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SBCA 2022 ANNUAL CONFERENCE

MARCH 17-18 AND 21-22, 2022



[March 17](#) | [March 18](#) | [March 21](#) | [March 22](#)

(Session Times Listed in U.S. Eastern Time)

***Program Subject to Change**

In the absence of objections from presenters, session recordings are available until April 15, 2022. Click [View Recording](#) on any session title to access. If you do not see [View Recording](#), the session is either not yet available or the recording was not authorized for release. Presenters were asked to share their slides for attendees to reference. [Shared slides can be found here](#).

Questions? Email info@benefitcostanalysis.org.

Thursday, March 17, 2022

[9:00 am - 10:30 am](#) | [11:00 am - 12:30 pm](#) | [1:00 pm-2:30 pm](#)

[3:00 pm - 4:30 pm](#) | [5:00 - 6:30 pm](#) | [8:00 pm - 9:30 pm](#)

Thursday, March 17, 2022, 9:00-10:30 am

Impacts of Large Changes in Factors of Production: USA, Africa, and Asia [Full Panel of Research Presentation: [Recording>>](#)]

Chair: Jennifer Baxter, Industrial Economics, Inc.

Discussant: Faaiqa Hartley, University of Cape Town

- *Use of CGE Modeling to Estimate Benefits of Investments in Water Security in Indonesia*
 - Jennifer Morris, MIT; Sergey Paltsev, MIT; Brent Boehlert, Industrial Economics, Inc.; Kenneth Strzepek, MIT
- *An Inclusive Wealth Framework in B/C Analysis: Examples from Asia, Africa, and the USA*
 - Kenneth Strzepek, MIT
- *Estimating the Impact of Population Loss Resulting from a Large-Scale Natural Disaster*
 - Jennifer Baxter, Industrial Economics, Inc.; Christine Lee, Industrial Economics, Inc.; Lapin, Economic, and Planning Systems, Inc.

The Value of Road Safety in Europe: New Evidence [Full Panel of Research Presentations] - Recording Not Authorized for Release

Organizer: Henrik Andersson, Toulouse School of Economics

Chair: Susan Chilton, Newcastle University

Discussants: Susan Chilton, Newcastle University; Henrik Andersson, Toulouse School of Economics; Martin Konig, Univ. Gustave Eiffel

- *Economic valuation of preventing fatal and serious road injuries: Results of a willingness-to-pay study in four European countries*
 - Annelies Schoeters, Vias Institute; Maxime Large, Univ. Gustave Eiffel; Martin Konig, Univ. Gustave Eiffel; Laurent Carnis, Université Gustave Eiffel, Campus de Marne-la-Vallée; Daniëls, Vias institute; Dominique Mignot, Université Gustave Eiffel, Campus de Marne-la-Vallée; Raschid Urmeew, Federal Highway Research Institute (BAST); Wim Wijnen, W2Ecor; Frits Bijleveld, SWOV Institute for Road Safety Research; Martijn van der Horst, KiM, Netherlands Institute for Transport Policy Analysis
- *Understanding heterogeneity in values of statistical life: Observable, latent and hidden characteristics*
 - Maxime Large, Univ. Gustave Eiffel; Annelies Schoeters, Vias Institute; Martin Konig, Univ. Gustave Eiffel; Laurent Carnis, Université Gustave Eiffel, Campus de Marne-la-Vallée; Daniëls, Vias institute; Dominique Mignot, Université Gustave Eiffel, Campus de Marne-la-Vallée; Raschid Urmeew, Federal Highway Research Institute (BAST); Wim Wijnen, W2Ecor; Frits Bijleveld, SWOV Institute for Road Safety Research; Martijn van der Horst, KiM, Netherlands Institute for Transport Policy Analysis
- *Does WTP for transport safety vary by mode?*
 - Henrik Andersson, Toulouse School of Economics; Arne Risa Hole, University of Sheffield; Jan-Erik Swärdh, VTI

What is the Role of CBA in Multi-Objective Decision-Making Across Agencies/organizations? [Roundtable Discussion] [View Recording>>](#)

Organizer: Sarah Bishop, Millennium Challenge Corporation

- With demand for public investment greatly outweighing the available funds, CBA serves as a useful analytical tool to assess whether a potential investment's benefits outweigh costs. However, max

net economic benefits is not the only objective that donors and governments aim to achieve. Most agencies/organizations consider multiple criteria to inform their investment decisions. These criteria and the weights that they are assigned differ by organization and each has their justification, perhaps shifting and implicit in some cases, but typically based on their organization's mission and current priorities. The session aims to bring together representatives from 3-4 organizations (TBD: suggest including a mix of entities with domestic and foreign assistance investments that have a greater focus on non-regulatory investments) to layout the criteria and its role in informing investment decisions. Specific questions the roundtable panel would address include: (1) How are these criteria weighted? How do these criteria interact with one another to reach investment decisions? (2) How have the criteria changed over time? Why? (3) Are there exceptions to the rules? How does the organization remain disciplined to follow the criteria, but flexible to allow for adjustments when justified? (4) Which of the criteria are likely qualitative while others are quantitative. How can they be placed on level playing field to inform decision-making? [Keywords: Decision Making Criteria]

Valuing Prevention of Foodborne Diseases [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Sandra Hoffmann, USDA Economic Research Service

Chair: Sandra Hoffmann, USDA Economic Research Service

- *The impact of climate change on vibriosis: projected health and economic impacts*
 - Megan Sheahan, Industrial Economics, Inc.
- *Economists and assessment of the international impacts of domestic food standards*
 - Jason March, Food Standards Australia New Zealand
- *Estimating the Cost of Illness for Food Hypersensitivities in the UK*
 - Sofia Maartensz, Food Standards Agency
- *Preliminary Estimates of the Current Costs of U.S. Foodborne Illness*
 - Sandra Hoffmann, USDA Economic Research Service; Alice White, Colorado School of Public Health; R. Brett McQueen, University of Colorado Anschutz Medical Campus; Wan Ahn, USDA Economic Research Service; Lauren Sandell, Colorado School of Public Health; Elaine Walter, Colorado School of Public Health

Latin America Session A - Student Papers [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Felipe Vásquez-Lavín, Universidad del Desarrollo

Chair: Felipe Vásquez-Lavín, Universidad del Desarrollo

Discussants: Vic Adamowicz, University of Alberta; John Whitehead, Appalachian State University

- *Impact of affectation variables in risks preferences during the covid-19 outbreak*
 - Manuel Barrientos, Durham University
- *Monte Carlo comparison of market segmentation from mixed logit and latent class models: The role of heterogeneity and presence of niche segments*
 - Nelyda Campos, Macquarie University, Australia

Thursday, March 17, 2022, 11:00 am-12:30 pm

Distribution and Disputation: Net Benefits, Equity, and the Place of Benefit-Cost Analysis in Public Decision Making [Plenary] [View Recording>>](#)

Organizer: Glenn Blomquist, University of Kentucky

Chair: Maureen Cropper, Resources for the Future

Discussant: Caroline Cecot, George Mason University

Presenter: Spencer Banzhaf, Georgia State University

- Abstract: As its practitioners know well, benefit-cost analysis walks a fine line between the positive and normative, between the science of economics and the art of political economy. Missteps threaten to undermine its credibility as a value-free science, while overcaution risks irrelevance to the pressing questions of the day. As BCA adapts to give more weight to distributional concerns, while operating in a more highly charged political environment than ever before, these tensions will only grow. For this perspective, I re-examine three prominent episodes in the history of economics where these issues were vigorously debated: (i) The founding of the NBER by Wesley Clair Mitchell, who insisted that the organization eschew all policy recommendations; (ii) the introduction of the modern definition of economics as the study of tradeoffs by Lionel Robbins, who insisted welfare effects could never be aggregated; and (iii) the origins of benefit-cost analysis as a measure of income, which to first-generation practitioners seemed to foreclose the possibility of measuring "intangible" benefits like recreation opportunities, mortality risks, and equity. These episodes, together with critiques of economics from philosophers of science, suggest we are best served by being as transparent as possible about the ways values influence BCA reasoning, without arrogating political decisions into it.

