

AERE 2021 Virtual Summer Conference Program

The AERE Virtual Summer Conference was held June 2–4, 2021. All times are Eastern Time (ET). Session chairs are shown in bold.

Wednesday, June 2, 2021

9:00–10:30 a.m. ET

Climate Policy 1

- Optimal Carbon Pricing in General Equilibrium Revisited: Temperature caps and stranded assets in an extended annual DSGE model – Armon Rezai, Vienna University of Economics
- Does Emission Trading Scheme Reduce Carbon Emissions: Firm-level Evidence from the Regional Carbon Market Pilots in China – Yang Zheng, London School of Economics
- Fostering pro-environmental choices without crowding out subsequent ones, microeconomic foundations for behavioral interventions and their spillover effects – Julien Picard, London School of Economics
- **Overlapping Climate Policies – Arthur van Benthem, University of Pennsylvania**

Environmental Impacts of Fossil Fuel Supply

- Drill, Baby, Drill: Resource Shocks and Fertility in Indonesia – Paul Brehm, Oberlin College
- Incomplete Environmental Regulation and Spatial Misallocation in the Offshore Oil and Gas Industry – Nicholas Vreugdenhil, Arizona State University
- Pipeline and Property Values: A Nationwide Hedonic Analysis of Pipeline Accidents Over the Past Three Decades – Nieyan Cheng, Iowa State University
- **The Economic Consequences of Local Natural Gas Leaks: Evidence from Massachusetts Housing Market – Pengfei Liu, University of Rhode Island**

Environmental Regulation

- Effectiveness of Command-and-Control in Mitigating Industrial Pollution: Evidence from Environmental Regulation in India – Ashish Tyagi, Frankfurt School of Finance & Management
- Environmental Regulation and Product Quality: Evidence from Chinese Exporters – Longzhou Wang, University of Calgary
- The Reallocation Effect of Emissions Cap-and-Trade: Evidence from China – Hao Zhao, Chapman University
- **The Role of Market Structure in Regulating Externalities: Evidence from the U.S. Shale Boom – Mark Agerton, University of California, Davis**

Water 1

- Endogenous Water Rates and Consumer Response – Steven Smith, Colorado School of Mines

- Unintended Consequences of Latrine Construction: Externalities on Water Quality and Health in India – Kazuki Motohashi, Tufts University
- Can electricity rebates modify groundwater pumping behaviors? Evidence from a pilot study in Punjab, India – Archisman Mitra, International Water Management Institute
- **Water Reliability Improvement in Jordan: An Impact Evaluation – Marc Jeuland, Duke University**

Valuing Risk Reductions

- Sorting over the Dual Risk of Coastal Housing Market – Zhenshan Chen, University of Connecticut
- Sorting For Life: Mortality and House Prices – Sophie Mathes, FGV EPGE
- Climate Change, Large Risks, Small Risks, and the Value per Statistical Life – Milan Scasny, Charles University Prague
- **Natural Disasters and climate change beliefs: the role of distance and prior beliefs – Daniel Osberghaus, Centre for European Economic Research (ZEW) Mannheim**

Electricity Markets and Consumption

- Pricing the pump – Louis Preonas, University of Maryland
- Decomposing the Effect of Renewables on the Electricity Sector – Matt Woerman, University of Massachusetts - Amherst
- The Economic Costs of NIMBYism: Evidence from Renewable Energy Projects – Stephen Jarvis, University of California, Berkeley
- **Inequitable and Heterogeneous Impacts on Electricity Consumption from COVID-19 Mitigation Measures: Evidence from consumers and businesses – Lucy Qiu, University of Maryland, College Park**

11:00 a.m.–12:30 p.m. ET

Environment and Development

- Willingness to pay for cooking fuels: results from a contingent valuation experiment in urban Kenya and Tanzania – Ipsita Das, Duke University
- Is rural to urban migration a driver of environmental change? Assessing responses to rural outmigration in Uganda – Julia Brewer, University of British Columbia
- Gendered Time-Saving Benefits of LPG Stoves – Jennifer Meyer, Franklin and Marshall College
- **Are poorer Mexicans exposed to worse air quality? Long-term Evidence from Satellite Imaging Data – Lopamudra Chakraborti, CIDE**

Voluntary Environmental Programs and Actions

- The Demand for Voluntary Carbon Sequestration – Experimental Evidence from a Reforestation Project in Germany – Lara Bartels, Centre for European Economic Research (ZEW) Mannheim
- Modeling Transaction Costs within Household Adoption Behaviors: A Case Study of Landscape Best Management Practices – Tom Ndebele, Clark University

