

# Formation - Data Base Set Up and Evaluation



DBASE-EN-P



Présentiel



5 jours

O&G professionals are getting more and more involved in data management. Setting up a fit-for-purpose database is often a challenge. Based on DAMA book of knowledge, the Data Base Set Up & Evaluation training aims at focusing on understanding data management needs and organizing an adequate data base in a given O&G organization

## Niveau

Découverte

## Public

Data managers, information managers, technical managers, technologists, geoscientists, Reservoir Engineers, involved in organizing data bases or assessing them (e.g. data rooms)

## Objectifs

Attendees will be able to implement the following skills:

- Set up a data governance plan within their organization
- Identify and select the most appropriate data base architecture, depending on available data
- Define data security requirements
- Set up data quality criteria

## Pédagogie & ressources techniques

Interactive lectures ended by a business case

## 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

### O&G DATA GOVERNANCE

0.5 day

Data management, as per DAMA.  
Data governance.  
Responsibility sharing for efficient Data Management; RACI matrix.

### DATA ARCHITECTURE & DATA OPERATIONS

0.5 day

ER diagrams, SQL, NoSQL, graph databases.

## PHP & SQL

1 day

Hands-on exercise on PHP and SQL.

## DATA INTEGRATION

0.25 day

OLAP and OLTP.

Data warehousing, ERP and BI products.

Data virtualization.

## DATA RETENTION & SECURITY

0.75 day

Back-up; archives.

Legal constraints: SOX, GDPR.

Common attacks and mitigations.

ISO 27001.

## DATA QUALITY

0.5 day

End users expectations.

Quality criteria.

Quantitative approach.

## DATA MANAGEMENT SKILLS

0.5 day

Data Management jobs.

Skills assessment in PPDM and CDA.

## MINI-PROJECT

1 day

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)