



## Geovariances

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

Courses cover basic and advanced features and provide participants with plenty of hands-on practice on real datasets.

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.

## Kartotrak

Leading companies and consultancies around the world rely on Geovariances for genuine expertise in geostatistics.

**Kartotrak**, is the first all-in-one geostatistics-based software dedicated to the characterization of radio-contaminated sites. It provides an integrated workflow from in-situ characterization to final control after remediation.

## Our Trainers

### Yvon Desnoyers

Yvon Desnoyers joined Geovariances in 2008 as a consultant, after graduating from the Ecole des Mines de Nancy with a diploma of engineer.

He is achieving a PhD thesis at the Centre de Géostatistique of Mines ParisTech dedicated to geostatistical characterization of radiological contaminations in nuclear facilities in partnership with the French Atomic Energy Commission CEA.

### Claire Fauchoux

Claire joined Geovariances in 2010. Graduated from the École Nationale Supérieure d'Agronomie de Rennes – France with a diploma of agronomic engineering and a speciality in applied statistics, she spent more than two years within the Geostatistical team of Mines ParisTech as a research assistant.

Claire is mainly involved in Environmental consulting projects and trainings and also takes part in Isatis technical support and documentation.

# Geovariances Training

## KARTOTRAK ESSENTIALS - FROM SAMPLING PLAN PREPARATION TO RISK ANALYSIS - 2-day course

### Objective

This course will teach you how to use Kartotrak for a complete radio-contaminated soil characterization, from sampling campaign design to contamination mapping and risk assessment.

At the end of the course, you will be familiarized with Kartotrak main concepts and functionalities: multi-level database, connectivity features for real time data acquisition, GIS (Geographical Information System)-based display window for data positioning and visualization, exploratory data analysis for data validation and quality control, geostatistics processing with kriging for mapping and uncertainty quantification, reporting.

### Key Features

The course is based on computer exercises to ensure an efficient learning of concepts. Attendees will practice either alone or by groups of two people and will keep a copy of their Kartotrak project at the end of the course (database, project, workflow).

### Who should attend

This course is aimed at engineers, project leaders or decision-makers involved in nuclear remediation projects. No prior knowledge in geostatistics is assumed.

### Course contents

#### Day 1

- Introduction to radiological characterization
- Kartotrak organization  
Concepts and objects | GIS functionalities and map window | Data acquisition and validation | Sampling plan preparation

#### Day 2

- Mapping the contamination using the Geostatistical analysis module  
Practical introduction to geostatistics for contamination mapping | Exploratory data analysis | Mapping (kriging) | Risk analysis
- Visualization of results and identification of areas requiring further action
- Reporting
- Open Discussion

### On-line registration

<http://www.geovariances.com/en/environment-kartotrak-essentials-from-sampling-plan-preparation-to-risk-analysis-co681>

### Contact

Jean-Jacques Péraudin - Sales Manager Environment  
+33 1 6074 9099  
[peraudin@geovariances.com](mailto:peraudin@geovariances.com)

