

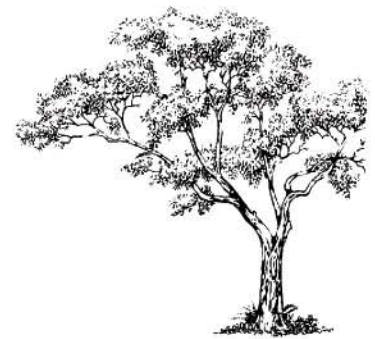
AERE 2013 Banff

AERE 3rd Annual Summer Conference June 6–8, 2013

The Banff Centre
Banff, Alberta, Canada

With sponsored sessions focused on

**Mixing Oil and Water:
The Nexus between Energy
and Water Resources**



Association of Environmental and Resource Economists



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Co-Chair, Ujjayant Chakravorty, Tufts University
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Graduate Student Sessions: Brian Murray, Duke University

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Virginia Tech, Department of Agricultural and Applied Economics



Alan Krupnick

Welcome to the third annual AERE summer conference in the spectacular Canadian Rockies! These conferences have exceeded our expectations as a place for presenting and debating exciting research—The Banff conference promises to be this year’s professional and social highlight! I wish all attendees a wonderful time.

I also want to express my deep appreciation to our Banff Conference organizing committee, co-chaired by Vic Adamowicz and Ujjayant Chakravorty, with support from Carolyn Fischer and Brian Murray, who have put together an outstanding program of selected papers, sponsored sessions, and a pre-conference workshop. Be sure to thank them for their many hours of effort. Also, please take time to check out the sessions that target graduate students. Join me in welcoming these new faces to our association and profession. Finally, a huge thank you is owed to the sponsors of our meetings. Without their contributions, our program would be much more limited.

—Alan Krupnick, AERE President

Welcome to Banff! We look forward to a thought provoking and stimulating conference with papers presented on a wide range of topics in environmental and natural resource economics. This year’s theme is “Mixing Oil and Water: The Nexus between Energy and Water Resources”-highlighting critical issues facing society today. We hope that this year’s idyllic setting in the Canadian Rockies will lead to a lively and engaging discussion on the cutting edge research and policy issues in the field of environmental and resource economics.



Vic Adamowicz

This conference takes a great deal of organization. It would not be possible without the assistance of several people putting in countless hours of work. We would like to thank our colleagues on the Organizing Committee-Carolyn Fischer (sponsored sessions) and Brian Murray (graduate student sessions) for their excellent work on all aspects of the program as well as their special sessions. We would also like to thank Susanne Dieper and Lynn van Norstrand (of VanDer Management), Juha Siikamaki (Treasurer), Alan Krupnick (President) and Cathy Kling (Past President) for their support. And in particular, we would like to thank Martino Pelli and Marilyn Voigt, without whom managing this complex process would not have been possible. Finally we thank the AERE Board for the opportunity to organize the conference and to host AERE 2013.



Ujjayant Chakravorty

-Vic Adamowicz and Ujjayant Chakravorty
Co-Chairs of the Third Annual
AERE Summer Conference 2013

AERE gratefully acknowledges the funding provided for this conference by:



**CENTRE FOR APPLIED BUSINESS RESEARCH
IN ENERGY AND THE ENVIRONMENT**

ENVIRONMENT CANADA ECONOMICS AND
ENVIRONMENTAL POLICY NETWORK



The National Oceanic and Atmospheric Administration
U.S. Department of Commerce



Economic Research Service
U.S. Department of Agriculture



The Center for Agricultural and Rural Development
Iowa State University, Ames, Iowa

Keynote speaker: Professor James Salzman

Duke University and the Nicholas School for the Environment



Jim Salzman holds joint appointments at Duke University as the Samuel Fox Mordecai Professor of Law at the Law School and as the Nicholas Institute Professor Environmental Policy at the Nicholas School of the Environment. In more than eight books and seventy articles and book chapters, his broad-ranging scholarship has addressed topics spanning trade and environment conflicts, drinking water, environmental protection in the service economy, wetlands mitigation banking, and the legal and institutional issues in creating markets for ecosystem services.

A dedicated classroom teacher and colleague, Salzman has twice been voted Professor of the Year by students at Duke's School of the Environment and received two Blueprint Awards from the Law School for institutional service. He has lectured on environmental policy in

North and South America, Europe, Asia, Australia and Africa. He has served as a visiting professor at Yale, Stanford, and Harvard (as the Leo Gottlieb Visiting Professor) as well as at Macquarie (Australia), Lund (Sweden), and Tel Aviv (Israel) Universities and the European University Institute (Italy). He has given distinguished lectures at Florida State, Wyoming, Pace and Lewis & Clark (invited for 2013).

An honors graduate at Yale College and Harvard University, Salzman was the first Harvard graduate to earn joint degrees in law and engineering and was named a Sheldon Fellow upon graduation. He has both government and private sector work experience. Prior to entering academia, he worked in Paris in the Environment Directorate of the Organization for Economic Cooperation and Development (OECD) and in London as the European Environmental Manager for Johnson Wax. His honors include election as a Fellow of the Royal Geographical Society, as well as appointments as a McMaster Fellow and Fulbright Senior Scholar in Australia and as a Bren Fellow at the Bren School of Environmental Science & Management, University of California, Santa Barbara.

He has published four casebooks, including *International Environmental Law and Policy*, Foundation Press (with D. Zaelke and D. Hunter, 1998, 4th ed. 2010), the leading casebook in the field with adoptions at over 200 schools. His articles have appeared in the *Penn Law Review* and law reviews at Stanford University, New York University, and other legal scientific and popular journals. A national survey of environmental law professors has voted his work among the top articles of the year on six separate occasions. Salzman is active in the fields of practice and policy, serving as a Member of the Trade and Environment Policy Advisory Committee, a government-appointed body providing counsel to the EPA Administrator and U.S. Trade Representative on trade and environment issues, as well as advising several environmental non-profits.

His most recent book, *Drinking Water: A History*, was praised as a "Recommended Read" by *Scientific American* and excerpted in *Natural History*.

KEYNOTE ADDRESS: "DRINKING WATER: A HISTORY"

Friday, June 7
10:30-11:15 a.m.

Location: Kinnear Centre 101/103/105

SCHEDULE AT A GLANCE

Wednesday		Registration / Professional Development Centre																													
7:00am-8:30am	Workshop Breakfast / Vistas Dining Room (Sally Borden Building, 4th Floor)																														
8:00am-1:00pm	Registration KC 101																														
8:30am-5:00pm	Workshop, <i>Recent Advances in Program and Policy Evaluation</i> , with Paul Ferraro and Dan Millimet, KC 101																														
5:30pm-8:00pm	Registration KC 100 Galleria																														
7:00pm-9:00pm	Welcome Reception KC 103/105																														
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5:30pm-8:30pm	AERE Board Meeting / KC 208 (Invitation Only)																														

Conference Breakfast / Vistas Dining Room (Sally Borden Building, 4th Floor)										
7:00am-8:30am	Registration / KC 100 Galleria									
8:00am-1:00pm	KC 101	KC 103	KC 105	KC 201	KC 203	KC 205	KC 206	KC 210	KC302	KC 306
8:30am-10:00am (Parallel Session 4)	Climate and Trade Policies	SPONSORED SESSION I The Deepwater Horizon Spill	Electricity	Agriculture and Emissions	Fisheries Behavior	Valuation I	Topics in Public Goods	Deforestation	Experiments	Climate Policy
10:00am-10:30am	Break / KC 100 Galleria									
10:30am-12:00pm (Parallel Session 5)	Climate Change and International Cooperation	SPONSORED SESSION II Energy and Water: Quantifying the Impact	A US Carbon Tax in Broader Fiscal Reform	Bioenergy	Fisheries	Valuation II	Managing the Blessings and Curses of Exhaustible Resources	Forestry	Ecolabels and Voluntary Mechanisms	Electricity Demand
12:00pm-1:30pm	Lunch / Vistas Dining Room (Sally Borden Building, 4th Floor)									
1:30pm-3:00pm (Parallel Session 6)	Climate Policy and Carbon Leakage	SPONSORED SESSION III Extreme Home Makeover: Contamination Addition	Ecosystem Services and Markets	Topics in Spatial Economics	Energy Conservation	Valuation III	Weather			Emission Policies
3:00pm-3:30pm	Break / KC 100 Galleria									
3:30pm-5:00pm (Parallel Session 7)	Climate Policy and Renewable Energy	SPONSORED SESSION IV Oil Rigs and Big Rigs: North American Environmental Issues	Ecosystems	Environmental Econometrics	Energy Efficiency	Valuation IV				

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General Information on all Sessions

All sessions are 90 minutes each. General Sessions typically include four papers. Each presenter will have 15-18 minutes, followed by 2-4 minutes of audience questions and feedback. **No presentation (including questions) can exceed 22 minutes**-this will be strictly enforced by the session chair.

Sessions with fewer than 4 papers must also follow this format-a maximum of 22 minutes per paper.

This will allow audience members to move between sessions after one paper is completed and be able to see another paper start at about the same time in another session. To further enable this movement between sessions, papers should be presented in the order they appear in the program. Sponsored Sessions offer only two papers, each with 25 minutes for presentation, 10 minutes for a discussant, and 10 minutes for audience questions. Graduate Student Sessions have three papers, each with 20 minutes for presentation, 5 for discussant, and 5 for audience questions.

WEDNESDAY, 5 JUNE 2013

5:30-7:00 **REGISTRATION** Professional Development Centre

THURSDAY, 6 JUNE 2013

7:00-8:30 **WORKSHOP BREAKFAST** Vistas Dining Room (Sally Borden Bldg, 4th Floor)

8:00-1:00 **REGISTRATION** KC 101

8:30-5:00 **PRE-CONFERENCE WORKSHOP** KC 101
Recent Advances in Program and Policy Evaluation
Paul Ferraro, Georgia State University
Dan Millimet, Southern Methodist University

5:30-8:00 **REGISTRATION** KC 100 Galleria

7:00-9:00 **WELCOME RECEPTION** KC 103,105

FRIDAY, 7 JUNE 2013

7:00-8:30 **Conference Breakfast** Vistas Dining Room (Sally Borden Bldg, 4th Floor)

7:30-3:30 **REGISTRATION** KC 100 Galleria

08:30-10:00 **PARALLEL SESSION 1**

8:30-10:00 **GRADUATE STUDENT SESSION I** Room KC 103
FORESTRY AND ECOSYSTEM SERVICES
Chairperson: Brian Murray, Duke University

**ASSESSING THE EFFECTIVENESS OF THE COMMUNITY
FOREST CONCESSIONS IN GUATEMALA'S MAYA BIOSPHERE
RESERVE: A MATCHED DIFFERENCE-IN-DIFFERENCES APPROACH**

Presenter: Lea Fortmann, The Ohio State University (OSU)

Discussant: Ruben Lubowski, Environmental Defense Fund

**CASH FOR COOPERATION? PAYMENTS FOR ECOSYSTEM
SERVICES AND COMMON PROPERTY MANAGEMENT IN MEXICO**

Presenter: Patricia Yanez-Pagans, University of Wisconsin-Madison

Discussant: Jill Caviglia-Harris, Salisbury University

**IMPLICATIONS OF COMPLETE CARBON LIFE-CYCLE ANALYSIS
AND CARBON MODELLING PRACTICES FOR BOREAL
FOREST MANAGEMENT IN CANADA**

