

Training - E&P Data: Value and Format



DMFORMA-EN-D



Distance only



5 days

The O&G industry has been involving data forever. O&G data is key to business and may as such be considered as an asset, which requires dedicated management. However, data may exhibit different types in the E&P. The E&P data: value and format introduces the main data types that can be encountered across various E&P disciplines

Level

Awareness

Public

Professionals from all O&G disciplines who plan to have responsibilities in the data management domain

Objectives

Attendees will be able to implement the following skills:

- Describe data management and understand data as an asset
- Recognize the various types of data in the O&G business and their relations
- Recognize and manage the main semi-structured formats used in the O&G business

Pedagogical & technical resources

Interactive lectures, case studies and 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

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

INTRODUCTION: O&G IS A DATA CENTRIC BUSINESS

0.5 day

Data asset: Why data is a key asset for the oil and gas industry. Why it is a particular asset, which needs special management skills.

GEOPHYSICAL & SEISMIC DATA

0.5 day

What is seismic acquisition and processing from a data manager point of view: the main principles of seismic reflexion. Land and marine acquisition. Various type of processing.

Acquisition data format: the SEG-D format.

Stacked data format: the SEG-Y format.

WELL DATA

0.5 day

Wells, wellbores and completion: The interest of a standard taxonomy, PPDM taxonomy as a case study.

Measurement in the wells. Well logs and composites, LAS and DLIS format. Reading a log header in a PDF, a LAS or a JSON format.

Other data related to wells: core measurements, geochemistry, Fluid analysis: Storing key information in unstructured formats.

RESERVOIR DATA

0.5 day

Reservoir data: type of reservoir data. The value of data integration.

DATA FOR OPERATIONS

0.5 day

Production monitoring: points of measurement, metering, real-time data. Importance for the asset.

Construction and engineering: tags, PID and PLC.

Maintenance and logistic: the use of the ERC for maintaining and inspecting an industrial asset.

DATA LIFE CYCLE

0.5 day

Data Life cycle and management.

MINI-PROJECT

2 days

Reading well logs and creating composites.

Reading SEGY files.

Listing equipment and equipment's characteristics from P&IDs.

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