

**AERE Sessions at the 2010 ASSA Meeting  
Atlanta, Georgia**

**A. Environmental Health**

January 5, 8:00 AM, Hilton Atlanta, Room 211

Moderator: Maureen Cropper (University of Maryland, College Park and Resources for the Future (RFF)); cropper@econ.umd.edu

A.1. Jay Shimshack (Tulane University); jshimsha@tulane.edu

“Air Pollution and Children's Health: A Cohort Analysis”

Co-authors: Timothy Beatty (University of York)

Discussant: Spencer Banzhaf (Georgia State University); prchsb@langate.gsu.edu

A.2. Reed Walker (Columbia University); rw2157@columbia.edu

“The Effect of Airports on Air Quality and Respiratory Problems”

Co-authors: Wolfram Schlenker (Columbia University);

Discussant: Ryan Kellogg (University of Michigan); kelloggkr@gmail.com

A.3. Subhrendu Pattanayak (Duke University); subhrendu.pattanayak@duke.edu

“Deforestation, Development and Disease: Evidence from Quantile Panel Models”

Co-authors: Simone C. Bauch (North Carolina State University);

Erin O. Sills (North Carolina State University)

Discussant: Katharine R. E. Sims (Amherst College) ksims@amherst.edu

A.4. Lori Snyder Bennear (Duke University); lori.bennear@duke.edu

“Bright Lines, Risk Beliefs, and Risk Avoidance: Evidence from a Randomized Experiment in Bangladesh”

Co-authors: Soumy Balasubramanya (Duke University); Alex Pfaff (Duke University);  
Allesandro Tarozzi (Duke University)

Discussant: Mushfiq Mobarak (Yale University); ahmed.mobarak@yale.edu

**B. Designing the Post-Kyoto International Climate Policy Architecture (roundtable)**

January 4, 10:15 AM, Hilton Atlanta, Room 211

Moderator: Robert Stavins (Harvard University); robert\_stavins@harvard.edu

Panelists:

Scott Barrett (Columbia University)

Jeffrey Frankel (Harvard University)

Larry Karp (University of California, Berkeley)

Richard Newell (Energy Information Administration)

Eric Posner (University of Chicago)

Kenneth Richards (Indiana University)

E. Somanathan (Indian Statistical Institute)

### **C. Land Use and Water Use**

January 4, 8:00 AM, Hilton Atlanta, Room 211

Moderator: Sarah Jacobson (Georgia State University); [ecosajx@langate.gsu.edu](mailto:ecosajx@langate.gsu.edu)

C.1. Sarah Jacobson (Georgia State University); [ecosajx@langate.gsu.edu](mailto:ecosajx@langate.gsu.edu)

“The Effects of CRP Participation on Later Land Use”

Discussant: John Horowitz (University of Maryland, College Park);  
[jhorowitz@arec.umd.edu](mailto:jhorowitz@arec.umd.edu)

C.2. Katrina Mullan (North Carolina State University); [klmullan@ncsu.edu](mailto:klmullan@ncsu.edu)

“Participation on Payments for Ecosystem Services Programmes in Developing Countries: The Chinese Sloping Land Conversion Programme”

Co-authors: Andreas Kontoleon (University of Cambridge)  
Discussant: Jintao Xu (Peking University); [xujt@pku.edu.cn](mailto:xujt@pku.edu.cn)

C.3. Nathaniel Higgins (University of Maryland, College Park); [nhiggins@arec.umd.edu](mailto:nhiggins@arec.umd.edu)

“An Empirical Analysis of a ‘Smart Subsidy’”

Co-authors: Lori Lynch (University of Maryland, College Park) and Shawn Bucholtz (Farm Service Agency)  
Discussant: Antonio Bento (Cornell University); [amb396@cornell.edu](mailto:amb396@cornell.edu)

C.4. Yusuke Kuwayama (University of Illinois at Urbana-Champaign); [ykuwaya2@illinois.edu](mailto:ykuwaya2@illinois.edu)

“Accounting for Instream Flow Impacts of Agricultural Water Use”

