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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.

Contribution to collaborative reports, guides and standards

OECD/NEA - Working Party on Decommissioning and Dismantling (2017) *Radiological Characterisation from a Waste and Materials End-State Perspective* (www.oecd-nea.org/rwm/pubs/2017/7373-rad-char-pers.pdf)

ISO 18557:2017 *Characterisation principles for soils, buildings and infrastructures contaminated by radionuclides for remediation purposes* (www.iso.org/standard/62879.html)

CETAMA working group n°10 (2017) *Évaluation de l'état radiologique initial et final d'une installation nucléaire en situation d'assainissement* (CEA-R-6455 | ISSN 0429-3460)

EPRI (2016) *Guidance for Using Geostatistics in Developing a Site Final Status Survey Program for Plant Decommissioning* (www.epri.com/#/pages/product/3002007554/)

CETAMA working group n°10 (2014) *Soil Radiological Characterization Methodology* (CEA-R-6386 | ISSN 0429-3460)

OECD/NEA - Working Party on Decommissioning and Dismantling (2013) *Radiological characterisation for decommissioning of nuclear installations* (www.oecd-nea.org/rwm/docs/2013/rwm-wpdd2013-2.pdf)

Selection of refereed journals and conference proceedings

Desnoyers Y., Da Costa M., Magnin M., Lerat V. (2017) Updated radiological inventory of G1 reactor thanks to a strengthened data processing. In *Proc. of Waste Management 2017 Conference*, Phoenix, Arizona, USA.

Fichet P., Mougél C., **Desnoyers Y.,** Sardini P., Word H. (2017) New developments of autoradiography technique to improve alpha and beta measurements for decommissioning facilities. In *Proc. of Workshop on Current and Emerging Methods for Optimising Safety and Efficiency in Nuclear Decommissioning*. Halden, Norway.

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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.

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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.

- Desnoyers Y.**, Dubot D. (2014) *Importance des données pour les cartographies géostatistiques de contaminations radiologiques*. Spectra ANALYSE n° 296 • Janvier - Février 2014
- 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 two hulls containing immobilized waste in a hydraulic binder. In *Proc. of ICEM 2013 congress*, Brussels, Belgium.
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- Desnoyers Y.**, Dubot D. (2012) Data analysis for radiological characterisation: Geostatistical and statistical complementarity. In *Proc. Of DD&R 2012 congress*, Chicago, USA.
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- Desnoyers Y.**, Dubot D. (2011) Geostatistical methodology for waste optimization of contaminated premises. In *Proc. of ICEM 2011 congress*, 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*, Toronto, Canada.
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- ## Oral communications during conferences
- Lemarchand O., **Desnoyers Y.** (2016) Kartotrak, une solution logicielle intégrée pour la caractérisation radiologique. In *Proc. of 5e Forum européen de radioprotection*, ATSR, La Grande Motte, France.
- Cruickshank J., **Desnoyers Y.**, Fauchoux C., Jefferies N., Teasdale I. (2016) Using geostatistics to improve understanding of contaminated land legacies – a case study at Sellafield. In *Proc. of International Conference on Advancing the Global Implementation of Decommissioning and Environmental Remediation Programmes*, IAEA, Madrid, Spain.
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- Desnoyers Y.**, Attiogbe J., Crabol B., Dubot D. (2008), Optimisation des stratégies d'échantillonnage pour les caractérisations radiologiques de sites et sols pollués, 24ième congrès ATSR, Aix en Provence, France.

Posters during conferences

- Desnoyers Y.** (2016) Geostatistics for radiological characterization: Sampling optimisation, data interpretation and risk analysis. Poster presented at *International Conference on Advancing the Global Implementation of Decommissioning and Environmental Remediation Programmes*, IAEA, Madrid, Spain.
- Attiogbe J., Dubot D., Jeannée N., **Desnoyers Y.** (2009), KARTOTRAK: a GIS platform for real-time characterization of radiological contaminations. Poster presented at *StatGIS 09 "GeoInformatics for Environmental Surveillance"*, Milos Island, Greece.