- **The benefits of voluntary brownfield cleanup: Evidence from Chicago – Richard Melstrom, Loyola University Chicago**

Climate Impacts 1

- A Unifying Approach to Measuring Climate Change Impacts and Adaptation – Noah Miller, University of Southern California
- Effects of climate change impacts on costs of forest carbon sequestration – Alla Golub, Purdue University
- Global food prices, local weather, and migration in Sub-Saharan Africa – Barbora Sedova, Potsdam Institute for Climate Impact Research (PIK)
- **The Network Effects of Climate Change: Evidence from Airline Delays – David Adler, Carnegie Mellon University**

Climate Policy 2

- Optimal carbon taxation under oligopoly: An application to commercial aviation – Diego Cardoso, Cornell University
- Induced Innovation Effect through Corporate Ownership Networks: Evidence from China's Carbon ETS – Yang Zheng, London School of Economics
- Attribute Production and Technical Change – Asa Watten, Michigan State University
- **Toxic Hotspots from Market Design in Regional Climate Policy – Brittany Taruffelli, Louisiana State University**

Conservation 1

- Conservation with Co-Benefits – Renato Molina, University of Miami
- Does land conservation raise taxes? Evidence from New England cities and towns – Alexey Kalinin, Harvard University
- **Habitat Loss and the Risk of Disease Outbreak – Edward Barbier, Colorado State University**

Pollution and Health 1

- Environmental regulations, air pollution, and infant mortality in India: A reexamination – Olexiy Kyrychenko, CERGE-EI
- Sustainable Agriculture, Residue Burning, and Urban Infant Mortality: Evidence from Mexico – Joel Ferguson, University of California, Berkeley
- Beyond The Haze: Air Pollution and Student Absenteeism - Evidence from India – Tejendra Pratap Singh, Georgia State University
- **Can Air Pollution Save Lives? The Impacts of Air Quality on Risky Behavior – Yau-Huo Shr, National Taiwan University**

2:00–3:30 p.m. ET

Climate Impacts 2

- Introduction to the National Climate Assessment and the Integration of Economic Analyses – Austin Scheetz, U.S. Global Change Research Program

- Health, climate, and agriculture: A case study of childhood cancer in Brazil's Amazon and Cerrado biomes – Marin Skidmore, University of Wisconsin, Madison
- Hospitalized in the Heat of the Moment: Individual and Regional Risk Factors for the Health of the Elderly – Hannah Klauber, Mercator Research Institute on Global Commons and Climate Change (MCC)
- **Heat and Violent Behavior in Prison: Evidence from Mississippi – Nicholas Sanders, Cornell University**

Climate Policy 3

- Green bonds, short-termism, and climate policy – Julien Daubanes, University of Geneva
- The Global Climate Game – R.J.R.K. Heijmans, Tilburg University
- Network charges and firm location choice – Kinga Tchorzewska, Centre for European Economic Research (ZEW) Mannheim
- Climate Policy, Financial Frictions, and Transition Risk – Givi Melkadze, Georgia State University
- **Session Chair: Garth Heutel, Georgia State University**

Trade and Environment

- North-South Displacement Effects of Environmental Regulation: The Case of Battery Recycling – Shinsuke Tanaka, Tufts University
- Does International Trade Drive Manufacturers to Go Green? Firm-level Evidence from China – Liqun Zhuge, Boston University
- Environmental Standard, Waste Backhaul and Maritime Trade – Xiting Zhuang, University of Connecticut
- **The Impact of Piracy on Global Shipping – Gavin McDonald, University of California**

Pricing, Information and Energy Demand

- RCTs Against the Machine: Can ML prediction methods recover experimental treatment effects? – Brian Prest, Resources for the Future
- Lights out in California: The effect of wildfire-related electricity outages on electrification – Cody Warner, University of California, Berkeley
- 'Pay-Later' vs. 'Pay-As-You-Go': Experimental Evidence on Present-Biased Overconsumption and the Importance of Timing – Madeline Werthschulte, ZEW Mannheim
- **How Do Consumers Respond to Price Complexity? Experimental Evidence from the Power Sector – Grant Jacobsen, University of Oregon**

Electricity Markets

- Long-Run Electricity Market Dynamics – Christopher Holt, University of Maryland at College Park
- Wiring America: The Short- and Long-Run Effects of Electricity Grid Expansion – Gaurav Doshi, University of Wisconsin, Madison
- Electricity Market Restructuring and Retail Rates – Greg Upton, LSU
- Multi-Product Firms in Electricity Markets: Implications for Climate Policy – Jesse Buchsbaum, UC Berkeley

