

FROM THE PRESIDENT...

As always there are many new and exciting things going on at AERE! We have a number of activities on the go and I hope you will have the opportunity to take part in one of the conferences, workshops, or events outlined in the newsletter. I know we are all busy with our professional activities and I hope AERE helps you in advancing your work and offers the opportunity to engage with colleagues professionally and socially.

AERE Summer Conference in Breckenridge

The fifth AERE summer conference will be held at the beautiful Beaver Run Resort and Conference Center in Breckenridge—the largest historic district in Colorado. This year’s conference had the highest number of paper submissions and 370 people are registered! Conference co-organizers Harrison Fell (Colorado School of Mines) and Dan Kaffine (University of Colorado Boulder), with support from Peter Berck (University of California, Berkeley), Patty Champ (US Forest Service, Rocky Mountain Research Stations), and John Loomis (Colorado State University) have compiled an excellent program and the welcome reception will no doubt be a very enjoyable social event. New this year—a cash bar meet-and-greet on Friday at 5:30 pm so people can get together before walking downtown for dinner and some fun in town. Given my experience with the Banff Conference, I know that it takes a great deal of effort to put together an AERE summer conference including the organizational aspects, managing the paper review process, and all the other details. Sincere thanks to the team for organizing such an outstanding event.

The conference will feature sponsored sessions on the following themes: (1) Behavioral Economics and the Environment and (2) Adaptation to Climate Change. These are both important and emerging topics in our profession and I know we will all benefit from the discussion and debate in these areas. There will also be a special session on *The 2010 Gulf of Mexico Oil Spill: Estimating the Economic Losses*. This will be the first public presentations of the academic work related to the Gulf spill, and is the largest set of revealed/stated preference studies ever conducted.

Events begin on Thursday, June 9th, with a pre-conference workshop on “Big Data in Environmental and Resource Economics” led by Matthew Harding (Duke University) and Qing Wu (Senior Economist at

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Google). This is an exciting topic and the workshop was in high demand. The conference welcome reception will be held that evening. I look forward to seeing many of you there and hope you enjoy the opportunity to meet with old friends and make new ones.

As in most AERE summer conferences, only about half of the papers submitted to the conference could be accepted for presentation because of limitations on space. The organizers received 582 submissions. They were able to accept 264 for the general sessions and 12 for the sponsored sessions for a total of 276 papers for oral presentations. In addition, there will be 12 posters in the session that takes place on Friday, June 10, during the boxed lunch break. Please take the time to view the posters and meet the authors. This year there are no separate graduate student sessions but there are a number of graduate students presenting in the various sessions. Please do your part in ensuring that the conference provides a supportive environment for them.

On Saturday, June 11th, the Keynote address will be given by Catherine Wolfram (University of California, Berkeley) on the topic "Effective Carbon Mitigation Strategies." Catherine is one of the world's leading energy and climate policy scholars and we very much look forward to her address.

One of AERE's most important events at the summer meeting is the awards program, which will follow lunch on June 11th. At that time, the AERE Fellows for 2015 will be announced, as well as the winners for the Publication of Enduring Quality (PEQ) award and the outstanding publication in *JAERE* (the Ralph C. d'Arge and Allen V. Kneese Award for Outstanding Publication in the *Journal of the Association of Environmental and Resource Economists*).. The recipients of these awards have been notified but have been asked to keep it a secret!

I would like to thank the AERE Officers and Board members for their help in the selection of the AERE Fellows and the members of the committees for selection of the PEQ and best *JAERE* paper. Hilary Sigman (Rutgers University), Brian Copeland (University of British Columbia), and Frances Homans (University of Minnesota) served on the PEQ committee and Dan Phaneuf, *JAERE* editor (University of Wisconsin, Madison), H. Allen Klaiber (The Ohio State University), and Chris Timmins (Duke University) selected the winner of the d'Arge and Kneese award. Please consider nominating individuals as AERE Fellows and/or serving on one of these committees. Recognizing excellence in environmental and resource economics is one of AERE's key roles.

The AERE Summer Conference relies on advice and financial support from its sponsors and we are very thankful to our many sponsoring organizations. Two U.S. Government Agencies: the National Oceanic and Atmospheric Administration (NOAA) and the Economic Research Service (ERS) of the U.S. Department of Agriculture have been longstanding supporters of the AERE conference. Thanks to Norman Meade (NOAA) and Marca Weinberg (USDA, ERS) for their support and for serving ex-officio on the Organizing Committee. We would also like to thank The Brattle Group (Platinum), GE ECOMagination (Gold), the Payne Institute (Gold), the National Renewable Energy Laboratory (Silver), and the University of Colorado Boulder (Silver) for their generous financial support of the conference. Please take the time to thank representatives of our sponsoring organizations personally.

For more details on the Breckenridge conference, please click [here](#). I hope to see you there!

AERE Elections and the Board

The AERE board is made up of a committed group of people who volunteer their time to advance our organization. First, I'd like to thank our outgoing Vice President, Richard Newell (Duke University), and board members, Max Auffhammer (University of California, Berkeley) and Nicholas Flores (University of Colorado Boulder) for their outstanding contributions to the Board. Welcome to President Elect Laura Taylor (North Carolina State University), Vice President Sheila Olmstead (University of Texas, Austin), and board members Severin Borenstein (University of California, Berkeley) and Billy Pizer (Duke University).

AERE Sessions at National and Regional Meetings

Every year there are AERE sessions at various national and regional meetings and this year is no exception. Thanks to outstanding AERE volunteers and the time and energy they put into developing the programs at these meetings, we have a great slate of papers and presentations coming up. The AERE program committee consists of Katrina Jessoe, (University of California, Davis), Chair; Nicolai Kuminoff (Arizona State University), and Soren Anderson (Michigan State University). They have helped organize the AERE sessions at the **Agricultural & Applied Economics Association** (AAEA) meeting in Boston this July and will be working on the sessions of the **Allied Social Science Associations** (ASSA) meeting in Chicago, Illinois, in January 2017. Trudy Ann Cameron (University of Oregon), Randy Bluffstone (Portland State University) and Noelwah Netusil (Reed College) organized sessions for the Western Economic

Association International this coming summer in Portland, Oregon and John Whitehead (Appalachian State University) will once again organize sessions for the annual meeting of the **Southern Economic Association** this November in Washington, DC. Lea-Rachel Kosnik (University of Missouri, St. Louis) has also again volunteered to organize AERE sessions at next year's **Midwest Economics Association (MEA)** annual meeting in Cincinnati, Ohio. See the Call for Papers in this issue for details.

Upcoming AERE Events and News Items

As announced at the ASSA meeting this past January, the Sixth AERE Summer Conference will be held May 31 – June 2, 2017 at the beautiful and historic Omni William Penn Hotel in Pittsburgh, Pennsylvania! Karen Clay and Edson Severnini of Carnegie Mellon University and Randy Walsh and Jeremy Weber of the University of Pittsburgh submitted a proposal that got us very excited about this city ranked as the most livable in the US by *The Economist* magazine in 2014. Easy to get to with downtown accessibility to its three rivers offering kayaking and paths for biking and hiking plus a vibrant center city nightlife—it's a first-class destination for our next conference. Watch for more news about the Pittsburgh conference soon!

Another important announcement at the ASSA was the first winner of AERE's Outstanding Doctoral Dissertation Award (recently renamed the Wallace E. Oates Outstanding Doctoral Dissertation Award): Kailin Kroetz (PhD from the University of California, Davis, now at Resources for the Future). Kailin's advisor was Jim Sanchirico (University of California, Davis). The next award will be presented at the winter meeting in Chicago in January 2017. It includes a cash prize of \$1,500 and a \$500 travel grant to attend the meetings. Please see the article in this newsletter regarding the award. Thanks to Gib Metcalf (Tufts) and his committee for their work in raising funds to endow the Oates Award.

In addition, I'm also very excited to share the announcement of the location of the 2018 World Congress of Environmental and Resource Economists (WCERE). There were excellent bids and a difficult choice had to be made. The selection committee recommended Gothenburg, Sweden—a fantastic choice! The presidents and executive director / secretary generals of AERE, EAERE and EAAERE met via conference call recently and endorsed that recommendation. Please join me in thanking the Site Selection Committee including AERE representatives Laura Taylor (North Carolina State University) and Jeff Englin (Arizona State University), and committee chair

Cees Withagen (VU, Netherlands). Gothenburg hosted one of the finest EAERE conferences (2008) and I am sure they will use this experience in designing an excellent WCERE. Having spent part of a recent sabbatical there I can attest to the excellent opportunities for tourism, food, and culture in a fine city as well as a wonderful group of hosts, led by Thomas Sterner (University of Gothenburg).

After six years of service, Future Field Solutions (FFS—formerly Vander Management) decided not to renew its contract with AERE this year so we recently signed on with a new management firm—Kautter Wenhold Management Group (KWMG). We look forward to working with Dave Wenhold and his team at KWMG who will support our membership, communications, finances, and web services. Watch for a re-fresh of our web presence soon! We wish FFS all the best in its future endeavors and want to thank Lynn Van Norstrand, Susanne Dieper, and Rachel Archer (who recently joined FFS) for their work and support over the years.

We would also like to announce that AERE's Executive Director, Marilyn Voigt, has taken on additional duties with AERE and will be managing AERE's conferences and events, starting with Breckenridge. I know many of you join me in expressing appreciation for Marilyn's ongoing commitment and effort on AERE's behalf in addition to serving as co-editor of the *AERE Newsletter*. She and co-editor John Loomis, (who has solicited and edited essays for each issue for a number of years), along with assistant editor, Kathleen Meaney Stobie, continue to provide excellent content in our AERE Newsletter – now in its 36th year of production.

