

## Health Canada Environmental Monitoring Network: Laboratories and Gamma Detectors

Health Canada operates three distinct environmental networks and two radionuclide laboratories, which include an array of gamma spectroscopy systems. This presentation will provide an overview of the networks and systems. It will also present a performance comparison between several germanium-based gamma spectroscopy systems using the same set of environmental samples. The comparison includes the SNOLAB deep underground laboratory system. The presentation will demonstrate how the SNOLAB deep underground laboratory could be invaluable as a reach-back partner for sample beneficiation for ultra-low background analysis.

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