

## **CSSS\_12: Conveying Analytical Methods and Method Development in Soil and Environmental Sciences**

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### **Session Description**

At the foundation of every scientific research initiative are the methods used to analyze samples, yet, the importance of the technical aspect is often overlooked. Due to the complexity of environmental matrices (i.e. soil, groundwater and greenhouse gases), methods are required to be modified or new methods need to be developed to address new research objectives, eliminate interferences, collect representative data, and provide legitimate results. Developing methodologies requires extensive research and troubleshooting to ensure sound scientific data is reported; this process is enhanced with open discussion between researchers. This session will include research pertaining to the methods used for chemical analyses (organic and inorganic) of environmental matrices. It will be a platform to discuss projects using new applications or modifications to existing methods, new analytical methods and issues or roadblocks in Canadian environmental science. The session will also establish a network of environmental science technical expertise to engage in knowledge sharing to other technicians and graduate students pursuing a degree in environmental science.

**Primary Affiliation:** Canadian Soil Science Society (CSSS)

**Joint Session Submission:** CGU Biogeosciences