JOHNSON SHOYAMA
Centre for the Study of Science and Innovation Policy
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DECARBONIZING AGRICULTURE

PRESENTED AS PART OF THE *NET ZERO CARBON SERIES*

Ymène Fouli, Environmental Soil Scientist, Independent Consultant

Dr. Ymène Fouli (PhD) grew up in Tunisia where she studied geology and environmental engineering, and later attended graduate school in Scotland and in the USA where she taught and conducted research in soil science. She continued with research in nutrient management and animal farming in Maryland and Saskatchewan, and later joined a consulting firm in Alberta as an environmental scientist and project manager. She currently consults independently on water and soil quality, watershed management, and climate change.

Roland Kröebel, Research Scientist, Agriculture and Agri-Food Canada (Lethbridge)

Dr. Roland Kröebel (PhD) hails from Germany. He has a BSc in Organic Farming, switched direction to Environmental Systems Analysis for his MSc, only to return to agriculture with his PhD which focused on simulating greenhouse gas emissions. Since then he is leading the Holos model science program, a software application that is developed for Canadian farmers to test the influence of their management choices on their farm's greenhouse gas budget.

Margot Hurlbert, Canada Research Chair in Climate Change, Energy and Sustainability Policy, and Professor, Johnson Shoyama Graduate School of Public Policy

Dr. Margot Hurlbert's (PhD) research focuses on governance and climate change, energy and water; interrogating laws, policies and practices that will address both the problem of climate change and adaptation, and mitigation to the changing climate. She has participated in and led research projects focusing on aspects of governance including energy, water, agricultural producer livelihoods, drought, and flood. Hurlbert also serves as a Coordinating Lead Author, Contributing Author and Review Editor for the Intergovernmental Panel for Climate Change.

Moderated by Kevin Fenwick, Executive-in-Residence, Johnson Shoyama Graduate School of Public Policy.

Canada has committed to reducing its greenhouse gas emissions to net zero by 2050 which will require deep decarbonization in all sectors, including agriculture. Agriculture is responsible for approximately 10% of Canada's emissions. This panel explores agriculture and its emissions in Canada and specifically western Canada and what this policy and practice space might look like. Drs. Ymène Fouli, Margot Hurlbert, and Roland Kröebel search for GHG emissions estimates for Canada's major agriculture products, and review the global context for these figures. You will not want to miss this introduction to what we know about the decarbonization of agriculture and what 'carbon on your plate' might look like in the future.

This discussion series will contribute to addressing the gap between current efforts and those needed to stabilize and potentially reduce GHG emissions.

Thursday, March 18, 2021

10:30 a.m. - 12:00 p.m. | via Zoom

Questions?
Reach us at jsgs.events@uregina.ca or www.schoolofpublicpolicy.sk.ca

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