- **Session Chair: Catie Hausman, University of Michigan-Ann Arbor**

Environmental Justice

- The distributional benefits of emission reductions from renewable energy – Daniel Kaffine, University of Colorado, Boulder
- The distributional effects of floods on property prices – Daniel Brent, Pennsylvania State University
- Economic Opportunity and the Environment – John Voorheis, US Census Bureau
- **More than a Nuisance: The Distributional Impact of Sea Level Rise on Commute Times in Miami, FL by race and income – Glenn Sheriff, Arizona State University**

4:00–5:30 p.m. ET

Wildfires and the Environment

- Wildfires, Smoky Days and Labor Supply – Ron Chan, University of Manchester
- The Impacts of Wildfires and Wildfire-induced Air Pollution on Housing Prices in the United States – Zeying Huang, Michigan State University
- Wildfire and Establishment Sales – Zhiyun Li, Cornell University
- **The distributional Incidence of Wildfire Hazard – Matthew Wibbenmeyer, Resources for the Future**

Environmental Impacts of Energy

- Adjustment on the Margin: Evaluating Emissions reduction policies in the face of short-run adjustment costs – James Archsmith, University of Maryland, College Park
- Do Polluters Strategically Locate near Borders? The Geography of US Power Plants and their Emissions – Edward Rubin, University of Oregon
- Energy prices, generators, and the (environmental) performance of manufacturing firms: Evidence from Indonesia – Hannes Greve, German Institute for Global and Area Studies (GIGA) and University of Göttingen
- **The Health Benefits of Solar Power Generation: Evidence from Chile – Beia Spiller, Environmental Defense Fund**

Valuing Benefits and Amenities

- Using Economic Experiments to Assess Validity of Stated Preference Contingent Behavior Responses – Lusi Xie, University of Alberta
- What Are the Benefits of a Subway in Mumbai? – Maureen Cropper, University of Maryland
- Spatial Sorting, Agglomeration Economies, and Travel Cost Endogeneity in Recreation Demand Models – Jacob Bradt, Harvard Kennedy School
- **Cognitive Capacity, Mental Well-being, and the Local Environment: Evidence from Urban India in the time of COVID – Jamie Mullins, University of Massachusetts - Amherst**

Renewable Energy 1

- Municipal Building Codes and the Adoption of Solar Photovoltaics – Bela Figge, Georgia State University
- Dynamic Costs and Market Power: Rooftop Solar Penetration in Western Australia – Akshaya Jha, Carnegie Mellon University
- The Welfare Effects of Solar Panel Tariffs – Todd Gerarden, Cornell University
- **Income and racial disparities in financial returns from solar PV deployment – Christine Crago, University of Massachusetts - Amherst**

Climate Impacts 3

- Natural Disaster and Schooling: Evidence from Satellite-based Flood Constructs and School Census Data in Bangladesh – Mohammad Mainul Hoque, Bangladesh Institute of Development Studies
- The Nuisance of Flooding: A Hedonic Analysis of Flood Risk Impacts in Miami Beach, Florida – Jessica Balukas, ICF
- Climate change increases resource-constrained immobility – Hélène Benveniste, Princeton University
- **From Micro-level Weather Shocks to Macroeconomic Impacts – Anthony Harding, Harvard University**

7:00–8:30 p.m. ET

AERE Networking Event and Awards (sponsored by NOAA)

The event was held on Gatherly, a spatial video chat platform that lets attendees interact as they would in person. A room map allowed networking before and after the formal program, which was broadcast to everyone in the room.

- 7:00–7:30 p.m. ET – Mingle and Mix
- 7:30–8:30 p.m. ET – Formal Awards Program

Thursday, June 3, 2021

9:00–10:30 a.m. ET

Innovation and Technology Adoption

- Innovation for Social Progress: When Imperfect Appropriability Meets Incorrect Prices – Jacquelyn Pless, Massachusetts Institute of Technology
- Patent Protection and the Transition to Clean Technology – Isabel Hovdahl, Norwegian School of Economics (NHH)
- Technology Transitions and the Timing of Environmental Policy: Evidence from Efficient Lighting – Sarah Armitage, Harvard University
- **Patents and P2: Innovation and Technology Adoption for Environmental Improvements – Donna Ramirez Harrington, University of Vermont**

Pollution, Education and Productivity

- Unconventional Oil and Gas Development and Student Performance on Standardized Tests – Gal Koss, Colorado State University
- Non-Occupational Pesticide Exposure and Academic Achievement: School-Level Evidence from California – Andrew Chia, Harvard University
- Productivity Loss amid Invisible Pollution – Yun Qiu, Jinan University
- **The Long-Run Spillover Effects of Pollution: How Exposure to Lead Affects Everyone in the Classroom – Ludovica Gazze, University of Warwick**