Thursday, March 17, 2022, 1:00 pm-2:30 pm

School Meals, Poverty Alleviation, Performing Arts, and Program Impacts [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Judy Temple, University of Minnesota

- *Understanding and Improving Policymakers' Sensitivity to Program Impact*
 - Mattie Toma, Harvard University; Elizabeth Bell, Florida State University
- *How Much are Multisectoral Programs Worth? A New Method with an Application to School Meals*
 - Elisabetta Aurino, University of Barcelona; Harold Alderman, International Food Policy Research Institute; Aulo Gelli, International Food Policy Research Institute; Brad W. Copenhagen Consensus Center; Priscilla Twumasi Baffour, University of Ghana; Fes Turkson, University of Ghana
- [*The use of benefit transfer for performing arts: Evidence for validity and reliability*](#)
 - Bartosz Jusypenko, University of Warsaw
- *Private funders, social impact, and the use of benefit-cost analysis for poverty alleviation*
 - Judy Temple, University of Minnesota; Jose Diaz, Constellation Fund

Preliminary Results from a Multi-country Survey of Households' Knowledge, Attitudes, and Behaviors Regarding COVID-19 epidemic and COVID-19 vaccines [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Richard Carson, University of California, San Diego

Chair: Richard Carson, University of California, San Diego

- Vic Adamowicz, University of Alberta
- Franklin Amuakwa-Mensah, University of Gothenburg
- Michael Hanemann, Arizona State University
- Gunnar Köhlin, University of Gothenburg
- Dale Whittington, University of North Carolina at Chapel Hill

Distribution and Equity [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Maddalena Ferranna, Harvard University

- *Evaluative reasoning: window to a wider view of benefits, costs, and equity*
 - Julian King, Julian King & Associates; Alex Hurrell, Oxford Policy Management
- *Distributional policy impacts, willingness to pay versus accept, and the Kaldor-Hicks tests in benefit-cost analysis*

analysis

- Zachary Brown, North Carolina State University
- *Benefit-Cost Analysis and Consideration of Distributional Effects and Social Equity*
 - Nanette Nelson, University of Montana; Andrea Bohmholdt, MITRE
- *Use of Distribution Weights in Benefit-Cost Analysis Revisited*
 - Robert Brent, Fordham University

What VSL Should we Use? Options for Developing National and Global Defaults [Innovative Session] [View Recording>>](#)

Organizer: Lisa Robinson, Harvard University

Chair: Lisa Robinson, Harvard University

- The value of small changes in mortality risks, conventionally referred to as the value per statistical life, is an important parameter in benefit-cost analysis. It frequently accounts for the majority of quantified benefits. As a result, government agencies and other organizations often recommend default values for application in their analyses. In addition to these country-level defaults, many researchers are interested in estimating global policy impacts and hence require an approach for estimating VSL internationally. In some countries, such as the United States, the VSL literature is extensive. In other countries, this literature is limited or nonexistent. This means that, in some contexts, the primary challenge is to select, evaluate, and combine the available estimates. In other contexts, the primary challenge is how to best extrapolate from the available literature, including studies conducted in other countries. This panel brings together leading VSL experts to provide advice on how to best address these questions. They will address (1) criteria for evaluating the quality and suitability of individual studies, including best practice recommendations for stated and revealed preference studies; (2) approaches for synthesizing estimates across studies, including qualitative systematic review, meta-analysis, and elicitation; and (3) extrapolating values across countries, including options for adjusting for income and other differences. After a brief introduction and overview of current practices, each speaker will describe one or more of these methods or approaches. They will describe the approach, discuss its advantages and limitations, identify key references, and highlight priorities for future work. The presentation will be followed by a discussion with the audience.
 - Susan Chilton, Newcastle University
 - Maureen Cropper, Resources for the Future
 - James Hammitt, Harvard University
 - Henry Roman, Industrial Economics, Inc.
 - W. Kip Viscusi, Vanderbilt University

Meet the Funders [Roundtable Discussion] [View Recording>>](#)

Organizer: Craig Thornton, Society for Benefit-Cost Analysis

Chair: Craig Thornton, Society for Benefit-Cost Analysis

- Learn more about several major foundations that fund public policy research and related work. - What are the issues on which they are most likely to focus? - What have they recently funded that will be of interest to benefit-cost analysts? - What are the procedures for getting a proposal considered? How are proposals evaluated? This panel of program officers from leading foundations will answer conference participants' questions, sharing tips and insights on these topics and more. KEYWORDS: funding; foundations
 - Mark Steinmeyer, Smith Richardson Foundation
 - Kerry Anne McGeary, Robert Wood Johnson Foundation
 - Stephen Glauser, Russell Sage Foundation
 - Kim Cassel, Arnold Ventures
 - Valerie Chang, MacArthur Foundation

Thursday, March 17, 2022, 3:00 pm-4:30 pm

Developing New Tools and Data for EJ Analysis [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Ann Wolverton, US Environmental Protection Agency

Chair: Ann Wolverton, US Environmental Protection Agency

- *Advances in Data Science: Near-Term Applications for Equity and Economics*
 - Jared Creason, US Environmental Protection Agency; Jim McFarland, US Environmental Protection Agency; Jefferson Cole, US Environmental Protection Agency; Morgan Browning, US Environmental Protection Agency; Eric Smith, US Environmental Protection Agency; Dashiell Yeatts-Lonske, University of Maryland
- *Environmental Justice and Drinking Water Quality*
 - Wes Austin, US Environmental Protection Agency; Emma Hopkins, US Environmental Protection Agency; Will Wheeler, US Environmental Protection Agency; Andrew Schulman, US Environmental Protection Agency; Nicholas Spalt, US Environmental Protection Agency
- *Absolute and relative indicators of risk to evaluate potential EJ concerns*
 - Ann Wolverton, US Environmental Protection Agency; Andrew Schreiber, US Environmental Protection Agency; Wes Austin, US Environmental Protection Agency; Alex Marten, US Environmental Protection Agency
- *Environmental Justice Implications of Measuring Fine Particulate Concentrations*
 - Andrew Schreiber, US Environmental Protection Agency; Will Wheeler, US Environmental Protection Agency; Tammy Tan, US Environmental Protection Agency

Conceptual Issues in Benefit-Cost Analysis [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Nicolas Treich, TSE

- *The Historical Evolution of Economic Evaluation*
 - Don Pickrell, Volpe Center, U.S. Dept. of Transportation
- *Cost-Benefit Analysis: Then and Now*
 - Peter Abelson, Applied Economics
- *Developing satellite accounts for incorporating inequality into natural capital accounting*
 - Marije Schaafsma, Vrije Universiteit Amsterdam; Silvia Ferrini, University of East Anglia; Gaetano Grilli, University of East Anglia; Kerry Turner, University of East Anglia
- *The Dasgupta Review and the problem of anthropocentrism*
 - Nicolas Treich, TSE

Equity and Benefit-Cost Analysis [Full Panel of Research Presentations] [View Recording>>](#)

Chair: David Greenberg, University of Maryland, Baltimore County

- *To Whomsoever They May Accrue: The Importance of Inclusion, Equity, and Justice in Public Benefit Analysis*
 - Julie Suhr Pierce, USDA Natural Resources Conservation Service
- *Towards principles and practices for distributional weighting*
 - Daniel Acland, University of California at Berkeley; David Greenberg, University of Maryland, Baltimore County
- *Distributional Consequences and Regulatory Analysis*
 - Richard Revesz, NYU Law School; Samantha Yi, NYU Law School
- *Efficiency and Equity in Regulation*
 - Caroline Cecot, George Mason University

Covid-19 and Public Health [Full Panel of Research Presentations] - Recording Not Authorized for Release

Organizer: Ryan Sullivan, Naval Postgraduate School

Chair: Linda Thunstrom, University of Wyoming

- How Do People Value COVID-19 Risks? Evidence From Contingent Valuation Experiments.
 - Ryan Sullivan, Naval Postgraduate School; Patrick Carlin, Indiana University; Kosali Sridharan, Indiana University; Coady Wing, Indiana University
- *Unexpected effects of national social insurance on support for county-level public health policies*
 - Joe Mitchell-Nelson, University of Oregon; Trudy Ann Cameron, University of Oregon
- *Priority Queues: Determining the Public's Preferences for Initial Allocation of the COVID-19 Vaccine*
 - Richard Carson, University of California, San Diego; Michael Hanemann, University of California, Berkeley; Jordan Louviere, University of South Australia; Dale Whittington, University of North Carolina at Chapel Hill
- *Willingness to Bear the Costs of Preventative Public Health Measures*
 - Shan Zhang, University of Oregon; Trudy Ann Cameron, University of Oregon

Climate Change Topics: Preferences and Decision Making [Full Panel of Research Presentations] [View Record](#)

Chair: Joe Devlin, Environment Canada

- *Public preferences for a state-level cap-and-trade program*
 - Trudy Ann Cameron, University of Oregon; Garrett Stanford, University of Oregon
- *Estimating inequality aversion in the climate change context at national and global scale*
 - Milan Ščasný, Charles University; Iva Zverinova, Charles University; Vojtech Maca, Charles University; Matěj Opatrný, Charles University
- *Expected Cost Savings of Early Adoption of Conservation Strategies in the US: A Decision-Making Approach*
 - Mazbahul Ahamad, University of Nebraska-Lincoln
- *Different Methods, Different Values: Implications of Alternative Valuation Methods for Environmental Policy Analysis*
 - Bonnie Keeler, Humphrey School of Public Affairs, University of Minnesota