Finally, I'd also like to once again thank the Board for their ideas, contributions of time, and enthusiasm. AERE benefits greatly from such wonderful volunteers. I'd also like to thank our AERE journal editors, Dan Phaneuf (University of Wisconsin, Madison) editor of *JAERE*, and Carlo Carrero (FEEM) editor of *REEP*, and Suzy Leonard, the managing editor of *REEP*, for their efforts on behalf of AERE. Watch for more news about AERE, our web page, upcoming events, and more.

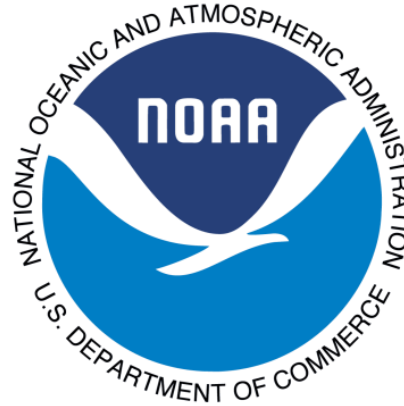
I look forward to seeing you in Colorado or at one of the other upcoming AERE events.

Vic

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AERE NEWS

AERE GRATEFULLY ACKNOWLEDGES THE FINANCIAL SUPPORT PROVIDED FOR ITS SUMMER CONFERENCE BY:



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AERE BOARD OF DIRECTORS MEETING

The AERE Board of Directors is meeting on Friday, June 10, 2016, from 5:30 – 8:30 pm at the AERE Summer Conference in Breckenridge, Colorado, at the Beaver Run Resort and Conference Center/Mercury Board Room. Anyone with matters to be brought before the Board should contact the AERE president:

W.L. (Vic) Adamowicz
University of Alberta
Edmonton, Alberta, Canada
vic.adamowicz@ualberta.ca

NOMINATIONS FOR AERE BOARD MEMBERS

This year, AERE members will vote for two new members of the Board of Directors who will serve for three years beginning in January 2017. The nominations are being handled by a committee chaired by AERE Vice President Sheila Olmstead (The University of Texas at Austin) with Carolyn Fischer (Resources for the Future) and Paul Ferraro (The Johns Hopkins University). Elections will be held in November 2016.

Nominations may also be made by the membership through petitions, each of which contains signatures of 5% of the association's members who are then in good standing. Such petitions should be sent to arrive at the AERE Secretary's (Sarah West) address no later than **August 1, 2016**.

Sarah E. West
Professor of Economics
Macalester College
1600 Grand Avenue
Saint Paul, MN 55105
wests@macalester.edu

AERE PUBLICATION OF ENDURING QUALITY AWARD 2016 CALL FOR NOMINATIONS

The AERE Board of Directors will present the annual award (to co-authors if appropriate) for a publication of enduring quality that appeared at least five years prior to the year of the award. Nominated works are to be evaluated on their seminal nature and enduring value. Place and type of publication are unrestricted but posthumous awards will not be given. Nominees may include individuals who are not members of AERE.

Evaluation of nominated works and final selection for the 2016 award will be undertaken by a committee chaired by Brian Copeland (University of British Columbia). Nomination packages should consist of four copies each of a cover letter, a document supporting the nomination, and the publication itself. The supporting document (not to exceed three pages) should include quantitative as well as qualitative information (e.g., number of citations or copies printed). Nominations should be sent to arrive no later than **December 1, 2016**. This is an important award for AERE and for the recipients. Please give serious consideration to nominating a publication and to observing the submission requirements.

Brian Copeland
University of British Columbia
Brian.Copeland@ubc.ca
Subject Line: AERE PEQ Award

**AERE FELLOWS 2016
CALL FOR NOMINATIONS**

This program recognizes outstanding contributions to the field by members of the association. The 2015 AERE Fellows will be announced at the AERE Summer Conference in June 2016.

Criteria: Awardees will have demonstrated a significant contribution to the advancement of the profession of environmental and resource economics. A candidate must be living at the time of nomination; membership in AERE is not required.

Nomination Process: Any member of AERE may nominate a candidate for Fellow. A nomination packet should include a vita of the nominee, a two-page nomination letter outlining what contributions the individual has made that warrant the award, and at least one additional letter of support from a second individual.

In addition, members of the AERE Board of Directors may consider candidates that have not been otherwise nominated that they feel are especially worthy.

Selection Process: Nomination packages are to be submitted by **December 1, 2016**, to the AERE President-Elect Laura O. Taylor:

Laura O. Taylor
**Director, Center for Environmental and
Resource Economic Policy**
**Professor, Department of Agricultural and
Resource Economics**
lotaylor@ncsu.edu
919-513-3761 (direct)

The president will distribute copies to each of the Board members who will select newly appointed Fellows from the set of nominations. Newly elected Fellows will be notified in advance to provide ample time to make travel arrangements to attend the Awards Program. In future years, a separate Fellows Committee may be impaneled to aid in the initial screening of candidates.

Maximum Number of Awards: Three for 2016

Inaugural AERE Fellows 2005

Maureen L. Cropper
W. Michael Hanemann
Karl-Göran Mäler
Wallace E. Oates
V. Kerry Smith
Tom Tietenberg

AERE Fellows 2006

Richard C. Bishop
Nancy E. Bockstael
Ronald G. Cummings
Anthony (Tony) C. Fisher
Geoffrey M. Heal
Clifford S. (Cliff) Russell

AERE Fellows 2007

Daniel W. Bromley
Gardner M. Brown, Jr.
Charles W. (Chuck) Howe
Kenneth E. (Ted) McConnell
Kathleen Segerson
David Zilberman

AERE Fellows 2008

Thomas Crocker
A. Myrick Freeman III
Alan Randall

AERE Fellows 2009

Richard T. Carson
Charles D. Kolstad
Robert N. Stavins

AERE Fellows 2010

Alan J. Krupnick
Stephen Polasky
Martin L. Weitzman

AERE Fellows 2011

Trudy Ann Cameron
William D. Nordhaus
James Wilen

AERE Fellows 2012

Lawrence H. Goulder
John B. Loomis
Robert Pindyck

AERE Fellows 2013

Joseph A. Herriges
Jason Shogren

AERE Fellows 2014

Don Fullerton
Catherine L. Kling

THE WALLACE E. OATES OUTSTANDING DOCTORAL DISSERTATION AWARD



1937 – 2015

The AERE Board of Directors has moved to recognize the many distinguished contributions of Wally Oates by naming the recently created AERE Outstanding Doctoral Dissertation Award in his honor and initiating a fund-raising drive to endow the award in perpetuity.

Wally was a seminal figure in the modern field of environmental economics. His book *The Theory of Environmental Policy*, coauthored with William Baumol, is a classic in the field and was honored by AERE as a Publication of Enduring Quality in 1993. Wally was also an inaugural AERE Fellow and served on the AERE Board from 1983 – 1986.

In addition to his pioneering scholarship in the field of environmental and resource economics, Wally was a mentor to many environmental economists in the field both through his role as a doctoral advisor and simply through his gentle and wise guidance given in innumerable seminars, conferences, and workshops.

The AERE Board feels that naming the new dissertation award in Wally's honor is a fitting and enduring way to honor his memory. The members of the Board invite you to join them in contributing to the Oates Endowment Fund for this award. AERE is a 501(c)(3) organization—all donations are tax exempt. Click [here](#) to donate online or mail your check (payable to AERE) to:

Marilyn M. Voigt
AERE Executive Director
1616 P St NW, Suite 600
Washington, DC 20036

Award Description

In 2014, AERE instituted the AERE Outstanding Doctoral Dissertation Award and made its first award of the prize at the Allied Social Sciences Association (ASSA) meeting in January 2016. Subsequent awards will be presented annually at the ASSA January meeting. Nominees for the Wallace E. Oates Outstanding Doctoral Dissertation Award are solicited from candidates who have earned their doctoral degree in the previous calendar year and who wrote a doctoral dissertation in environmental or resource economics. The award winner receives a \$1,500 cash award along with a \$500 travel grant to attend a recognition ceremony at the annual AERE Luncheon held each year during the ASSA annual meeting. The winner's dissertation abstract will be published in the *Journal of the Association of Environmental and Resource Economists*.

Nominations must come from the chair of the nominee's dissertation committee and must include (1) a nominating letter from the chair outlining the particular strengths and intellectual contributions of the dissertation, and (2) an electronic version of the final and completed doctoral dissertation. The nominating chair of the dissertation committee should be a current AERE member at the time of nomination. The deadline to submit is April 30th each year.

Dissertations are judged by a panel of AERE members selected by the AERE Board who rank submissions based on the originality of research, quality of implementation, expositional clarity, and intellectual and practical significance of research findings.

2014 Award Winner

Kailin Kroetz, University of California, Davis

Title: *The Costs of Restrictions in Tradable Permit Programs*

Dissertation Chair: James Sanchirico, UC Davis

REVIEW OF ENVIRONMENTAL ECONOMICS AND POLICY (REEP)

Building on Success – Next Steps for ‘Reflections’ and ‘Policy Monitors’ in the *Review of Environmental Economics and Policy (REEP)*

Carlo Carraro, Editor / Frank Convery, Features Editor

REEP was first published in 2007, with the objective of “providing a widely accessible yet scholarly source for the latest thinking on environmental economics and related policy”.

It is published twice annually – summer and winter. In terms of citations, its first 10 years have been hugely successful, **now being ranked 5th in Environmental Studies and 17th in Economics** according to the 2015 Journal Citation Reports® (Thomson Reuters, 2015).

