

Formation - Sedimentology and Sequence Stratigraphy



SEQSTRA-EN-P



Présentiel



5 jours

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

Niveau

Fondamentaux

Public

Geologists, geophysicists working in multidisciplinary-team dedicated to exploration

Objectifs

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

Pédagogie & ressources techniques

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

Évaluation des acquis

- 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

Prérequis

No prerequisites are necessary to follow this course

Responsable

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

Programme

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.

IFP Training est référencé au DataDock. Rapprochez-vous de votre OPCO pour connaître les possibilités de financement de cette formation.
Pour vérifier l'accessibilité de cette formation à une personne en situation de handicap, contactez notre référent à l'adresse suivante :
referent.handicap@ifptraining.com