Student Papers - Latin America Session B [Full Panel of Research Presentations] [View Recording](#)>>

Organizer: Felipe Vásquez-Lavín, Universidad del Desarrollo

Chair: Marcela Jaime, Universidad de Concepcion

Discussants: José María Gil Roig, Universidad Politécnica de Cataluña; John Stranlund, University of Massachusetts Amherst

- *Does willingness to pay for biodiversity conservation change in a COVID19 context?*
 - Raymundo Jesús Mogollon Mogollon Ñañez, Universidad Agraria la Molina, Perú
- *Private Benefits from Air Pollution Reduction Policies: Evidence from Across the Chilean Income Distribution*
 - Adolfo Uribe Poblete, University of Talca, Chile

Thursday, March 17, 2022, 5:00 pm-6:30 pm

Recycling [Full Panel of Research Presentations] - Recording Not Authorized for Release

Organizer: Trudy Ann Cameron, University of Oregon

Chair: Trudy Ann Cameron, University of Oregon

- *If you build it, they will compost: The effects of municipal composting services on household waste disposal and landfill emissions*
 - Lihini De Silva, University of Sydney; Rebecca Taylor, University of Sydney
- *Rethinking Recycling? The Effects of the Green Sword Policy on Local Environmental Outcomes in Taiwan*
 - Shan Zhang, University of Oregon
- *Reduce, Reuse, Redeem: Deposit-Refund Recycling Programs in the Presence of Alternatives*
 - Peter Berck, University of California, Berkeley; Molly Sears, University of California, Berkeley

- Berkeley; Rebecca Taylor, University of Sydney; Carly Trachtman, University of Calif Berkeley; Sofia Villas-Boas, University of California, Berkeley
- *Quasi-Experimental Evidence on the Impact of State Deposit Laws and Recycling Laws: Household Recycling Following Interstate Moves*
 - W. Kip Viscusi, Vanderbilt University; Joel Huber, Duke University; Jason Bell, Duke University

Valuation Using Revealed, Stated, and Wellbeing Approaches [Full Panel of Research Presentations] - Limited Recording Coming Soon!

Chair: John Whitehead, Appalachian State University

- *Estimating the value of Olympic success*
 - Conal Smith, Kotata Insights, New Zealand
- *Integrating Recreational Demand and Hedonic Price Models: Evidence from Iowa Lakes Surveys and Zillow Housing Transactions*
 - Xibo Wan, Massachusetts Institute of Technology; Wendong Zhang, Iowa State University; Yongjie Ji, Iowa State University; Pengfei Liu, University of Rhode Island
- *Valuing Wellbeing Outcomes: Cost-wellbeing analysis of housing outcomes in the New Zealand General Social Survey*
 - Caitlin Davies, Kotata Insights, NZ; Conal Smith, Kotata Insights, New Zealand
- *Revealed Preference Estimation of Highway User Costs from Pavement Roughness*
 - David Luskin, Trenchant Economics

Climate Change in Canada, Chile, Marshall Islands, and United Kingdom [Full Panel of Research Presentations Recording>>

Chair: Mark Dickie, University of Central Florida

Discussant: Mark Dickie, University of Central Florida

- *A risk-risk trade-off assessment of climate-induced mortality risk changes*
 - Irene Mussio, Newcastle University; Susan Chilton, Newcastle University; Jytte Nielsen, Newcastle University; Darren Duxbury, Newcastle University
- *Climate change adaptation to rising flood risk in one Québec's municipalities: How ecosystem services and citizen assembly can enhance decision-making between strategies of adaptation*
 - Ursule Boyer-Villemare, Ouranos; Annabelle Lamy, Ouranos; Caroline Simard, Université Québec en Outaouais
- *Megadrought in Chile: The economic impact and the lessons learned in time*
 - Francisco Fernández, Universidad Mayor; Felipe Vásquez-Lavín, Universidad del Desarrollo; Roberto D. Ponce, Universidad del Desarrollo

Thursday, March 17, 2022, 8:00 pm-9:30 pm

China's Belt and Road Initiative: New Research Agenda in Cost-Benefit Analysis [Plenary] [View Recording>>](#)

Organizer: Euston Quah, Nanyang Technological University

Chair: Vinod Thomas, National University of Singapore

Presenter: Euston Quah, Nanyang Technological University

Friday, March 18, 2022

[9:00 am - 10:30 am](#) | [11:00 am - 12:30 pm](#) | [1:00 pm-2:30 pm](#)

[3:00 pm - 4:30 pm](#) | [5:00 - 6:30 pm](#) | [8:00 pm - 9:30 pm](#)

Friday, March 18, 2022, 9:00 am-10:30 am

The Welfare Impacts of Government Policies: New Evidence from the Policy Impacts Library of MVPFs [Full Panel Research Presentations] [View Recording>>](#)

Organizer: Nathaniel Hendren, Harvard University

Chair: Nathaniel Hendren, Harvard University

- *Do EITC expansions pay for themselves? Effects on tax revenue and government transfers*
 - Jacob Bastian, Rutgers University
- *Does Welfare Prevent Crime? The Criminal Justice Outcomes of Youth Removed from SSI*
 - Manasi Deshpande, University of Chicago
- *The Impact of Benefit Generosity on Workers' Compensation Claims: Evidence and Implications**
 - Marika Cabral, University of Texas at Austin
- *The MVPF and the Policy Impacts Library*
 - Nathaniel Hendren, Harvard University; Ben Sprung-Keyser, Harvard University

Current and Future Transportation Policy Choices [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Peo Nordlof, Swedish Transport Administration

- *Mobility Impacts of TNCs: A Benefit-Cost Model for TNC Policies*
 - Manuel Castillo, Steer; Lucile Kellis, Steer; Iain Conway, Steer
- *An insight into CBA applications for urban public transport electromobility in Poland*
 - Monika Foltyn-Zarychta, University of Economics in Katowice, Poland
- *Finding transport projects with high value for money – what are the socio-geographic determinants?*
 - Johanna Jussila Hammes, Swedish National Road, and Transport Research Institute, VTI; Gro Holst Volden, Norwegian University of Science and Technology, NTNU; Morten Welde, Norwegian University of Science and Technology, NTNU; Maria Börjesson, Swedish National Road and Transport Research Institute, VTI; James Odeck, Norwegian University of Science and Technology, NTNU

What will the future bring? Estimating future benefits and costs [Roundtable Discussion] [View Recording>>](#)

Organizer: Craig Thornton, Society for Benefit-Cost Analysis

Chair: Craig Thornton, Society for Benefit-Cost Analysis

- Evaluations of education and training programs face the challenge that most of the costs occur in short term while it may take years to see all of the benefits. This distribution of costs and benefits biases any analyses based only on direct observations. Correcting that bias requires estimating future benefits (and costs, if relevant). This panel will discuss the magnitude of this problem (that is, what proportion of total benefits is likely to occur in the future and require estimation), some recent approaches to address the issue, and ways to help decision-makers understand the uncertainty in estimating future benefits.
 - David Long, Princeton Policy Associates
 - Lynn Karoly, RAND
 - Sheena McConnell, Mathematica
 - Anne Roder, Economic Mobility Corporation

Benefit-cost analysis for health priority setting in low- and middle-income countries [Roundtable Discussion] [Recording>>](#)

Organizer: David Watkins, University of Washington

Chair: David Watkins, University of Washington

- Benefit-cost analysis is emerging as an appealing alternative to conventional cost-effectiveness analysis in health priority setting in low- and middle-income countries. BCA in this instance is being adapted to help identify and prioritize different strategies for improving health in highly budget-constrained

environments. BCA has several advantages over cost-effectiveness analysis, which provides an incomplete picture of the tradeoffs among interventions that have significant non-health benefits: incur substantial costs outside the health sector, such as industrial air pollution controls or water, sanitation, and hygiene-related infrastructure. Collaborators on the Disease Control Priorities Project have been invited to provide their reflections on theoretical, methodological, and practical aspects using BCA methods in resource- and data-poor settings. The roundtable discussion will begin with a summary of how BCA is currently being used in these settings, drawing on the literature syntheses featured in the Disease Control Priorities, 3rd Edition series. Discussants will cover recent methodological advances, such as measurement of the distributional consequences of health policies and their financial protection properties, the latter of which is a key objective of universal health coverage systems. Particular attention will be paid to the ethical foundations, tensions, and unresolved issues that underpin different priority-setting approaches – including BCA, cost-utility analysis, and prioritarian social welfare functions. Finally, the panel will reflect on the recently published Reference Case for Benefit-Cost Analysis in Global Health and Development and the opportunities to expand use of BCA in global health in general and in the Disease Control Priorities Project in particular.

