Training - Seismic reservoir characterization

SRC-EN-D | Distance only | 5 days

This course provides a practical introduction to workflow and methodology of seismic reservoir characterization

Level
Knowledge

Public
E&P professionals with previous experience in geosciences

Objectives
Attendees will be able to implement the following skills:

- Assess the main methodology applied during seismic reservoir characterization
- Describe main concepts of seismic inversion
- Analyze and apply main concepts of seismic lithofacies classification

Pedagogical & technical resources
Interactive lectures and hands-on exercises

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

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

Program

SEISMIC PRECONDITIONING — 0.5 day

SEISMIC FOR RESERVOIR ANALYSIS — 1.5 days

Seismic amplitude analysis, Direct Hydrocarbon Indicators (DHI), seismic attribute analysis.
HR - HQ - HD - Broadband seismic, 4D Seismic.
Multi-component seismic, P waves versus S waves.
AVO-AVA processing and analysis.
Seismic inversion.

ATTRIBUTES FOR STRUCTURAL ANALYSIS — 1.5 days

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Amplitude.
Dip.
Similarity.
3D seismic curvature ;
Fracture density.

ATTRIBUTES FOR GEOMODELING 1.5 days

Seismic facies, supervised, non-supervised.
Porosity.

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

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