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!

**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

Find out more: [www.ifp-school.com](http://www.ifp-school.com)
## 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

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<thead>
<tr>
<th>10 months</th>
<th>Full time training</th>
<th>Company internship</th>
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<td>IFP School / ENSG</td>
<td>Company internship</td>
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### 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

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