

Training - Sedimentology and Sequence Stratigraphy



SEQSTRA-EN-P



Face-to-face only



5 days

This course provides a practical, comprehensive understanding of new concepts and methods applied in stratigraphy, sedimentology and sequence stratigraphy analysis

Level

Knowledge

Public

Geologists, geophysicists working in multidisciplinary-team dedicated to exploration

Objectives

Attendees will be able to implement the following skills:

- Review fundamentals of main depositional environments
- Understand and apply sequence stratigraphy concepts and methods
- Identify sequences on seismic lines, and interpret core and log data with regard to stratigraphy

Pedagogical & technical resources

Lectures, exercises, hands-on sessions on real case studies

Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prerequisites

No prerequisites are necessary to follow this course

Responsible

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

STRATIGRAPHY - SEDIMENTOLOGY - DEPOSITIONAL ENVIRONMENTS

1 day

Review of basic concepts in stratigraphy and sedimentology.
Alluvial, fluvial, deltaic, shallow and deep marine facies models.
Facies classification and related petrophysical characteristics.

SEISMIC SEQUENCE STRATIGRAPHY AT BASIN SCALE

2.5 days

Historical concept of depositional sequences and system tracts.
Interpretation methodology both for clastics and carbonate facies.
Prediction of potential source rocks & reservoirs location.
Application to seismic interpretation.

State-of-art overview of sequence stratigraphy.

HIGH-RESOLUTION SEQUENCE STRATIGRAPHY AT RESERVOIR SCALE

1 day

Identification of genetic sequences.

Correlation by stacking patterns analysis.

Interpretation: exercises based on outcrop analogues and field studies.

OVERVIEW OF STRATIGRAPHIC MODELING

0.5 day

Interactive demo on Dionisos™ modeling software.

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.

Please contact our disabled persons referent to check the accessibility of this training program : referent.handicap@ifptraining.com