- David Watkins, University of Washington
- Ole Norheim, University of Bergen
- Stephane Verguet, Harvard University
- Angela Chang, Danish Institute for Advanced Study
- Dean Jamison, University of California San Francisco

A Happy Choice: Using Accounts of Subjective Wellbeing in Cost-Benefit and Cost-Effectiveness Analyses [Roundtable Discussion] [View Recording>>](#)

- Around the world, governments are starting to directly measure the subjective wellbeing of their citizens and to use it for policy-making. What would happen if a country were to use wellbeing as the primary policy metric? And how could this be implemented in daily practice, for example in cost-benefit and cost-effectiveness analyses of government analysts, or in political agenda-setting at the top level? We give answers to these questions, by showing how direct measures of subjective wellbeing can be used for policy appraisal and evaluation, either complementary in the short-run (in form of wellbeing-augmented or wellbeing cost-benefit analyses) or even entirely in the long run (in form of wellbeing cost-effectiveness analyses). We provide a brief history of the idea that governments should care about the happiness of their citizens, and make suggestions for direct measurement, including an overview of wellbeing valuation methodologies. We then show how to use wellbeing measures to conduct wellbeing cost-benefit and cost-effectiveness analyses based on real policy examples, with a focus on how policy appraisals and evaluations would change if they were based on subjective wellbeing as a primary policy metric. In doing so, our presentation serves the growing interest of governments and non-governmental and international organizations in how to put subjective wellbeing metrics into policy practice.

- Christian Krekel, London School of Economics
- Paul Frijters, London School of Economics

Friday, March 18, 2022, 11:00 am-12:30 pm

Valuation of Morbidity and Mortality Risks [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Nicolai Kuminoff, Arizona State University

- *Searching a Data Ocean for Pearls: A Systematic Review of the Morbidity Valuation Literature*
 - Anna Belova, ICF; Jessica Balukas, ICF; George Gardner, ICF
- *A proposed conceptual framework for estimating VSLY and VSL in the UK*
 - Jytte Seested Nielsen, Newcastle University; Susan Chilton, Newcastle University; Huw Metcalf, Newcastle University; Rachel Baker, Glasgow Caledonian University; Cam Donaldson, Glasgow Caledonian University; Helen Mason, Glasgow Caledonian University

University; Neil McHugh, Glasgow Caledonian University; Rebecca McDonald, Univ of Birmingham

- *Consistent valuation of mortality risk using VSL, VSLY, and VQALY*
 - James Hammitt, Harvard University

Learning, Schooling, Programs, Earnings, and IQ [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Elaine Waxman, Urban Institute

- *Project QUEST 11-Year Evaluation Findings*
 - Anne Roder, Economic Mobility Corporation; Mark Elliott, Economic Mobility Corporation
- *Pay for Success outcomes for early childhood education in Chicago: Results from the Social Impact investments in the Child-Parent Center program*
 - Judy Temple, University of Minnesota; Arthur Reynolds, University of Minnesota
- *Monetizing Improvements in Learning using Equivalent Years of Schooling*
 - Ardyn Nordstrom, Limestone Analytics; Bahman Kashi, Limestone Analytics; Jay MacKinnon, Limestone Analytics; Christopher Cotton, Limestone Analytics; Lindsay Wallace, Limestone Analytics
- *Estimating Lifetime Earnings and the Effect of IQ on Earnings*
 - Matt LaPenta, ABT Associates; Theo Gimenez, ABT Associates

Benefit-Cost Analysis in Agriculture [Full Panel of Research Presentations] - Limited Recording Coming Soon!

Chair: Rob Moore, Scioto Analysis

- *Benefit-Cost Analysis on FSIS's Non-O157 STEC on Raw Beef Products*
 - Flora Tsui, USDA/FSIS
- *Distribution of Benefits Among Cassava Processing Actors Under the Ifad Value Chain Development Programme in Niger State, Nigeria*
 - Ayodeji Coker, Federal University of Technology Minna
- *Identifying Sepsis from Foodborne Hospitalization: Incidence and Hospitalization Cost by Pathogen*
 - Jae-Wan Ahn, USDA Economic Research Service; Sandra Hoffmann, USDA Economic Research Service; Elaine Walter, Colorado School of Public Health; Alice White, Colorado School of Public Health; R. Brett McQueen, University of Colorado Anschutz Medical Campus

Water Resources [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Lynne Lewis, Bates College

- *BCA of nature-based solutions to reduce hydro-meteorological risks*
 - Heini Ahtiainen, Natural Resources Institute Finland (Luke); Jaakko Juvonen, Finnish Meteorological Institute; Eeva Kuntzi-Reunanen, Finnish Meteorological Institute; Lankia, Natural Resources Institute Finland (Luke); Eija Pouta, Natural Resources Institute Finland (Luke)
- *Benefit-Cost Analysis of restoration of hydrological processes in a 140-hectare area surrounding Villestrup Creek*
 - Jesper Schou, UCPH
- *National Water Quality Values in New Zealand: Policy-Relevant Stated Preference Estimates*
 - Patrick Walsh, National Center for Environmental Economics, USEPA; Dennis Guigne, Appalachian State University; Pamela Booth, Landcare Research
- *Benefit identification and monetization of water resources management interventions of the World Bank*
 - Christian Borja Vega, The World Bank

The Year in Regulation: Benefits, Costs, and Other Implications of Federal Regulations in 2021 [Roundtable Discussion] [View Recording>>](#)

Organizer: Clark Nardinelli, FDA

Chair: Clark Nardinelli, FDA

- In this roundtable, regulatory scholars and current and former OMB-OIRA officials will discuss the year in regulation. With the end of the deregulatory push and other policies of the last administration, regulatory times have changed quickly. With OIRA's 2021 Report to Congress on the Benefits and Costs of Federal Regulations as their starting place, the panelists will give their takes on the year's executive branch regulations. The discussion will start with the benefits and costs of the Biden administration's early regulations but will range beyond the regulations themselves to the types of regulations and broader implications. The first year of a new administration's regulations is typically quiet, as the regime assesses the previous regime's regulations and forms its own policy. The continuing COVID pandemic alone has made this first year atypical. Moreover, the differences in philosophy between incoming and outgoing regimes has led the new administration to call for wide recommendations for reform. The panel will therefore also consider the Presidential memorandum and three executive orders that collectively rescind the previous administration's regulatory policies and set policy for coming years. The panelists will consider whether the documents will establish a new regulatory program, with broad changes that will alter the nature of federal regulations
 - Bridget Dooling, George Washington University
 - Caroline Cecot, George Mason University
 - Stuart Shapiro, Rutgers University
 - Jonathan Wiener, Duke University
 - Dominic Mancini, U.S. Executive Office of the President

Friday, March 18, 2022, 1:00 pm-2:30 pm

Modernizing Regulatory Analysis: A conversation with former OIRA Administrators [Plenary] [View Recording](#)

Organizer: Susan Dudley, George Washington University

Chair: Richard Revesz, NYU Law School

- On his first day in office, President Biden issued a Memorandum on Regulatory Review that both reaffirmed longstanding principles for regulatory analysis and review, but also directed OIRA and agencies to “provide concrete suggestions on how the regulatory review process can promote public health and safety, economic growth, social welfare, racial justice, environmental stewardship, human dignity, equity, and the interests of future generations.” Specifically, these recommendations will include “revisions to Circular A-4, Regulatory Analysis” (2003) and “procedures that take into account the distributional consequences of regulations.” This conversational panel of former administrators from the U.S. Office of Information and Regulatory Affairs will share their insights on what to expect from the Biden Administration regarding benefit-cost analysis of regulations, including understanding distributional consequences and equity in regulatory analysis. Panelists served in the Clinton, Bush, Obama, and Trump administrations.
 - Sally Katzen, New York University
 - Susan Dudley, George Washington University
 - Boris Bershteyn, Skadden and Associates
 - Paul Ray, Patomak Global Partners

Friday, March 18, 2022, 3:00 pm-4:30 pm

SBCA Awards and Business Meeting [Plenary] [View Recording](#)>>

Chair: Glenn Blomquist, University of Kentucky

- This session will announce the Society's major awards, including the awards for best 2021 article in the Journal of Benefit-Cost Analysis, the Richard Zerby Award for service to the Society, and the new Fellow designations. The Article of the Year winners will give a brief review of the substantive contributions their articles make. The session will also give us a chance to remember Society members who have passed away during the past year. The session will close with a business meeting that will review the Society's activities during the past 12 months, describe the initiatives planned for the next 12 months, layout the Society's improving financial situation, and discuss a proposed change to the Society's bylaws. There will be time for questions and suggestions from the audience. We hope you will take advantage of this opportunity to learn about recent developments in the field and to help shape the future of the Society.

the future of our Society.

