

# Applied Environmental Economics Seminar Series

## Previous Presentations

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### **Climate Change**

#### **“The road to and from Paris”**

Carlo Carraro, University of Venice

#### **“An Analysis of Adaptation as a Response to Climate Change”**

Enrica De Cian, Fondazione Eni Enrico Mattei  
(joint presentation with Francesco Bosello and Carlo Carraro)

#### **“Uncertainty and Climate Change”**

Geoff Heal, Columbia Business School

#### **“The Causal Effect of Environmental Catastrophe on Long-Run Economic Growth”**

Solomon Hsiang, Princeton University and University of California, Berkeley (joint work with Amir Jina)

#### **“Do Changes in the Global Climate Generate Violence? Evidence from El Nino and Civil Conflicts since 1950”**

Solomon Hsiang, Columbia University

#### **“Estimating economic damage from climate change in the United States”**

Robert Kopp, Rutgers University

#### **“Strategic social cost of carbon”**

Matthew Kotchen, Yale University

#### **“Climate Change and Extreme Events: Managing Catastrophic and Dependent Risks”**

Carolyn Kousky, Resources for the Future

#### **“The Price of Climate Risk”**

Bob Litterman, Kepos Capital

#### **“Measuring the Impact of Climate Change on Damages from Extreme Events”**

Robert Mendelsohn, Yale University

#### **“Effects of weather on daily school attendance decisions and academic performance”**

Laura Villalobos-Fiatt, University of Gothenburg

#### **“Climate metrics and their application to Methane and Black Carbon”**

Erik Sterner, Chalmers University of Technology

#### **“Valuing Future Costs and Benefits: A Key Issue in Climate Economics”**

Thomas Sterner, University of Gothenburg  
(previously Environmental Defense Fund)

#### **“A Focus on Individuals to Guide Nations Towards a Low Carbon World”**

Massimo Tavoni and Shoibal Chakravarty, Princeton University

### **Climate Policy**

#### **“Leveling the playing field: Border taxes on embodied carbon”**

Kirk Hamilton, The World Bank

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Sacramento, CA / San Francisco, CA / Washington, DC / Beijing, China / La Paz, Mexico

**“The Good, the Bad and the Reality of Environmental Offsets”**

Matthew Kotchen, Yale University

**“Regulating Greenhouse Gases from Coal Power Plants under the Clean Air Act”**

Joshua Linn, Resources for the Future (joint with Erin Mastrangelo and Dallas Burtraw)

**“Social Cost of Carbon and its Regulatory Role”**

Steven Rose, Electric Power Research Institute

**“The Green Paradox and the Limits to Limiting Greenhouse Gas Emissions” (joint with Carolyn Fischer)**

Steve Salant, University of Michigan

**“Federal Coal Program Reform, the Clean Power Plan, and the Interaction of Upstream and Downstream Climate Policies”**

James Stock, Harvard University

**Emissions Trading**

**“How Carbon Markets Fail, and How They Succeed”**

Raphael Calel, Georgetown University

**“Innovation in the EU ETS – Have design deficiencies hindered the scheme’s capacity to stimulate innovation and drive technological change”**

Peter Clinch, University College Dublin

**“The EU ETS: Lessons and Challenges”**

Denny Ellerman, Massachusetts Institute of Technology, emeritus

[\(See slides\)](#)

**“The Cost of Potential Cap-and-Trade Policy: An Event Study using Prediction Markets and Lobbying Records”**

Kyle Meng, Columbia University

**“The SO<sub>2</sub> Allowance Trading System: The Ironic History of a Grand Policy Experiment”**

Richard Schmalensee, Massachusetts Institute of Technology, and Robert Stavins, Harvard University

**“Information and Price Discovery with Price Controls: An Application to Carbon Markets”**

Andrew Stocking, Congressional Budget Office

**“Strategic Trading Behavior and Technology Innovation”**

Luca Taschini, London School of Economics and Political Science

**“The politics of market linkage: Linking domestic climate policies with international political economy”** (joint with Jessica F. Green and Thomas Sterner)

Gernot Wagner, Harvard University (previously with Environmental Defense Fund)

**Methane**

**“Designing policies to address methane super emitters”**

Charles F. Mason, University of Wyoming

**“The Non-Abatement of Methane Leaks”**

Lucija Muehlenbachs, University of Calgary

**Oil and Gas**

**“Bayesian Learning and Regulatory Deterrence: Evidence from Oil & Gas Production”**

Peter Maniloff, Colorado School of Mines

**“The Good, the Bad and the Ugly: Three Key Policy Concerns Related to Fracking”**

Chuck Mason, University of Wyoming

**“Water quality in Gasland: an analysis of the impacts of shale gas development”**

Sheila Olmstead, Resources for the Future (joint work with Lucija Muehlenbachs, Jhih-Shyang Shih, Jessica Chu, and Alan Krupnick)

**“The Housing Market Impacts of Shale Gas Development”** (joint with Lucija Anna Muehlenbachs and Chris Timmins)

Beia Spiller, Environmental Defense Fund

**Energy Markets**

**“Modeling Coordination Between Natural Gas and Electric Power Transmission”**

Seth Blumsack, Penn State University

**“The Environmental Implications of Distributed Energy Resources - Estimating Marginal Emission Rates for Bulk Electric Systems”**

