

**PhD position in urban greenhouse gas isotope geochemistry at McGill University,
Montréal, Canada**

Applications are invited for a PhD position in in urban greenhouse gas (GHG) isotope geochemistry focused on using isotope measurements of specific sources and of the atmosphere to identify changing emissions sources of carbon dioxide and methane in the Montreal metropolitan region, in the Department of Earth and Planetary Sciences at McGill University. The PhD project will be linked to a collaboration studying the distribution of atmospheric greenhouse gases in the Montreal region that includes McGill faculty in Atmospheric and Oceanic Sciences, Earth and Planetary Sciences, Natural Resource Sciences, and Geography. The successful candidate will conduct mobile surveys of GHG sources and their isotopic composition, as well as long-term atmospheric measurements of GHG concentrations and isotope ratios.

The ideal candidate should have obtained an MSc degree in the geosciences, atmospheric sciences, or environmental sciences, and should have experience with greenhouse gas, eddy covariance, or isotopic measurements. Strong applicants that do not meet these criteria will be considered.

To apply, send a single pdf file as an e-mail attachment, containing (a) a letter of application with research interests, (b) a CV, and (c) names and contact information of three references to: Dr. Peter Douglas (peter.douglas@mcgill.ca).

Timeline: Application deadline: 15th of June 2022; Start of PhD program: January 2023.