

Training - 3D Seismic Interpretation Workshop



SEIS3D-EN-P



Face-to-face only



10 days

This course provides E&P professionals with a foundational understanding of 3D structural seismic interpretation, combining essential theory with extensive hands-on practice on PETREL©

Level

Skilled

Public

Technicians and engineers who wish to acquire or strengthen their knowledge of 3D structural seismic interpretation through extensive hands-on practice using professional software

Objectives

Attendees will be able to implement the following skills:

- Recognize main principles of seismic reflection and interpretation.
- Identify factors affecting seismic resolution.
- Understand the purpose of qualitative and quantitative interpretation methods.
- Practice seismic interpretation tasks in PETREL©.
- Generate horizons and fault deliverables for a geomodel

Pedagogical & technical resources

- Engaging sessions combining interactive presentations, practical exercises, and real-case document analysis.
- Second week is fully hands-on, with participants working directly on PETREL© - a leading seismic interpretation software used in the industry

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

PETROLEUM GEOLOGY

1 day

Tectonics, Sedimentary Basins.

Exercise on paper.

OVERVIEW OF SEISMIC INTERPRETATION

1.5 days

Structural interpretation.
Seismic stratigraphic interpretation.
Exercise on paper.

SEISMIC REFLECTION & WELL LOG CALIBRATION

2 days

What is seismic reflection?
Seismic wave propagation.
Acquisition and Processing.
Seismic Polarity.
Seismic Resolution.
Exercise on paper.

FROM QUALITATIVE TO QUANTITATIVE INTERPRETATION

1 day

Post-stack techniques.
Pre-stack techniques.
Seismic Attributes for Reservoir Interpretation.
Correlating Attributes with Seismic Stratigraphy.
Exercises on paper.

HANDS-ON SOFTWARE (PETREL®)

4.5 days

Well Calibration.
Picking for Velocity Modeling Exploration.
Time-to-Depth Conversion.
Seismic Reservoir Characterization for Opportunities.

Sessions

Rueil-Malmaison - From 11/16/2026 to 11/27/2026

8490 €/HT

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