Co-authors: Nicholas Brozovic (University of Illinois at Urbana-Champaign)  
Discussant: Juan Robalino (Central America Tropical Agricultural Research and Higher Education Center [CATIE]; [robalino@catie.ac.cr](mailto:robalino@catie.ac.cr))

### **D. Sustainability and Natural Resources**

January 3, 8:00 AM, Hilton Atlanta, Room 211

Moderator: Y. Hossein Farzin (University of California – Davis); [farzin@primal.ucdavis.edu](mailto:farzin@primal.ucdavis.edu)

D.1. Junjie Zhang (University of California – San Diego); [junjiezhang@ucsd.edu](mailto:junjiezhang@ucsd.edu)

“An Econometric Analysis of the Clean Development Mechanism and Sustainable Development”

Co-authors: none  
Discussant: Bruce Mizrach (Rutgers University); [mizrach@econ.rutgers.edu](mailto:mizrach@econ.rutgers.edu)

D.2. Erin Sills (North Carolina State University); [erin\\_sills@ncsu.edu](mailto:erin_sills@ncsu.edu)

“Community-Based Conservation After External Funding Ends: The Role of Social Networks in Sustaining or Dissipating Impacts”

Co-authors: Subhrendu Pattanayak (Duke University); Simone C. Bauch (North Carolina State University)  
Discussant: Paul Ferraro (Georgia State University); [prcpjf@langate.gsu.edu](mailto:prcpjf@langate.gsu.edu)

D.3. Quinn Weninger (Iowa State University); weninger@iastate.edu

“Multiple-Species Fishing Across Time and Space”

Co-authors: Luc Veyssiere (Iowa State University)

Discussant: Kurt Schnier (Georgia State University); kschnier@gsu.edu

D.4. Kathy Baylis (University of Illinois); baylis@illinois.edu

“Bridging vs. Bonding Social Capital and the Management of the Firewood Commons”

Co-authors: Yazhen Gong (University of British Columbia);

Shun Wang (University of British Columbia)

Discussant: Michael Bennett (Peking University); michaelbennett@earthlink.com

## **E. Pollution Control**

January 5, 1:00 PM, Hilton Atlanta, Room 211

Moderator: Sarah Stafford (College of William and Mary); slstaf@wm.edu

E.1. Richard Morgenstern (Resources for the Future [RFF]); morgenstern@rff.org

“Evaluating Voluntary Climate Programs in the United States”

Co-authors: William Pizer (U.S. Department of the Treasury);

Jhih-Shyang Shih (Resources for the Future [RFF])

Discussant: Lori Snyder Benneer (Duke University); lori.benneer@duke.edu

E.2. Thomas Lyon (University of Michigan); tplyon@umich.edu

“Does Disclosure Reduce Pollution? Evidence from India’s Green Rating Project”

Co-authors: Allen Blackman (Resources for the Future [RFF]);

Nicholas Powers (University of Michigan); Urvashi Narain (World Bank)

Discussant: David Weil (Boston University); David\_Weil@hks.harvard.edu

E.3. Ulrich Wagner (Universidad Carlos III de Madrid, CEP/LSE); uwagner@eco.uc3m.es

“Climate Change Policies and Management Practices”

Co-authors: Ralf Martin (London School of Economics [LSE]);

Laure de Preux (University of York); Mirabelle Mûuls (Imperial College)

Discussant: Wayne Gray (Clark University); WGray@clarku.edu

E.4. Takehiro Usui (Soka University); usui@soka.ac.jp

“Estimating the Sustainability of Unit-Based Pricing Using Panel Data”

Co-authors: none

Discussant: Thomas Kinnaman (Bucknell University); Kinnaman@bucknell.edu

## **F. Fuels**

January 4, 2:30 PM, Hilton Atlanta, Room 211

Moderator: Meredith Fowlie (University of Michigan); mfowlie@umich.edu

F.1. Maximilian Auffhammer (University of California at Berkeley); auffhammer@berkeley.edu  
“Clearing the Air? The Effects of Gasoline Content Regulation on Air Quality”

