



*Training Course:
Advanced Seismic Stratigraphy*

*8 - 12 December 2025
Madrid (Spain)
Pestana CR7 Gran Vía*

Training Course: Advanced Seismic Stratigraphy

Training Course code: SC235151 From: 8 - 12 December 2025 Venue: Madrid (Spain) - Pestana CR7 Gran Vía Training Course Fees: 6000 € Euro

Introduction

The "Advanced Seismic Stratigraphy" training program is aimed at professionals in the fields of geology, geophysics, and petroleum exploration who want to enhance their knowledge and skills in seismic stratigraphy. This program will cover advanced techniques and applications of seismic stratigraphy for improved reservoir characterization and exploration success.

Objectives

The primary objectives of this training program are to:

- Provide participants with a comprehensive understanding of seismic stratigraphy principles.
- Teach advanced seismic interpretation techniques for detailed stratigraphic analysis.
- Enhance participants' ability to identify key stratigraphic features using seismic data.
- Enable participants to use seismic stratigraphy in reservoir characterization and exploration.
- Foster collaboration among multidisciplinary teams involved in geology and geophysics.

Target Audience

This program is designed for the following target audience:

- Geologists and geophysicists.
- Exploration and production geoscientists.
- Petroleum engineers and reservoir engineers.
- Professionals involved in geological and geophysical data interpretation.
- Anyone interested in advancing their knowledge of advanced seismic stratigraphy.

Outlines

Day 1

Introduction to Seismic Stratigraphy

- Overview of seismic stratigraphy.
- Principles and terminology.
- Role of seismic stratigraphy in geology and petroleum exploration.

Day 2

Seismic Data Acquisition and Processing

- Seismic data acquisition techniques.
- Data quality control and preprocessing.
- Seismic attribute analysis.

Day 3

Sequence Stratigraphy

- Principles of sequence stratigraphy.
- Identifying sequence boundaries and systems tracts.
- Seismic expression of sequence stratigraphy.

Day 4

Seismic Inversion and AVO Analysis

- Seismic inversion techniques.
- Amplitude versus offset AVO analysis.
- Application of seismic inversion to reservoir characterization.

Day 5

Advanced Seismic Interpretation

- Advanced seismic interpretation tools and software.
- Case studies and practical exercises.
- Q&A session and knowledge assessment.

Registration form on the Training Course: Advanced Seismic Stratigraphy

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