Presenter: Geoff McCarney, Columbia University

Co-Author(s): Vic Adamowicz, University of Alberta and Stewart Elgie,
University of Ottawa

Discussant: Brent Sohngen, OSU

- 8:30-10:00 **DOES ENVIRONMENTAL INFORMATION PROVISION HELP FIRMS AND CONSUMERS OPTIMIZE?** Room KC 203
 Chairperson: Wayne Gray, Clark University
- DOES CONTINUOUS EMISSIONS MONITORING INCREASE ENERGY EFFICIENCY OF U.S. ELECTRIC POWER PLANTS? EVIDENCE FROM THE 1990 CLEAN AIR ACT AMENDMENTS**
 Ron Shadbegian, US Environmental Protection Agency (US EPA)
 Co-Author(s): Wayne Gray, Clark University and NBER and Carl Pasurka, US EPA
- EVALUATING THE EFFECTIVENESS OF VOLUNTARY PROGRAMS: DID OHIO'S TOXMINUS PROGRAM AFFECT PARTICIPANTS' TRI EMISSIONS?**
 Ann Wolverton, US EPA
 Co-Author(s): Charles Griffiths, US EPA and William Wheeler, US EPA
- HURRICANES, RISK COMMUNICATION, AND AVOIDANCE BEHAVIOR**
 Jay Shimshack, Tulane University
 Co-Author(s): Timothy Beatty, University of Minnesota
- DOES THE BUCK STOP HERE? INVESTIGATING DISTRIBUTIONAL ASPECTS OF GREEN CERTIFICATION**
 Linda Bui, Brandeis University
- 8:30-10:00 **DEVELOPING COUNTRIES** Room KC 101
 Chairperson: Kelsey Jack, Tufts University
- UNANTICIPATED IMPACTS FROM A VOLUNTARY ENVIRONMENTAL POLICY: CHANGES IN FOOD SECURITY FOR CONGOLESE HOUSEHOLDS**
 Jacqueline Doremus, University of Michigan
- AGRICULTURAL PRODUCTIVITY, HOUSEHOLD SHADOW WAGES, AND NATURAL RESOURCE COLLECTION: HOUSEHOLD-SPECIFIC WAGES EXPLAIN LABOR ALLOCATION ACROSS MULTIPLE ACTIVITIES**
 Dale Manning, University of California, Davis
- THE LEAKAGE AND LIVELIHOOD IMPACTS OF PAYMENTS FOR ENVIRONMENTAL SERVICES: EVIDENCE FROM MALAWI**
 Kelsey Jack, Tufts University
- 8:30-10:00 **TRANSPORT VEHICLES** Room KC 306
 Chairperson: Ann Wolverton,
 US Environmental Protection Agency (EPA)
- THE VALUE OF ENVIRONMENTAL STATUS SIGNALING: THE CASE OF THE TOYOTA PRIUS**
 Michael Delgado, Purdue University
 Co-Author(s): Jessica Harriger, Western Illinois University and Neha Khanna, Binghamton University

VEHICLE LIFETIME TRENDS AND SCRAPPAGE BEHAVIOR IN THE U.S. USED CAR MARKET

Yiou Zuo, Cornell University

Co-Author(s): Antonio Bento and Kevin Roth, Cornell University

THE UNINTENDED CONSEQUENCES OF UNCOORDINATED REGULATION: EVIDENCE FROM THE TRANSPORTATION SECTOR

Kevin Roth, Cornell University

ENERGY EFFICIENCY INVESTMENT DECISIONS: LESSONS FROM THE HEAVY DUTY TRUCKING SECTOR

Ann Wolverton, US EPA

Co-Author(s): Heather Klemick, US EPA and Elizabeth Kopits, US EPA

8:30-10:00

SHALE OIL AND GAS

Room KC 201

Chairperson: Juha Siikamaki, Resources for the Future

HOTELLING UNDER PRESSURE: THEORY AND EVIDENCE FROM TEXAS OIL DRILLING AND PRODUCTION

Ryan Kellogg, University of Michigan

Co-Author(s): Soren Anderson, Michigan State University and Stephen Salant, University of Michigan

THE EFFECT OF HYDRAULIC FRACTURING TRUCK TRAFFIC ON VEHICLE CRASHES

Stefan Staubli, RAND Corporation

Co-Author(s): Lucija Muehlenbachs, Resources for the Future

RISK INFORMATION AND THE WILLINGNESS TO PAY TO REDUCE ENVIRONMENTAL RISKS OF SHALE GAS DEVELOPMENT

Juha Siikamaki, Resources for the Future

Co-Author(s): Alan Krupnick, Resources for the Future

8:30-10:00

INCIDENCE AND DISTRIBUTIONAL EFFECTS

Room KC 206

Chairperson: Sumeet Gulati, University of British Columbia

DO OZONE REGULATIONS AFFECT LABOR DEMAND? EVIDENCE FROM THE 1990 CLEAN AIR ACT AMENDMENTS

Glenn Sheriff, US Environmental Protection Agency (US EPA)

Co-Author(s): Ann Ferris, US EPA and Ronald Shadbegian, US EPA

QUANTIFYING THE IMPACTS OF VEHICLE FUEL ECONOMY STANDARDS ON U.S. HOUSEHOLDS BY REGION AND INCOME

Valerie Karplus, Massachusetts Institute of Technology

Co-Author(s): Sebastian Rausch, ETH Zurich

WHO BENEFITS FROM REFORMING CAFE STANDARDS?

Benjamin Leard, Cornell University

Co-Author(s): Antonio Bento, Cornell University;

Shanjun Li, Cornell University; and Kevin Roth, Cornell University

THE INCIDENCE OF TAX REBATES TO HYBRID VEHICLES

Sumeet Gulati, University of British Columbia
Co-Author(s): Carol McAusland, University of British Columbia
and James Sallee, University of Chicago

8:30-10:00

INTERTEMPORAL DYNAMICS

Chairperson: Pierre Lasserre, Université Du Québec à Montréal

Room KC 302

STEADY-STATE PROPERTIES IN A CLASS OF DYNAMIC MODELS WITH APPLICATIONS TO NATURAL RESOURCE MANAGEMENT

Yacov Tsur, Hebrew University of Jerusalem
Co-Author(s): Amos Zemel, Ben Gurion University of the Negev

SECOND-BEST ENVIRONMENTAL TAXATION IN DYNAMIC MODELS WITHOUT COMMITMENT

Alex Schmitt, IIES, Stockholm University

THE DYNAMIC IMPLICATIONS OF ENERGY-INTENSIVE CAPITAL ACCUMULATION

Agustin Perez-Barahona, INRA and Ecole Polytechnique
Co-Author(s): Burcu Afyonoğlu Fazlıoğlu, TOBB-ETU University
and Huseyin Cagri Saglam, Bilkent University

NON-RENEWABLE RESOURCE SUPPLY: SUBSTITUTION EFFECT, COMPENSATION EFFECT, AND ALL THAT

Pierre Lasserre, Université Du Québec à Montréal

08:30-10:00

PROTECTED AREAS, CONSERVATION, AND LAND USE

Amy Ando, University of Illinois at Urbana Champaign

Room KC 210

BIODIVERSITY PROTECTION AND POVERTY: IMPLICATIONS OF HETEROGENEOUS ENVIRONMENTAL AND SOCIAL RESPONSES TO PROTECTED AREAS

Merlin Hanauer, Sonoma State University
Co-Author(s): Gustavo Canavire-Bacarreza, Universidad EAFIT

GOVERNANCE, INSTITUTIONS AND THE PERFORMANCE OF PROTECTED AREAS

Ryan Abman, University of California, Santa Barbara

STRUCTURAL ESTIMATION OF STOCHASTIC DYNAMIC AGENT-BASED LAND USE DECISIONS.

Raymundo Marcos Martinez, University of California, Riverside
Co-Author(s): Kenneth A. Baerenklau, University of California, Riverside

LEAKAGE AND CONSERVATION PLANNING

Amy Ando, University of Illinois at Urbana Champaign
Co-Author(s): Michael Bode, University of Melbourne; Morena Mills, University of Queensland; Anna Renwick, University of Queensland; Ayesha Tulloch, University of Queensland; and Oscar Venter, James Cook University

8:30-10:00 **ENVIRONMENTAL AGREEMENTS AND SPECIAL INTERESTS** Room KC 105
Chairperson: Scott Barrett, Columbia University

DOMESTIC POLITICS AND THE FORMATION OF INTERNATIONAL ENVIRONMENTAL AGREEMENTS

Alessandro Tavoni, London School of Economics
Co-Author(s): Simon Dietz, London School of Economics
and Carmen Marchiori, London School of Economics

ENVIRONMENTAL POLICY IN A FEDERATION WITH SPECIAL INTEREST POLITICS AND INTERGOVERNMENTAL FISCAL INCENTIVES

Divya Datt, Jawaharlal Nehru University, New Delhi, India

POLITICAL INFLUENCE IN MARKET BASED ENVIRONMENTAL REGULATION: THE CASE OF THE EU CO2 EMISSIONS TRADING SCHEME

Ashwin Rode, University of California, Santa Barbara

ON THE SENSITIVITY OF INTERNATIONAL COOPERATION TO UNCERTAINTY ABOUT CLIMATE CHANGE

Scott Barrett, Columbia University
Co-Author(s): Astrid Dannenberg, Columbia University
and Gothenburg University

8:30-10:00 **RECREATION MODELING** Room KC 205
Chairperson: Gregory Poe, Cornell University

CONVERGENT VALIDITY AND TIME CONSISTENCY IN PREFERENCE STRUCTURE: AN APPLICATION OF IOWA LAKES RECREATION DEMAND

Donggyu Yi, Iowa State University (ISU)

DOES EMPLOYMENT SHOCK DURING RECESSION AFFECT OUTDOOR RECREATION? A TALE OF IOWANS' LAKE RECREATION BEHAVIOR DURING 2009 RECESSION

Mohammad Mainul Hoque, ISU
Co-Author(s): Joseph Herriges, ISU and Catherine Kling, ISU

ESTIMATING THE EFFECTS OF NUTRIENTS AND SEDIMENTS ON WATER-BASED RECREATIONAL USES IN THE UNITED STATES

David Keiser, Yale University

A COMBINED REVEALED PREFERENCE-STATED PREFERENCE MODEL OF RECREATIONAL ANGLING RESPONSE TO AQUATIC NUISANCE SPECIES IN THE GREAT LAKES AND UPPER MISSISSIPPI AND OHIO RIVER BASINS

Gregory Poe, Cornell University
Co-Author(s): Nancy Connelly, Cornell University; Selmin Creamer, Cornell University and Ithaca College; Bruce Lauber, Cornell University; Richard Ready, The Pennsylvania State University; and Richard Stedman, Cornell University

10:00-10:30	BREAK	
10:30-11:15	KEYNOTE ADDRESS James Salzman, Duke University and the Nicholas School of the Environment	Room KC 101, 103, 105
11:15-12:00	AERE AWARDS PROGRAM	Room KC 101, 103, 105
12:00-1:30	LUNCH	Vistas Dining Room (Sally Borden Bldg, 4th Floor)

