

From seismic images to seismic interpretation

About the course:

Introduction to geophysical data types, seismic processing QC, seismic interpretation (seismic-to-well tie, picking, attributes, time-to-depth conversion). Dedicated both to Oil and Gas Industry and to Near Surface. Lecture and exercises.

Duration: 3 days

Level: Basic to intermediate

Prerequisites:

It is highly recommended to have a good knowledge of fundamentals in seismic wave propagation, acquisition and processing, as well as in structural geology.

Course objectives:

After the course, attendees shall be able to:

- Take a critical look at a geophysical data base.
- QC a seismic processing.
- Understand and implement seismic interpretation workflow.

Typical Attendees:

Subsurface professionals with notions in Geophysics and Geology.

Agenda:

Day 1 – Morning: Data Preparation, QC and Regularization (Lecture).

Day 1 – Afternoon: Data Regularization and QC (Practice session) + Seismic-to-well tie (Lecture).

Day 2 – Morning: Seismic-to-well tie (Practice session).

Day 2 – Afternoon: Seismic Interpretation (Lecture).

Day 3 – Morning: Seismic Interpretation (Practice session).

Day 3 – Afternoon: Time-to-Depth Conversion - Uncertainties Notions - Course Summary.

Instructor:

Ludovic Peignard has been a geophysicist for the Oil and Gas Industry since 2006, in charge of many geographic areas, working for GDFSUEZ and Total groups. He founded and coded, EarthQuick, a software solution to cope with needs of swift geodata integration and interpretation. He is a freelance instructor and a vacant teacher for IFP School and EOST in Geophysics.

Data:

Course shall rely on data from Oil and Gas Industry or Near Surface as per clients' request.

2,000 EUR Tax Excluded extra cost shall be applied if clients request to run examples on their own data base.

Price:

6,000 EUR Tax Excluded, 8 attendees maximum, for the whole duration, excluding traveling and accommodation expenses.

Other Information:

Lecture could be made in English or French at the sole discretion of clients. Course media (slides and booklet) shall be written in English only. The booklet only shall be provided as a hard copy.

EarthQuick licenses are provided without extra costs, for the course duration only.

Attendees shall practice with EarthQuick Software for exercises, running EarthQuick on their own PC, compliant with following minimum requisites:

- OS: Windows 7, 8, 8.1 or 10,
- Free Space HD: 1 TB,
- Amount of RAM: 8 GB RAM,
- CPU speed: 2.4 GHz,
- CPU Core count: 2,
- Video Resolution: 1280x720.