Co-authors: Ryan Kellogg (University of Michigan)

Discussant: Matt Neidell (Columbia University); mn2191@columbia.edu

F.2. Celine Nauges (Toulouse School of Economics); celine.nauges@toulouse.inra.fr  
“Gasoline Content Regulation and Compliance Behavior among US Refineries”

Co-authors: Ujjayant Chakravorty (University of Calgary)

Discussant: Catherine Wolfram (University of California at Berkeley);  
wolfram@haas.berkeley.edu

F.3. Xiaoguang Chen (University of Illinois); xchen29@illinois.edu

“The Economics Potential of Second-Generation Biofuels: Implications for Social Welfare, Land Use, and Greenhouse Gas Emissions in Illinois”

Co-authors: Madhu Khanna (University of Illinois); Hayri Onal (University of Illinois)

Discussant: Catherine Kling (Iowa State University); ckling@iastate.edu

F.4. Barrett Kirwan (University of Maryland, College Park); bkirwan@arec.umd.edu

“Good for the Air, Bad for the Water: The Effect of Ethanol Production on Water Pollution”

Co-authors: Stacy Sneeringer (Wellesley College)

Discussant: Michael Roberts (North Carolina State University);  
michael\_roberts@ncsu.edu

## **G. Transportation**

January 3, 2:30 PM, Hilton Atlanta, Room 211

Moderator: Ian Parry (Resources for the Future); parry@rff.org

G.1. Garth Heutel (Harvard University); heutel@fas.harvard.edu

“Learning, Externalities, and Hybrid Vehicle Adoption”

Co-authors: Erich Muehlegger (Harvard University)

Discussant: James Sallee (University of Chicago); sallee@uchicago.edu

G.2. Lihong McPhail (Iowa State University); lihonglu@iastate.edu

“Valuing RINs Under Uncertainty”

Co-authors: Bruce Bacock (Iowa State University)

Discussant: Stephen Holland (University of North Carolina at Greensboro);  
sphollan@uncg.edu

G.3. Antonio Bento (Cornell University); amb396@cornell.edu

“Unintended Consequences of Allowing Solo Hybrid Drivers into HOV Lanes”

Co-authors: Kevin Roth (Cornell University); Daniel Kaffine (Colorado School of Mines)

Discussant: Ryan Kellogg (University of Michigan); kelloggr@umich.edu

G.4. Jonathan Hughes (University of California at Davis and University of Colorado at Boulder); jehughes@ucdavis.edu

“Low Carbon Fuel Standards and Carbon Caps with Capacity Constraints: Running Out of Gas?”

Co-authors: Stephen Holland (University of North Carolina at Greensboro and NBER); Christopher Knittel (University of California at Davis and NBER)

Discussant: Mark Jacobsen (University of California at San Diego); m3jacobs@ucsd.edu

## **H. Valuation Methods**

January 5, 10:15 AM, Hilton Atlanta, Room 211

Moderator: Richard Carson (University of California – San Diego); rcarson@weber.ucsd.edu

H.1. Yohei Mitani (University of Colorado at Boulder); mitani@colorado.edu

“Public Goods Referenda without Perfectly Correlated Prices and Quantities”

Co-authors: Nicholas E. Flores (University of Colorado at Boulder)

Discussant: Mike McKee, Appalachian State University, mckeejm@appstate.edu

H.2. Kevin Egan (University of Toledo); kevin.egan@utoledo.edu

“Comparing Welfare Values from Revealed Preferences and Stated Preference Methods:

Investigating the Role of Time and the Identification of Individual Discount Rates”

Co-authors: none

Discussant: D. Matthew Massey (EPA National Center for Environmental Economics); Massey.Matt@epamail.epa.gov

H.3. Subhra Bhattacharjee (Iowa State University); subhra@iastate.edu

“Modeling Recreation Demand with Panel Data: A Comparative Study of Welfare Estimates Using Discrete Choice and Kuhn-Tucker Models”

