



New!

Geovariances Training

Our Expertise

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

Geovariances courses cover basic and advanced Geostatistics and provide participants with plenty of hands-on practice with real mining data.

All courses are led by our highly experienced consultants.

Geovariances offers public courses around the world and throughout the year in English, French and Spanish.

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 mining geostatistics.

Leading mining and consulting companies around the world rely on Geovariances and Isatis for genuine expertise in geostatistics.

Our Trainer

Jacques Deraisme
Scientific Adviser
Principal Consultant



Jacques is a co-founder of Geovariances. After graduating as a Mining Engineer (Ecole des Mines de Nancy, 1969) he worked from 1972 to 1986 at the Centre de Géostatistique de l'Ecole des Mines de Paris where his research activities focused on stochastic and mining simulations, and from where he obtained his PhD in 1978. Jacques has worked for Geovariances since 1986 and conducted many geostatistical studies for mining and oil companies. He has led numerous training sessions in applied geostatistics.

MULTIVARIATE NON-LINEAR RESOURCE EVALUATION

3-day course

Several innovative multivariate non-linear algorithms are being made available to all Isatis users in Isatis version 10 (to be released late first or early second quarter 2010) and extend non-linear techniques to the multivariate case. They include:

- **Multivariate Uniform Conditioning** which allows the estimation of recoverable resources of a secondary mineral according to a cut-off applied to the main economic mineral.
- **Direct Block Simulation** which opens new opportunities for applying simulations thanks to an outstanding reduction in computing time.

These new algorithms result from the M2RC project (Multivariate Recoverable Resource Consortium) - More info at <http://www.geovariances.com/en/scientific-innovation-multivariate-recoverable-resources-consortium-ar205>.

This course deals with the **extension of change of support model (discrete gaussian model) to multivariate case** and its application to:

- Global recoverable resource calculation,
- Local recoverable resources estimation by Uniform Conditioning,
- Direct block simulation with turning bands methods.

Key features

- Fundamental multivariate non-linear geostatistics concepts,
- Demonstrations and examples using Isatis.

Who should attend

Resource and exploration geologists and mining engineers involved in feasibility studies or medium to long term planning.

Course contents

- **Day 1** Reminders on non-linear geostatistics
Gaussian Anamorphosis
Support Correction
Information Effect
- **Day 2** Multivariate Uniform Conditioning
- **Day 3** Direct Block Simulations used in the framework of the Discrete Gaussian Model

Prerequisites

Prior knowledge of non linear geostatistics (anamorphosis, simulations) is recommended.

On-line registration

<http://www.geovariances.com/en/mining-multivariate-non-linear-resource-evaluation-co624>

Contact

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