01:30-3:00 **PARALLEL SESSION 2**

1:30-3:00	GRADUATE STUDENT SESSION II POLICY MECHANISMS AND EFFICIENCY Chairperson: Brandon Schaufele, University of Ottawa	Room KC 103
	THE IMPACT OF ELECTRICITY SECTOR RESTRUCTURING ON COAL-FIRED POWER PLANTS IN INDIA Presenter: Kabir Malik, University of Maryland, College Park Co-Author(s): Maureen Cropper, University of Maryland, College Park Discussant: Meredith Fowlie, University of California, Berkeley	
	EFFICIENCY COSTS OF NON-EFFICIENCY OBJECTIVES IN TRADABLE PERMIT PROGRAMS Presenter: Kailin Kroetz, University of California (UC), Davis Co-Author(s): Daniel Lew, Alaska Fisheries Science Center, National Marine Fisheries Service and James Sanchirico, UC Davis Discussant: Martin Smith, Duke University	
	THE IMPACT OF ENERGY CONSERVATION PROGRAMS ON RESIDENTIAL ELECTRICITY USE: EVIDENCE FROM A FIELD EXPERIMENT Presenter: Onur Sapci, University of Wyoming Co-Author(s): Timothy Considine, University of Wyoming Discussant: Karen Palmer, Resources for the Future	
1:30-3:00	AGRICULTURE AND ADAPTATION TO CLIMATE CHANGE Chairperson: Carol Jones, US Department of Agriculture, (USDA)	Room KC 203
	AGRICULTURAL ADAPTATION TO CLIMATE CHANGE: POTENTIAL ENVIRONMENTAL IMPACTS OF SHIFTING REGIONAL WATER BALANCES Elizabeth Marshall, USDA Co-Author(s): Marcel Aillery and Scott Malcolm, USDA	
	ON THE USE OF GROWING DEGREE DAYS IN ECONOMETRIC ESTIMATES OF CLIMATE CHANGE IMPACTS ON AGRICULTURE Emanuele Massetti, Yale University and FEEM Co-Author(s): Robert Mendelsohn, Yale University	

UNDERSTANDING TEMPERATURE AND MOISTURE INTERACTIONS IN THE ECONOMICS OF CLIMATE CHANGE IMPACTS AND ADAPTATION ON AGRICULTURE

Ariel Ortiz-Bobea, University of Maryland

IMPACT OF FUTURE AGRICULTURAL PRODUCTIVITY GAINS ON GREENHOUSE GAS EMISSIONS: A GLOBAL ANALYSIS

Carol Jones, USDA

Co-Author(s): Ronald Sands, USDA

1:30-3:00

NATURAL GAS

Chairperson: Scott Holladay, University of Tennessee

Room KC 205

THE CLIMATE IMPACTS OF A SWITCH TOWARDS NATURAL GAS VEHICLES IN THE U.S. HEAVY-DUTY SECTOR

Susanne Brooks, Environmental Defense Fund (EDF)
and Jonathan Camuzeaux, EDF

Co-Author(s): Ramon Alvarez, EDF and Thomas Sterner, EDF,
University of Gothenburg

REGULATORY FLEXIBILITY IN THE FACE OF CHANGING MARKET CONDITIONS: THE CASE OF CHEAP NATURAL GAS

Jacob LaRiviere, University of Tennessee

Co-Author(s): Scott Holladay, University of Tennessee

THE EFFECTS OF OIL AND GAS FISCAL REGIMES ON EXPLORATION AND PRODUCTION DECISIONS

Timothy Fitzgerald, Montana State University

Co-Author(s): Andrew Stocking, Congressional Budget Office

OPTIMAL CAPACITY ALLOCATION IN RESPONSE TO INPUT PRICE SHOCKS: THE CASE OF CHEAP NATURAL GAS

Scott Holladay, University of Tennessee

Co-Author(s): Jacob LaRiviere, University of Tennessee

1:30-3:00

DEVELOPMENT AND ENERGY

Chairperson: Maureen Cropper, University of Maryland, College Park

Room KC 101

INTENSIVE MARGIN OF ELECTRIFICATION: EVIDENCE FROM RURAL INDIA

Martino Pelli, University of Alberta

Co-Author(s): Ujjayant Chakravorty, Tufts University and Beyza Ural Marchand, University of Alberta

PREFERENCES FOR IMPROVED COOK STOVES IN RURAL INDIA: IMPLICATIONS FOR SCALING-UP

Marc Jeuland, Duke University

Co-Author(s): Subhrendu Pattanayak, Duke University

DEPLOYING WIND POWER IN BRAZIL: A QUANTITATIVE EVALUATION OF PROINFA

Dimitri Szerman, Pontifica Universidade Catolica do Rio de Janeiro (PUC-Rio) and Climate Policy Initiative

Co-Author(s): Juliano Assunção, Climate Policy Initiative and PUC-Rio and Joana Chiavari, Climate Policy Initiative and PUC-Rio

THE IMPACT OF POLICIES TO REDUCE FUEL CONSUMPTION IN THE INDIAN CAR MARKET

Maureen Cropper, University of Maryland, College Park

Co-Author(s): Randy Chugh, United States Department of Justice

1:30-3:00

TRANSPORTATION: FUEL ECONOMY

Chairperson: Ashley Langer, University of Arizona

Room KC 306

AUTOMAKER RESPONSES TO FUEL ECONOMY STANDARDS

Kenneth Gillingham, Yale University

Co-Author(s): Antonio Bento, Cornell University; Kevin Roth, Cornell University; and Yiwei Wang, Cornell University

MIXED IMPACTS OF FUEL ECONOMY STANDARD AND SMALL ENGINE DISPLACEMENT SUBSIDIES ON VEHICLE TECHNOLOGICAL ATTRIBUTES IN CHINA

Yueming (Lucy) Qiu, Arizona State University

Co-Author(s): Yang Shu, Huazhong University of Science and Technology and Yang Yu, Stanford University

AN EVALUATION OF THE ONTARIO VEHICLE FEEBATE: THE TAX AND TAX CREDIT FOR FUEL CONSERVATION

Nic Rivers, University of Ottawa

Co-Author(s): Brandon Schaufele, University of Ottawa

STEP ON IT: EVIDENCE ON THE VARIATION IN ON-ROAD FUEL ECONOMY

Ashley Langer, University of Arizona

Co-Author(s): Shaun McRae, University of Michigan

1:30-3:00

WATER

Chairperson: John Braden,

University of Illinois at Urbana-Champaign (UIUC)

Room KC 201

FLEXIBLE PRACTICE-BASED APPROACHES FOR CONTROLLING MULTIPLE AGRICULTURAL NONPOINT-SOURCE WATER POLLUTION

Catherine Kling, Iowa State University (ISU)

Co-Author(s): Valcu Adriana, ISU and Rabotyagov Sergey, University of Washington

WATER QUALITY TRADING: CAN WE GET THE PRICE OF POLLUTION RIGHT?

Jay Coggins, University of Minnesota

Co-Author(s): Yoshifumi Konishi, Sophia University and Bin Wang, The Pennsylvania State University

THE IMPACT OF DRINKING WATER VIOLATIONS ON PERINATAL HEALTH

Matthew Harding, Stanford University

HUMANS AND THE WATER ENVIRONMENT: THE NEED FOR COORDINATED DATA COLLECTION

John Braden, UIUC

Co-Author(s): Christina Jolejole-Foreman, UIUC and Daniel Schneider, UIUC

1:30-3:00

LAND USE

Chairperson: Chris Barrington-Leigh, McGill University

Room KC 206

THE EFFECTS OF LAND USE DEVELOPMENT POLICIES ON FOREST MANAGEMENT

Sofia Franco, Nova School Business and Economics

Co-Author(s): Maria Cunha-e-Sa, Nova School Business and Economics

A SPATIAL ANALYSIS OF LAND AND WATER USE IN OREGON'S WILLAMETTE VALLEY

Daniel Bigelow, Oregon State University

Co-Author(s): Andrew Plantinga, Oregon State University

EVALUATING THE IMPACT OF ALTERNATIVE LAND USE POLICIES ON RESIDENTIAL LAND DEVELOPMENT USING A STRUCTURAL SUPPLY MODEL

Doug Wrenn, The Ohio State University

Co-Author(s): Elena Irwin and David Newburn, University of Maryland, College Park

CARBON PRICING AND THE PATH-DEPENDENCE OF URBAN SPRAWL

Chris Barrington-Leigh, McGill University

Co-Author(s): Adam Millard-Ball, University of California, Santa Cruz

1:30-3:00

UNCERTAINTY AND DISCOUNTING

Chairperson: Timothy Richards, Arizona State University

Room KC 210

OPTIMALLY CLIMATE SENSITIVE POLICY: A COMPREHENSIVE EVALUATION OF UNCERTAINTY & LEARNING

Svenn Jensen, University of California, Berkeley

Co-Author(s): Christian Traeger, University of California, Berkeley

IRREVERSIBILITY IN ENVIRONMENTAL POLICY: AVOIDING THE POINT OF NO RETURN OR DELAYING THE INEVITABLE

Charles Sims, Utah State University

Co-Author(s): David Finnoff, University of Wyoming

THE SOCIAL DISCOUNT RATE UNDER A STOCHASTIC A2 SCENARIO

Rob Aalbers, Netherlands Bureau for Economic Policy Analysis

Co-Author(s): Marjon Ruijter, CWI National Research Institute for Mathematics and Computer Science

HYPERBOLIC DISCOUNTING AND ENVIRONMENTAL GOODS

Timothy Richards, Arizona State University
Co-Author(s): Gareth Green, Seattle University

1:30-3:00

CLIMATE POLICY, TECHNOLOGY, AND THE GREEN PARADOX

Room KC 105

Chairperson: Mads Greaker, Statistics Norway

THE GREEN PARADOX OF THE ECONOMICS OF EXHAUSTIBLE RESOURCES

Robert Cairns, McGill University

LIMITS TO LIMITING GREENHOUSE GASES: INTERTEMPORAL LEAKAGE, SPATIAL LEAKAGE, AND NEGATIVE LEAKAGE

Carolyn Fischer, Resources for the Future
Co-Author(s): Steve Salant, University of Michigan

THE SPILLOVERS FROM CLEAN TECHNOLOGIES

Myra Mohnen, University College London
Co-Author(s): Antoine Dechezleprêtre, London School of Economics and Ralf Martin, Imperial College London

OPTIMAL ENVIRONMENTAL POLICY WITH NETWORK EFFECTS

Mads Greaker, Statistics Norway
Co-Author(s): Kristoffer Midtømme, University of Oslo

1:30-3:00

AIR POLLUTION

Room KC 302

Chairperson: Antonio Bento, Cornell University

A RELOOK AT THE ENVIRONMENTAL KUZNETS CURVE FOR AIR POLLUTION

William Jaeger, Oregon State University
Co-Author(s): Van Kolpin, University of Oregon and Ryan Siegel, Oregon State University

COAL, SMOKE, AND DEATH: BITUMINOUS COAL AND AMERICAN HOME HEATING, 1920-1959

Karen Clay, Carnegie Mellon University
Co-Author(s): Alan Barreca, Tulane University and Joel Tarr, Carnegie Mellon University

OPTIMAL REGULATION OF AIR POLLUTION WITH DAMAGES

David Bielen, Duke University
Co-Author(s): Andrew Yates, University of North Carolina-Chapel Hill

REDISTRIBUTION, DELEGATION, AND REGULATOR'S INCENTIVES: EVIDENCE FROM THE CLEAN AIR ACT

Antonio Bento, Cornell University
Co-Author(s): Matthew Freedman, Cornell University and Corey Lang, University of Rhode Island

