



Expert in Radiological Characterization

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LIST OF PUBLICATIONS

Last update: October 2021

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

INSIDER H2020 Project: Improved nuclear site characterization for waste minimization in decommissioning and dismantling operations under constraint environment. https://insider-h2020.eu/results/#sampling_strategy

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

Boden S., Rogiers B., **Desnoyers Y.**, Pérot N., von Oertzen G., Sevbo O. and Demeyer S. (2021) STRATEGIST, a data analysis & sampling design web tool. In *Proc. of DEM2021 International Conference on Decommissioning Challenges*, Avignon, France.

Desnoyers Y., Pérot N. (2021) Robustness of statistical and geostatistical approaches for the radiological characterization of soils beneath a building. In *Proc. of DEM2021 International Conference on Decommissioning Challenges*, Avignon, France.

Masoudi P., **Desnoyers Y.**, Grey M. (2021) Spatio-temporal optimization of groundwater monitoring network at Pickering Nuclear Generating Station. In *Proc. of Geostats 2021*. Toronto, Canada

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Posters during conferences

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- Courtadon A., **Desnoyers Y.**, Dubot D., Granier G., Ollivier-Dehaye C., Roudil D. (2018) Cetama working group n°10 contributions on sampling and radiological characterization. Poster presented during *DEM2018* conference, Avignon, France.
- 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.
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