

Training - Data Management and Data Science for E&P Operations



DMDAEP-EN-P



Face-to-face only



50 days

Whatever the Oil & Gas discipline, data is now taking a more and more important role in all business decision processes. An efficient management of data is becoming crucial for E&P companies, as data volume is constantly increasing and reservoir optimization is key. Because of this high data volume, data analytics have progressively invaded the O&G industry and been applied to a wide range of E&P applications. The Data Management and Data Science for E&P Operations will provide a transverse understanding of how Data shall be managed and how it may be used to create value.

Level

Awareness

Public

Oil & Gas professionals who plan to take responsibilities in data management and be part of their company's digital transformation

Objectives

Attendees will be able to implement the following skills:

- Go through the main data types used in the E&P domain
- Learn the main concepts of data management, as described by DAMA
- Be able to select and develop appropriate methods to organize data
- Understand cybersecurity challenges
- Understand E&P georeferenced data
- Learn about the machine learning applications in the E&P domain
- Discuss machine learning models validity

Pedagogical & technical resources

Interactive lectures either as presential class or as virtual class, exercises or hands-on practice and a final 2-week project in IFP Training premises

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

MODULE I: DATA MANAGEMENT FOR E&P OPERATIONS

30 days

MODULE II: DATA SCIENCE FOR E&P OPERATIONS

10 days

MODULE III: FINAL PROJECT

10 days

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