3:00-3:30

BREAK

3:30-5:00

PARALLEL SESSION 3

3:30-5:00

**GRADUATE STUDENT SESSION III
WATER, RECREATION AND FISHERIES**

Chairperson: M. Scott Taylor, University of Calgary

Room KC 103

**ESTIMATING WATER DEMAND AT THE INTENSIVE AND
EXTENSIVE MARGIN: THE ROLE OF LANDSCAPE DYNAMICS**

Presenter: Daniel Brent, University of Washington

Discussant: Catherine Kling, Iowa State University

**REVEALED PREFERENCES IN RECREATIONAL TRAVEL
COST MODELS**

Presenter: Ashley Vissing, Duke University

Co-Author(s): Nick Hanley, University of Stirling; Stephen Hynes,
NUI Galway; and Christopher Timmins, Duke University

Discussant: Peter Boxall, University of Alberta

**PUTTING A PRICE ON LICE: QUANTIFYING THE
BIOLOGICAL AND ECONOMIC IMPACTS OF SEA LICE
ON FARMED SALMONIDS**

Presenter: Jay Abolofia, University of California (UC), Davis

Co-Author(s): Frank Asche, University of Stavanger, Norway; Atle
Guttormsen, Norwegian University of Life Sciences;
and James Wilen, UC Davis

Discussant: Joshua Abbott, Arizona State University

3:30-5:00

OIL SANDS INNOVATION ALLIANCE

Chairperson: Emilson Silva, University of Alberta

Room KC 203

**ON THE TIMING OF NON-RENEWABLE RESOURCE EXTRACTION
WITH REGIME SWITCHING PRICES: AN APPLICATION TO THE
ALBERTA OIL SANDS**

Margaret Insley, University of Waterloo

**THE COSTS OF PROTECTING THE WILD: EVIDENCE FROM
AUCTIONS FOR NATURAL RESOURCE DEVELOPMENT**

Branko Boskovic, University of Alberta

Co-Author(s): Linda Nostbakken, University of Alberta

**CANADA'S OIL SANDS INNOVATION ALLIANCE: STRATEGIC
RATIONALE AND EFFECTS**

Emilson Silva, University of Alberta

3:30-5:00

TRANSPORTATION: PRICING EXTERNALITIES

Chairperson: David Austin, Congressional Budget Office

Room KC 101

**DO DRIVERS RESPOND TO CONGESTION PRICING?: EVIDENCE
FROM LOS ANGELES**

Andrew Waxman, Cornell University

Co-Author(s): Antonio Bento, Cornell University and Jonathan Hughes,
University of Colorado-Boulder

CONSUMER WELFARE EFFECTS OF CONVERSION FROM HOV TO HOT LANE

Austin Gross, University of Washington
Co-Author(s): Daniel Brent, University of Washington

SALIENCE OF CARBON TAXES IN THE GASOLINE MARKET

Brandon Schaufele, University of Ottawa
Co-Author(s): Nicholas Rivers, University of Ottawa

SOCIAL-COST PRICING IN FREIGHT TRANSPORTATION

David Austin, Congressional Budget Office

3:30-5:00

GROUNDWATER

Chairperson: Ujjayant Chakravorty, Tufts University

Room KC 201

VALUING GROUNDWATER SERVICES BASED ON SPATIAL HETEROGENEITY OF BIOPHYSICAL CHARACTERISTICS: A GEOSPATIAL HEDONIC ANALYSIS

Monobina Mukherjee, University of California, Riverside
Co-Author(s): Kurt Schwabe, University of California, Riverside

GROUNDWATER MANAGEMENT WITH DECLINING DISCOUNT RATES

Susan Stratton Sayre, Smith College

EFFECTS OF IRRIGATION-EFFICIENCY IMPROVING POLICIES ON COMMON-POOL GROUNDWATER USE AND DEPLETION: RESULTS FOR WESTERN KANSAS

Nicolas Quintana Ashwell, Kansas State University
Co-Author(s): Jeffrey Peterson, Kansas State University

BOOM AND BUST: THE INDUSTRIAL ORGANIZATION OF GROUNDWATER

Ujjayant Chakravorty, Tufts University
Co-Author(s): Eswaran Somanathan, Indian Statistical Institute

3:30-5:00

REGULATING FIRMS

Chairperson: Mary Evans, Claremont McKenna College

Room KC 210

THE EFFECT OF PCE REGULATION ON DRY CLEANING FIRM EXITS

Brian Vander Naald, University of Alaska Southeast
Co-Author(s): Trudy Ann Cameron, University of Oregon

INTRA-INDUSTRY REALLOCATIONS AND LONG-RUN IMPACTS OF ENVIRONMENTAL REGULATIONS

Nori Tarui, University of Hawaii
Co-Author(s): Yoshifumi Konishi, Sophia University

REGULATORY COSTS DURING TRANSITION PERIODS: US MANUFACTURING PRODUCTIVITY IN THE 1970S

Wayne Gray, Clark University

OVER-COMPLIANCE AND CROSS-MEDIA EFFECTS OF ENFORCEMENT

Mary Evans, Claremont McKenna College

Co-Author(s): Scott Gilpatric, University of Tennessee

3:30-5:00

RESOURCES AND HEALTH

Room KC 205

Chairperson: David Finnoff, University of Wyoming

PASTEURIZATION AND PUBLIC HEALTH: A STUDY OF CITY MILK SUPPLY AND INFANT MORTALITY IN THE US 1920 TO 1930

Huiqiang Wang, University of Rhode Island

CAN IRRIGATION MITIGATE THE IMPACTS OF WEATHER SHOCKS ON CHILD HEALTH? EVIDENCE FROM HOUSEHOLD-LEVEL IRRIGATION ADOPTION IN INDIA

Yusuke Kuwayama, Resources for the Future

Co-Author(s): Kathy Baylis, University of Illinois at Urbana-Champaign and Eeshani Kandpal, World Bank Group

MANAGING THE ENDOGENOUS RISK OF DISEASE OUTBREAKS

David Finnoff, University of Wyoming

Co-Author(s): Kevin Berry, University of Wyoming; Richard Horan, Michigan State University; and Jason Shogren, University of Wyoming

3:30-5:00

MODELING RESOURCES AND COMMON PROPERTY

Room KC 302

Chairperson: Eli Fenichel, Yale University

THE EFFECTS OF PROPERTY RIGHTS ON RESOURCE EXPLOITATION

Corbett Grainger, University of Wisconsin, Madison

Co-Author(s): Christopher Costello, University of California, Santa Barbara, LAMETA, NBER and Ray Hilborn, University of Washington

NATURAL RESOURCE SHARING UNDER UNEQUAL ACCESS

Stefan Ambec, Toulouse School of Economics

LINKED COMMON-PROPERTY RESOURCES WITH CONGESTION EXTERNALITIES

Jonathan Hughes, University of Colorado, Boulder

Co-Author(s): Daniel Kaffine, Colorado School of Mines

NATURAL CAPITAL: FROM METAPHOR TO MEASUREMENT

Eli Fenichel, Yale University

3:30-5:00

REGULATORY ENFORCEMENT

Room KC 306

Chairperson: Dietrich Earnhart, University of Kansas

HOW STRATEGIC ARE ENVIRONMENTAL VIOLATIONS?

Sarah Stafford, College of William and Mary

DO NONPROFITS ENCOURAGE COMPLIANCE? WATERSHED GROUPS AND THE U.S. CLEAN WATER ACT

Laura Grant, University of Wisconsin-Milwaukee
Co-Author(s): Katherine Grooms, University of California, Santa Barbara

ENFORCING THE CLEAN WATER ACT: THE EFFECT OF STATE-LEVEL CORRUPTION ON COMPLIANCE

Katherine Grooms, University of California, Santa Barbara

CERTAINTY OF PUNISHMENT VS SEVERITY OF PUNISHMENT: DETERRENCE AND WASTEWATER DISCHARGES

Dietrich Earnhart, University of Kansas
Co-Author(s): Lana Friesen, University of Queensland

3:30-5:00

INDUSTRY AND THE EFFECTS OF EMISSIONS REGULATION

Room KC 105

Chairperson: Billy Pizer, Duke University

AN EVALUATION OF THE IMPACT OF THE EU EMISSIONS TRADING SYSTEM ON THE INDUSTRIAL SECTOR. EVIDENCE FROM MICRODATA

Ralf Martin, Imperial College London
Co-Author(s): Jonathan Colmer, London School Economics; Mirabelle Muuls, Imperial College London; and Ulrich Wagner, Universidad Carlos III Madrid

THE IMPACTS ON INDUSTRIAL ACTIVITY OF ENVIRONMENTAL REGULATIONS IN CHINA (ABSTRACT 1)

Chunhua Wang, University of International Business and Economics

WHY HAVE GREENHOUSE EMISSIONS IN RGGI STATES DECLINED? AN ECONOMETRIC ATTRIBUTION TO MACROECONOMIC, ENERGY MARKET AND POLICY FACTORS

Brian Murray, Duke University
Co-Author(s): Peter Maniloff, Duke University and Evan Murray, Duke University

HOW WILL CLIMATE CHANGE POLICIES AFFECT DOMESTIC MANUFACTURING?

Billy Pizer, Duke University
Co-Author(s): Joseph Aldy, Harvard University

5:30-8:30

AERE BOARD MEETING (INVITATION ONLY)

Room KC 208

SATURDAY, 8 JUNE 2013

7:00-8:30 **CONFERENCE BREAKFAST** Vistas Dining Room (Sally Borden Bldg, 4th Fl)

8:00-1:00 **REGISTRATION** KC 100 Galleria

8:30-10:00 **PARALLEL SESSION 4**

08:30-10:00 **CLIMATE AND TRADE POLICIES** Room KC 101

Chairperson: Carol McAusland, University of British Columbia

CLIMATE POLICY AND VERTICAL SPECIALIZATION IN MULTI-STAGE PRODUCTION PROCESSES

Oliver Schenker, Centre for European Economic Research (ZEW) Mannheim

Co-Author(s): Simon Koesler, ZEW Mannheim and Andreas Löschel, ZEW Mannheim

ASYMMETRIC INDUSTRIAL ENERGY PRICES AND INTERNATIONAL TRADE

Misato Sato, London School of Economics

Co-Author(s): Antoine Dechezleprêtre, London School of Economics

ENVIRONMENTAL AND HEALTH PROTECTIONS, OR NEW PROTECTIONISM? DETERMINANTS OF SPS NOTIFICATIONS BY WTO MEMBERS

Emma Aisbett, University of Hamburg

Co-Author(s): Lee M. Pearson, Imperial College London

CARBON FOOTPRINT TAXES

Carol McAusland, University of British Columbia

Co-Author(s): Nouri Najjar, University of British Columbia

08:30-10:00 **SPONSORED SESSION I** Room KC 103

THE DEEPWATER HORIZON OIL SPILL

Chairperson: Alan Krupnick, Resources for the Future

THE GULF OIL SPILL: NEWS AND SOCIAL COSTS

Presenter: Scott Farrow, University of Maryland, Baltimore County/ Woods Hole Oceanographic

