinary teams involved in reservoir management.

Target Audience:

This program is designed for the following target audience:

- Reservoir engineers and geologists.

- Petrophysicists and geophysicists.

- Production and operations engineers.

- Asset managers and decision-makers in reservoir management.

- Anyone interested in advancing their knowledge of reservoir modeling and data integration.

Outlines:

Day 1:

Introduction to Reservoir Modeling

- Overview of reservoir modeling in reservoir management.

- Types of reservoir models static and dynamic.

- Data requirements and sources for reservoir modeling.

Day 2:

Data Integration for Reservoir Characterization

- Types of data sources seismic, well data, core data, etc..

- Data quality assessment and preprocessing.

- Data integration techniques and best practices.

Day 3:

Static Reservoir Modeling

- Building geological models.

- Reservoir grid construction and property modeling.

- Upscaling techniques and reservoir discretization.

Day 4:

Dynamic Reservoir Modeling

- Introduction to reservoir simulation.

- Model initialization and history matching.

- Forecasting and production optimization using dynamic models.

Day 5:

Reservoir Management and Decision-Making

- Reservoir monitoring and model updating.

- Economic evaluation and decision analysis.

- Case studies and practical exercises.

Registration form on the Training Course:
Reservoir Modeling and Data Integration

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