Geovariances
Where no one has gone before

Geovariances Training

TIME TO DEPTH CONVERSION: THE GEOSTATISTICAL APPROACH

3-day course

Geovariances offers a complete set of high quality training programs in petroleum geostatistics for beginners and experienced users.

Geovariances courses cover basic and advanced geostatistics and provide participants with plenty of hands-on practice with real oil reservoir data.

All courses are led by our highly experienced consultants.

Geovariances offers public courses around the world and throughout the year. Over the last 18 months, more than 250 trainees have participated in our training sessions.

Our consultants also provide in-house training and mentoring focused on your own needs.

Isatis, the geostatistical software solution from **Geovariances**, is regarded as the reference in petroleum geostatistics.

Leading Oil & Gas and consulting companies around the world rely on **Geovariances** and **Isatis** for genuine expertise in geostatistics.

Objective

This course provides a sound understanding of geostatistical solutions to time-to-depth conversion issues. You will learn how to make the best use of all the available information (wells and seismic).

Key features

Exploratory data analysis focused on correlation between wells and seismic (TVD, TWT and velocities). Pros and cons of collocated cokriging and kriging with external drift. 3D seismic data processing including filtering techniques.

Who should attend

Geologists and geophysicists involved in data interpretation and mapping of surfaces limiting the reservoirs. A basic understanding of geostatistics is required (variograms & kriging).

Course content

This session covers the following topics:

- Recalls on the basic geostatistics: exploratory data analysis, variography, kriging.
- The problematic of time to depth conversion: time interpretation, evaluation of the information on velocities and standard models.
- Multivariate geostatistical models: cross variograms, cokriging.
- Analysis of the correlation between TVD-TWT and velocities.
- Presentation of the 2 main methods for mixing wells and seismic data:
    - Collocated cokriging: particular case of the Markov assumption.
    - Non stationary model: kriging with external drift.
- 3D seismic data processing: calibration of velocity from stacking velocity cube.

On-line registration

http://www.geovariances.com/en/oil-amp-gas-time-to-depth-conversion-the-geostatistical-approach-co96

Contact

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