Amongst its eight goals are:

- To strengthen the linkages between environmental economics research and environmental policy;
- To encourage communication and connections between academics and the wider policy community.

Ambition

As *REEP* enters its second decade, make the journal and its web site the main source globally of insight for policy practitioners on how to best access the economics research that informs the design and implementation of environmental policy.

The Challenge

An important vehicle for reaching the policy practitioner audience is the “Reflections” and “Policy Monitor” pieces, one each published in the Summer and Winter, each with a target word count of 8000; this amounts to 32,000 words (4 X 8,000) annually. These are very valuable, but our soundings with those in the policy process tell us that they would be more likely to engage with our work if the articles were much shorter, with a sharper and more specific focus on what environmental economics has to offer in helping them move policy forward that is informed by the insights of our profession.

The Proposal

We will continue to publish longer policy (8000 word) pieces – perhaps one to two a year – but expand the influence and impact of *REEP* on the policy community by:

- (a) Supporting the publication of a number of shorter pieces (~2000 words each) directed specifically

at the needs of the policy community. These will be called ‘Policy Briefs’;

- (b) Actively disseminating them to those in the policy process;

- (c) Making these relevant to a global policy audience.

We are proceeding forthwith with the policy briefs. Progress on dissemination and relevance for a global audience will depend in part on securing funding.

(a) The Policy Briefs

- 1) Each brief would have the following characteristics: address an issue or challenge of direct relevance to policy practitioners: be understandable to the latter, even where they have little or no economics training; be based on an understanding of the latest policy practice and literature, a theoretical framework, sufficient evidence to support the proposition; include a section (up to 500 words) indicating what steps are recommended for policy practitioners if they are to benefit from the insights. Links to relevant articles, videos, data sets and other supportive materials will be provided.

- 2) An important emphasis would be on learning from the past – the insights that careful *ex post* analysis of policy successes have to offer those who wish to learn from experience. However, others on relevant topics – e.g., cross cutting pieces on how to design policy instruments in ways that secure acceptance and outcomes that are fair and efficient, insights from behavioral economics and how to mobilize them, how to do *ex post* analysis in ways that are intellectually rigorous, cost effective and useful, how to interrogate and use economy-environment models, understanding the contribution of other disciplines – e.g., political science, law, anthropology, engineering to informing policy – competition or complements to economics?

- 3) The briefs submitted for consideration would be refereed independently by two referees – one an economist with expertise in the field in question, the other a policy practitioner who understood the issues involved in the design and implementation of policy. Approval of both would be necessary for publication to be considered.

- 4) Co-authorship between academics and economists working in the policy process would be encouraged.

- 5) It may make sense to curate on the web site pieces where the evidence is not sufficiently robust to be publishable, but is nevertheless rigorous and thorough, and access by policy practitioners would be valued.

(b) Dissemination

A *communications strategy* directed at reaching out to the policy communities which has the objective of knowing who they are, providing what they need to be informed, and making it as easy as possible for them to

AERE MEMBERSHIP OPTIONS

access the material and to understand it, and to act on the implications. If funding allows, provide a dedicated *Policy Practitioner Website* linked to *REEP*, which within three years has become the favorite go to web site for policy practitioners who are seeking insights. This would be the fulcrum of the communications strategy.

(c) Global Audience

The aspiration would be to develop a global audience on both the demand and supply side, including translation of policy practitioner briefs into Mandarin, Spanish, Arabic and Hindi.¹

Key targets would be: the staff of international organizations and agencies – OECD, IMF, IEA, UNEP, World Bank, Asian Infrastructure Investment Bank (AIIB) – international regional banks; within countries, Ministries for Finance and Budget, and the main energy and environmental agencies; key stakeholders in business, civil society, cities and regions.

Request for Support and Feedback

We need the following:

- A pipeline of policy brief proposals and submissions.
- A panel of reviewers from both the academic and policy practitioner worlds.

If you have an interest in this development, have ideas or proposals, and/or would be interested in acting as a reviewer, please send a note to Frank Convery (fconvery@edf.org)

AERE membership rates for 2016 remain the same. Please renew your membership and take advantage of the three-year payment plan—now available for individual, Institutional, and University members! Discounted rates are available for students as well as individual residents of low, lower-middle, and upper-middle income countries in accordance with the definition provided by the World Bank.

To become a **University Member**, a contribution of \$350/annual or \$999 (for three years) is required*. With this contribution, colleges and universities:

- may designate one person (or up to four students) to receive a 2016 individual membership in AERE. Benefits include an electronic subscription to the *Review of Environmental Economics and Policy (REEP)* and to AERE's new journal, the *Journal of the Association of Environmental and Resource Economists (JAERE)*. Please see the complete listing of membership benefits on the AERE web page.
- are entitled to a sponsorship listing on the AERE Web page (www.AERE.org) and in the *AERE Newsletter* and *JAERE*;
- will receive one free advertisement on the AERE Web page and in the *AERE Newsletter* for the calendar year (a savings of \$250).

To become an **Institutional Member** of AERE, a contribution of \$1,000 or \$2,850 (for three years) is required*. With this contribution, institutions receive the above benefits plus:

- one complimentary registration to the 2016 AERE Summer Conference;
- two nontransferable tickets for institution staff to the annual AERE Business Meeting and Luncheon at the ASSA meeting in Chicago, Illinois in January 2017;
- recognition at the annual AERE Business Meeting and Luncheon at the ASSA meeting.

*Note: A discounted rate of \$100 for University and Institutional membership with some benefits (see the AERE web page under "Membership") is available for organizations located in low, lower-middle, and upper-middle income countries in accordance with the definition provided by the World Bank.

¹ Approx. population in millions: Mandarin (950), Spanish (400), English (365), Arabic (350), Hindi (300)

**6TH WORLD CONGRESS OF
ENVIRONMENTAL AND RESOURCE
ECONOMISTS**



World Congress of Environmental
and Resource Economists

**Gothenburg, Sweden
June 25th-29th, 2018**

The Association of Environmental and Resource Economists (AERE), the East Asian Association of Environmental and Resource Economics (EAAERE), and the European Association of Environmental and Resource Economists (EAERE) announce that the 6th World Congress of Environmental and Resource Economists will be held in Gothenburg, Sweden, from June 25th to June 29th, 2018. The Congress will be organized by the University of Gothenburg, with Prof. Thomas Sterner chairing the Local Organizing Committee. The Program Committee Co-Chairs will soon be announced.

AERE MEMBERSHIP SERVICES

Please direct any questions or requests regarding your membership, subscriptions to *JAERE*, *REEP*, luncheon or AERE Summer Conference registrations, receipts, or related membership matters to:

AERE Membership Services

info@aere.org

Telephone: 407-774-7880

Marilyn M. Voigt, AERE Executive Director, can be reached at:

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AERE Newsletter

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Department of Agricultural and Applied Economics

Mark your calendar!

AERE 6th ANNUAL SUMMER CONFERENCE

May 31-June 2, 2017

Pittsburgh, Pennsylvania



AERE Summer Conferences

Excellence in Academic Programming - Collegiality in Destinations Worth Visiting

CALLS FOR PAPERS AND PROPOSALS

AERE NEWSLETTER

The *AERE Newsletter* is soliciting essays from AERE members about natural resource and environmental economics issues of general interest to the membership. These essays can be relatively short (6-10 double spaced pages) and address a topic that does not fit into the traditional journal outlet. There is currently no backlog, so your essay would likely be published in the November *AERE Newsletter*. Marilyn Voigt and I need your essay by the end of August for the November issue. If you wish to float an idea by me, feel free to contact me.

John Loomis
AERE Newsletter Co-Editor
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AGRICULTURAL & APPLIED ECONOMICS ASSOCIATION (AAEA)

July 30-August 1, 2017
Chicago, Illinois

Call for Papers: AERE Sessions

The 2017 Agricultural & Applied Economics Association (AAEA) will be held in Chicago, Illinois from July 30 – August 1, 2017. The AERE Program Committee, chaired by Nicolai Kuminoff (Arizona State University), will organize AERE sessions.

Authors wishing to have a paper considered for the AERE sessions should send a .pdf file by e-mail to:

Nicolai Kuminoff
Arizona State University
Email: kuminoff@asu.edu
**Subject Line: AERE AAEA--Surname of
corresponding author**

The deadline to submit is **January 15, 2017, midnight PST**. Only .pdf files will be accepted as electronic format. No submissions will be accepted via fax or postal mail. Abstracts cannot be jointly considered for inclusion in AERE sessions and in sessions sponsored by other associations at the AAEA meeting.

Files should be sent by the proposed presenter, who will be the contact for correspondence. No more than one submission will be accepted per presenter. The file must provide the following information according to this format:

1. Paper presenter's name, institutional affiliation, email address
2. All co-author(s) name(s), institutional affiliation(s), email address(es)
3. Title of paper
4. Brief abstract of the paper containing no more than 300 words, along with a word count
5. Up to six key words
6. References

The total file length should be two to three pages, with a maximum of three pages, including all of the required information. Papers submitted without all of the required information will not be considered. Electronic acknowledgements of submissions will be sent to all submitters. Proposals for complete sessions are also encouraged. Organizers of proposed sessions should submit complete information for EACH of the papers following the above instructions. Papers may be accepted or rejected on an individual basis unless the organizer specifically requests the session be considered only in its entirety.

Please note that all selected presenters must be 2017 AERE members and priority consideration for discussants will be given to current AERE members.