Pollution Monitoring and Polluter Response

- What types of information make airborne lead pollution salient to homeowners and who does it cost? National evidence from US airports – Adam Theising, University of Wisconsin, Madison
- Pollution Monitoring, Strategic Behavior, and Dynamic Representativeness – Lin Yang, Cornell University
- Strategic Shutdowns of Air Quality Monitors: Evidence from Jersey City and Across the U.S. – Edward Rubin, University of Oregon
- **Ambient pollution mechanisms with remote sensing technology: An application to the oil and gas industry – Ben Gilbert, Colorado School of Mines**

Climate Policy 4

- Unilateral carbon policies and electricity trade – Yuting Yang, University of New Mexico
- Optimal climate policy in the face of tipping points and asset stranding – Frank Venmans, London School of Economics
- Endogenous climate policy, systemic risk and asset stranding – Achim Hagen, Resource Economics Group, Humboldt-Universität zu Berlin, and Berlin School of Economics
- **Climate policy uncertainty and firms' and investors' behavior – Pier Basaglia, University of Hamburg**

Resilience and Adaptation

- Offices, malls and parks provide heat relief in the rich urban tropics – Rhita Simorangkir, National University of Singapore
- Adaptation to Natural Disasters by Better Information: Evidence from the Home Seller Disclosure Requirement – Seunghoon Lee, University of Chicago
- Beyond Beach Width: Assessing the Capitalization of Dune System Attributes in Property Values – Ethan Addicott, Yale University
- **Agrobiodiversity and Resilience to Climate Change in the Euro-Mediterranean Region: a Ricardian Analysis – Lea Nicita, Yale University**

Environmental Justice and Inequality

- When Does “Not in My Backyard” Make Matters Worse? Environmental Justice Concerns in Solid Waste Disposal – Phuong Ho, Norwegian School of Economics (NHH)
- Natural Resources and Inequality: Evidence from the US States – Loujaina Abdelwahed, Cooper Union
- **Energy Insecurity in Redlined America – Justin Kirkpatrick, Michigan State University**

11:00 a.m.–12:30 p.m. ET

Keynote address by Professor Joseph Shapiro, University of California at Berkeley

Title: Costs, Benefits, and Incidence of Environmental Policy in the Twenty-First Century

Description: This paper discusses four hypotheses about US pollution over the last half-century. First, air and water pollution have declined substantially, though greenhouse gas pollution has not. Second, environmental policy has caused a large share of the decreases in pollution. Third, many regulations of air and drinking water pollution have meaningfully increased social welfare, though evidence for welfare gains from surface water quality regulation is less systematic. Fourth, while the distribution of pollution across social groups is sharply unequal, market-based environmental policies do not systematically improve or worsen this inequality relative to traditional policy tools. Evidence is strongest for the first hypothesis, and I discuss recent innovations in methods and data around the other three hypotheses.

12:30–2:00 p.m. ET

AERE Lunch Match-Up Program (sponsored by The Brattle Group)

Graduate students and other conference attendees were randomly matched, up to a total of 150 participants, for a virtual chat over meals ordered with Uber Eats vouchers provided by AERE.

2:00–3:30 p.m. ET

Regulating Mobile Sources

- The Effects of Heavy-Duty Vehicle Fuel Economy Standards – Stephanie Weber, Yale University
- Experimenting with Mobility Pricing in Switzerland – Beat Hintermann, University of Basel
- Does air pollution lead to road accidents? Evidence from California – Apar G C, Washington State University
- **Regulating Untaxable Externalities: Evidence from Vehicle Air Pollution – James Sallee, University of California, Berkeley**

Political Economy and Environmental Activism

- The political economy of subsidy removal: Theory and empirical evidence of fossil-fuel subsidy removal in presidential democracies – Mariza Montes de Oca León, German Institute for Economic Research (DIW Berlin)
- The Economic Cost of Populism in Developing Countries: Evidence from ‘gas price holidays’ in Brazil – Claudio Lucinda, Universidade de São Paulo
- Paying at the Pump and the Ballot Box: Electoral Penalties of Motor Fuels Taxes – Andrew Waxman, University of Texas at Austin
- **Environmental Activism in the Age of Polarization – John Maxwell, Indiana University**

Valuing Benefits with Surveys

- Distributional policy impacts, WTP-WTA disparities, and the Kaldor-Hicks tests in BCA – Zachary Brown, North Carolina State University

