

International Workshop on Wetlands Management, Economics and Policy *Hotel Grand Pacific, Victoria B.C., 13-15, January 2010*

The event organizers would like to acknowledge and thank the following sponsors for their generous support:

ERCA - LEARN
Enabling Research for Competitive Agriculture -
Linking Environment and Agriculture Research Network



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada

Canada

PROGRAM

Wednesday, January 13, 2010

ERCA Meeting: 5:00 – 7:30pm

North Pender Island Ballroom

Registration: 6:00 – 7:00 pm

South Pender Island Ballroom

Reception: 7:00 – 10:00 pm (*wine and cheese*)

Thursday, January 14, 2010

South Pender Island Ballroom

7:00–8:15 *Continental Breakfast*

8:15–8:30 *Opening Remarks*

Welcome: **G. Cornelis van Kooten**, University of Victoria

David Scoones, Chair, Department of Economics, University of Victoria

8:30–10:00 *Plenary Session I: Wetlands in Crisis: Science*

Chair: **C. Edwards**, Ducks Unlimited Canada

Hydrology, Climate and the Threat to Wetlands

G. van der Kamp, Environment Canada

Wetlands and Invasive Species Management

L. Fernandez, University of California, Riverside

Wetland Science for Policy Change

S. Gabor, Ducks Unlimited Canada

10:00–10:30 *Refreshment break*

10:30–12:00 *Concurrent Sessions*

Wetlands in Crisis: Economic Analysis

South Pender Island Ballroom

Chair: **P. Withey**, University of Victoria

Prairie Riparian Economics - Critical Areas Surrounding Wetlands

S. Jeffrey, **J. Unterschultz**, B. Dollevoet and S. Koeckhoven, University of Alberta

The Economics of Wetland Drainage and Retention in Saskatchewan

B. Cortus, **S. Jeffrey**, J. Unterschulz and P. Boxall, University of Alberta

The Effect of Crop Prices and Wetland Policy on Saskatchewan NAWMP Implementation Goals

A. de Laporte, University of Guelph

Waterfowl Harvest and Consumption: Project Climate Impacts and Adaptation Strategies

E. Krcmar and Ann Chan-McLeod, University of British Columbia; G.C. van Kooten, University of Victoria

Wetlands in Crisis: EGS and Land Use

Galiano Room 233

Chair: **M. Weber**, Alberta Research Council

Overview of water value in forest ecosystems

K. Niquidet, Canadian Forest Service

Non-Market Values of Ecosystem Services in the Cape Breton Highlands National Park

H. Craig, NSCC and Parks Canada

Agricultural Land Use Change in Prairie Canada: Implications for Waterfowl Habitat Conservation on Private Lands

B. Rashford, C. Bastian and J. Cole, University of Wyoming

Bioeconomic Modelling of Wetlands and Waterfowl in Western Canada: How much protection is warranted?

G.C. van Kooten And L.Wong, University of Victoria; E. Krcmar, University of British Columbia

12:00–13:30 Lunch *break*

South Pender Island Ballroom

13:30–15:00 Plenary *Session II: Wetlands in Crisis: Economics*

Chair: **L. Fernandez**, University of California, Riverside

South Pender Island Ballroom

Estimates of the Economic Values of Wetland Restoration and Retention Programs in Southern Manitoba

P. Boxall, University of Alberta (presented by **Vic Adamowicz**, University of Alberta)

Wetland Creation – The Role of Spatial Coordination and Network Structure

F. de Vries, N. Hanley and A. Kleczkowski, University of Stirling

Wetlands Valuation: Challenges and New Perspectives

V. Adamowicz, University of Alberta

15:00–15:30 Refreshment *break*

South Pender Island Ballroom

15:30–17:00 *Concurrent Sessions*

Wetlands in Crisis: Payments for EGS

Chair: **S. Jeffrey**, University of Alberta

South Pender Island Ballroom

An Evaluation of Wetland and Riparian Conservation Payments

J. Yu and K. Belcher, University of Saskatchewan

Economic Incentives and the Sustainance of Prairie Wetlands - Perspectives of a Policy Evaluator

C. Grant, University of Manitoba and J. Mann, Queen's University

Price Discovery Mechanisms for Providing Ecological Goods & Services from Wetland Restoration: An Examination of Reverse Auctions

P. Boxall, **K. Packman**, M. Weber, and A. Samarawickrema, University of Alberta; W. Yang, University of Guelph

Valuing Wetland Ecosystem Services in a Mixed-Land Use Setting

M. Bellenger and A. Herlihy, Oregon State University

Wetlands in Crisis: Coastal Wetlands

Chair: **E. Krcmar**, University of British Columbia

Galiano Room 233

Gulf of Mexico Coastal Wetlands, Ecosystem Services, and Human Well-Being

V. Engle, L. Smith and K. Summers, U.S. Environmental Protection Agency, FL

Allocating Land to an Ecosystem Service: Nutrient Retention in the Chesapeake Bay Watershed
R. D. Simpson, National Center for Environmental Economics, USEPA