ALLIED SOCIAL SCIENCE ASSOCIATIONS (ASSA)

January 5-7, 2018
Atlanta Marriott Marquis
Atlanta, Georgia

Call for Papers: AERE Sessions

The 2018 annual winter meeting of the ASSA will be held in Atlanta, Georgia on January 5 - 7, 2018. The AERE Program Committee, chaired by Nicolai Kuminoff (Arizona State University), will organize AERE sessions. Authors wishing to have a paper considered for the AERE sessions should send a .pdf file by e-mail to:

Nicolai Kuminoff
Arizona State University
Email: kuminoff@asu.edu
Subject Line: AERE ASSA--Surname of
corresponding author

**10th ANNUAL MEETING OF THE
ENVIRONMENT FOR DEVELOPMENT
INITIATIVE (EfD)**

November 10 – 13, 2016
Pucón, Chile

The deadline to submit is **April 15, 2017, midnight PDT**. All submissions are to be sent electronically via e-mail. Only .pdf files will be accepted as electronic format. No submissions will be accepted via fax or postal mail. Abstracts cannot be jointly considered for inclusion in AERE sessions and in sessions sponsored by other associations at the ASSA meetings (e.g., general AEA sessions).

The EfD annual meeting is a forum to bring together researchers from EfD centers, their collaborators and other key stakeholders for exchange of research ideas, discussion of research proposals and presentation of results from EfD projects.

Files should be sent by the proposed presenter, who will be the contact for correspondence. No more than one submission will be accepted per presenter. The file must provide the following information according to this format:

The EfD network invites submission of full draft papers on topics related to environmental and resource economics in developing countries and relevant EfD themes. Please submit your manuscript online via Editorial Express, www.editorialexpress.com/efd, by **July 20, 2016**.

1. Paper presenter's name, institutional affiliation, email address
2. All co-author(s) name(s), institutional affiliation(s), email address(es)
3. Title of paper
4. Brief abstract of the paper containing no more than 300 words, along with a word count
5. Up to six key words
6. References

Selected authors will be notified by August 1, 2016, after which the registration for the annual meeting will be open. Final draft accepted papers must be submitted by October 15 to be included in the final program of the annual meeting.

Website: Click [here](#).

Papers submitted without all of the required information will not be considered. Electronic acknowledgments of submissions will be sent to all submitters.

**HEARTLAND ENVIRONMENTAL AND
RESOURCE ECONOMICS WORKSHOP
AT ILLINOIS**

Proposals for complete sessions are also encouraged. Organizers of proposed sessions should submit complete information for EACH of the papers following the above instructions. Papers may be accepted or rejected on an individual basis unless the organizer specifically requests the session be considered only in its entirety.

November 12 – 13, 2016
University of Illinois Memorial Union Hall
Urbana-Champaign, Illinois

Please note that all selected presenters must be 2018 AERE members and priority consideration for discussants will be given to AERE members.

The Heartland Workshop will be November 12-13, 2016, at University of Illinois, Urbana Champaign. (UIUC).

The call for papers will be out this summer, and registration will open in early fall. If you want to be added to our email list to receive the call for proposals and then the notice that registration is open, please email Heartland@illinois.edu with that request."

Website: click [here](#).

**MIDWEST ECONOMICS ASSOCIATION
(MEA) ANNUAL MEETING**

**March 31 – April 2, 2017
The Westin Cincinnati
Cincinnati, Ohio**

Call for Papers: AERE Sessions

Authors wishing to have a paper considered for the AERE sessions at the 2017 MEA Meeting should send a .pdf file by e-mail to:

**Dr. Lea-Rachel Kosnik
University of Missouri-St. Louis
kosnikl@umsl.edu
Subject Line: AERE MEA Abstract
Submission**

Deadline to submit is **September 1, 2016**. Files should be sent by the proposed presenter who will be the contact for correspondence. The file should contain the following information:

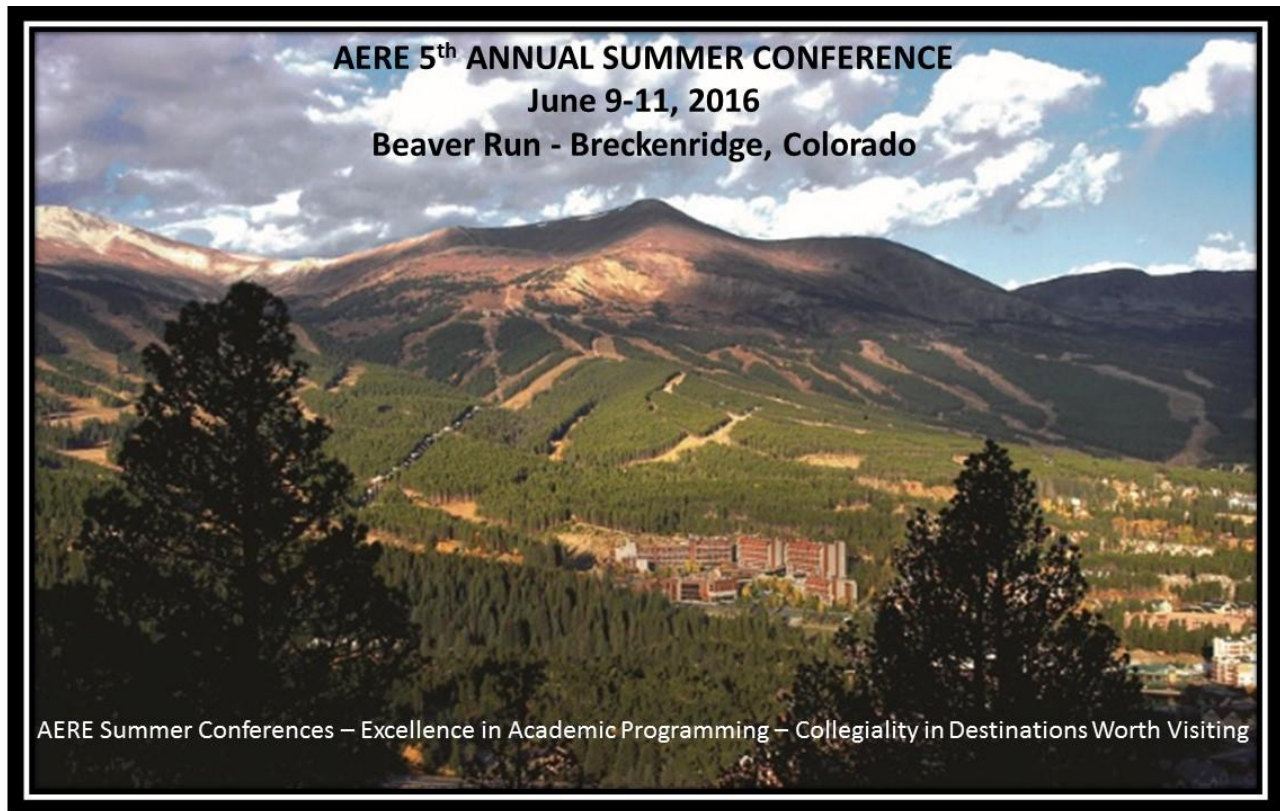
1. Author's (and co-author's) name, address, affiliation, telephone number, and e-mail address.
2. Title of paper.
3. Abstract of no more than 150 words.
4. JEL codes.

Papers submitted without all the required information will not be considered. Electronic acknowledgements of submissions will be sent to all submitters. Proposals for complete sessions are also encouraged. Organizers of proposed sessions should submit abstracts for each of the papers following the above instructions. Papers may be accepted or rejected on an individual basis unless the organizer specifically requests the session be considered only in its entirety.

All selected presenters must be 2017 AERE members and priority consideration for discussants will be given to current AERE members.

Note: An evening networking opportunity will be available for AERE attendees at the MEA meeting at a restaurant near the conference to be organized by Lea-Rachel Kosnik (kosnikl@umsl.edu). Please let her know if you are interested by sending an email with “MEA AERE Dinner” in the subject line.

CONFERENCES, MEETINGS, AND WORKSHOPS



The fifth annual AERE Summer Conference will be held Thursday, June 9, to Saturday, June 11, 2016 at the Beaver Run Resort and Conference Center located in Breckenridge, Colorado in the heart of the Colorado Rockies. As the largest historic district in the state, Breckenridge history is rich and colorful--and the AERE Conference has proven to be a popular and successful event for our profession.

A pre-conference workshop on “Big Data in Environmental and Resource Economics” led by Matthew Harding (Duke University) and Qing Wu (Senior Economist at Google) will be held on Thursday, June 9.

The conference will begin with an informal Welcome Reception that evening; the academic program will follow on Friday and Saturday. It will feature **General Sessions** (264 papers) plus **Sponsored Sessions** (12 papers) on the following themes: (1) Behavioral Economics and the Environment and (2) Adaptation to Climate Change. In addition, there will be a **Special Session** on: *The 2010 Gulf of Mexico Oil Spill: Estimating the Economic Losses* led by Norman Meade (NOAA) and Roger von Haefen (University of North Carolina) and a **Poster Session** (12 posters) on Friday. Click [here](#) to access the full Program.

In addition to an excellent academic program, there will be opportunities for people to meet for dinner in this charming Victorian-era town, to check out the Breckenridge Brewery, and to explore the area. We look forward to greeting attendees at the Welcome Reception on Thursday evening and at the cash bar meet-up on Friday at Beaver Run after the last session. Additional details about the conference are posted [here](#).

Conference Organizing Committee:

Co-Chair Harrison Fell, Colorado School of Mines

Co-Chair Daniel Kaffine, University of Colorado Boulder

Peter Berck, University of California, Berkeley

Patricia Champ, US Forest Service, Rocky Mountain Research Center

John Loomis, Colorado State University

Questions should be directed to the organizing committee at aere2016colorado@gmail.com.