Friday, March 18, 2022, 5:00 pm-6:30 pm

What Makes a Good "On Balance" Blog and Why You Should Write One [Innovative Session] [View Recording>](#)

Organizer: Rob Moore, Scioto Analysis

Chair: Clark Nardinelli, FDA

- The three people who have helmed SBCA's official blog, On Balance, will be on hand here to talk about writing blogs and how involvement with the blog can help you expand the reach of your research
 - Deven Carlson, University of Oklahoma
 - Fran Sussman, Independent
 - Rob Moore, Scioto Analysis

Chat with SBCA Officers and Board Members - Ideas for 2023 [Innovative Session] [View Recording>>](#)

Organizer: Glenn Blomquist, University of Kentucky

Chair: Glenn Blomquist, University of Kentucky

Publishing in the Journal of Benefit-Cost Analysis [Roundtable Discussion] [View Recording>>](#)

Organizer: Thomas Kniesner, Claremont Graduate University

Chair: Thomas Kniesner, Claremont Graduate University

- Opportunity for the JBCA Editors to report on the journal and offer their perspectives on publishing in the broad area of benefit-cost analysis.
 - Thomas Kniesner, Claremont Graduate University

Friday, March 18, 2022, 8:00 pm-9:30 pm

Evolution of Discounting Practices in Cost-benefit Analysis for International Development Investment [Roundtable Discussion] [View Recording>>](#)

Organizer: Arif Mamun, Millennium Challenge Corporation

Chair: Ben Bryant, Millennium Challenge Corporation

- Maria Rowena Cham, Asian Development Bank
- Bahman Kashi, Limestone Analytics representing USAID
- Aart Kraay, World Bank
- Arif Mamun, Millennium Challenge Corporation

Monday, March 21, 2022

[9:00 am - 10:30 am](#) | [11:00 am - 12:30 pm](#) | [1:00 pm-2:30 pm](#)

[3:00 pm - 4:30 pm](#) | [5:00 - 6:30 pm](#) | [8:00 pm - 9:30 pm](#)

Monday, March 21, 2022, 9:00 am-10:30 am

Student Papers - Ethiopia and Tanzania [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Henrik Andersson, Toulouse School of Economics

Chair: Henrik Andersson, Toulouse School of Economics

Discussant: Henrik Andersson, Toulouse School of Economics

- *Fuel-stacking behavior among households in Dar es Salaam, Tanzania.....*Matilda Stanslaus Ntiyak University of Dar es Salaam, Tanzania
- *Residential fuel consumption and technology choices: An application of FGNSL and Multinomial logit model.....*Nuredin Juhar, Addis Ababa University
- *Energy Efficiency of Manufacturing Firms in Ethiopia: Endogeneity-Corrected Stochastic Frontier*

*Analysis.....*Hailegebriel Yirdaw, Addis Ababa University; Måns Söderbom, University of Gothenburg, Sweden

Evaluation- Based CBA in Practice: Case Studies of Agriculture and Roads [Innovative Session] [View Recording](#)

Organizer: Sarah Lane, Millennium Challenge Corporation

Chair: Sarah Lane, Millennium Challenge Corporation

- This session will outline how evaluation findings have provided a broader understanding of the return on MCC's investments in a CBA framework. MCC has been a leader in using analytical tools for project development, project evaluation, and learning. This has resulted in a strong feedback loop linking ex-ante cost-benefit analysis to evaluations, eventually resulting in an evaluation-based CBA conducted years after a project ends to use actual results to measure a more accurate net present value and economic rate of return for a project. The panel will present the last iteration of ex-ante CBA models developed at MCC, just as programs are completed (Closeout CBA models), and how using evaluation findings are improving our CBA models in two sectors: Roads and Agriculture. Presenters will discuss findings from project evaluations, how they are incorporated into CBA models for the same project, and how this leads to an important learning feedback loop for future project design.
 - Sarah Lane, Millennium Challenge Corporation
 - Cindy Sobieski, Millennium Challenge Corporation
 - Sarah Bishop, Millennium Challenge Corporation

Norms and Standards in CBA: National and EU Guidelines [Roundtable Discussion] [View Recording>>](#)

Organizer: Chiara Pancotti, Centre for Industrial Studies

Chair: Chiara Pancotti, Centre for Industrial Studies

Discussant: Massimo Florio, University of Milan;

- Despite a common framework of well-accepted principles, the practice of cost-benefit analysis has several sectoral and national traditions, reflected in specific approaches and standards. In an effort to harmonize and standardize, sectoral and national guidelines are developed to set a common ground in project appraisal for large capital investments competing for scarce public money. International experience shows that CBA guidelines should strike a certain balance between standardization and flexibility, by one side ensuring quality in project appraisals and by the other supporting a smooth decision-making process. This panel presents different national and EU guidelines for CBA as well as the legislative and institutional framework in which they are embedded. Lessons on how to develop appraisal capacities and ensure that CBA is enforced in the decision-making process are also discussed. Keywords: project appraisal, guidelines, harmonization
 - Witold Willak, European Commission
 - José Doramas Jorge-Calderon, European Investment Bank
 - Linas Jasiukevičius, Central Project Management Agency
 - Jincheng Ni, France Stratégie

New Planning and Policy Challenges Due to Climate Change to Utility Companies [Roundtable Discussion] [View Recording>>](#)

Organizers: Felipe Vásquez-Lavín, Universidad del Desarrollo; Roger Madrigal, CATIE, Costa Rica; David Fuente, University of South Carolina;

Chair: Roger Madrigal, CATIE, Costa Rica

- In this roundtable, we set a dialog with policymakers, utility companies, and academic researchers around the new challenges that climate change has brought to them. This round table is motivated by several interactions with policymakers seeking orientation from researchers around the design of tariff structures to cope with climate change impacts, the multidimensional evaluation of those tariffs, and the economic valuation of climate change impacts. We will have a policy-oriented discussion with three presentations from nonacademics, followed by a talk from two academics orientated to address

these issues from a practical perspective. We have three participants: Max Carbajal, Director of V Sanitation from the Ministry of Housing, Construction, and Sanitation in Perú. Luis Gámez from H 's Public Services company, Costa Rica and the Eng. Nahason Muguna, Managing Director, Nairobi Water and Sewerage Corporation, Kenya. We will also have two discussants: Guillermo Donoso (Pontificia Universidad Católica de Chile) and Dale Whittington (University of North Carolina at Cl Hill, USA)

- Guillermo Donoso, Pontificia Universidad Católica de Chile
- Dale Whittington, University of North Carolina at Chapel Hill
- NAHASON MUGUNA, Managing Director, Nairobi Water and Sewerage Corporation,
- Luis Gámez, Empresas Servicios Públicos de Heredia
- Max Carbajal, Ministry

Roundtable on the New UK Government Guidance on the Use of Wellbeing Within Appraisal [Roundtable Discussion] [View Recording>>](#)

Organizer: Kirsten Jensen, The New Zealand Treasury

Chair: Nancy Hay, What Works Centre for Wellbeing, UK

- Over the past decade, the UK Government has placed an increasing emphasis on the measurement use of wellbeing metrics for public policy. The UK Office for National Statistics has been measuring subjective wellbeing since 2011, using a combination of eudemonic, affective, and evaluative measures. In parallel the wellbeing economics evidence base has continued to grow, furnishing public officials with the tools to embed wellbeing in policy appraisal. This roundtable will discuss the development, context, and implications of the recently released UK Government guidance on the use of wellbeing evidence within the appraisal. This sits beneath the UK Treasury Green Book and outlines how wellbeing measures can be used in policy design, setting strategic objectives, generating options, long-list appraisal, and detailed cost-benefit analysis of shortlisted options. The session will begin with a roundtable of short presentations: • An overview of the new UK wellbeing appraisal guidance, covering its purpose, content, and practical tools used to include wellbeing effects in cost-benefit analysis (including a discussion of CBA versus CEA, and monetization using WELLBYs). [Nancy Hey, Allan Little, and Iven Stead] • The application of welfare weights to the lifetime earnings benefits of increased educational attainment, which forms part of new appraisal guidance underpinning one-third of the UK Department for Education's business cases. [Allan Little] • Wellbeing in the context of culture and heritage and the recently published Culture and Heritage Capital Framework. This will explore the institutional and practical challenges associated with monetizing the wellbeing impacts of heritage. [Harman Sagger, Adala Leeson] • The potential for using subjective wellbeing valuations within transport appraisal to capture impacts such as commuting travel time savings, environmental externalities, and social impacts. [Iven Stead] A roundtable discussion will then focus on the opportunities, benefits, and challenges of implementing wellbeing-based appraisal, across a wide range of policy areas. Contributions will be invited from conference participants involved in the application of wellbeing-based appraisal to public policy.
 - Iven Stead, Department for Transport, United Kingdom
 - Allan Little, Department of Education, UK
 - Adala Leeson, Historic England, UK
 - Harman Sagger, Department for Digital, Culture, Media and Sport UK
 - Sara MacLennan, Department for Environment, Food and Rural Affairs, UK