Co-authors: Catherine L. Kling (Iowa State University); Joseph A. Herriges (Iowa State University)

Discussant: Kurt Schnier (Georgia State University); kschnier@gsu.edu

H.4. Sonia Akter (Australian National University); sonia.akter@anu.edu.au

“Empirical Testing of an Extended Non-Expected Utility Model: An Application to Climate Change Mitigation in Australia”

Co-authors: Jeff Bennett (Australian National University)

Discussant: Trudy Ann Cameron (University of Oregon); cameron@uoregon.edu

## **Joint Session**

### **Association of Environmental and Resource Economists (AERE) and the American Economic Association (AEA)**

#### **“Combining Environmental and Development Goals: Strategies for Moving Forward”**

**Format:** The session would be a panel/roundtable discussion. Each participant would be allotted 10-15 minutes for commentary, followed by open discussion with the audience.

**Organizer:** Kathleen Segerson, University of Connecticut

**Moderator:** Kathleen Segerson, University of Connecticut

#### **Panel Participants:**

Ariel Dinar, University of California at Riverside  
Paul Ferraro, Georgia State University  
Charles Perrings, Arizona State University  
Ma Zhong, Renmin University, China  
David Zilberman, University of California at Berkeley

#### **Contact Information for Organizer:**

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**Session Overview:** Many of the world’s most pressing environmental problems involve developing countries, either as potential drivers of change or as victims of the environmental consequences of activities undertaken in developed in countries. For example, the United Nations Millennium Ecosystem Assessment (MEA) highlights the impact that direct drivers of change in developing (as well as developed) countries have had on the provision of ecosystem services. These drivers include changes in local land use, species introduction or elimination, technology adoption, use of inputs (e.g., fertilizers, pesticides, water), and harvest and resource consumption. Similarly, future consumption patterns (e.g., relating to automobile use) in countries such as China and India will have a major impact on future climate change scenarios. Although the contributions of developing countries to local and global environmental conditions is an important concern, equally important is the impact of these conditions on the populations in these countries. For example, many of the

impacts of climate change, such as sea level rise and increased desertification, are likely to be most severe in developing countries. The MEA concludes that ecosystem degradation has caused significant harm to some people, particularly the poor in developing countries, and that continued degradation is a barrier to meeting the UN's Millennium Development Goals.

While developing countries play a key role as both drivers and victims of environmental degradation, environmental protection is not the only, and often not the primary, concern within these countries. In these countries, behaviors that affect the local or global environment often stem from individual or public efforts to increase incomes and reduce poverty in these countries. For example, land clearing that converts forested land into agricultural land is generally driven by a desire to increase the direct, short-run economic returns from the land. Similar considerations drive decisions at the macro level. For example, developing countries such as China and India are reluctant to enter international agreements and take steps to curb emissions of greenhouse gases for fear of negative impacts on economic growth. Given the development goals of these countries, it appears that policies designed to promote environmental protection will only be successful if they simultaneously address the need for economic development and poverty reduction.

While there is a large literature within economics on whether a tradeoff between environmental protection and economic development exists (the "Environmental Kuznets curve" debate), this literature simply assesses historical relationships. In contrast, there is a growing interest in proactively designing policies that have the potential to simultaneously promote environmental and development goals. One example is the payment for ecosystem services (PES). Increasingly, countries are experimenting with this as a policy tool. Another example is the Clean Development Mechanism, under which developed countries effectively pay for developing countries to undertake projects to reduce GHG emissions, or the recycling of carbon tax (or cap and trade) revenues to promote development. A key question is how effective these and similar policies have been or are likely to be.

The purpose of this session is to highlight and discuss what is currently known about strategies or policies designed to simultaneously promote development and environmental protection. It will bring together economists with expertise that spans a wide range of both geographical regions (e.g., Asia, Latin America, Africa) and specific environmental problems. Panelists will be asked to consider both theoretical and practical advantages and disadvantages of various policy options, and to identify those that appear most promising. The outcome should be the beginning of a roadmap for moving forward in designing specific strategies for sustainable development.