- A comparison of mail and online surveys for eliciting homeowners' willingness to pay for reducing wildfire risk to their houses – Jose Sanchez, US Forest Service, Pacific Southwest Research Station
- Effects of the location of perceived consequentiality elicitation in a discrete choice experiment survey – Ewa Zawojka, University of Warsaw
- **Do You Know Who's Answering Your Survey? Expanding Threats to the Integrity of Online Panel Data in Environmental and Resource Economics – Robert Johnston, Clark University**

Marine Resources and Fisheries

- Econometric Cost Models for Restoration Planning: An Application to Fish Passage Barriers in the Pacific Northwest – Braeden Van Deynze, University of Washington
- Spatial-dynamic model of commercial fishermen trip decision-making – Xiurou Wu, University of California, Davis
- Local economic and environmental impacts of marine reserves in rural coastal economies – Amanda Lindsay, Luther College
- Risk, restrictive quotas, and income smoothing – Robbert Schaap, Heidelberg University
- **Do observers make fishers better conservationists? – Jennifer Raynor, Wesleyan University**

Climate Adaptation 1

- Flood risks and the capitalization of climate adaptation: Evidence from levee construction – Haoluan Wang, University of Maryland, College Park
- Wetlands, Flooding, and the Clean Water Act – Hannah Druckenmiller, University of California, Berkeley
- Incentivizing Social Learning for the Diffusion of Climate-Smart Agricultural Techniques – Tung Nguyen Huy, Tilburg University
- **Heat Adaptation and Human Performance in a Warming Climate – Steven Sexton, Duke University**

4:00–5:30 p.m. ET

Using New Data Sources to Value Recreation (sponsored by NOAA)

- Remote sensing of recreation-use value at public parks – Cameron Duff, NOAA Office of Response and Restoration
- Wildfire Smoke Exposure and Outdoor Recreation on Public Lands: Using 'Big Data' in a Travel Cost Valuation Framework – Jacob Gellman, University of California-Santa Barbara
- People Use Parks with People: Evidence from the COVID-19 Pandemic – Andie Creel, Yale University
- **The Effects of Race, Income, and Education on Outdoor Recreation during the COVID Pandemic – Matthew Sloggy, US Forest Service, Pacific Southwest Research Station**

Climate Impacts 4

- The long-term effect of temperature variability on economic activity - new evidence from spatial econometric analysis of high-resolution nightlights data – Manuel Linsenmeier, London School of Economics
- Temperature and work of bureaucrats: Empirical analysis on auditing reports in Brazil – Mizuhiro Suzuki, University of Wisconsin, Madison
- Extreme temperatures and loan defaults: Evidence from bank-firm level data in Mexico – David Heres, Central Bank of Mexico
- **Temperature and Morbidity in Colombia – Juliana Helo, Universidad de los Andes**

Endangered and Invasive Species

- Examining the Effectiveness of Nonprofit Groups' Expenditures on Species Recovery: the Case of Pacific Northwest Salmonids – Zichu Zhao, Oregon State University
- Individual environmental preferences and aggregate outcomes: an empirical agent-based model of forest landowner invasive species control – Shadi Atallah, University of Illinois at Urbana-Champaign
- Should multiple agents work together or split their job to control populations of harmful species? – Adam Lampert, Arizona State University
- **Noah's Ark on Rising Seas – Frances Moore, University of California, Davis**

Wildlife Conservation

- Wildlife Trade Policy and the Decline of Wildlife – Laura Márquez-Ramos, University of Adelaide
- Agency Funding and Organization in the Service of Wildlife Conservation – Dean Lueck, Indiana University
- Development, Deforestation, and Decline of Species Diversity in India – Raahil Madhok, University of British Columbia
- The Charisma Premium: Iconic Individuals and Wildlife Values – John Lynham, University of Hawaii
- **Session Chair: Lynne Lewis, Bates College**

Climate Adaptation 2

- Climate Change Adaptation in Forestry: Changing Forest Landscapes in the Southeast United States – Kelsey Johnson, Oregon State University
- The Role of Local Environmental Institutions in Climate Adaptation: Evidence from Conservation Districts in the Great Plains – Aparna Howlader, Princeton University
- Building codes and community resilience to natural disasters – Judson Boomhower, University of California, San Diego
- **Welfare Effect of Land Use Adaptation under Weak Institution: Soil Salinity Intrusion in Bangladesh – Mohammad Islamul Haque, University of Southern California**

Oil and Gas

- Severance Tax or Impact fee; Analyzing the effects in UOG industry: Evidence from Marcellus shale region – Pinky Thomas, West Virginia University