Nicholas Martin, PACE University

**[“Energy Price Reform: A Guide for Policymakers”](#)** (with Chandara Veung and Dirk Heine)

Ian Parry, International Monetary Fund

**“Who Bears the Burden of Energy Taxes? The Critical Role of Pass-Through”**

Sam Stolper, Harvard University

## **Energy Efficiency**

**“Belt and Suspenders and More: The Incremental Impact of Energy Efficiency Subsidies in the Presence of Existing Policy Instruments”** (joint with Sebastien Houde)

Joseph E. Aldy, Harvard University

**“Positive Energy and Applications of Behavioral Economics to Energy Conservation”**

Hunt Allcott, Massachusetts Institute of Technology and New York University

**“The Welfare Effects of Nudges”** (joint with Judd Kessler/Wharton) and **“Measuring the Welfare Effects of Energy Efficiency Programs”** (joint with Michael Greenstone/Chicago)

Hunt Allcott, New York University

**“The Rebound Effect and Energy Efficiency Policy”** (joint with Dave Rapson and Gernot Wagner)

Ken Gillingham, Yale University

**“Energy Conservation ‘Nudges’ and Environmentalist Ideology: Evidence from a Randomized Residential Electricity Field Experiment”**

Matt Kahn, University of California, Los Angeles & National Bureau of Economic Research

**[“California Energy Efficiency: Lessons for the Rest of the World, or Not?”](#)**

Arik Levinson, Georgetown University

**“Deconstructing the ‘Rosenfeld Curve’: Why is per capita residential energy consumption in California so low?”**

Anant Sudarshan, Harvard University

## **Agriculture**

**“Identifying Supply and Demand Elasticities of Agricultural Commodities: Implications for the US Ethanol Mandate”** ([Paper](#))

Wolfram Schlenker, Columbia

**“Agriculture, Nutrient Pollution, Nutrient Trading”**

Jim Shortle, Penn State University

## **Water**

**“The Economic Value of Secure Water: Landowner Returns to Defining Groundwater Property Rights”**,

Andrew Ayres, University of California, Santa Barbara

**“Agricultural Groundwater Markets: An Analysis of the Gains from Trade and the Role of Market Power”**

Ellen Bruno, University of California, Davis

**“Liquid Constrained in California: Estimating the Potential Gains from Water Markets”**

Nick Hagerty, Massachusetts Institute of Technology

## **Air Pollution**

**“Air pollution and perception-based averting behavior in the Jinchuan mining area, China”**

Henk Folmer, University of Groningen

**“Air Pollution as a Cause of Violent Crime: Evidence from Los Angeles and Chicago”**

Evan Herrnsstadt, Harvard University

**“Compliance, Efficiency, and Instrument Choice: Evidence from Air Pollution Control in China”**

Thomas Stoerk, Environmental Defense Fund

**“The Distribution of Environmental Damages”**

Reed Walker, University of California, Berkeley

**“The Impact of Air Pollution on Medical Expenditures: Evidence from Spending on Chronic Respiratory Conditions”**

Austin Williams, University of Wisconsin-Madison

**Transportation**

**“The Norwegian Electric vehicle experience”**

Mads Greaker, Statistics Norway

**“Compatibility and Investment in the U.S. Electric Vehicle Market”**

Jing Li, Harvard University

**“Strategic Response to Environmental Regulation: Theory, and Evidence from the U.S. Freight Truck Industry”**

Katherine Rittenhouse, University of California, San Diego (Previously with Environmental Defense Fund)

**Other topics of note**

**“Externalizing the Internality”**

Hunt Allcott, Massachusetts Institute of Technology

**“Forest law enforcement through district blacklisting in the Brazilian Amazon” (joint with S. Zhou and E. Cisneros)**

Jan Börner, University of Bonn

**“Achieving markets that support economic growth and protect the environment”**

Frank Convery, Environmental Defense Fund

**“Technical Change and Gender Wage Inequality: Long-Run Effects of India’s Green Revolution”**

Anthony D’Agostino, Columbia University

**“A New (Economic) Approach to Environmental Technology Standards”**

Maria Damon, New York University

**“The Impact of Regulation on Green Innovation”**

Antoine Dechezleprêtre, London School of Economics and Political Science

**“Knowledge spillovers from clean technologies” (joint with Ralf Martin and Myra Mohnen)**

Antoine Dechezleprêtre, London School of Economics and Political Science

**“The Effects of Bat Population Losses on Infant Mortality through Pesticide Use in the U.S.”**

Eyal Frank, Columbia University

**“Competing regimes for global energy governance: China’s emergence in international power finance”**

Phillip Hannan, Princeton University

**“Allocation in environmental markets: A field experiment with tree planting contracts in Malawi”**

Kelsey Jack, Harvard University

**“Greenhouse gas taxes on animal food products: rationale, tax scheme and climate mitigation effects.”**

Kristina Mohlin, Environmental Defense Fund

**“Induced development in risky locations: fire suppression and land use in the American West”**

Sheila Olmstead, Resources for the Future

**“Finding a Green Nudge: An Evolutionary Perspective”**

Lorenzo Cerda Planas, Paris School of Economics

**“Beliefs and Identification in Dynamic Hedonic Models”**

Matthew Ranson, Harvard University

**“Design and Enforcement of Environmental Regulation in India”**

Nicholas Ryan, Yale University

**“Do Environmental Messages Work on the Poor? Experimental Evidence from Brazilian Favelas”**

Chantal Toledo, University of California, Berkeley

**“When (if ever) is it Ethical (or at least appropriate) to Tell the Truth, Nothing but the Truth, but not Necessarily the Whole Truth?”**

Gary Yohe, Wesleyan University