



Greenhouse Gas Management Canada

A BIOCAP-SSHRC
Human Dimensions
Research Network

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Canadian Agricultural Economics Society Société canadienne d'agroéconomie

International Policy Forum on Greenhouse Gas Management

April 28th & 29th, 2005

Victoria, British Columbia, Canada

Preliminary Program

Wednesday April 27

7:00-9:00 Wine and Cheese Reception

Thursday April 28

7:30-8:00 Continental Breakfast
8:00-8:45 Welcome
8:45-10:00 Session 1- International Policy Response
10:00-10:30 Refreshment Break
10:30-12:00 Session 2- Carbon Market Design
12:00-1:00 Lunch
1:00-2:30 Session 3- Risk Effects on Policy
2:30-3:00 Refreshment Break
3:00-4:30 Session 4- Co-Benefits of Sequestration

Friday April 29

7:30-8:30 Continental Breakfast
8:30-10:30 Session 5- Invited Speakers
10:30-11:00 Refreshment Break
11:00-12:00 Session 6- Graduate Student Presentations
12:00-1:00 Lunch
1:00-2:30 Session 7- Farm-level Impacts
2:30-3:00 Refreshment Break
3:00-4:30 Session 8- Forest Sector Response
Session 9- Canadian Agriculture and GHG Policy

Thursday April 28

Introduction Thursday April 28, 8:00-8:30

Welcome- Uof Victoria- *Dr. David Turpin, President*
BIOCAP- *David Layzell*
CAES- *Alfons Weersink*

BIOCAP Human Dimensions Research Network Activities- *Paul Thomassin*

Overview of Workshop- *Kees van Kooten*

Session 1 Thursday April 28, 8:45-10:00- International Policy Response

Global Supply for Carbon Sequestration: Geographical Distribution, Country Risk and Policy Implications

Pablo C. Benítez, Ian McCallum, Michael Obersteiner and Yoshiki Yamagata

Carbon Sequestration in Agriculture: Institutional Responses to the Kyoto Protocol in Australia, Canada, the European Union and the United States

Linda Young, Alfons Weersink, Murray Fulton and Brady Deaton

Comparison of Carbon Sequestration Policies in the European Union and Transition Countries.

Maria Nijnik, Livia Bizikova

Session 2 Thursday April 28, 10:30-12:00 Carbon Market Design

Sinks, Rate-Based Caps and Barriers to Emissions Trading

Travis Allan, Kathy Baylis

The Optimal Length of an Agricultural Carbon Contract

Sumeet Gulati and James Vercauteren

Carbon Banks- A Risk-Efficient Means to Sequester Carbon

Adeyemi Gbolahan Esuola and Alfons Weersink

Responding to Carbon Offset Credits: Simulation Results from the Cropping Sector of Quebec

Hugues Morand and Paul J. Thomassin

Session 3 Thursday April 28, 1:00-2:30 - Risk Effects on Policy

Carbon sequestration in agricultural soils: discounting for uncertainty

Lyubov A. Kurkalova

Poverty, Risk and the Adoption of Soil Carbon Sequestration

Joshuan Graff-Zivin and Leslie Lipper

Uncertainty Discounting for Land-Based Carbon Sequestration.

Tanveer Butt, Bruce A. McCarl, Man-Keun Kim

Agricultural soil carbon sinks and the design of a domestic emissions trading scheme

Rick Barichello

Session 4 Thursday April 28, 3:00-4:30 - Co-Benefits of Sequestration

The designation of co-benefits and its implication for policy: water quality versus carbon sequestration in agricultural soils

Silvia Secchi, Manoj Jha, Lyubov Kurkalova, Hongli Feng, Philip Gassman, and Catherine Kling

Ancillary Benefits from Green House Gas Mitigation Strategies in Agriculture: The Case of Water Quality in the Okanagan Valley of British Columbia

Mario Anda and Sumeet Gulati

The Consequences of Co-benefits for the Efficient Design of Carbon Sequestration Programs

Hongli Feng Catherine L. Kling

Spatial Targeting of Conservation Tillage to Improve Water Quality and Carbon Sequestration Benefits

Wanhong Yang, Chaodong Sheng and Paul Voroney

Friday April 29

Session 5- Invited Speakers Friday April 29, 8:30-10:30

Science and Environmental Policymaking: Bias-Proofing the Assessment Process

Ross McKittrick

Developing a Carbon Sequestration Program in the United States: Recognizing Diversity

Ken Richards

Primary Sectors and Climate Mitigation: A Reality Check

G. Cornelis van Kooten

Session 6- Graduate Student Presentations Friday April 29, 11:00-12:00

Analysing investment opportunities to create carbon sinks on marginal agricultural land: a real option approach

Simon Jetté-Nantel

Willingness to accept for tree planting programs

Lili Sun

Cost-effectiveness of GHG mitigation strategies for PEI potato farms

John Jatoe

Integrating renewable power into electrical grids

Julia Hui

Session 7 Friday April 29, 1:00-2:30- Farm Level Impacts

Climate Change and the Economics of Farm Management in the Face of Land Degradation:
Dryland Salinity in Western Australia

Michele John, Dave Pannell, and Ross Kingwell

Net Greenhouse Gas Emissions and the Economics of Annual Crop Management Systems

Tony Samarawickrema, and Ken Belcher

Economic Analysis of Productivity and Efficiency Gains from a Long-Term Soil Organic Matter
Buildup in Cotton Management Systems

Krishna P. Paudell and Luanne Lohr

Farm-Level Greenhouse Gas Mitigation Impacts

Elwin G. Smith and Richard Carew

Session 8 Friday April 29, 3:00-4:30- Forest Sector Response

The Dynamic Competitiveness of U.S. Agricultural and Forest Carbon Sequestration.

Dhazn Gillig, Heng-Chi Lee, Bruce A. McCarl

Economic Potential of Afforestation In Canada For Medium- and Fast -Growing Plantations

Denys Yemshanov, Daniel McKenney, Terry Hatton and Glenn Fox

Economics of Biomass Energy: What Do We Do with Beetle Wood?"

Brad Stennes

Boreal Forest Carbon Sequestration Strategies: A Case Study of Little Red River Cree First
Nation Land Tenures

Emina Krcmar and G. Cornelis van Kooten

Session 9 Friday April 29, 3:00-4:30- Canadian Agriculture and GHG Policy

Optimal Agricultural Carbon Sequestration Research Paper

Timothy John Colwill

Factors leading to the implementation of Beneficial Management Practices for manure
management on Canadian hog operations.

Diep Le and Martin S. Beaulieu

Condensed Tannin Alfalfa and Potential for Methane Reduction in Ruminant Animals in
Canadian Agriculture: Ex Ante Bioeconomic Analysis

Edmund K. Mupondwa

Agriculture's Likely Role in Meeting Canada's Kyoto Commitments.

Alfons Weersink, Dave Pannell, Murray Fulton, and Andreas Meyer-Aurich