- Balancing Rent Extraction and Project Execution: the Case of Auctions for Oil Leases in Mexico – Igor Hernandez, Rice University
- The Hotelling rule: maxim or fallacy? – Samuel Okullo, Zhongnan University of Economics and Law
- **Whose Frac is It, Anyway? Using Sources of Productivity Gains to Explain Industrial Organization in Oilfield Services – Charles Mason, University of Wyoming**

7:30–9:00 p.m. ET

Air Pollution Policy

- Is Air Pollution Regulation Too Stringent? – Joseph Shapiro, University of California, Berkeley
- Adaptation and mitigation of air pollution: evidence from air quality warnings – Sandra Aguilar Gomez, Columbia University
- Strategic Local Regulators and the Efficacy of Pollution Standards – Ruohao Zhang, Binghamton University
- **Brown(er) Skies after Blue Skies Days? The Unintended Consequences of Short-Term Bans on Air Quality in China – Renzhi Shen, University of Southern California**

Environmental Federalism and Regulatory Delegation

- When and Why Do Intergovernmental Grants Crowd-Out Local Spending? Evidence from The Clean Water Act – Patrick Flynn, Vanderbilt University
- Do government cost-share programs for irrigation water management improve groundwater availability in the Mississippi River Valley Alluvial Aquifer? – Oladipo Obembe, Arkansas State University
- Delegation of Regulation and Perceived Corruption in South Africa – Pedro Naso, GRADE
- **Spatiotemporal Analysis of Traffic Congestion, Air Pollution, and Exposure Vulnerability in Tanzania – Susmita Dasgupta, The World Bank**

Dealing with Market Failures

- Labor Market Responses to Environmental Regulation – John Morehouse, University of Oregon
- Efficiency of Water Markets under Prior Appropriation: Evidence from Permanent Water Rights Sales in Nevada – Egan Cornachione, University of Nevada, Reno
- If you build it, they will compost: The effects of municipal composting services on household waste generation – Rebecca Taylor, University of Sydney
- **Correcting Market Failures with a ‘Durability Gap’ – Don Fullerton, University of Illinois, Urbana-Champaign**

Pure and Impure Public Goods

- Policy Instrument Choice with Coasean Provision of Public Goods – Matthew Kotchen, Yale University
- Groundwater Under Open Access: A Structural Model of the Dynamic Common Pool Extraction Game – Louis Sears, Cornell University

- The Efficiency of Tax Deductions for Charitable Donations Revisited: Evidence from Environmental Groups – Christian Langpap, Oregon State University
- **Incentives for Impure Public Good Contributions and Motivational Crowding: Evidence from Laboratory and Framed Field Experiments – Vic Adamowicz, University of Alberta**

Friday, June 4, 2021

9:00–10:30 a.m. ET

Agriculture Production and Markets

- Agricultural Labor Exits Increase Crop Fires – Hemant Pullabhotla
- Subsidization of mechanized tillage as an alternative to fire-based land preparation by smallholders: an economic appraisal of the case of southwestern Brazilian Amazon – Thiago Morello, UFABC
- A novel framework to model commodity markets – Patric Papenfuß, University of Augsburg
- **Assessing the Efficiency of Veterinary Feed Directive in Reducing Antibiotics Use – Hongli Feng, Iowa State University**

Pollution and Health 2

- Acute Health Responses to Renewable Energy – Harrison Fell, North Carolina State University
- Cicadian Rhythm: Insecticides, Infant Health and Long-term Outcomes – Charles Taylor, Columbia University
- Industrial Lead Emissions and Infant Mortality – Xiao Wang, Carnegie Mellon University
- **Air Pollution and Health Costs of Coal Production: Evidence from Coalmine Accidents in China – Scott Holladay, The University of Tennessee**

Enforcement and Compliance 1

- Does the Stock Market React Symmetrically to Equivalent Environmental Virtues and Violations? – Binish Rijal, University of Richmond
- Fundamental change or cover-up: how do local governments respond to central campaign-style enforcement? – Qi Wang, Nanjing University
- Financial Policy, Green Transition and Recovery after the COVID-19 – Dongyang Pan, University College London
- **The Effect of Compliance Assistance on Compliance and Discharges – Jay Shimshack, University of Virginia**

Agriculture and the Environment 1

- Size-Based Regulation and Environmental Quality: Evidence from the U.S. Livestock Industry – Chen-Ti Chen, Iowa State University
- Will tests lead to more informed antibiotics use? An application in veterinarian diagnostic decisions – Yanan Jia, Michigan State University
- Ecological compensation of stochastic agricultural wetland habitat – Katarina Elofsson, Aarhus University

