



PETROLEUM DATA MANAGEMENT

Language: **English**

Duration: **10 months**

Specialized master's degree (Mastère spécialisé®)



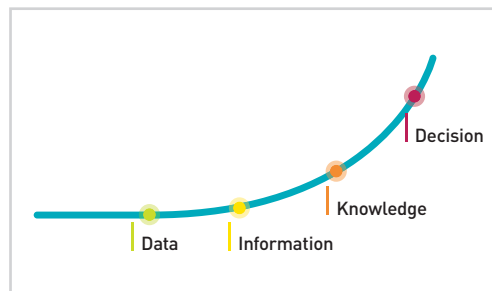
Are you keen to take up the challenges of big data? Are you well aware that the digital revolution is set to have a major impact on the energy sector in the very near future? A whole host of new opportunities are opening up for the use of natural resources, be they oil, natural gas or water. Our Petroleum Data Management program is a unique course that will teach you how to manage data. You will become a true expert in organizing and analyzing data! Join the digital world and become a data manager!

PARTNER
INSTITUTION

ENSG
Géomatique

KEY CHALLENGES FOR DATA MANAGEMENT

- Data is a key company asset
- Large volumes of data need to be integrated for information, knowledge and innovation
- An essential component of artificial intelligence applications



DATA MANAGER, AN EMERGING JOB REQUIRING

Data knowledge

- Fundamentals of information management
- Data management technologies
- Modeling and programming languages
- Data science and big data

Cross-functional skills

- Energy production
- GIS
- Project management in a multicultural environment

CAREER OPPORTUNITIES

- Management positions within the energy industry, geomatics and GIS, data science, big data, auditing, HSE, etc.
- Major data management projects
- From international groups to startup companies

More than
150 applicants
from
40 countries

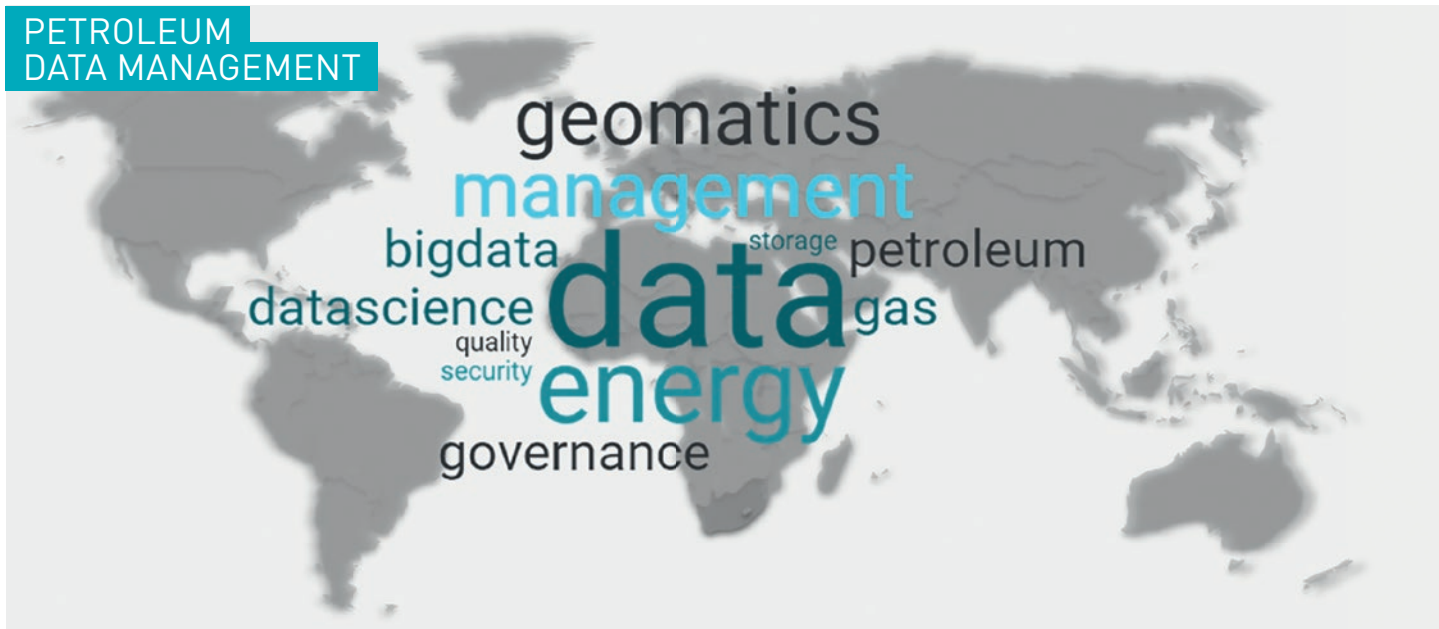


This program is accredited as a *Mastère spécialisé®* (specialized master's degree) by the *Conférence des grandes écoles*.

MS&E
Mastère spécialisé®

Find out more: www.ifp-school.com

ifp
SCHOOL



PROGRAM CONTENT

- > Case studies and data sets provided **by industry**
- > Field work and **integrated projects**
- > **Preparation** for DAMA CDMP and CAPM® certifications

Georesources

- E&P workflow
- Geology data
- Seismic & well data
- Reservoir data
- Drilling & production data
- HSE

Geomatics/GIS

- Geodesy
- Reference system
- Photogrammetry
- Topography
- GIS/SQL
- Spatial calculations

Data Management

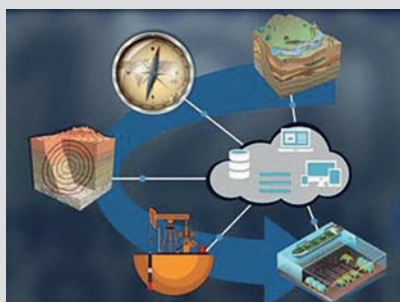
- Information management fundamentals
- Data governance
- Actors & companies in DAMA
- Data life cycle & data quality
- Data model & reference data
- Machine learning

Information Technology

- Storage and query
- Data security
- Data access
- Data visualization
- Web technologies
- Python project
- Big data

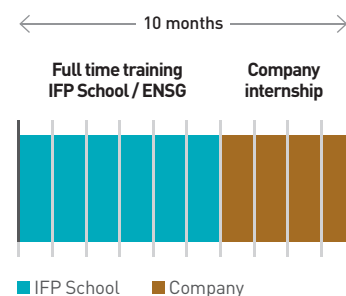
Project Management

- Certificate Associate in Project Management (CAPM)
- Team project



PROGRAM SCHEDULE

Short full-time program
6-month course + 4-month internship



ADMISSION

- Required: an engineering or master's degree
- Backgrounds: geosciences, petroleum engineering, chemical engineering, geomatics, IT, banking, mining, etc.

TUITION FEES

- €16,000 Self-financed young professionals
- €16,000 Sponsored students
- €28,000 Seconded professionals