

## PUBLICATIONS

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### PhD thesis:

Desnoyers, Y. 2010. Approche méthodologique pour la caractérisation géostatistique des contaminations radiologiques dans les installations nucléaires. Thèse de Doctorat en Géostatistique, Mines ParisTech.

### Refereed Journals or Conference Proceedings:

**Desnoyers Y.** (2015) Sampling considerations for characterization of radioactive contamination using geostatistics. In *Proc. of World Conference on Sampling and Blending*, Bordeaux, France.

Faucheux C., **Desnoyers Y.**, Jefferies N., Teasdale I., Cruickshank J. (2015) Geostatistics improvements for Sellafield contaminated soils and groundwater modelling. In *Proc. of Global 2015*, Paris, France.

Chautru J.-M., **Desnoyers Y.**, Jefferies N., Jackson P., Teasdale I., Cruickshank J. (2015) Improvements with geostatistics for lithology representative fields and flow models at Sellafield site. In *Proc. of AquaConSoil 2015*, Copenhagen, Denmark.

**Desnoyers Y.**, Dubot D. (2014) Characterization of radioactive contamination using geostatistics. *Nuclear Engineering International*. Volume 59, No. 716, March 2014, Pages 16-18. Sidcup, United Kingdom.

Lidar P., Larsson A., **Desnoyers Y.** (2014) Geostatistical characterisation of contaminated metals: methodology and illustrations. In *Proc. of Symposium on Recycling of Metals arising from Operation and Decommissioning of Nuclear Facilities*, Studsvik, Sweden.

Bechler A., Romary T., Jeannée N., **Desnoyers Y.** (2013) Geostatistical sampling optimization of contaminated facilities. In *Stochastic Environmental Research and Risk Assessment: Volume 27, Issue 8 (2013)*, Pages 1967-1974.

Himeur N., **Desnoyers Y.**, Dubot D. (2013) Sampling optimization for the characterization of a drum disposal legacy site, in *Proc. of DEM 2013 congress*, in press, Avignon, France.

Pombet D., **Desnoyers Y.**, Aggarwal S., Charters G. (2013) Destructive testing: dry drilling operations with TruPro® system to collect samples in a powder form, from a hull containing sludge immobilised in a hydraulic binder, in *Proc. of DEM 2013 congress*, in press, Avignon, France.

**Desnoyers Y.**, Dubot D. (2012) Data analysis for radiological characterisation: Geostatistical and statistical complementarity, in *Proc. Of DD&R 2012 congress*, Chicago, USA.

**Desnoyers Y.**, De Moura P. (2011) Characterization of a deep radiological contamination: integration of geostatistical processing and historical data, in *Proc. of ICEM 2011 congress*, in press, Reims, France.

**Desnoyers Y.**, Dubot D. (2011) Geostatistical methodology for waste optimization of contaminated premises, in *Proc. of ICEM 2011 congress*, in press, Reims, France.

**Desnoyers Y.**, Dubot D. (2011) Near real-time characterization of radio-contaminated soils in France: Challenges and Methods, in *Proc. of Conference on Waste Management, Decommissioning and Environmental Restoration for Canada's Nuclear Activities*, in press, Toronto, Canada.

**Desnoyers Y.**, Chilès J.-P., Dubot D., Jeannée N., and Idasiak J.-M. (2010), Geostatistics for radiological evaluation: study of structuring of extreme values, in *Stochastic Environmental Research and Risk Assessment: Volume 25, Issue 8 (2011)*, Page 1031-1037 and in *Proc. of GeoENV 2010 congress*, Gent, Belgium.

**Desnoyers Y.**, Chilès J.-P., Jeannée N., Lamadie F. and Dubot D. (2009), Geostatistical sampling optimization and waste characterization of contaminated premises, in *Proc. of Global 2009 congress*, in press, Paris, France.

Jeannée N., **Desnoyers Y.**, Lamadie F., Iooss B. (2008), Geostatistical sampling optimization of contaminated premises. Int. Conf. on Decommissioning Challenges: An Industrial Reality?, in *Proc. of DEM 2008 congress*, in press, Avignon, France.

### Other conference proceedings:

**Desnoyers Y.**, Dubot D. (2013) Radiological and physical characterization of accident damaged facilities in France, in *Proc. Of International Experts' Meeting on Decommissioning and Remediation after a Nuclear Accident*, Vienna, Austria.

**Desnoyers Y.**, Dubot D. (2012) Data analysis for radiological characterisation: Geostatistical and statistical complementarity, in *Proc. Of Workshop on Radiological Characterisation for Decommissioning*, Studsvik, Sweden.

Dubot D., **Desnoyers Y.**, de Moura P., Attiogbe J., Jeannée N., Péraudin J.-J., Characterization of radio-contaminated soils in France: challenges and outcomes, in *Int. Conf. Intersol'2010*, Paris, France.

**Desnoyers Y.**, Evaluation de pollutions de structures de génie civil par les méthodes géostatistiques, *Séminaire CETAMA « Echantillonnage et caractérisation II »*, 27-29 avril 2010, Montpellier, France.

**Desnoyers Y.**, Chilès J.-P., Dubot D., Jeannée N., and Idasiak J.-M. (2010), Geostatistics for radiological evaluation and risk analysis of contaminated premises, *DD&R 2010 congress*, Idaho Falls, USA.

**Desnoyers Y.**, Chilès J.-P., Jeannée N., Idasiak J.-M., Dubot D. (2009), Geostatistical methods for radiological evaluation and risk analysis of contaminated premises, *International Symposium "Nuclear energy" - Sien 2009*, Bucharest.

De Moura P., Faure V., Attiogbe J., Dubot D., Jeannée N., **Desnoyers Y.** (2009), Cleansing methodology of sites and its applications. *International Symposium "Nuclear energy" - Sien 2009*, Bucharest.

### **Posters:**

Attiogbe J., Dubot D., Jeannée N., **Desnoyers Y.** (2009), KARTOTRAK: a GIS platform for real-time characterization of radiological contaminations, *presented at StatGIS 09 "GeoInformatics for Environmental Surveillance"*, Milos Island, Greece.