- **Utilizing Nature's Nurture: Lightning, Nitrogen Supply, and Crop Production – Xiaomeng Cui, Jinan University**

Conservation 2

- Rainforest Conservation policy assessment: The case of the Atlantic Forest in Brazil – Keyi Ussami, University of Sao Paulo
- Fight fire with finance: a randomized field experiment to curtail land-clearing fire in Indonesia – Ryan Edwards, Australian National University
- The Brazilian Amazon's Double Reversal of Fortune – Francisco Costa, University of Delaware
- Economic Development and Conservation Impacts of China's Nature Reserves – Audrey Cheng, Yale University
- **Session Chair: Katharine Sims, Amherst College**

Hurricanes

- When the Storm Has Passed: The Long-Term Effects of Hurricane Exposure – Brennan Williams, University of Virginia
- Local Public Finance Dynamics and Hurricane Shocks – Rhiannon Jerch, Temple University
- Migration as Adaptation? U.S. Relocations in Response to Hurricanes – Margaret Walls, Resources for the Future
- **Who Weathers the Storm The Unequal Effects of Hurricanes in the United States – Jonathan Colmer, University of Virginia**

11:00 a.m.–12:30 p.m. ET

Electrification

- Impact of co-adoption of electric vehicles and solar panel systems: Empirical evidence from Arizona – Jing Liang, University of Maryland
- Estimating the Cost of Meeting Electric Vehicle Adoption Targets in the United States – David Rapson, University of California, Davis
- The effect of rebate and loan incentives on residential heat pump adoption: Evidence from North Carolina – Xingchi Shen, University of Maryland at College Park
- **Pumping the Brakes: Vehicle portfolio choice and electric cars in California – Fiona Burlig, University of Chicago**

Climate Policy 5

- Do carbon tariffs reduce greenhouse gas emissions? Evidence from trade tariffs – Vincent Thivierge, University of California, Santa Barbara
- Endowment Effects, Expectations, and Trading Behavior in Carbon Cap and Trade – Beomseok Yoon, University of Georgia
- The Ins and Outs of Employment: Labor Market Adjustments to Carbon Taxes – Chi Man Yip, Hong Kong Polytechnic University
- **Incentivizing Negative Emissions Through Carbon Shares – Derek Lemoine, University Of Arizona**

Natural Resource Management

- Observability and Stakeholder Conflict in Marine Policy – Jorge Holzer, University of Maryland at College Park
- Differential price elasticities of deforestation across the Indonesian oil palm sector – Valentin Guye, INRAE
- **Pre-emptive bioeconomic adaptation to exogenous regime shifts – David Finnoff, University of Wyoming**

Energy, Income, Race and Justice

- Subsidizing appliance replacement in low-income households – Bettina Chlond, Centre for European Economic Research (ZEW) Mannheim
- Who Gets a Bid? Racial Disparities in Price Quotes – Derek Wolfson, University of California, Berkeley
- **The Canary in the Coal Decline: Appalachian Household Finance and the Transition from Fossil Fuels – Joshua Blonz, Federal Reserve Board**

Enforcement and Compliance 2

- Financial assistance and violations of environmental regulations: evidence from the Clean Water Act (CWA) and the Clean Water State Revolving Funds (CWSRF) – Sharaban Anica, West Virginia University
- Enforcing Regulation when Violations are Heterogenous: Empirical Evidence from U.S. Stationary Emissions Policy – Almira Salimgarieva, Washington State University
- **Audit Tournaments vs. Random Audits in Environmental Regulation: The Impact of Information Structures on Compliance and Self-Reporting – Timo Goeschl, Heidelberg University**

Natural Disasters

- Household location choice and the welfare effects of natural disasters – Deshamithra Jayasekera, Pennsylvania State University
- Tsunami risk and information shocks: Evidence from the Oregon housing market – Amila Hadziomerspahic, Oregon State University
- In the Eye of the Storm: Firms and Capital Destruction in India – Martino Pelli, Université de Sherbrooke
- **Natural Disasters that Cause No Damage: Accounting for the Selective Reporting of Weather Damage – Justin Gallagher, Montana State University**

2:00–3:30 p.m. ET

Natural Resources and Development

- The wealth-income ratio with natural capital – Rintaro Yamaguchi, National Institute for Environmental Studies
- Socio-economic and environmental effects of eco-tourism – Santiago Saavedra, Universidad del Rosario