Co-Author(s): Douglas Larson, University of California, Davis

Discussant: Thomas Lyon, University of Michigan

THE LABOR MARKET IMPACTS OF THE 2010 DEEPWATER HORIZON OIL SPILL AND OFFSHORE DRILLING MORATORIUM

Presenter: Joseph Aldy, Harvard University

Discussant: Richard Morgenstern, Resources for the Future

08:30-10:00 **VALUATION I** Room KC 205

Chairperson: Lynne Lewis, Bates College

VALUING CHANGES IN VISIBILITY CONDITIONS IN NATIONAL PARKS AND WILDERNESS AREAS: SHIFTING DISTRIBUTIONS

Chip Paterson, Principal, Industrial Economics, Inc.
Co-Author(s): Kevin Boyle, Virginia Tech; Richard Carson, University of California, San Diego; Barbara Kanninen, BK Econometrics; and Christopher Leggett, Statistics and Economics Consulting

CVM IN OUTER SPACE: COMPARING SINGLE BOUND AND DOUBLE BOUND WTP OF LANDSAT USERS FOR SATELLITE IMAGERY

John Loomis, Colorado State University
Co-Author(s): Lynne Koontz, US Geological Survey; Stephan Koontz, Colorado State University; Holly Miller, U.S. Geological Survey; and Leslie Richardson, US Geological Survey

WILLINGNESS TO PAY FOR ANADROMOUS FISHERIES RESTORATION: DISTANCE DECAY AND RIVER REPUTATION

Lynne Lewis, Bates College
Co-Author(s): Guillermo Herrera, Bowdoin College and Lindsay Thompson

08:30-10:00

ELECTRICITY

Chairperson: Joshua Linn, Resources for the Future (RFF)

Room KC 105

CORPORATE INCENTIVES AND NUCLEAR SAFETY

Catherine Hausman, University of California, Berkeley

CLIMATE POLICY UNCERTAINTY AND INVESTMENT BEHAVIOR: EVIDENCE FROM HYDROPOWER PLANTS

Kristin Linnerud, CICERO
Co-Author(s): Stein-Erik Fleten, Norwegian University of Science and Technology (NTNU) and Ane Marte Heggedal, NTNU

HOW DO LOW NATURAL GAS PRICES BENEFIT ELECTRICITY CONSUMERS AND THE ENVIRONMENT?

Joshua Linn, RFF

08:30-10:00

DEFORESTATION

Chairperson: Kathy Baylis, University of Illinois

Room KC 210

DOES CREDIT AFFECT DEFORESTATION? EVIDENCE FROM A RURAL CREDIT POLICY IN THE BRAZILIAN AMAZON

Romero Rocha, Climate Policy Initiative (CPI) and PUC-Rio
Co-Author(s): Juliano Assunção, CPI and PUC-Rio, Clarissa Gandour, CPI and PUC-Rio and Rudi Rocha, Instituto de Economia-UFRJ

(DETER)RING ILLEGAL DEFORESTATION IN THE BRAZILIAN AMAZON

Clarissa Gandour, CPI & PUC-Rio
Co-Author(s): Juliano J. Assunção, CPI & PUC-Rio and Romero Rocha, CPI & PUC-Rio

THE PRICE OF OUR VANISHING FORESTS: A SPATIAL HEDONIC STUDY OF ECOSYSTEM SERVICES IN THE BRAZILIAN AMAZON

Jill Caviglia-Harris, Salisbury University

Co-Author(s): Katrina Mullan, University of Montana and Erin Sills, North Carolina State University

WHAT DRIVES FOREST LEAKAGE?

Kathy Baylis, University of Illinois

Co-Author(s): Don Fullerton, University of Illinois and Payal Shah, University of Illinois

08:30-10:00

EXPERIMENTS

Chairperson: Arthur Caplan, Utah State University

Room KC 302

MANAGING COMMON POOL RESOURCE CONGESTION: INCENTIVES VS. INFORMATION

Sarah Jacobson, Williams College

Co-Author(s): Jason Delaney, Georgia Gwinnett College

ELICITING RATES OF TIME PREFERENCE USING AN INCENTIVE COMPATIBLE EXPERIMENTAL DESIGN

Andrew Meyer, Ohio Wesleyan University

SOCIAL NORMS AND FARMER'S PREFERENCES TOWARDS BIODIVERSITY CONSERVATION CONTRACTS

Maria Loureiro, University Santiago de Compostela

Co-Author(s): Eva Iglesias, UPM and Maria Alló, University Santiago de Compostela

MEASURING THE ENVIRONMENTAL COST OF HYPOCRISY

Arthur Caplan, Utah State University

08:30-10:00

TOPICS IN PUBLIC GOODS

Chairperson: Christian Vossler, University of Tennessee

Room KC 206

MAINTAINING PUBLIC GOODS: HOUSEHOLD VALUATION OF NEW AND RENOVATED LOCAL PARKS

H. Allen Klaiber, The Ohio State University

Co-Author(s): Mitch Livy, The Ohio State University

PRIVATE PROVISION OF PUBLIC GOODS: EVIDENCE FROM THE EFFECT OF ENVIRONMENTAL GROUPS ON WATER QUALITY

Christian Langpap, Oregon State University

Co-Author(s): Laura Grant, University of Wisconsin-Milwaukee

SPATIAL SPILLOVER EFFECTS FOR WILDFIRE MITIGATION AMONG WUI HOMEOWNERS

Patricia Champ, US Forest Service (USFS)

Co-Author(s): Hannah Brenkert-Smith, University of Colorado at Boulder; James Meldrum, University of Colorado at Boulder; and Travis Warziniack, USFS

EXPLORING THE ROBUSTNESS OF THE WTP-WTA GAP FOR PUBLIC GOODS

Christian Vossler, University of Tennessee
Co-Author(s): Michael Price, Georgia State University
and Jens Schubert, University of Tennessee

08:30-10:00

AGRICULTURE AND EMISSIONS

Chairperson: Brent Sohngen, The Ohio State University

Room KC 201

THE RELATIVE PRICE OF AGRICULTURE: THE EFFECT OF FOOD SECURITY ON THE SOCIAL COST OF CARBON

Peter Howard, New York University

THE EFFECT OF GROUND-LEVEL OZONE ON US MAIZE YIELDS

Wolfram Schlenker, University of California, Berkeley
Co-Author(s): Christopher Boone, Columbia University
and Juha Siikamäki, Resources for the Future

THE EFFECT OF CLIMATE ON CROP INSURANCE PREMIUM RATES AND PRODUCER SUBSIDIES

Jesse Tack, Mississippi State University

THE IMPLICATIONS OF ENVIRONMENTAL POLICY ON NUTRIENT OUTPUTS IN AGRICULTURAL WATERSHEDS

Brent Sohngen, The Ohio State University
Co-Author(s): Sei Jin Kim, Ohio State University; Kevin King,
US Department of Agriculture; and Abdoul Sam, Ohio State University

08:30-10:00

CLIMATE POLICY

Chairperson: Johannes Emmerling,
Fondazione Eni Enrico Mattei (FEEM)

Room KC 306

ENERGY POVERTY

David Bael, University of Minnesota
Co-Author(s): Lawrence Baker, University of Minnesota; Jay Coggins,
University of Minnesota; and Kristen Nelson, University of Minnesota

DISTINGUISHING SPOT AND OPTIONS MARKET TRANSACTIONS FOR AVOIDED DEFORESTATION CREDITS: THE ROLE OF MULTIPLE MARKET INSTRUMENTS UNDER CLIMATE POLICY UNCERTAINTY

Alexander Golub, American University
Co-Author(s): Ruben Lubowski, Environmental Defense Fund (EDF)
and Columbia University and Pedro Piris-Cabezas, EDF

CROPLAND PRODUCTIVITY, CARBON SEQUESTRATION, AND COMMODITY PRICES

Suk-Won Choi, The Ohio State University
Co-Author(s): Sara Ohrel, US Environmental Protection Agency
and Brent Sohngen, The Ohio State University

GEOENGINEERING AND ABATEMENT: A 'FLAT' RELATIONSHIP UNDER UNCERTAINTY

Johannes Emmerling, FEEM

08:30-10:00

FISHERIES BEHAVIOR

Chairperson: Kathy Segerson, University of Connecticut

Room KC 203

MANAGEMENT INSTITUTIONS, INCENTIVES AND THE MULTIPLE MARGINS OF SELECTIVITY IN FISHING: EVIDENCE FROM A "NON-SELECTIVE" TRAWL FISHERY

Joshua Abbott, Arizona State University

Co-Author(s): Alan Haynie, National Marine Fisheries Service and Matthew Reimer, University of Alaska, Anchorage

INSTITUTIONAL DEPENDENCE OF THE FISHERY PRODUCTION FUNCTION

Matthew Reimer, University of Alaska, Anchorage

Co-Author(s): Joshua Abbott, Arizona State University and James Wilen, University of California, Davis

SPILOVERS IN REGIONAL FISHERIES MANAGEMENT: DO CATCH SHARES CAUSE LEAKAGE?

Martin Smith, Duke University

Co-Author(s): Lori Benneer, Duke University and Samuel Cunningham, North Pacific Fishery Management Council

INDIVIDUAL VS. COLLECTIVE QUOTAS IN FISHERIES MANAGEMENT

Kathy Segerson, University of Connecticut

Co-Author(s): Rong Zhou, University of Connecticut

10:00-10:30

BREAK

10:30-12:00

PARALLEL SESSION 5

10:30-12:00

CLIMATE CHANGE AND INTERNATIONAL COOPERATION

Chairperson: Itziar Lazkano, University of Wisconsin-Milwaukee

Room KC 101

SCALE AND TRANSFERS IN INTERNATIONAL EMISSIONS OFFSET PROGRAMS

Arthur van Benthem, University of Pennsylvania

Co-Author(s): Suzi Kerr, Motu Economic and Public Policy Research

LINKING AND DELINKING POLLUTION PERMIT MARKETS

Andrew Yates, University of North Carolina, Chapel Hill

Co-Author(s): William Pizer, Duke University

CLIMATE CHANGE: WHO WILL TAKE THE HEAT

Helene Ollivier, University of Paris 1, Centre National de la Recherche Scientifique (CNRS)

Co-Author(s): Gal Hochman, Rutgers, The State University of New Jersey and David Zilberman, University of California, Berkeley

CLIMATE CHANGE ADAPTATION: HOW DOES HETEROGENEITY IN ADAPTATION AFFECT CLIMATE COALITIONS?

Itziar Lazkano, University of Wisconsin-Milwaukee
Co-Author(s): Walid Marrouch, CIRANO and
Lebanese American University and Bruno Nkuiya, University of Laval

10:30-12:00

SPONSORED SESSION II
ENERGY AND WATER: QUANTIFYING THE IMPACT
Chairperson: Catherine Kling, Iowa State University

Room KC 103

ENERGY PRICES AND GROUNDWATER EXTRACTION IN AGRICULTURE

Presenter: C.-Y. Cynthia Lin, University of California, Davis
Co-Author(s): Lisa Pfeiffer, NOAA National Marine Fisheries Service
Discussant: Yusuke Kuwayama, Resources for the Future (RFF)

OVERLAPS AND CAUSALITY IN AQUATIC ECOSYSTEM IMPACTS OF ENERGY FACILITIES: EVALUATING BENEFITS OF COOLING WATER INTAKE REGULATIONS UNDER SECTION 316B OF THE CLEAN WATER ACT

Presenter: Robert Johnston, Clark University
Co-Author(s): Elena Besedin, Abt Associates; Erik Helm, US Environmental Protection Agency; and Ryan Stapler, Abt Associates
Discussant: Alan Krupnick, RFF

10:30-12:00

VALUATION II
Chairperson: Jürgen Meyerhoff, Technische Universität Berlin

Room KC 205

CONSEQUENTIAL CHOICE EXPERIMENTS, CASH AND RESTORATION OF NROC'S ECOSYSTEM: DO THE PROVISION RULES MATTER?