Prioritizing Wetland Restoration Decisions in the Delta States
S. Kim and S.-H. Cho, University of Tennessee

The Impact of the Clean Water Act in the San Francisco Bay Area
M. Cragg and **C. Polek**, The Brattle Group; S. Polasky, University of Minnesota

19:00–22:00 *Conference Dinner* **South Pender Island Ballroom**
Guest Speaker: **Michael Hill**, Ducks Unlimited Canada, “Reverse Auctions for Wetland Restoration”

Friday, January 15, 2010

7:15–8:30 *Continental Breakfast* **South Pender Island Ballroom**

8:30–10:00 *Concurrent Sessions*

Wetlands in Crisis: Policy – the big picture **South Pender Island Ballroom**
Chair: **J. Unterschultz**, University of Alberta

A New Era for U.S. Agricultural Policy: Incorporating Environmental, Renewable Energy and Greenhouse Gas Reducing Policy Goals
J. Lehman, Appalachian State University

U.S. Wetland Policy - A Case Study for the Conservation and Management of Wetlands within the Canadian Provinces of Alberta and British Columbia
K. Garnet, AMEC Earth and Environment

The Role of Wetland Definition in Effective Wetland Conservation Policy
P. Farnese, University of Saskatchewan; A. De Laporte and A. Weersink, University of Guelph; K. Belcher, University of Saskatchewan

A Proposed Analytical Framework for Integrating EG&S in Policy Decisions
L. Leigh, Environmental Policy Analysis and Valuation, Environment Canada

Wetlands in Crisis: Science-Policy Linkages **Galiano Room 233**
Chair: **G. van der Kamp**, Environment Canada

Hydrological connectivity as basis of sound wetland management
I. Creed, G. Sass and D. Mcleod, University of Western Ontario; S. Bayley, University of Alberta
(presented by **L. Foote**, University of Alberta)

Wetlands for Nutrient Removal and Bioenergy Production – Can harvesting cattails effectively remove stored nutrients from the watershed?
R. Grosshans, N. Cicek, G. Goldsborough, D. Wrubleski, H. Venema and E. Bibeau, University of Manitoba

Regulating water pollution with wetlands restoration within the WFD context
F. Destandau, GSP, UMR Cemagref-Engées; **E. Martin**, CESAER UMR INRA - Agrosup Dijon; A. Rozan, GSP, UMR Cemagref-Engées

The Application of Remote Sensing and GIS to Quantify Wetland Impacts in Prairie Canada.
L. Boychuk, Ducks Unlimited Canada

10:00–10:30 *Refreshment break*

10:30–11:45 *Concurrent sessions*

Wetlands in Crisis: Policy Instruments

South Pender Island Ballroom

Chair: **G.C. van Kooten**, University of Victoria

Towards an ecosystem-based wetland compensation scheme for Alberta

M. Weber and **A. Hüennemeyer**, Alberta Research Council; S. Clare, N. Krogman and L. Foote, University of Alberta; N. Lemphers, Pembina Institute, MIT

Watershed-scale modeling for examining the impacts of wetland restoration in prairie watersheds
W. Yang, University of Guelph

The Policy Failures of Avoidance in Wetland Policy

S. Clare, **N. Krogman** and L. Foote, University of Alberta; N. Lemphers, Pembina Institute, MIT

Wetlands in Crisis: Protecting Wetlands across the Globe

Galiano Room 233

Chair: **K. Niquidet**, Canadian Forest Service

Policy-Relevant Wetlands Valuation at the Local, Regional, and National Level

M. Mazzotta, University of Rhode Island; L. Wainger, University of Maryland; V. Engle, U.S. Environmental Protection Agency, FL

Ratification to Ramsar Convention a Quest for Sustainable Management ? a Situation analysis of the Kilombero valley Wetlands in Tanzania

F. Mombo, J. Hella and M. Pantaleo, Sokoine University of Agriculture, Tanzania

Estimating the Willingness to Pay for the Preservation of the Alfred Bog in Eastern Ontario

P. Thomassin, McGill University

Discussant: O. Salako, RMRDC, Nigeria

12:00–13:30 *Lunch break*

South Pender Island Ballroom

13:30–15:00 *Panel Discussion: Wetlands in Crisis: What now?*

South Pender Island Ballroom

15:00–15:15 *Discussion regarding publication of papers*