Monday, March 21, 2022, 11:00 am-12:30 am

The Causes and Consequences of Pollution Exposure Gaps [Full Panel of Research Presentations] [View Recording](#)

Organizer: Lala Ma, University of Kentucky

Chair: Lala Ma, University of Kentucky

- *The Distributional Consequences of Incomplete Regulation*
 - Danae Hernandez-Cortes, Arizona State University
- *Air Pollution and Economic Opportunity in the United States*
 - Jonathan Colmer, University of Virginia; John Voorheis, US Census Bureau; Brennan Williams, University of Virginia
- *Is There an Illness-Poverty-Amenity Trap? Evidence from Administrative Data on Seven Million Seniors*
 - Jonathan Ketcham, Arizona State University; Nicolai Kuminoff, Arizona State University; Sophie Mathes, EPEGE Fundação Getulio Vargas
- *Flood Risk, Property Buyouts, and Environmental Justice*
 - Kay Jowers, Duke University; Lala Ma, University of Kentucky; Christopher Timmins, University of Kentucky

Equity and Equality in Public Projects [Full Panel of Research Presentations] - Limited Recording Coming Soon

Chair: Don Pickrell, Volpe Center, U.S. Department of Transportation

- *Economics of Equity in Infrastructure Investments*
 - Chris Behr, HDR
- *Investigating distributional weighting in UK transport appraisal*
 - Iven Stead, Department for Transport, United Kingdom; Christopher Cheyney, UK Department for Transport
- *Do planners' preferences for distribution in the context of a national transport plan differ from those of the public?*
 - Anders Bondemark, Swedish national road, and transport research institute; Henrik Andersson, Toulouse School of Economics; Karin Brundell-Freij, Lund University
- *The Inequality Aversion in Europe: The Absolute Equal-Sacrifice Approach*
 - Milan Ščasný, Charles University; Matěj Opatrný, Charles University

Discounting [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Massimo Florio, University of Milan

- *Equity, Pareto Optimality, and Long-Term Discounting of Legacy Goods*
 - Kenneth Watson, Australian National University
- *The welfare-maximizing discount rate in a small open economy*
 - Disa Asplund, The Swedish National Road and Transport Research Institute (VTI)
- *Behavioral Economic Insights into the Social Discount Rate*
 - Daniel Acland, University of California at Berkeley
- *The Limitations of the Ramsey Discounting Rule for Climate Policymaking*
 - Kerry Krutilla, Indiana University

Valuing Morbidity [Full Panel of Research Presentations] - Limited Recording Coming Soon!

Organizer: Lisa Robinson, Harvard University

Chair: Lisa Robinson, Harvard University

- *A stated preference approach to valuing reduced risk of kidney disease*
 - Chris Dockins, U.S. EPA, National Center for Environmental Economics; Sandra Hoffnagel, USDA Economic Research Service; Damien Dussaux, OECD; Charles Griffiths, U.S. EPA, National Center for Environmental Economics; Nathalie Simon, U.S. EPA, National Center for Environmental Economics
- *Valuing Infertility*
 - Damien Dussaux, OECD; Andrea Leiter, University of Innsbruck; Väinö Nurmi, ECHA; Christoph Rheinberger, ECHA
- *Citizen preferences: Willingness-to-pay behind a Veil of Ignorance in the context of health*
 - Susan Chilton, Newcastle University; Morgan Beeson, Newcastle University; Emily Laxton, Australian National University; Jytte Nielsen, Newcastle University

- *Willingness to pay for improved dental health*
 - Stephen Resch, Harvard University; Lisa Robinson, Harvard University; Ben Roher, Harvard University; Ryoko Sato, Harvard University

COVID-19: Vaccination Strategies [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Don Kenkel, Cornell University

- *Health and economic implications of alternative vaccine prioritization strategies*
 - Maddalena Ferranna, Harvard University; Daniel Cadarette, Harvard University; David Bloom, Harvard University
- *THE EFFECT OF COOPERATIVE MEMBERSHIP ON HEALTH RISK REDUCTION FROM COVID-19 PANDEMIC AMONG RICE FARMERS IN NIGERIA*
 - Ayodeji Coker, Federal University of Technology Minna
- *City and Regional Demand for Vaccines Whose Supply Arises from Competition in a Bertrand Duopoly*
 - Amit Batabyal, Rochester Institute of Technology

Monday, March 21, 2022, 1:00 pm-2:30 pm

Who Wins and Who Loses: Inequality and Regulation [Plenary] [View Recording>>](#)

Organizer: Lisa Robinson, Harvard University

Chair: Cary Coglianese, University of Pennsylvania

- John Graham, Indiana University
- Lori Benneer, Duke University
- John Mendeloff, University of Pittsburgh
- Severin Borenstein, University of California, Berkeley
- Lisa Robinson, Harvard University

Monday, March 21, 2022, 3:00 pm-4:30 pm

Climate, Hunger, Farm Income, Rural Communities: Benefits and Costs of USDA Programs [Full Panel of Research Presentations] - Limited Recording Coming Soon!

Organizer: Sandra Hoffmann, USDA Economic Research Service

Chair: Lynn Karoly, RAND

- *Farm Income Support Since 2018: Farm Bill and Ad-Hoc Programs.....*Stephanie Rosch, Congressional Research Service, U.S. Library of Congress
- *Seeking resilience in the food and agriculture sector- Climate Smart Agriculture and the potential of the Farm Bill.....*Ann Bartuska, Environmental Defense Fund
- *Benefits and Costs of Selected Broadband Initiative Program Projects.....*John Pender, USDA Economic Research Service
- *It's Not Just the Cost of a Meal: Why the Debates about Federal Nutrition Programs Need to Include Benefit Analysis.....*Elaine Waxman, Urban Institute

Recent Developments in Equity in BCA [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Thomas Kniesner, Claremont Graduate University

Chair: Thomas Kniesner, Claremont Graduate University

Discussant: Thomas Kniesner, Claremont Graduate University

- *Incorporating Equity Concerns in Regulation*
 - Caroline Cecot, George Mason University; Robert Hahn, University of Oxford
- *Equitable Mortality Risk Benefits*
 - Thomas Kniesner, Claremont Graduate University; W. Kip Viscusi, Vanderbilt University
- *Investigating Whether Agencies Consider Distributional Effects and Equity in Regulatory Analysis*
 - Mark Febrizio, George Washington University

- *The Military VSL*
 - Ryan Sullivan, Naval Postgraduate School

AmeriCorps Return on Investment Studies: Innovation and Insight [Full Panel of Research Presentations] [View Recording>>](#)

Organizers: Benjamin Miller, ICF; Lily Zandniapour, AmeriCorps

Chair: Steve Lize, The Pew Charitable Trusts

- Steve Lize, Pew Trusts
- Dominic Modicamore, ICF
- Benjamin Miller, ICF
- Lily Zandniapour, AmeriCorps
- David Parker, National Science and Service Collaborative, ServeMinnesota

Benefit-Cost Analysis and Tribal Water Rights [Roundtable Discussion] [View Recordings>>](#)

Organizer: Michael Hanemann, Arizona State University

Chair: Michael Hanemann, Arizona State University

- The United States Federal Government acts as a trustee for Native American Tribes. In the South especially important part of this trustee responsibility is to ensure that Tribes secure their water under the Winters doctrine. In this roundtable, discussion panelists will explore the role of benefit-cost analysis in the quantification of Tribes' water rights. Panelists will discuss the extent to which and what conditions Tribes need to provide economic justification for their water rights claims. Panelists will also discuss the role of benefit-cost analysis in the estimation of damages that Tribes may have incurred if the US Federal Government fails in its trustee responsibilities with respect to water rights. Panelists will examine the nature of the trustee's responsibility, and the types of losses that Tribes could incur as a result of the US Federal Government's planning failures.
 - Joe Kalt, Harvard Kennedy School
 - Richard Carson, University of California, San Diego
 - Dale Whittington, University of North Carolina at Chapel Hill
 - Rhett Larson, Arizona State University
 - Catherine McManus, University of North Carolina - Chapel Hill