Achyut Kafle, University of Rhode Island
Co-Author(s): Stephen Swallow, University of Connecticut

SOURCES OF HYPOTHETICAL BIAS IN PUBLIC GOODS EXPERIMENTS: A DISAGGREGATED APPROACH

Emi Uchida, University of Rhode Island (URI)
Co-Author(s): Julie Insignares-Santos, URI

THE INFLUENCE OF DESIGN DIMENSIONS ON STATED CHOICES- AN EXAMPLE FROM ENVIRONMENTAL VALUATION USING A DESIGN-OF-DESIGNS APPROACH

Jürgen Meyerhoff, Technische Universität Berlin
Co-Author(s): Malte Oehlmann, Technische Universität Berlin, Germany and Priska Weller, Thünen Institut, Hamburg

10:30-12:00

ELECTRICITY DEMAND
Chairperson: Max Auffhammer, University of California (UC), Berkeley

Room KC 306

KNOWLEDGE IS (LESS) POWER: EXPERIMENTAL EVIDENCE FROM RESIDENTIAL ENERGY USE

David Rapson, UC, Davis
Co-Author(s): Katrina Jessoe, UC Davis

THE EFFECT OF A MANDATORY TIME-OF-USE PRICING REFORM ON RESIDENTIAL ELECTRICITY USE

Katrina Jessoe, UC Davis
Co-Author(s): David Rapson, UC Davis

POWERING UP CHINA: THE DRIVERS OF DOMESTIC ENERGY CONSUMPTION

Max Auffhammer, UC, Berkeley
Co-Author(s): Catherine Wolfram, UC, Berkeley

10:30-12:00

ECOLABELS AND VOLUNTARY MECHANISMS
Chairperson: Thomas Lyon, University of Michigan

Room KC 302

ECOLABEL COMPETITION AND GRADATION

Klaas van't Veld, University of Wyoming
Co-Author(s): Yuanhao Li, University of Wyoming

PARTICIPATION AND EFFICIENCY OF PAY-FOR-PERFORMANCE MECHANISMS

Hernan Bejarano, The Pennsylvania State University and Chapman University
Co-Author(s): James Shortle, The Pennsylvania State University

THIRD PARTY VERIFICATION AND THE EFFECTIVENESS OF VOLUNTARY POLLUTION ABATEMENT PROGRAMS: EVIDENCE FROM RESPONSIBLE CARE

Martina Vidovic, Rollins College
Co-Author(s): Michael Delgado, Purdue University and Neha Khanna, Binghamton University

A THEORY OF MULTI-TIER ECOLABELS

Thomas Lyon, University of Michigan
Co-Author(s): Carolyn Fischer, Resources for the Future

10:30-12:00

FORESTRY
Chairperson: Brooks Kaiser, University of Southern Denmark

Room KC 210

THE EFFECT OF TREE LOSS DURING DEVELOPMENT ON CARBON STORAGE AND THE VALUE OF HOMES.

Diane Hite, Auburn University
Co-Author(s): Luke Marzen, Auburn University and Brent Sohngen, The Ohio State University

MODELING A DYNAMIC FOREST SECTOR IN A GENERAL EQUILIBRIUM FRAMEWORK

Tian Xiaohui, The Ohio State University
Co-Author(s): Ron Sands, US Department of Agriculture and Brent Sohngen, The Ohio State University

DEFORESTING THE AMERICAN MIDWEST: PROPERTY RIGHTS AND RESOURCE DYNAMICS IN THE 19TH CENTURY.

Brooks Kaiser, University of Southern Denmark
Co-Author(s): Michael Margolis, Gettysburg College

- 10:30-12:00 **BIOENERGY** Room KC 201
 Chairperson: G Cornelis van Kooten, University of Victoria
- AN ECONOMIC ANALYSIS OF TRANSPORTATION FUEL POLICIES IN BRAZIL**
 Hayri Onal, University of Illinois at Urbana-Champaign
 Co-Author(s): Héctor Nuñez, CIDE Region Centro
- REFUELING BEHAVIOR AND ALTERNATIVE FUEL INFRASTRUCTURE**
 Shaun McRae, University of Michigan
 Co-Author(s): Ashley Langer, University of Arizona
- ECONOMICS OF BIOENERGY PRODUCT EXPORTS FROM FORESTS: UNINTENDED TRADE REPERCUSSIONS**
 G Cornelis van Kooten, University of Victoria
 Co-Author(s): Craig Johnston, University of Victoria and Linda Wong, University of Victoria
- 10:30-12:00 **MANAGING THE BLESSINGS AND CURSES OF EXHAUSTIBLE RESOURCES** Room KC 206
 Chairperson: Charles Séguin, Université du Québec à Montréal (UQAM)
- A CAPM-HOTELLING APPROACH TO MANAGING SOVEREIGN WEALTH FUNDS AND RESOURCE EXTRACTION**
 Ton Stefan van den Bremer, University of Oxford
 Co-Author(s): Frederick van der Ploeg, University of Oxford and Samuel Wills, University of Oxford
- OPTIMAL CARBON TAXES WITH NON-CONSTANT TIME PREFERENCE**
 Terrence Iverson, Colorado State University
- DOUBLE DIVIDEND OF NON-RENEWABLE RESOURCE TAXATION IN A FEDERATION WITH EQUALIZATION PAYMENTS**
 Charles Seguin, UQAM
 Co-Author(s): Jean-Denis Garon, UQAM
- 10:30-12:00 **A US CARBON TAX IN BROADER FISCAL REFORM** Room KC 105
 Chairperson: Adele Morris, The Brookings Institution (Brookings)
- ENVIRONMENTAL POLICY FOR FISCAL REFORM: CAN A CARBON TAX PLAY AN IMPORTANT ROLE?**
 Sugandha Tuladhar, NERA Economic Consulting
 Co-Author(s): Paul Bernstein, Scott Bloomberg, NERA Economic Consulting; W. David Montgomery, NERA Economic Consulting and Anne E. Smith, NERA Economic Consulting
- EFFICIENCY AND DISTRIBUTIONAL IMPACTS OF FISCAL CONSOLIDATION WITH CLIMATE POLICY**
 Sebastian Rausch, ETH Zurich
 Co-Author(s): Jan Imhof, ETH Zurich

CARBON TAXES, TAX REFORM, AND DEFICIT REDUCTION

Roberton Williams, University of Maryland, College Park, Resources for the Future (RFF) and NBER

Co-Author(s): Jared Carbone, University of Calgary and RFF and Richard Morgenstern, RFF

CARBON TAXES, U.S. FISCAL POLICY AND SOCIAL WELFARE

Richard Goettle, Northeastern University

Co-Author(s): Allen Fawcett, US Environmental Protection Agency (EPA); Mun Sing Ho, Harvard University; Dale Jorgenson, Harvard University; Eric Smith, US EPA; and Peter Wilcoxon, Syracuse University and Brookings

THE POTENTIAL ROLE OF A U.S. CARBON TAX IN FISCAL REFORM

Adele Morris, Brookings

Co-Author(s): Warwick McKibbin, Australian National University and The Brookings Institution and Pete Wilcoxon, Syracuse University and Brookings

10:30-12:00

FISHERIES

Room KC 203

Chairperson: Quinn Weninger, Iowa State University

THE MULTI-SPECIES ASPECT OF LABOR SUPPLY DECISIONS IN SPATIAL BIO-ECONOMIC FISHERY MODELS

Tess Stafford, University of New South Wales

CAN FISHERIES RATIONALIZATION IMPROVE POVERTY IN DEVELOPING COUNTRIES?

James Wilen, University of California-Davis

FISHERY DISCARDS UNDER HARVEST UNCERTAINTY AND TRADING FRICTIONS

Quinn Weninger, Iowa State University

Co-Author(s): Rajesh Singh, Iowa State University

12:00-01:30

LUNCH

Vistas Dining Room (Sally Borden Bldg, 4th Floor)

01:30-03:00

PARALLEL SESSION 6

01:30-03:00

CLIMATE POLICY AND CARBON LEAKAGE

Room KC 101

Chairperson: Don Fullerton, University of Illinois

THE TRADE-OFFS BETWEEN INTRA- AND INTERGENERATIONAL EQUITY IN CLIMATE POLICY

Linda Nostbakken, University of Alberta

Co-Author(s): Snorre Kverndokk, Ragnar Frisch Centre for Economic Research and Eric Nævdal, Ragnar Frisch Centre for Economic Research

BORDER CARBON ADJUSTMENT AND POTENTIAL TRADE RETALIATION: AN EVALUATION WITH MIRAGE-E

Stéphanie Monjon, University Paris Dauphine, CEPII and CIRED

Co-Author(s): Jean Fouré, CEPII and Houssein Guimbard, CEPII

TECHNOLOGY SPILLOVERS EMBODIED IN INTERNATIONAL TRADE: INTERTEMPORAL, REGIONAL AND SECTORAL EFFECTS IN A GLOBAL CGE FRAMEWORK

Enrica De Cian, Fondazione Eni Enrico Mattei (FEEM)
Co-Author(s): Ramiro Parrado, FEEM

LEAKAGE, WELFARE, AND COST-EFFECTIVENESS OF CARBON POLICY

Don Fullerton, University of Illinois
Co-Author(s): Kathy Baylis, University of Illinois and Daniel Karney, University of Illinois

01:30-03:00

**SPONSORED SESSION III
EXTREME HOME MAKEOVER: CONTAMINATION ADDITION**
Chairperson: Vic Adamowicz, University of Alberta

Room KC 103

MEASURING THE IMPACT OF FRACKING ON SURROUNDING HOMES

Presenter: Christopher Timmins, Duke University
Co-Author(s): Beia Spiller, Environmental Defense Fund and Lucija Muehlenbachs, Resources for the Future

TO SELL OR NOT TO SELL: THE IMPACTS OF POLLUTION ON HOME TRANSACTIONS

Presenter: Dennis Guignet, US Environmental Protection Agency
Discussant: John Loomis, Colorado State University

01:30-03:00

VALUATION III
Chairperson: Nicholas Flores, University of Colorado, Boulder

Room KC 205

STRUCTURAL BENEFITS TRANSFER USING BAYESIAN ECONOMETRICS

Daniel Phaneuf, University of Wisconsin, Madison
Co-Author(s): George Van Houtven, RTI International

EXPLOITING WEAK COMPLEMENTARITY IN PROPERTY VALUE MODELS: THE CASE OF THE MOUNTAIN PINE BEETLE IN THE COLORADO FRONT RANGE

Kevin Boyle, Virginia Tech
Co-Author(s): Christine Blinn, Virginia Tech; Jed Cohen, Virginia Tech; Thomas Holmes, USDA Forest Service; and Klaus Moeltner, Virginia Tech

THE EFFECTS OF WIND TURBINES ON RHODE ISLAND HOME VALUES

Susan Gorelick, University of Rhode Island
Co-Author(s): Jim Opaluch, University of Rhode Island

