Training - Hydrocarbons in Unconventional Settings

UNCON-EN-P | Face-to-face only | 3 days

This course provides a general introduction to various non-conventional hydrocarbons, focused solely on a consistent geological rationale to the different potentially producing objectives, through a “petroleum system” approach

Level

Awareness

Public

- Geologists, geophysicists, engineers, managers, E&P professionals in charge of basin exploration and prospect evaluation
- E&P professionals involved in production of unconventional hydrocarbons

Objectives

Attendees will be able to implement the following skills:

- Understand the geological rationale of unconventional resources as an extension of the petroleum system concept
- Acquire a general knowledge of all unconventional resources
- Understand what is at stake in this recent domain and future potential impacts

Pedagogical & technical resources

- Examples from all over the world commented by an expert
- Interactive discussions

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

PETROLEUM SYSTEM CONCEPT (REMINDER)	**0.5 day**
UNCONVENTIONAL RESOURCES (PART 1)	**1 day**

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Oil shales.
Heavy oils, extra heavy oils, tar sands.
Geological biogenic gases (ex-early diagenesis, ex-oil biodegradation).
Gas hydrates.
“Clean Coal” (coal bed methane, coalmine methane, underground coal gasification).

UNCONVENTIONAL RESOURCES (PART 2) — 1 day

Shale plays (shale gas, shale oil).
Tight gas in basin centered gas system.

UNCONVENTIONAL RESOURCES FROM AN EXTENDED PETROLEUM PERSPECTIVE — 0.5 day

Burial and thermal history - Source rock maturation.
Kinetic parameter determination, kerogen expulsion and cracking.
Migration of hydrocarbons and pressure regime.

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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