**AGRICULTURAL & APPLIED
ECONOMICS ASSOCIATION (AAEA)**

**July 31 – August 2, 2016
Marriott Copley Place
Boston, Massachusetts**

**AERE Sessions
2016 AAEA Annual Meeting**

Note: Presenters are listed first.

**Session I: Policy Instruments, Conservation and
Efficiency in Water and Energy**

**Subsidies for Succulents: The Welfare Impacts of
Las Vegas' Cash-for-Grass Rebate Program**

- Jonathan E. Baker. Harvard University:
bakerjonathane@gmail.com

**Energy Savings from Residential Building Codes:
Evidence from Smart-Meter Data**

- Tianxia Zhou. UC Davis: txzhou@ucdavis.edu
- Co-author: Kevin Novan:
knovan@ucdavis.edu
- Co-author: Aaron Smith:
adsmith@ucdavis.edu

**Conservation Spillovers and Behavioral
Interventions: Experimental Evidence from Water
and Energy Use**

- Gabe Lade. Iowa State University:
gelade@iastate.edu
- Co-author: Katrina Jessoe:
kkjessoe@ucdavis.edu
- Co-author: Frank Loge: fjloge@ucdavis.edu
- Co-author: Edward Spang:
esspang@ucdavis.edu

Arbitrage-free Pricing in Water Markets

- Renata Rimsaite, Pennsylvania State
University: rzt143@psu.edu
- Co-author: Karen Fisher-Vanden:
kaf26@psu.edu
- Co-author: Sheila Olmstead:
sheila.olmstead@austin.utexas.edu

**Session II: Risk, Resilience and Adaptation
to Climate Change**

**Bring Back the Light: Power Outages and
Industrial Performance in Sub-Saharan Africa**

- Justice Tei Mensah, Swedish University of
Agricultural Sciences:
justice.tei.mensah@slu.se

**The Value of Coastal Protection and Risk:
Evidence from the Oregon Coast**

- Steven Dundas, Oregon State University:
steven.dundas@oregonstate.edu
- Co-author: David Kling:
david.kling@oregonstate.edu
- Co-author: David Lewis:
lewisda@oregonstate.edu

**Sea Level Rise, Flood Risk and Property Values:
Evidence from New York City**

- Matthew Gibson, Williams College:
mgl7@williams.edu
- Co-author: Alison Hill: ah7@williams.edu

**Can Farmers Adapt to Extreme Heat? Evidence
from India**

- Vis Taraz, Smith College: vtaraz@smith.edu

**ALLIED SOCIAL SCIENCE
ASSOCIATIONS (ASSA)**

**January 6- 8, 2017
Hyatt Regency Chicago
Chicago, Illinois**

Website: click [here](#).

**7th ATLANTIC WORKSHOP ON ENERGY
AND ENVIRONMENTAL ECONOMICS
(AWEEE)**

**June 27 – 28, 2016
Hotel Eurostars Isla de La Toja
A Toxa, Galicia, Spain**

Website: click [here](#).

**4th CANADIAN PHD AND EARLY CAREER
WORKSHOP IN ENVIRONMENTAL
ECONOMICS**

**June 1 – 2, 2016
University of Ottawa
Ottawa, Ontario, Canada**

Website: click [here](#).

**CANADIAN RESOURCE AND
ENVIRONMENTAL ECONOMICS (CREE)
STUDY GROUP**

**CREE 2016 Annual Conference
September 30 - October 2, 2016
Banff, Alberta, Canada**

Website: click [here](#).

**18TH ANNUAL UNIVERSITY OF
COLORADO BOULDER
ENVIRONMENTAL AND RESOURCE
ECONOMICS WORKSHOP**

**September 9 – 10, 2016
Lion Square Lodge
Vail, Colorado**

The CU Environmental and Resource Economics Workshop provides researchers the opportunity to share their research results and/or ideas in a relaxed, workshop environment. Ample time will be allocated for discussion, allowing researchers to get feedback from other workshop participants. Work presented can range from proposed research to highly polished and complete projects. Graduate students are especially encouraged to participate.

To attend, you must notify Nicholas Flores in advance at nicholas.flores@Colorado.EDU

Website: click [here](#).

**6TH CONGRESS OF THE EAST ASIAN
ASSOCIATION OF ENVIRONMENTAL
AND RESOURCE ECONOMISTS (EAAERE)**

**August 7 – 10, 2016
Kyushu Sangyo University
Fukuoka, Japan**

Website: Click [here](#).

EAERE 23RD ANNUAL CONFERENCE

**June 22 – 25, 2016
ETH Zurich Zentrum (Main Building)
Zurich, Switzerland**

Website: click [here](#).

EAERE 23RD ANNUAL CONFERENCE

**June 28 – July 1, 2017
Athens, Greece**

For conference information: click [here](#).

**INTERNATIONAL WATER RESOURCE
ECONOMICS CONSORTIUM (IWREC)**

**September 11 – 13, 2016
The World Bank
Washington, DC**

The 12th Annual Meeting of the International Water Resource Economics Consortium (IWREC) will be hosted by the World Bank in Washington, DC on September 11-13, 2016. The overall theme of the meeting will be “Water Security in a Changing World.”

The Annual Meeting will begin with a reception in the evening of September 11, 2016, and span over two days with 6 -7 sessions and 1-2 panel discussions on September 12-13, 2016.

Website: click [here](#).

**NORTHEAST AGRICULTURAL AND
RESOURCE ECONOMICS ASSOCIATION
(NAREA) ANNUAL MEETING**

**June 19 - 22, 2016
Bar Harbor Regency Hotel
Bar Harbor, Maine**

The Northeast Agricultural and Resource Economics Association (NAREA) will hold its 2016 Annual Meeting & Workshop from Sunday, June 19, 2016 through Wednesday, June 22, 2016. Meeting events will take place at the oceanfront Bar Harbor Regency Hotel in spectacular Bar Harbor, Maine.

Conference Website: click [here](#).

**SOUTHERN ECONOMIC ASSOCIATION
(SEA) 86TH ANNUAL MEETING**

**November 19 – 21, 2016
JW Marriott Hotel
Washington, DC**

AERE members will be participating in the Southern Economic Association's (SEA) 86th annual meeting at the JW Marriott Hotel in Washington, DC, on November 19 – 21, 2016. John C. Whitehead (Appalachian State University) will organize the SEA sessions which are intended to provide an accessible conference option for our regional members. The Call for Papers is now closed. The list of papers will appear in the November 2016 *AERE Newsletter*.

Website: click [here](#).

**WESTERN ECONOMIC ASSOCIATION
INTERNATIONAL (WEAI)
91ST ANNUAL CONFERENCE**

**June 29-July 3, 2016
Hilton Portland and Executive Tower
Portland, Oregon**

AERE Sessions

Note: Asterisk () denotes presenters*

[93] Thursday, June 30 - 12:30 pm-2:15 pm
WATER I

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Anita CHAUDHRY, California State University, Chico

Papers: Yubing FAN*, University of Missouri-Columbia; Zhibiao NAN, Lanzhou University, China

Do Water User Associations Increase the Adoption of Micro-Irrigation Systems? A Conceptual Framework and Implications for Water Policy Design

Beau OLEN*, Oregon State University; JunJie WU, Oregon State University

Impact of Climate on Land, Water, and Technology Decisions for Irrigated Agriculture in the U.S. Pacific Northwest

Rosie MUELLER*, University of Oregon

A Hedonic Analysis of Water Quality Salience

Anita CHAUDHRY*, California State University, Chico; Dean H. K. FAIRBANKS, California State University, Chico

Water Sales During Droughts: Exploring Farm-Level Data in California

Discussants: Beau OLEN, Oregon State University

Rosie MUELLER, University of Oregon

Anita CHAUDHRY, California State University, Chico

Yubing FAN, University of Missouri-Columbia

[94] Thursday, June 30 - 12:30 pm-2:15 pm
**AIR QUALITY AND ENVIRONMENTAL
HEALTH**

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Nicole NGO, University of Oregon

Papers: Jamie MULLINS*, University of Massachusetts Amherst

Intertemporal Effects of Ambient Ozone Exposure on Human Performance

Yutaro SAKAI*, University of Calgary

Global Disease Management and Declining Vaccination Rates in High Income Communities

Wesley BLUNDELL*, University of Arizona

When Threats Become Credible: A Natural Experiment of Environmental Enforcement from Florida

Nicole NGO*, University of Oregon; Xiaojia BAO, Xiamen University; Nan ZHONG*, Xiamen University

The Environmental And Health Impacts of Transboundary Air Pollution from China to the U.S.