NON-PARAMETRIC TESTING OF CONTINGENT VALUATION DOUBLE-BOUNDED DATA

Nicholas Flores, University of Colorado, Boulder
Co-Author(s): Donald Waldman, University of Colorado, Boulder

01:30-03:00

ECOSYSTEM SERVICES AND MARKETS
Chairperson: Michael Springborn, University of California (UC), Davis

Room KC 105

MANAGING INTERACTING DISTURBANCES TO ACHIEVE MULTIPLE ENVIRONMENTAL OBJECTIVES

Travis Warziniack, US Forest Service

THE INFLUENCES OF CREDITS STACKING ON ENVIRONMENTAL CREDITS TRADING MARKET: FARMER'S PARTICIPATION INCENTIVES, SOCIAL EFFICIENCY AND POTENTIAL ENVIRONMENTAL CONSEQUENCES

Pengfei Liu, University of Connecticut

Co-Author(s): Stephen Swallow, University of Connecticut

IMPACT OF THE GRAIN FOR GREEN PROGRAM ON FOREST COVER IN CHINA

Guanglong Fu, University of Rhode Island (URI)

Co-Author(s): Emi Uchida, URI; Xiangzheng Deng, Center for Chinese Agricultural Policy; John Gibson, Waikato Management School; Jikun Huang, Center for Chinese Agricultural Policy; Scott Rozelle Stanford University; and Muna Shah, URI

CREDITING UNCERTAIN ECOSYSTEM SERVICES IN A MARKET

Michael Springborn, UC, Davis

Co-Author(s): Juhwan Lee, UC, Davis; Johan Six, UC, Davis; and Boon-Ling Yeo, UC, Davis

01:30-03:00

TOPICS IN SPATIAL ECONOMICS

Chairperson: Jinhua Zhao, Michigan State University

Room KC 201

A SPATIAL APPROACH TO ENERGY ECONOMICS

Juan Moreno-Cruz, Department of Economics, Georgia Institute of Technology

Co-Author(s): M. Scott Taylor, University of Calgary

ARE CHINA'S CITIES GROWING UP OR OUT? A PANEL ANALYSIS OF URBAN SPATIAL STRUCTURE FROM 1950-2000

Peter Christensen, Yale University

IS THE HEMLOCK WOOLLY ADELGID IMPACT ON PROPERTY VALUES A "CANARY OF GLOBAL WARMING"?

Xiaoshu Li, Virginia Tech

Co-Author(s): Kevin Boyle, Virginia Tech; Thomas Holmes, USDA Forest Service; Klaus Moeltner, Virginia Tech University; David Orwig, Harvard University; and Evan Pressier, University of Rhode Island

INFORMATION AND TECHNOLOGY ADOPTION ACROSS SPACE: THE DRIFT-DIFFUSION APPROACH

Jinhua Zhao, Michigan State University

01:30-03:00

ENERGY CONSERVATION

Chairperson: Meredith Fowlie, University of California, Berkeley

Room KC 203

**DO SOCIAL NORMS MATTER TO ENERGY SAVING BEHAVIOR ?:
SOCIAL ENDOGENOUS AND CORRELATED EFFECTS**

Toshi Arimura, Waseda University
Co-Author(s): Hajime Katayama, Waseda University and Mari Sakudo,
Development Bank of Japan

**FACTORS INFLUENCING GERMAN HOUSE OWNERS'
PREFERENCES ON ENERGY RETROFITS**

Martin Achtnicht, Centre for European Economic Research (ZEW)
Co-Author(s): Reinhard Madlener, RWTH Aachen University

MEASURING THE ENERGY SAVINGS FROM TREE SHADE

Joe Maher, University of Maryland, College Park

**ENCOURAGING PARTICIPATION IN A FREE ENERGY EFFICIENCY
PROGRAM**

Meredith Fowlie, University of California, Berkeley
Co-Author(s): Michael Greenstone, Massachusetts Institute of
Technology and Catherine Wolfram, University of California, Berkeley

01:30-03:00

EMISSION POLICIES

Chairperson: Matthew Zaragoza-Watkins,
University of California (UC), Berkeley

Room KC 306

**DO ENVIRONMENTAL RIGHT-TO-KNOW LAWS AFFECT
MARKETS? CAPITALIZATION OF INFORMATION IN THE TOXIC
RELEASE INVENTORY**

Ralph Mastromonaco, University of Oregon

**DO FEDERAL ENERGY SUBSIDIES IN THE UNITED STATES LEAD
TO CO2 EMISSIONS REDUCTION IN THE ELECTRICITY MARKET
(1994-2010)?**

Karen Maguire, Oklahoma State University

**THE EFFECT OF EMISSION INFORMATION ON HOUSING PRICES
IN GERMANY**

Daniel Römer, Centre for European Economic Research (ZEW)
Mannheim
Co-Author(s): Kathrine Lausted Veie, University of Copenhagen and
Alexander Rohlf, ZEW Mannheim

**THE ENVIRONMENTAL IMPACT OF DIESEL POWERED
PASSENGER VEHICLES: TRADING OFF MARGINAL DAMAGES
FROM LOCAL AIR POLLUTANTS AND CO2**

Matthew Zaragoza Watkins, UC, Berkeley
Co-Author(s): Max Auffhammer, UC, Berkeley and Ryan Kellogg,
University of Michigan

01:30-03:00

WEATHER

Chairperson: Jeanne Tschopp, University of British Columbia

Room KC 206

**WEATHER SHOCKS IN A GLOBALIZED WORLD:
A FIRM-LEVEL ANALYSIS.**

Jonathan Colmer, London School of Economics
Co-Author(s): Ralf Martin, Imperial College London; Mirabelle Muuls,
Imperial College London; and Ulrich Wagner, Universidad
Carlos III Madrid

**POLITICS UNDER THE WEATHER: DROUGHTS, PARTIES, AND
ELECTORAL OUTCOMES**

Sebastian Miller, Inter-American Development Bank
Co-Author(s): Paulo Bastos, The World Bank

**EXTREME WEATHER EVENTS: DIRECT AND ECONOMICALLY
MEDIATED EFFECTS ON BIRTH OUTCOMES**

Gulcan Cil, University of Oregon
Co-Author(s): Trudy Ann Cameron, University of Oregon and Jason
Lindo, University of Oregon

THE CREATIVE DESTRUCTION OF HURRICANES

Jeanne Tschopp, University of British Columbia
Co-Author(s): Martino Pelli, University of Alberta

03:00-03:30 **BREAK**

03:30-05:00 **PARALLEL SESSION 7**

3:30-05:00 **CLIMATE POLICY AND RENEWABLE ENERGY** Room KC 101
Chairperson: Harrison Fell, Colorado School of Mines

**THE CALIFORNIA SOLAR INITIATIVE: LESSONS FOR RENEWABLE
ENERGY POLICY**

Steven Sexton, North Carolina State University

**OVERLAPPING ENVIRONMENTAL POLICIES: WHEN DOES
RENEWABLE ELECTRICITY REDUCE POLLUTION?**

Kevin Novan, University of California, Davis

**THE EFFECTS OF RENEWABLE ENERGY POLICIES ON LEAKAGE
UNDER CAP-AND-TRADE**

Harrison Fell, Colorado School of Mines
Co-Author(s): Joshua Linn, Resource for the Future

03:30-05:00 **SPONSORED SESSION IV** Room KC 103
**OIL RIGS AND BIG RIGS: NORTH AMERICAN
ENVIRONMENTAL ISSUES**
Chairperson: Kathleen Segerson, University of Connecticut

**THE IMPACT OF INSPECTOR GROUP SIZE ON ENFORCEMENT:
EVIDENCE FROM OIL PLATFORMS IN THE GULF OF MEXICO**

Presenter: Lucija Muehlenbachs, Resources for the Future
Co-Author(s): Mark A. Cohen, Vanderbilt University
Discussant: Dietrich Earnhart, University of Kansas

**EFFECTIVE POLICIES FOR TRANSPORTATION AND POLLUTION
ON NORTH AMERICA'S TWO INTERNATIONAL BORDERS**

Presenter: Linda Fernandez, Virginia Commonwealth University

Co-Author(s): Monica Das, Skidmore College

Discussant: David Austin, Congressional Budget Office

03:30-05:00

VALUATION IV

Chairperson: Bruno Wichmann, University of Alberta

Room KC 205

**THE ROLE OF VOTE DISTRIBUTION PERCEPTIONS IN
MULTINOMIAL-CHOICE VALUATION SURVEYS**

Matthew Interis, Mississippi State University

Co-Author(s): Daniel Petrolia, Mississippi State University

**BEYOND SOCIAL DESIRABILITY BIAS: USING MULTIPLE
PREDICTION GROUPS WITHIN AN INFERRED VALUATION
FRAMEWORK**

Alicia Entem, University of Alberta

Co-Author(s): Vic Adamowicz, University of Alberta; Peter Boxall,

University of Alberta; and Stephanie Simpson, University of Alberta

**CORRESPONDENCE AND EFFICIENCY IN FORECASTS OF
ECOSYSTEM SERVICE BENEFITS**

Douglas Patton, University of Georgia (UGA)

Co-Author(s): John Bergstrom, UGA; Alan Covich, UGA; and Rebecca Moore, UGA

**ESTIMATION OF NON-MARKET VALUES IN THE PRESENCE
OF SOCIAL NETWORK EFFECTS: THE CASE OF ADVISORY
REFERENDA**

Bruno Wichmann, University of Alberta

03:30-05:00

ECOSYSTEMS

Chairperson: Rebecca Epanchin-Niell, Resources for the Future (RFF)

Room KC 105

**COST-EFFECTIVE MANAGEMENT OF AQUATIC INVASIVE SPECIES
IN THE PACIFIC NORTHWEST: THE CASE OF NEW ZEALAND
MUDSNAILS**

Youngah Lim, Oregon State University, Applied Economics

**THE OPTIMAL MANAGEMENT OF A NATURAL RESOURCE WITH
SWITCHING DYNAMICS**

Michele Baggio, ETH Zurich

**DESIGNING COST-EFFICIENT SURVEILLANCE STRATEGIES FOR
EARLY-DETECTION OF INVASIVE SPECIES**

Rebecca Epanchin-Niell, RFF

Co-Author(s): Eckehard Brockerhoff, Scion (New Zealand Forest Research Institute); John Kean, AgResearch; and James Turner,

AgResearch, Ruakura Research Centre

03:30-05:00 **ENERGY EFFICIENCY** Room KC 203
Chairperson: Severin Borenstein,
University of California (UC), Berkeley

CASH FOR APPLIANCES: THE IMPACT OF STATE REBATE PROGRAMS ON ENERGY-EFFICIENT APPLIANCE INVESTMENTS

Sebastien Houde, Stanford University
Co-Author(s): Joseph Aldy, Harvard University

DOUBLE MORAL HAZARD AND THE ENERGY EFFICIENCY GAP

Gaetan Giraudet, CIRED
Co-Author(s): Sebastien Houde, Stanford University

IS ENERGY EFFICIENCY CAPITALIZED IN HOME PRICES? EVIDENCE FROM THREE CITIES

Margaret Walls, Resources for the Future (RFF)
Co-Author(s): Todd Gerarden, Harvard University and Karen Palmer, RFF

A FRAMEWORK FOR EVALUATING ENERGY EFFICIENCY REBOUND AND SOME IMPLICATIONS

Severin Borenstein, UC, Berkeley

03:30-05:00 **ENVIRONMENTAL ECONOMETRICS** Room KC 201
Chairperson: Nicolai Kuminoff, Arizona State University (ASU)

UNDERWATER? HOUSEHOLD FINANCES AND MIGRATION DECISIONS AFTER A FLOOD: THE CASE OF HURRICANE KATRINA

Justin Gallagher, Case Western Reserve University
Co-Author(s): Daniel Hartley, Federal Reserve Bank of Cleveland

COLLAPSE: HOW SPATIAL INTERPOLATION STRATEGIES CHOOSE TO FAIL OR SUCCEED

Corey Lang, University of Rhode Island

GENERALIZED NEAREST-NEIGHBOR ESTIMATORS FOR PROPERTY MATCHING MODELS

Klaus Moeltner, Virginia Tech
Co-Author(s): Joshua Abbott, ASU and H. Allen Klaiber, Ohio State University

CAN SORTING MODELS HELP US EVALUATE THE EMPLOYMENT EFFECTS OF ENVIRONMENTAL REGULATIONS?

