

Training - Play Assessment and Prospect Generation



PLAY-EN-P



Face-to-face only



5 days

This course provides a practical, comprehensive understanding of that part of the E&P value chain that deals with the technical evaluation of an exploration asset

Level

Skilled

Public

Geoscientists, technical or non-technical managers interested in prospect assessment

Objectives

Attendees will be able to implement the following skills:

- Understand prospect definition workflow and to estimate OHIP (Original Hydrocarbon In Place) estimation parameters
- Understand risks and uncertainties related to OHIP calculation methods and to use related results accordingly
- Review fundamental concepts of portfolio management and to learn how to define adapted exploration strategies

Pedagogical & technical resources

- Lectures and exercises
- Hands-on sessions on real case studies
- Discussion, teamwork experience feedback

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

FROM PROSPECT LEAD TO POTENTIAL FIELD

1 day

Presentation of exploration methods and strategies.

Basin petroleum potential assessment process. Key points of the exploration workflow.

PLAY ASSESSMENT

1 day

Data collection and QC.
Basin potential assessment.
Regional context. The petroleum trilogy.
Migration and entrapment processes.
Relative timing of events.

PROSPECT ANALYSIS & GENERATION

2 days

Source rock potential estimation.
Seismic and well data integration and interpretation.
Basin structural history.
Timing of hydrocarbon expulsion and migration.
OHIP calculation parameters. Determinist and stochastic assessment.
Estimation of risks and related uncertainties. Assessment consistency.
"Prospect review card".
Case study on prospect generation.

RISK ANALYSIS

1 day

Identification and assessment of risks and uncertainties related to:

- Geology (source rock, reservoir, seal, preservation).
- Fluids (generation, maturation, migration, entrapment, timing).

Probability Of Success (POS). Transition to dynamics. Consequences for economics.
Case study.

WRAP UP & CONCLUSION

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