Discussants: Yutaro SAKAI, University of Calgary
Wesley BLUNDELL, University of Arizona
Nicole NGO, University of Oregon
Jamie MULLINS, University of Massachusetts Amherst

[114] Thursday, June 30 - 2:30 pm-4:15 pm
WATER II (contributed session)

Organizer: Bryan LEONARD, University of California, Santa Barbara
Chair: Bryan LEONARD, University of California, Santa Barbara

Papers: Zeynep HANSEN*, Boise State University;
Scott E. LOWE, Boise State University; Wenchao XU, Xiamen University

Inter-annual Water Supply Variation and Irrigated Agriculture in the Arid Western United States: One Hundred Years of Agricultural Census Observations from Idaho

Eric EDWARDS*, Utah State University; Steven M. SMITH, Haverford College

The Role of Irrigation in the Development of American Agriculture

Kyle EAGER*, Utah State University; Eric EDWARDS, Utah State University

Groundwater and the Economics of Drought Resilience: A Study of the Ogallala Aquifer in Kansas

Bryan LEONARD*, University of California, Santa Barbara; Gary D. LIBECAP, University of California, Santa Barbara

Economic Analysis of Property Rights: First Possession of Water in the American West

Discussants: Eric EDWARDS, Utah State University
Kyle EAGER, Utah State University

Bryan LEONARD, University of California, Santa Barbara

Zeynep HANSEN, Boise State University

[115] Thursday, June 30 - 2:30 pm-4:15 pm
THE GREENING OF FIRMS

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Michael DELGADO, Purdue University

Papers: Akio YAMAZAKI*, University of Calgary
The Effect of Climate Policy on Competitiveness of Manufacturing in British Columbia

Yanbing WANG*, Purdue University; Michael DELGADO, Purdue University; Jin XU, Virginia Tech

Long-Term Financial Incentive of Environmental Responsibility -- Socially Responsible Investing and Firm Cost of Equity Capital

John STRANDHOLM*, Washington State University; Ana ESPINOLA-ARREDONDO, Washington State University

Spillover Effects of Green Technology Investment on Entry

Yanbing WANG, Purdue University; Michael DELGADO*, Purdue University; Neha KHANNA, Binghamton University; Vicki BOGAN, Cornell University

Good News for Environmental Self-Regulation? Finding The Right Link

Discussants: Yanbing WANG, Purdue University
John STRANDHOLM, Washington State University
Michael DELGADO, Purdue University
Akio YAMAZAKI, University of Calgary

[132] Thursday, June 30 - 4:30 pm-6:15 pm
ENVIRONMENTAL RISKS

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Qing MIAO, Arizona State University

Papers: Jialing YU*, Oregon State University; Junjie WU, Oregon State University

Welfare Effects of the Federal Crop Insurance Program: The Sufficient Statistics Approach

Xiaojia BAO*, Xiamen University; Qingliang FAN, Xiamen University

Temperature and Online Game Behavior

Laura BAKKENSEN*, University of Arizona

Public vs Private Risk Information: Evidence from U.S. Tornadoes

Qing Miao*, Arizona State University; Yilin HOU, Syracuse University; Michael ABRIGO, University of Hawaii

Measuring the Financial Shocks of Natural Disasters: A Panel Study of US States

Discussants: Xiaojia BAO, Xiamen University
Laura BAKKENSEN, University of Arizona
Qing MIAO, Arizona State University
Jialing YU, Oregon State University

[133] Thursday, June 30 - 4:30 pm-6:15 pm
CARBON/AIR EMISSIONS, INEQUALITY

Organizer: Trudy Ann Cameron, University of Oregon
Chair: Lopamudra CHAKRABORTI, Center for Research and Teaching of Economics (CIDE), Mexico

Papers: Claire BRUNEL*, American University; Erik P. JOHNSON, Georgia Institute of Technology

The Effects of Local Pollution Regulation on Greenhouse Gas Emissions

John VOORHEIS*, University of Oregon
Income Inequality and Carbon Emissions: Evidence from State-level Data

Randall BLUFFSTONE*, Portland State University
Forest Collective Action Effects on Carbon Sequestration in Nepal

Lopamudra CHAKRABORTI, CIDE; David Heres, CIDE; Danae Hernandez
Are Land Values Related to Ambient Pollution Levels? Hedonic Evidence from Mexico City

Discussants: John VOORHEIS, University of Oregon
Thibault FALLY, University of Montreal
Lopamudra CHAKRABORTI, Center for Research and Teaching of Economics (CIDE), Mexico
Claire BRUNEL, American University

[151] Friday, July 1 - 8:15 am-10:00 am
ENVIRONMENTAL POLITICAL ECONOMY

Organizer: Trudy Ann Cameron, University of Oregon
Chair: Ronald MITCHELL, University of Oregon

Papers: Charles REGNACQ*, Université de Pau et des Pays de l'Adour; Ariel DINAR, University of California, Riverside; Ellen HANAK, Public Policy Institute of California

The Gravity of Water: Water Trade Friction in California

Gal HOCHMAN*, Rutgers University; David ZILBERMAN, UC Berkeley
The Political Economy of Embodied Technologies

Torben K. MIDEKSA*, Department of Economics, University of Oslo

Leadership and Climate Policy

Ronald MITCHELL*, University of Oregon
Do Differentiated Obligations Make Treaties More Effective?

Discussants: Gal HOCHMAN, Rutgers University
Torben K. MIDEKSA, University of Oslo
Ronald MITCHELL, University of Oregon
Charles REGNACQ, Université de Pau et des Pays de l'Adour

[175] Friday, July 1 - 2:30 pm-4:15 pm
FORESTS, FOOD AND FUELS

Organizer: Trudy Ann Cameron, University of Oregon
Chair: David ZILBERMAN, University of California, Berkeley

Papers: Jacqueline DOREMUS*, Calpoly
Unintended Impacts from Forest Certification: Evidence from Congolese Households
Habtamu FUJE*, Columbia University
Fossil Fuel Subsidy Reforms, Spatial Market Integration, and Welfare: Evidence from a Natural Experiment in Ethiopia

Taeyoung KIM*, Gyeongsang National University; Christian LANGPAP, Oregon State University
Targeting Incentives for Forest Carbon Sequestration with Spatially Heterogeneous Land Types under Asymmetric Information

Gal HOCHMAN, Rutgers University; David ZILBERMAN*, UC Berkeley
Corn Ethanol and U.S. Biofuel Policy Ten Years Later: A Systematic Review and Meta-analyses

Discussants: Habtamu FUJE, Columbia University
Taeyoung KIM, Gyeongsang National University
David ZILBERMAN, University of California, Berkeley
Jacqueline DOREMUS, Calpoly

[176] Friday, July 1 - 2:30 pm-4:15 pm
SOLAR ENERGY, BICYCLES, TRANSIT AND GREEN CARS

Organizer: Trudy Ann Cameron, University of Oregon
Chair: Sumeet GULATI, University of British Columbia

Papers: Anatolii KOKOZA*, University of Arizona
What Is Gained By Spatially Differentiating Solar Subsidies?

Kayleigh CAMPBELL*, Columbia University;
Candace BRAKEWOOD, City College of New York
How Bike-Sharing Impacts Bus Ridership in New York City

Joseph F WYER*, University of Oregon
Urban Transportation Mode Choice and Trip Complexity

Werner ANTWEILER, University of British Columbia; Sumeet GULATI*, University of British Columbia

Greener Cars or Greener Drivers? How Carbon and Fuel Taxes Influence the Choice and Use of Cars

Discussants: Kayleigh CAMPBELL, Columbia University

Joseph F. WYER, University of Oregon

Sumeet GULATI, University of British Columbia

Anatolii KOKOZA, University of Arizona

[192] Friday, July 1 - 4:30 pm-6:15 pm
ECONOMICS OF FISHERIES

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Duncan KNOWLER, Simon Fraser University

Papers: Rajesh SINGH*, Iowa State University
Entry in Quota-Managed Industries: A Global Game with Placement Uncertainty

Noelwah NETUSIL*, Reed College
Repeat sales analysis of restoration projects and property values

Hao LI*, Washington State University; Charles SIMS, The University of Tennessee, Knoxville

Modeling the Impact of Incentives of Choosing Extensive Fish Farming: A Case Study from the Northwestern U.S.

Duncan KNOWLER*, Simon Fraser University;
Gregor REID, University of New Brunswick; Hossein AYOUQI, Simon Fraser University

An Economic Analysis of Integrated Multi-Trophic Aquaculture (IMTA) versus Conventional Finfish Farming with and without Site Constraints

Discussants: Noelwah NETUSIL, Reed College

Hao LI, Washington State University

Duncan KNOWLER, Simon Fraser University

Rajesh SINGH, Iowa State University

[193] Friday, July 1 - 4:30 pm-6:15 pm
ELECTRICITY: CARBON, STORAGE AND SMART METERING

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Ling HUANG, University of Connecticut

Papers: Gregory TORELL*, University of Wyoming; Robert GODBY, University of Wyoming; Roger COUPAL, University of Wyoming

Estimating the Short-run Effects of Carbon Policies on Transmission Constrained Electricity Grids

Jackson DORSEY*, University of Arizona
What Can Grid-Scale Batteries do for the Electricity Industry?