Accounting for Health Equity in Distributional Analyses [Roundtable Discussion] [View Recording>>](#)

Organizer: Aaron Kearsley, Department of Health and Human Services

Chair: Aaron Kearsley, Department of Health and Human Services

- There has been a growing emphasis on the importance of accounting for equity in analyses of regulatory impacts. The President's January 20, 2021 Memo on Modernizing Regulatory Review, as well as the April 26, 2021 memo on the implementation of the American Rescue Plan Act, prompt agencies to account for distributional consequences in regulatory analyses to ensure that regulations appropriately benefit and do not disproportionately burden underserved or underrepresented communities. E.O. 13985 on Advancing Racial Equity and Support for Underserved Communities Through the Federal Government and E.O. 14008 on Tackling the Climate Crisis at Home and Abroad also provide direction for agencies to consider distributional effects of policies. What resources are available to a regulator or economist seeking to better account for the distributional impacts of a federal policy? This roundtable discussion brings HHS and FDA economists and policy analysts together to discuss data sources and methodologies that allow distributional analyses across gender, age, race, and ethnicity. We will identify potential data sources, describe methodological approaches, and discuss how data can be utilized in distributional analyses. Finally, we will provide an example of a distributional analysis through an empirical lens and discuss paths forward.
 - Emily Galloway, U.S. Food and Drug Administration
 - Julia Marasteanu, US Food and Drug Administration
 - Janet Peckham, US Food and Drug Administration

- Carolyn Wolff, US Food and Drug Administration

Monday, March 21, 2022, 5:00 pm-6:30 pm

COVID-19: Facemasks, Mandates, and Temporary Standards. [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Trudy Ann Cameron, University of Oregon

- Private and public benefits and costs of face masks during a prolonged pandemic
 - Steve Newbold, University of Wyoming; David Finnoff, University of Wyoming
- *The Political Economy of COVID-19: Facemask Dilemma in the US*
 - Dohyeong Kim, University of Texas - Dallas; Hanna Shin, University of Texas - Dallas; Richard Carson, University of California, San Diego; Dale Whittington, University of Carolina at Chapel Hill; Michael Hanemann, Arizona State University
- *A Mortality Risk Analysis of OSHA's COVID-19 Emergency Temporary Standards*
 - James Broughel, Mercatus Center at George Mason University; Andrew Baxter, George Mason University
- *Benefits and Costs of U.S. Employer COVID-19 Vaccination Mandates*
 - Lisa Robinson, Harvard University; Maddalena Ferranna, Harvard University; Daniel Cadarette, Harvard University; Michael Eber, Harvard University; David Bloom, Harvard University

Unrest, Drugs, Borders, and National Defense [Full Panel of Research Presentations] - Limited Recording Coming Soon!

Chair: Amy Sharp, U.S. Nuclear Regulatory Commission

- *Costs of Drug-involved and Drug-attributable Crime in Singapore*
 - Euston Quah, Nanyang Technological University; Wai Mun Chia, Nanyang Technological University Singapore; Tsiat Siong Tan, Singapore University of Social Sciences
- Status and Social Unrest; Costs and Benefits
 - Richard Zerbe, University of Washington
- *US Border Management: Evaluating Alternative Border Technologies*
 - Scott Farrow, University of Maryland, Baltimore County

Developing a Sector-Specific Framework for valuing green infrastructure and public spaces (New South Wales Australia) [Roundtable Discussion] [View Recording>>](#)

Organizer: Alice Meng, Department of Planning and Environment

Chair: Steve Hartley, NSW Department of Planning and Environment

- The New South Wales (NSW) Department of Planning and Environment (the Department) is developing a Sector-Specific framework for valuing green infrastructure and public spaces (the Framework). The Framework will be a companion to the NSW Government Guide to Cost-Benefit Analysis. COVID-19 demonstrated the importance of accessible and quality green infrastructure and public spaces to community wellbeing and resilience. Quality green and public spaces provide important physical and mental health benefits and play an important role in maintaining biodiversity in urban areas, mitigating urban heat island effects, and increasing resilience to climate change. The benefits of green infrastructure and public spaces can be complex to quantify and monetize compared to more traditional forms of grey infrastructure, which can result in sub-optimal decisions and under-investment in green infrastructure and public spaces. The Framework aims to provide a standardized, robust and comprehensive approach to support investment decisions and to help overcome methodological barriers for considering green infrastructure and public spaces in capital planning projects. The Framework is being developed with input from subject matter experts and practitioners from across NSW Government and other jurisdictions, who helped identify common benefits categories, and current valuation methodologies. These experts also helped confirm the suitability of the final

methodologies and values as part of a collaborative workshop approval process. The final Framework will be a ready source of preferred methodologies and parameter values for measuring green infrastructure and public spaces benefits. This will help better integrate green infrastructure and spaces into future planning and infrastructure decisions. The Framework is expected to be in a trial phase by early 2022. The Department will facilitate a roundtable session about how the Framework been developed, early experiences in applying the Framework to projects, and lessons learned from the development process.

- Coralie Williams, Infrastructure Australia
- Joanna Hole, NSW Department of Planning and Environment
- Kieron Hendicott, Infrastructure NSW
- Ophelia Cowell, NSW Treasury
- Sorada Tapsuwan, Commonwealth Scientific and Industrial Research Organisation

Monday, March 21, 2022, 8:00 pm-9:30 pm

Benefit-Cost Analysis in the Footsteps of George S. Tolley: In Memoriam [Full Panel of Research Presentations] [Recording>>](#)

Organizer: Don Kenkel, Cornell University

Chair: Glenn Blomquist, University of Kentucky

- *Professor George S. Tolley: A respectable and worldly scholar and a humble and loving elder*
 - Yih-chyi Chuang, National Chengchi University, Taiwan
- *The Impact of Pictorial Cigarette Warnings on Consumer Welfare: A Behavioral Benefit-Cost Analysis*
 - Don Kenkel, Cornell University
- *Air Pollution in Dehli: Policy Analysis and Suggestions*
 - Vinod Thomas, National University of Singapore
- *Contracting for Urban Bus Services in the U.S.: The Least-Subsidy Bidding Approach and Universal Service*
 - Rick Geddes, Cornell University

International Issues in Benefit-Cost Analysis [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Brad Wong, Copenhagen Consensus Center

- *Sunshine and Sausages: Transparency, equity and pragmatism in CBA practice with particular reference to Australia and New Zealand*
 - Robert Smith, University of New South Wales
- *Value of Fines for Enforcing Open Defecation Bans*
 - Mark Radin, University of North Carolina at Chapel Hill; Rachel Peletz, Aquaya; Carol Delaire, Aquaya; John Trimmer, Aquaya; Joyce Kisiangani, Aquaya; Ranjiv Khush, Aquaya
- *Contested Baselines, with illustrations from the Nile Basin*
 - Dale Whittington, University of North Carolina at Chapel Hill

Tuesday, March 22, 2022

[9:00 am - 10:30 am](#) | [11:00 am - 12:30 pm](#) | [1:00 pm-2:30 pm](#)

[3:00 pm - 4:30 pm](#) | [5:00 - 6:30 pm](#) | [8:00 pm - 9:30 pm](#)

Tuesday, March 22, 2022, 9:00 am-10:30 am

Application of EPA's "Climate Change and Social Vulnerability in the United States: A Focus on Six Impacts" to [Full Panel of Research Presentations] [View Recording>>](#)

Organizers: James Neumann, Industrial Economics, Inc.; Lauren Gentile, U.S. EPA, Climate Change Division

Chair: Lauren Gentile, US EPA

Discussant: Marcos Luna, Salem State University

- *Methodological details of EPA's Social Vulnerability report and implications for the context of regulatory analyses and needs for further research*
 - James Neumann, Industrial Economics, Inc.
- *Interpreting and communicating social vulnerability results for multiple audiences*
 - Margaret Black, ABT Associates
- *Estimating social vulnerability and disproportionate impacts for the effects of extreme temperature and labor*
 - Megan Sheahan, Industrial Economics, Inc.

