

**CSSS_05: Agricultural impact on Canada's soil and water: Modelling,
measurements and trends**

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Session Description

Agricultural production transforms many aspects of the landscape, including plant cover, nutrient cycling and hydrology. This transformation affects the functioning of the soil within the agricultural areas, as well as the off-site impacts. To maintain sustainable agricultural production while minimizing adverse effects requires knowledge of what practices are being followed on Canadian agricultural land, what their impacts are, and how this is changing over time. This session will present the latest advances in measuring and modelling the impacts of agricultural practices on soil and water, and the changes over time. This should also spur discussion on possible mitigation options, and implications for the Canadian agricultural industry.

Primary Affiliation: CSSS

Joint Session Submission: none