Nicolai Kuminoff, ASU
Co-Author(s): Todd Schoellman, ASU and Christopher Timmins, Duke University

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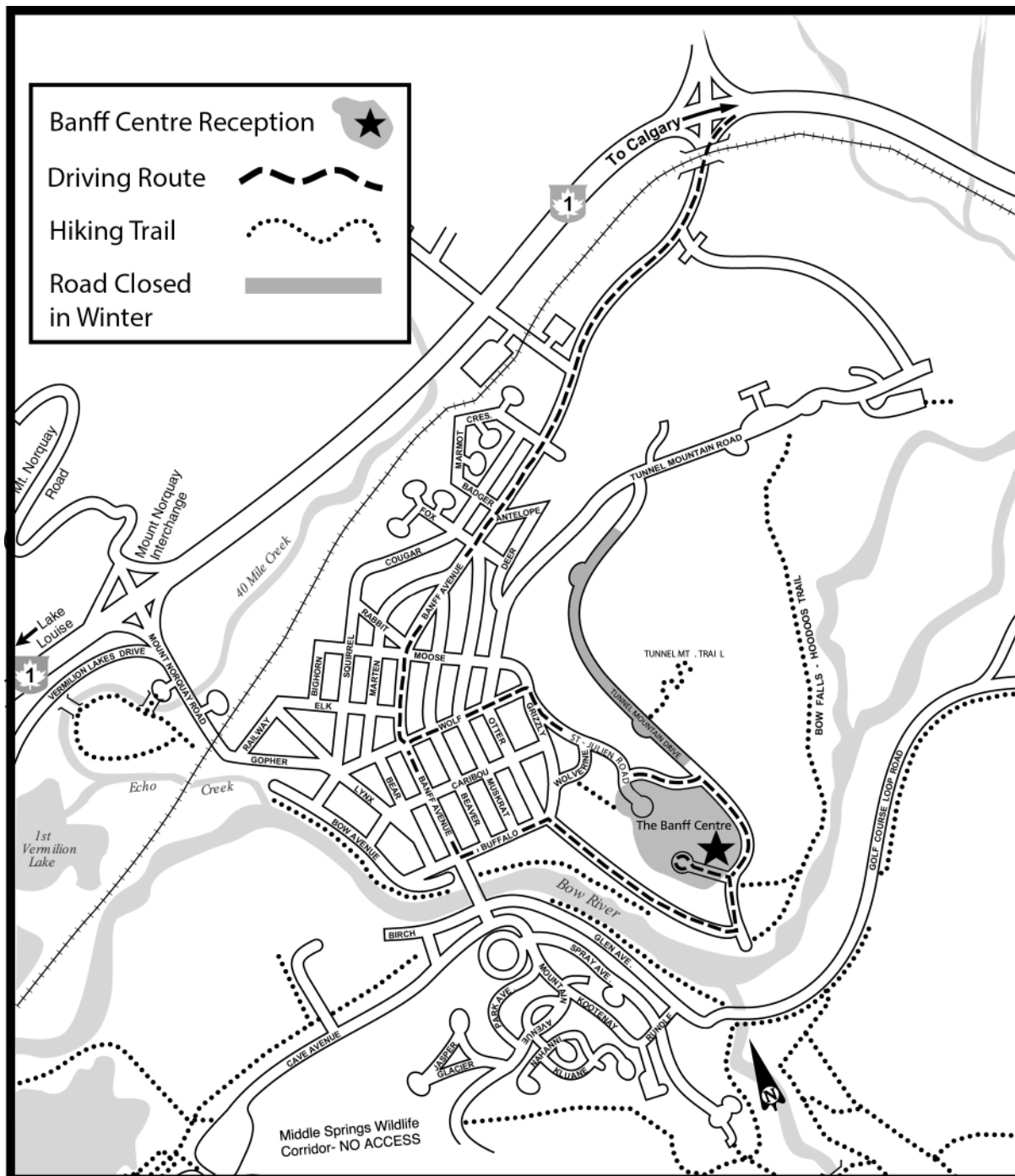
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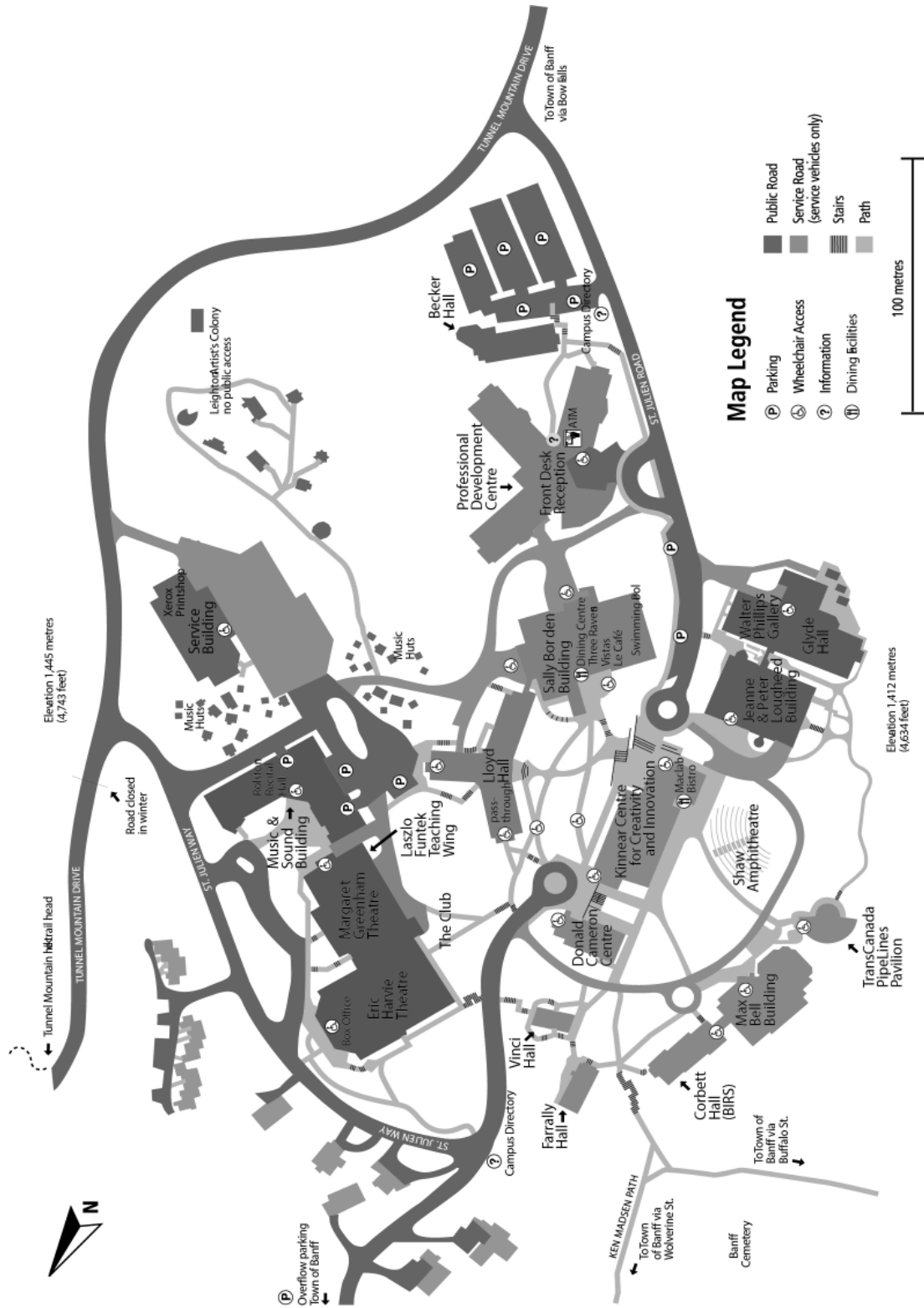
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Wolff, Hendrik
Wolfram, Catherine
Wolverton, Ann
Wu, JunJie
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Town of Banff



The Banff Centre



Conference Participants

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Joshua	Abbott	Arizona State University
Charles	Abdalla	The Pennsylvania State University
Ryan	Abman	University of California-Santa Barbara
Jay	Abolofia	University of California-Davis
Martin	Achtnicht	Zentrum für Europäische Wirtschaftsforschung GmbH (ZEW) Mannheim
Vic	Adamowicz	University of Alberta
Younes	Ahmadi	University of Calgary
Emma	Aisbett	University of Hamburg
Joseph	Aldy	John F. Kennedy School of Government, Harvard University
Stefan	Ambec	Toulouse School of Economics
Amy	Ando	University of Illinois at Urbana-Champaign
Werner	Antweiler	University of British Columbia
Toshi	Arimura	Waseda University
Maximilian	Auffhammer	University of California - Berkeley
David	Austin	Congressional Budget Office
David	Bael	University of Minnesota
Michele	Baggio	ETH Zurich
Scott	Barrett	Columbia University
Chris	Barrington-Leigh	McGill University
Katherine	Baylis	University of Illinois at Urbana-Champaign
Hernan	Bejarano	The Pennsylvania State University
Kathleen	Bell	University of Maine
Hassan	Benchekroun	McGill University
Antonio	Bento	Cornell University
David	Bielen	Duke University
Daniel	Bigelow	Oregon State University
Severin	Borenstein	University of California-Berkeley
Branko	Boskovic	University of Alberta
Peter	Boxall	University of Alberta
Kevin	Boyle	Virginia Tech
John	Braden	University of Illinois at Urbana-Champaign
Daniel	Brent	University of Washington
Beverly	Brereton	ISO New England
Susanne	Brooks	Environmental Defense Fund
Keith	Brouhle	Grinnell College
Linda	Bui	Brandeis University
Robert	Cairns	McGill University
Jonathan	Camuzeaux	Environmental Defense Fund
Arthur	Caplan	Utah State University
Jared	Carbone	University of Calgary
Katherine	Carson	HQ USAFA/DFEG
Jill	Caviglia-Harris	Salisbury University
Ujjayant	Chakravorty	Tufts University
Patricia	Champ	US Forest Service, Rocky Mountain Research Station
Suk Won	Choi	The Ohio State University
Peter	Christensen	Yale University
Gulcan	Cil	University of Oregon
Karen	Clay	Carnegie Mellon University

Jay	Coggins	University of Minnesota
Jonathan	Colmer	London School of Economics
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