- The Presource Curse: Anticipation, Disappointment, and Governance after Oil Discoveries – Erik Katovich, University of Wisconsin, Madison
- **Collective action for sanitation: Evidence from experimental games in rural India – Emily Pakhtigian, Pennsylvania State University**

Energy Efficiency 1

- Optimal Targeting in Information Provision Programs: Evidence from Home Energy Reports – Muxi Yang, Cornell University
- Causal Estimate of Avoided Energy Use from Tree Shade – Jacqueline Doremus, California Polytechnic State University
- Smart Tech, Dumb Humans: The Perils of Scaling Household Technologies – Christopher Clapp, University of Chicago
- **Using Machine Learning to Target Treatment: The Case of Household Energy Use – Samuel Stolper, University of Michigan-Ann Arbor**

Renewable Energy 2

- The Effects of Local Zoning Laws on Wind Energy Development – Justin Winikoff, USDA Economic Research Service
- When You're Their Biggest Fan: Optimal Subsidies to Wind Power with Multiple Policy Instruments – Michael Ricks, University of Michigan-Ann Arbor
- How Do Imperfections in Competition and Information Affect Price Dispersion? Evidence from the US Solar Photovoltaic Industry – Ivy Cao, Yale University
- **Retire, repair, or repower? Wind investments in a maturing industry – Timothy Fitzgerald, Texas Tech University**

Agriculture and the Environment 2

- The Distributional Consequences of Incomplete Regulation – Danae Hernandez Cortes, University of California, Santa Barbara
- A bird's eye view on farm size and biodiversity – Frederik Noack, University of British Columbia
- Using Behavioral Science-based Insights to Design Agri-Environmental Programs: Experimental Evidence from Conservation Management Practice Auctions with Producers – Pallavi Shukla, Johns Hopkins University
- **Economies of scale and ecology of scope – Martin Quaas, iDiv**

Water 2

- Lead exposure, human capital formation, and inequality: the impacts of drinking water lead on short-run and long-run educational outcomes – Jiameng Zheng, University of Texas at Austin
- Estimation of Groundwater Service Values and Time Preferences using Flexible Mixing Distributions – Kent Kovacs, University of Arkansas
- Effectiveness of local regulations on non-point source pollution: Evidence from Wisconsin dairy farms – Tihitina Andarge, University of Massachusetts

- **The Social Costs of Nutrient Pollution in the United States – David Keiser, University of Massachusetts - Amherst**

Climate and Agriculture 1

- Quantifying Vulnerability of Crop Yields in India to Weather Extremes – Kedar Kulkarni, Oregon State University
- The Contribution of Anthropogenic Climate Change to US Agricultural Productivity Growth – Yurou He, Cornell University
- Adapting Nitrogen Management to Climate Change: Evidence from Field Experiments in Iowa – Eesul Choi, Iowa State University
- **Combined effects of dry, hot weather on agricultural output – Steve Miller, University of Colorado, Boulder**

4:00–5:30 p.m. ET

Vehicle Regulation Outcomes

- Drive Less, Drive Better, or Both? Behavioral Adjustments to Fuel Price Changes in Germany – Anna Alberini, University of Maryland at College Park
- Using big data to estimate the environmental benefits of congestion pricing in the Los Angeles area – Ruozhi Song, University of Southern California
- Congestion and the price of gasoline: Evidence from vehicle probe data – Cody Nehiba, Louisiana State University
- **Choosing to Diet: The Effect of Vehicle Ownership Restrictions on China's Car Sales, Fuel Consumption, and Greenhouse Gas Emissions – Antung Liu, Indiana University**

Climate and Agriculture 2

- DID with endogenous spillovers: model and application to drought-shocks on the trade and production of wheat – Sandy Dall'erba, University of Illinois at Urbana-Champaign
- Hedonic Valuation of High-Frequency Flood Risk on Agricultural Land – Oliver Browne, The Brattle Group
- Climate and Economic Triggers of Cropland Change in the US: A Fine-scale Spatial Analysis – Luoye Chen, University of Illinois
- **Can a growing world be fed when the climate is changing? – Simon Dietz, London School of Economics**

Energy Efficiency 2

- Theoretical and Empirical Evaluation of a Competitive Energy Rebate Program – Chi Ta, University of Illinois at Urbana-Champaign
- Does LEED Certification Save Energy? Evidence from Federal Buildings – Xiaochen Sun, Carnegie Mellon University
- Credit and attention in the adoption of profitable energy efficient technologies in Kenya – Susanna Berkouwer, University of Pennsylvania
- **Energy Efficiency, Prices and Management Practices – Mark Curtis, Wake Forest University**