Jonathan EYER*, University of Southern California
Are Unions "Smart" for the Environment? The Effect of Unionization on Smart Meter Uptake

Ling HUANG*, University of Connecticut
Industry Dynamics and the Incentives of Emission Markets

Discussants: Jackson DORSEY, University of Arizona

Jonathan EYER, University of Southern California

Ling HUANG, University of Connecticut

Gregory TORELL, University of Wyoming

[212] Saturday, July 2 - 8:15 am-10:00 am
ENVIRONMENT AND SPECIES

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Christian LANGPAP, Oregon State University

Papers: Benjamin A. JONES*, University of Oklahoma; Shana McDERMOTT, University of New Mexico

Creating Quite a Stink: Health Impacts and Costs of Invasive Species through Changing Air Quality

Eyal FRANK*, Columbia University
Wind Turbines, Bats, and Farmers

Sonja KOLSTOE*, University of Oregon; Trudy Ann CAMERON, University of Oregon
The Value of Birds to eBirders: Exploring Citizen Science Data using a Recreational Site Choice Model

Christian LANGPAP*, Oregon State University;
JunJie WU, Oregon State University

Preemptive Conservation of Endangered Species

Discussants: Eyal FRANK, Columbia University

Sonja KOLSTOE, University of Oregon

Christian LANGPAP, Oregon State University

Benjamin A. JONES, University of Oklahoma

[213] Saturday, July 2 - 8:15 am-10:00 am

**ENVIRONMENTAL AND RESOURCE
ECONOMIC THEORY**

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Hossein HOSSEINI, University of Calgary

Papers: Torben ANDERSEN, University of Aarhus;
Joydeep BHATTACHARYA, Iowa State University;
Pan LIU*, Iowa State University

*Pareto-improving Environmental Policies under
Debt Sustainability*

Aditi SENGUPTA*, Auburn University

*Green Premium, Ecolabel, and Environmental
Damage*

Horatiu RUS *, University of Waterloo; Hongxiu LI,
University of Waterloo

*Climate Change Adaptation and International
Mitigation Agreements with Heterogeneous
countries*

John R. BOYCE, University of Calgary,; Hossein
HOSSEINI*, University of Cal

*Reconciling Hotelling's Rule with Falling Prices
and Rising Output: The Bias of Technological
Change*

Discussants: Aditi SENGUPTA, Auburn University

Horatiu RUS, University of Waterloo

Hossein HOSSEINI, University of Calgary

Pan LIU, Iowa State University

[232] Saturday, July 2 - 10:15 am-12:00 noon

**ECOSYSTEMS, RESERVES AND
AGRICULTURE**

Organizer: Trudy Ann Cameron, University of Oregon

Chair: David J. LEWIS, Oregon State University

Papers: Boris HOUENOU*, Washington State
University

*Human Health and Livestock capital demand in
the Livestock-Dependent Household*

Yiwen YANG*, University of Hawaii at Manoa;

PingSun LEUNG, University of Hawaii at Manoa

*A Meta-Analysis of Locally-Produced Food
Valuation Studies*

Pak Sing CHOI*, Washington State University; Ana

ESPINOLA-ARREDONDO, Washington State

University; Felix MUNOZ-GARCIA, Washington
State University

*A Study of Procurement Auction with Externalities
- Insights from the Conservation Reserve Program*

David J. LEWIS*, Oregon State University; Stephen
POLASKY, University of Minnesota

*Implementing the Optimal Provision of Ecosystem
Services under Climate Change*

Discussants: Yiwen YANG, University of Hawaii at
Manoa

Pak Sing CHOI, Washington State University

David J. LEWIS, Oregon State University

Boris HOUENOU, Washington State University

[233] Saturday, July 2 - 10:15 am-12:00 noon

THE SHALE GAS BOOM

Organizer: Trudy Ann Cameron, University of Oregon

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ESSAY

John Loomis, Co-Editor's Note

Now that the BP oil spill case has settled, this piece by Sherry Larkin provides what I hope will be the first in a series of essays of personal "behind the scenes" looks at the interesting landscape of working in the area of Natural Resource Damage Assessment (NRDA). Sherry's essay is of course one person's view, from one part of the vast NRDA landscape. I am inviting others involved to share their perspective. If you would be interested in sharing your enlightening NRDA experiences with your fellow AERE members (and their very keenly interested graduate students), please contact me at John.Loomis@colostate.edu. In addition, I would be delighted to receive essays on any topic of interest to AERE members. The essays need not be long (they can be 6-10 double spaces) and they can discuss topics that do not fit in traditional journals.

The Deepwater Horizon Oil Spill: Overview of Process and Economic Loss Research for the State of Florida

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The author would like to thank Rod Clouser for helping to recall many of the administrative details and the core researchers that contributed to the project: John Whitehead, John Loomis, Tim Haab, Sergio Alvarez, and Andrew Ropicki.

Introduction

The "BP/Deepwater Horizon oil spill" (as we decided to refer to it) began in the Gulf of Mexico on April 20, 2010 as a result of a fire that occurred on the rig during drilling. Reports from the National Incident Command indicated that 4.9 million barrels of oil were spilled over approximately three months, which is over 19 times the amount of oil spilled by the *Exxon Valdez* in Alaska in 1989. While this volume of oil made the BP/Deepwater Horizon oil spill the worst oil spill in U.S. history, the nature and location of the oil spill at the sea floor nearly one mile deep and 50 miles southwest of the Mississippi River Delta complicated containment and mitigation efforts. It also complicated prediction of oil dispersion and resulting environmental and coastal impacts, which generated uncertainty among coastal-dependent communities throughout the U.S. southeast and regulatory authorities charged with managing access to coastal resources.

This essay describes the process and challenges associated with a research project that was commissioned by the Florida Legislature with the Legislature's Office of Economic and Demographic Research (EDR) designated as their project manager. EDR approached our department (Food and Resource Economics) as the state's land grant institution

(University of Florida) with expertise in applied economics. Our charge was to conduct "... 1. Primary and secondary research regarding lost indirect and passive use values experienced by the State of Florida; and 2. Development of preliminary estimates of State Government revenue losses based on those research findings." The results were to be representative of only the 12 western most coastal Gulf counties. The passive use losses had to be measured using the contingent valuation method (CVM). The indirect losses had to use at least two of the following methods: travel cost method (TCM), random utility method (RUM), or unit day value. These stipulations on methodologies were based on the fact that both had legal standing. The contract period was November 1, 2010 through March 31, 2012; however, the Summary Impact Report was due December 30, 2011. The contract also affirmed that EDR would provide assistance in the development of revenue loss estimates to the state that were "consistent with the statutory provisions related to state taxation and the most recent available state forecasts."

Contracting Process

On July 29, 2010, two weeks after the well on the sea floor was capped to stop the oil from leaking, our department chair received an 8-page document from EDR entitled "Types of Losses Related to Oil Spills and

Potential Metrics” and a request to develop a scope of work and associated budget. The document was sent to selected faculty with expertise in natural resources/marine economics, benefit/cost analysis, quantitative methods, impact analysis and public policy and a meeting was scheduled for mid-August to identify faculty interest and methodologies. The latter was necessary as the initial document was essentially a comprehensive review of methodologies used in both grey and peer-reviewed literature pertaining to oil spills. In the meantime, the department chair sought to determine how much EDR was willing to pay, the approximate timeline, and the applicable indirect cost rate.

The faculty meeting drew broad interest but also identified some practical challenges, not the least of which was that fall classes would resume August 23. After much discussion on potential studies (since we knew they wanted “multiple”), we adjourned after being tasked with submitting brief (one page) proposals of specific projects and team members. After some soul searching, I submitted a proposal that included both travel cost and contingent valuation studies with the help of some consultants. The potential benefits included establishing a relationship with EDR, providing an opportunity to get up to speed with the state-of-the-art tools (I knew John Whitehead, Appalachian State University, personally and surmised that he would want to participate), and a once-in-a-lifetime (hopefully) opportunity for graduate students. The challenges? At the time, I could only think of the following: I was preparing to teach a very large undergraduate class, I was only an associate professor, I could not claim expertise in the use of either method (I had only supervised M.S. students that used both for theses), and it might distract me from my current research agenda. I should have put more thought into it. At the time, I was naïve.

By the end of August, I was tasked with being the “research coordinator” for the project. We had proposed the three studies (TCM, CVM, and economic impacts), I had (with the help of Whitehead,) identified two other potential consultants (John Loomis, Colorado State University, and Tim Haab, The Ohio State University), and another faculty in our department with IMPLAN expertise (Alan Hodges); the development of an official scope of work and budget commenced. About this time we also learned of the budget and timeline constraints: EDR wanted a final product by December 30, 2011. While we would have three additional months to help integrate EDR’s assistance of the lost revenue estimates (including taxes), the drop-dead date for the *final report* would be less than 16-months away. At the time it

seemed daunting; a year later, life became characterized by a new normal.

In late September we learned the amount of funding from the state to complete the studies would be in the \$750,000 range. By mid-October we were able to develop a terse scope of work (all that was necessary), generate commitments from the external consultants, and – at the request of EDR identify three faculty at Florida-based universities to serve as associate investigators (J. Walter Milon and David Scrogin, University of Central Florida and William Huth, University of West Florida). Due to the stated importance of peer-review quality research, we also budgeted for two additional external reviewers to be identified at a later date. Although the contract was not yet signed, we recognized the need to begin developing the surveys if we were to have a finalized draft in one year’s time. We identified two graduate students that would be able and willing to work on this project even though the efforts could not be a part of their dissertation² nor could they participate in any future capacity (directly or indirectly) on work (paid or unpaid) “... for British Petroleum (BP) p.l.c., Transocean Ltd., Halliburton, or M-I SWACO or their successors or subsidiaries for the life of this contract or during any subsequent litigation regarding the Deepwater Horizon drilling platform disaster to which the State of Florida is a party”; two constraints that could be perceived as limiting factors to career advancement (for the students and the consultants).³

We also proceeded with obtaining quotes to conduct three surveys: (1) CVM with Florida residents, (2) recreational information from past visitors to the study region, and (3) a beach intercept survey. Quotes for the former two, which would be conducted online, were obtained from Knowledge Networks, Inc.⁴; the quote

² Per the contract, any and all information relating to this contract had to be held in strict confidence until such time as the State of Florida’s legal pursuits over the BP/Deepwater Horizon oil spill were resolved against all parties. We would need to wait to be notified of such approval but were warned that the state had four years from the initial spill date to file.

³ Milon did not sign the attestation and withdrew from the project. Chris Dumas, UNC-Wilmington, and Craig Landry, Eastern Carolina University (now University of Georgia), were added.

