

# Formation - Data Management and Data Science for E&P Operations



DMDAEP-EN-P



Présentiel



50 jours

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.

## Niveau

Découverte

## Public

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

## Objectifs

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

## Pédagogie & ressources techniques

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.

## Évaluation des acquis

- 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

## Prérequis

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.

## Programme

## **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**

IFP Training est référencé au DataDock. Rapprochez-vous de votre OPCO pour connaître les possibilités de financement de cette formation.

Pour vérifier l'accessibilité de cette formation à une personne en situation de handicap, contactez notre référent à l'adresse suivante : [referent.handicap@ifptraining.com](mailto:referent.handicap@ifptraining.com)