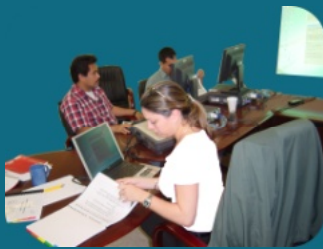




## Geovariances Training

# GEOSTATISTICAL GRIDDING FOR THE OIL & GAS INDUSTRY

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

To achieve gridding tasks is of routine use for geoscientists working in the oil industry. The course highlights hints and pitfalls of common gridding algorithms and details the practice geostatistical algorithms to build structural or property models.

### Key Features

The capabilities of geostatistics to handle petroleum data characterised by their heterogeneous nature are shown on real data with a minimum of theory and a maximum of practice.

### Who should attend

Geologists, geophysicists and petrophysicists asking for a practical introduction to geostatistical methods for interpolating well and seismic data. Basic knowledge of statistics is recommended.

### Course content

This session covers the following topics:

- Overview of geostatistics and its main methods
- Variographic analysis of porosity data
- How the cross validation works to help in choosing the variogram model
- The practice of kriging
- Multivariate geostatistics and cokriging
- Integration of wells and seismic data for time to depth conversion
- Comparison of collocated cokriging and kriging with external drift
- Doing more with geostatistics

The practical exercises are achieved using Isatis software.

### On-line registration

<http://www.geovariances.com/en/oil-amp-gas-geostatistical-gridding-for-the-oil-amp-gas-industry-co92>

This course may be completed by the two-day course "Practising Geostatistical Simulations for Assessing Uncertainties" which gives an overview of the simulation techniques used for assessing uncertainties.

### Contact

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