⁴ Knowledge Networks, Inc. was well-known for having access to a representative sample of residents for survey purposes that would be needed for the development of valid loss estimates; however, we needed to justify the plan to provide a sole source contract. Luckily, Knowledge Networks Inc. provided written justification for that purpose. We would later need the same documents to convince UF of the same.

from the latter was obtained from the University of Florida (UF) based Florida Survey Research Center. Survey planning also involved scheduling pre-testing activities (focus groups and mall intercepts) to finalize the payment vehicle for the CVM, searching for secondary data to define the market area for coastal recreation in the study region, and identifying the scope and locations for beach intercepts.

As late December approached, the contract still was not signed by EDR. Activity on the project slowed over growing uncertainty on our end as to whether it would be approved. With the beginning of spring term looming (classes began January 5, 2011), we began re-planning courses and research plans for the students and faculty were notified that the project may not proceed. Many began pursuing other opportunities to work on external projects related to the oil spill. At seemingly the 11th hour, the contract was signed by both the president of the Florida House and Senate on January 13th.

Research Challenges

The clock was ticking. We held out hope that the project would be extended into 2012 but, if not, we would need a draft of the final report in 11 months (mid-December) to leave time for merging the analysis with the background information, creating a table of contents, formatting, etc. As a result, the analyses would need to be completed by mid-November in order to leave time for each lead writer to interpret the results and for us to discuss which results to present as our best estimates. All efforts were on collecting and summarizing the: (1) secondary data needed to determine the geographic visitation range for the recreational survey, (2) current official information on the scope and environmental effects of the spill, (3) information on state and federal oil spill regulations and associated past cases and settlements (e.g., the Oil Pollution Act), (4) background information on deep-water oil drilling (e.g., regulations on use of specific equipment and scope), and (5) regulatory response to the spill (e.g., beach and fishing area closures). Some of this information was used to develop focus group materials for purposes of testing the CVM questionnaire (e.g., scope, trust, payment vehicle, and ball park willingness-to-pay). Some of the information was used to determine the extent to which secondary data could be used (primarily federal data on recreational fishing and tourism board data on visitation in Florida).

Meanwhile, negotiations over amendments to the contract were ongoing and a team meeting with EDR was planned for late February. We were asked if anyone had been legally “qualified” to testify as an expert on

CVM or TCM (if the answer was “no”; would it jeopardize the contract?). We also learned that the contract would not be extended; EDR was adamant that they needed our work complete in order to leave the law firms two years to prepare their cases (four firms were hired). We asked to meet with those firms in order to ensure that our questionnaires, assumptions and analysis would serve their needs; but the request was denied. In hindsight, we were purposefully being kept at arm’s length to preserve the integrity of the analysis. At the time, it was extremely frustrating so we proceeded under two main assumptions: (1) our results needed to be based on evidence where at all possible (not reasonable assumptions), and (2) we needed to develop estimates that were 100% justifiable. In short, we subsumed a cost-benefit-analysis approach whereby the goal was to develop a conservative estimate. In hindsight, the second assumption was wrong. We should have provided a best estimate in order to leave room for legal negotiation by the State; instead, we used the most conservative procedures and assumptions throughout. This is one case where jokes about academics ring true.

At the meeting in late February, EDR wanted to discuss the validity of the state recovering losses (through legal channels) for damage to its tourism branding investments and reputation. At the time, the thought of conducting an additional study seemed daunting and out of the question since those losses were not part of the contract. Eventually, however, our interest was piqued and we accepted an invitation to speak on the topic (and prepared a subsequent theoretical paper) to help address this request (i.e., Larkin, Huffaker, and Clouser 2013).

An amendment was finalized on February 28, 2011 but it did not include a provision to officially delay the start of the project. The final report was still due December 30, which left us just 10 months to complete a contract that we would have liked two years to do given all faculty were otherwise fully employed. Given the increased interim reporting burden, we officially designated a “business manager” to handle all communications with EDR, ensure all deadlines were met to prevent payment penalties and ensure all paperwork and payments were in order.

Our reward for having a truly finalized contract and marching orders? A call within a week from a representative of the NOAA Damage Assessment Center (DAC) team, which is the NOAA agency responsible for conducting economic analysis (e.g., estimation of passive use losses). NOAA-DAC stated that we should not be attempting to conduct any economic analysis since they would be doing the same; and there is no

benefit of having numerous studies and estimates floating around. He recommended that we discontinue our work. It was heartbreaking conversation. On the one hand, he was correct (dueling estimates would not benefit the trustees and any difference in assumptions could easily cause different results and undermine both estimates). On the other, this was my baby he was talking about, the steam engine had left the station and we had a signed contract. Per our contract with EDR about confidentiality, I contacted EDR. They were dumbfounded and even questioned if the call was legitimate. I would later learn that in order for NOAA DAC to generate estimates on behalf of Florida, Florida would officially have to turn over trusteeship of its residents. This process takes a formal legislative action. In October 2011, during our second face-to-face team meeting in Tallahassee with EDR, we learned that they (1) later received a similar call but with several more DAC staff and (2) Florida eventually did relinquish the rights to make any independent claims for loss passive use values on behalf of its residents. However, presumably Florida was pursuing its own recreation and tourism damage estimates.

Lessons Learned

A motivated team will get the job done. We completed the report, and on time (although discussions over the tax implication piece continued on). There were several direct short-term benefits of this project. At least three graduate students (and myself!) had the opportunity to work on a high profile real world issue and learn new valuation skills from those that literally wrote the book on the methodologies; skills that they have applied to other situations (e.g., Alvarez et al. 2014). We all were able to add a grant to our vitae's and a publication even though it was confidential. To our knowledge we were the first to complete such studies on the BP Deepwater Horizon oil spill, so recall bias was minimized.

Fiscal resource constraints will always be a factor that limits the wide-scale usefulness of studies such as this, and the need to adhere to charge provide by the client. In this study, EDR only wanted impacts associated with 12 counties in the Florida Panhandle. However, the individual counties (we would later learn) wanted information on impacts specific to their county, not as part of the broader region. While some information was obtained, for example, by popular beach destinations, it was not systematically collected or analyzed at the county level. This becomes an issue when nearly \$2 billion dollars are to be allocated to "counties damaged by the *BP/Deepwater Horizon* oil spill"; while initial and direct impacts were probably

greatest in the 12 counties specified in the contract, in reality economic effects were evident throughout the Gulf coast of the state, from Pensacola to Key West, and even along the Atlantic coast. Recall the widespread internet stories, social media and news media headlines about oil getting in the circular Gulf currents? When you contract with an agency (any agency) they understandably only want to pay for their product. While we can often extend surveys in a minor way to allow for additional analysis post-contract, is that okay with the sponsor? Will the counties want or need to pay for that after the fact? If not, then the efforts were for naught.

From a departmental perspective, we were able to help the Florida Legislature and received visibility and press for our work. The department did, however, have to re-purpose some effort and two students graduated a term later than they would have. The administrative burden was more than anticipated (the project business manager had more than 2,000 written contacts with the research team, EDR and university sponsored programs from the initial contact from the state), especially in the final three months.

Through the delivery and document review and approval process, we learned of the excruciating level of detail required. Every number had to match to the cent throughout the document. I had to go back to the consultants, for example, and ask for exact figures since EDR was recalculating every figure that was based on a calculation. If I could share one piece of advice it would be this – if you are completing a project where figures are being passed between different components or two components are using the same data, agree to a protocol up front that includes when direct calculations are used or how many decimal places are used for both imputed and reported data and be consistent in showing those numbers and in that format. An unbelievable amount of time was spent in consistently showing two decimal places in every instance in the report. Problems arose when an output in one table was rounded differently for use in subsequent calculations; re-calculation of the numbers would be different, which was a problem (it did not matter if it was \$1.00 or \$0.01). A problem that I will not repeat. This is just one example of a seemingly endless string of aspects of the reporting process that we did not anticipate.

It also would be fair to point out that in a comparable situation where a project has to be completed in about half the time desired, the individuals that lead the research and business portions of the project and interact with the state project leaders will suffer long hours and sacrifice – develop a new normal. It took me probably six months if not longer to break the

continual work habit. I just did not know what to do with myself at nights without the project. And I have many funny memories of conversations with representatives of Knowledge Networks while being in strange places with my family during the summer of 2011.

Epilogue

Since the end of the project, we have regularly asked EDR whether we are close to being able to share the results. Eventually we were told “don’t call us, we’ll call you.” On July 2015, news media reported that Florida’s Attorney General announced a settlement between the Gulf states and BP that reported Florida would receive \$2 billion to compensate for economic losses alone (including that 75% would go to a trust fund controlled by coastal counties in the Panhandle region and 25% would go into state revenues); we couldn’t wait any longer and had to ask. Unfortunately, although a general

agreement had been reached, it was only with BP, and not with Transocean or Haliburton so the waiting continued. We were told it would likely take through 2015. On November 17, 2015, the legal hold was lifted from our work. We are allowed to share our results, finally.

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JOB POSTINGS

ACADEMIC

- University of California, Berkeley, Goldman School of Public Policy, Associate Specialist
For more information click [here](#). [posted April 20, 2016]
- University of California, Berkeley, Goldman School of Public Policy, Post-Doctoral Scholar-Employee
For more information click [here](#). [posted April 20, 2016]
- Universidad del Rosario, Professor in Environmental or Ecological Economics
For more information click [here](#). [posted April 20, 2016]
- Indiana University, School of Public and Environmental Affairs (SPEA), two visiting Assistant Professors. For more information click [here](#). [posted April 5, 2016]
- Mississippi State University, Department of Agricultural Economics, Department Head and Professor. For more information click [here](#). [posted March 30, 2016]
- University of Idaho, The College of Natural Resources, PhD's in forest economics or natural resource policy. For more information click [here](#). [posted March 10, 2016]

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