Approaches to Ex-Post Evaluation-Based Cost-Benefit Analysis [Full Panel of Research Presentations] [View Recording>>](#)

Organizers: Derick Bowen, Millennium Challenge Corporation; Allison Wesley, Millennium Challenge Corporation

Chair: Derick Bowen, Millennium Challenge Corporation

- This panel will discuss the lessons learned to date from conducting Evaluation-Based CBAs (ECBAs) of the Millennium Challenge Corporation (MCC)'s foreign aid investments. These lessons include findings on how and why ex-ante CBA forecasts have differed from ex-post ECBA results, suggestions on how to select investments for ECBA, common areas of overlap and divergence between the perspectives and practice of evaluators and CBA practitioners, recommendations for collaboration between evaluators and CBA practitioners, and operational steps for conducting ECBAs. The discussants in MCC economists (Derick Bowen and Allison Wesley) and consultants from Limestone Analytics have helped MCC on piloting and scaling up ECBAs (Bahman Kashi and Kristen Schubert).
 - Derick Bowen, Millennium Challenge Corporation
 - Allison Wesley, Millennium Challenge Corporation
 - Bahman Kashi, Limestone Analytics
 - Kristen Schubert, Limestone Analytics

Student Papers - China, Nigeria, and Tanzania [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Henrik Andersson, Toulouse School of Economics

Chair: Laura Taylor, Georgia Institute of Technology

Discussant: Laura Taylor, Georgia Institute of Technology;

- *Determinants of the risk perception of farmer-herder conflicts: Evidence from rural Nigeria by Amaka Nnaji*
 - Amaka Nnaji, University of Nigeria
- *Conserve snow leopard under social choices: Sanjiangyuan National Park in Tibetan Plateau, China*
 - Shi Xiangying, Peking University; Jintao Xu, Peking University
- *The Role of Social Capital in Households' Transition towards Modern Cooking Fuels in Tanzania*

Benefits of Preventing Emerging Risks and Rare Events [Roundtable Discussion] [View Recording>>](#)

Organizer: Nellie Lew, Federal Aviation Administration

Chair: Nellie Lew, Federal Aviation Administration

- Public policies and regulations often involve benefit-cost analyses of an intervention, mitigation, or requirements intended to reduce risk. When these baseline risks are difficult to characterize with historical data due to their emerging or low probable nature, yet potentially have high consequences, what tools and methods should apply? Are there opportunities to explore proxy data or near-misses which may not be associated with immediate consequences or harms, but suggest the likelihood of such events? Furthermore, what does that imply for benefit-cost analysis, which traditionally relies on events with actual consequences to quantify benefits? In this roundtable of practitioners and academics, we explore these challenges and the methods that have been applied across multiple

contexts, including, aviation, environmental, pipeline and hazmat, security, and public safety.

- Danny Bressler, Columbia University
- Tony Cheesebrough, Cybersecurity and Infrastructure Security Agency
- Robin Dillon-Merrill, Georgetown University
- Alex Moscoso, U.S. Product Safety Commission
- Gabriel Mowsesyan, Pipeline and Hazardous Materials Safety Administration

Tuesday, March 22, 2022, 11:00 am-12:30 pm

Leveraging Machine Learning Estimates of Treatment Effect Heterogeneity to Improve Equity and Cost-Effectiveness [Plenary Session] [View Recording>>](#)

Organizer: Craig Thornton, Society for Benefit-Cost Analysis

Chair: Craig Thornton, Society for Benefit-Cost Analysis

Discussant: Lynn Karoly, RAND

- This talk will show that combining randomized controlled trials with machine learning methods can produce a consistent estimate of treatment effect heterogeneity by baseline covariates, which can potentially be used to target programs better. The main application will be to a childhood immunization program in India. The basis for the technical aspect behind Professor's Duflo's talk can be found [here](#).
 - Esther Duflo, MIT

Tuesday, March 22, 2022, 1:00 pm-2:30 pm

Water and Sanitation Planning and Policy in Low- and Middle-income Countries [Full Panel of Research Presentations] - Recording Not Authorized for Release

Organizer: David Fuente, University of South Carolina

Discussants: Jane Zhao, University of North Carolina - Chapel Hill; Saumitra Sinha, University of North Carolina - Chapel Hill; Helena Cardenas, University of North Carolina at Chapel Hill

- *A Meta-Analysis of Hedonic Property Value Model Estimates of Piped Water Supply Services in Developing Countries*
 - Jane Zhao, University of North Carolina - Chapel Hill; Dale Whittington, University of North Carolina at Chapel Hill
- *Evaluating the Free Water Policy of Delhi*
 - Saumitra Sinha, University of North Carolina - Chapel Hill
- *Salience of Information on Quantity. Does Provision of Information on Quantity Matters for Residential Water Demand? Natural Experiment of the Digitalization of the Water Bill in San Jose, Costa Rica*
 - Helena Cardenas, University of North Carolina at Chapel Hill
- *Household perceptions of affordability and "fair" water prices: Insights from a field experiment in Nairobi, Kenya*
 - David Fuente, University of South Carolina

Discussants:

- Jane Zhao, University of North Carolina - Chapel Hill
- Saumitra Sinha, University of North Carolina - Chapel Hill
- Helena Cardenas, University of North Carolina at Chapel Hill

Toxic Chemicals, Tobacco, and Organ Donation [Full Panel of Research Presentations] [View Recording>>](#)

- *Economic benefits of reducing the risk of very low birth weight and related health problems caused by exposure to toxic chemicals in OECD countries*
 - Iva Zverinova, Charles University; Milan Ščasný, Charles University
- *Spillover Effects of Extreme Risk Protection Order Law on Organ Donation*
 - Rachel Dalafave, Vanderbilt University
- *Tobacco Product Regulatory Review: A Proposal for More Analysis and Less Sludge*

- Don Kenkel, Cornell University

Distributive Implications of PM2.5 and Dust-Lead Policies and Benefits of Plastic Bans and Seabird Sanctuarie Panel of Research Presentations] [View Recording>>](#)

Chair: Lala Ma, University of Kentucky

- *Mortality Risk from PM2.5: A Comparison of Modeling Approaches to Identify Disparities across Racial/Ethnic Groups in Policy Outcomes*
 - Elisheba Spiller, Environmental Defense Fund; Jeremy Proville, Environmental Defense Fund; Ananya Roy, Environmental Defense Fund; Nicholas Muller, Carnegie Mellon University
- *Environmental Justice Implications of Revisions to U.S. EPA's Dust-Lead Hazard Standards and Dust Clearance Levels*
 - Lauren Masatsugu, ABT Associates; Matt LaPenta, ABT Associates
- *Benefit-cost analysis of Canada's proposed Single-Use Plastics Prohibition Regulations*
 - Mathieu Coutu, Environment and Climate change Canada; Kai Furugori, Environment Climate Change Canada
- *Estimating the Economic Value of the Crab Bank Seabird Sanctuary*
 - John Whitehead, Appalachian State University; Ray Rhodes, College of Charleston

Regulation Issues: Modernization, Secondary Markets, CEA, and Compliance [Full Panel of Research Presentations] [View Recording>>](#)

Chair: David Weimer, University of Wisconsin - Madison

- *Cost-Effectiveness Analysis versus Benefit-Cost Analysis*
 - Elizabeth Ashley, OMB Office of Information and Regulatory Affairs
- *When Can Benefit-Cost Analyses Can Ignore Secondary Markets?*
 - Matthew Kotchen, Yale University; Arik Levinson, Georgetown University
- *Economic Impact of Regulatory Compliance Processes*
 - Daniel Perez, George Washington University; Layvon Washington, George Washington University; Joseph Cordes, George Washington University; Susan Dudley, George Washington University
- *"Modernizing" Regulatory Impact Analysis*
 - Richard Belzer, Consultant

Using BCA to Support Agile Regulatory Governance [Roundtable Discussion] [View Recording>>](#)

Organizer: Susan Dudley, George Washington University

Chair: Daniel Trnka, Organization for Economic Cooperation & Development

- The rise of the digital economy is one of the defining features of the 21st century. Innovation and technologies affect societies and economies in many ways. Governments play a major role in encouraging digital innovation and incentivizing the development of these technologies for the benefit of society. They can foster broad public and consumer interests and limit any potential unintended negative consequences by providing general rules that reflect societal values and preferences. Little is yet understood on how the traditional regulatory functions of governments, including the application of regulatory management tools, such as impact assessment and benefit-cost analysis, should evolve in light of these transformative changes. A number of factors compound to create unprecedented challenges in the way governments and regulators operate. Regulatory frameworks might not be agile enough to accommodate the fast pace of technological development and, in many cases, rules might be outdated and no longer relevant. Beyond this pacing problem, emerging technologies challenge the ways governments regulate in fundamental and interrelated ways by blurring the traditional definition of markets, challenging enforcement, and transcending administrative boundaries domestically and internationally. The panel will discuss how governments are attempting to use BCA in an agile and

integrated fashion to inform a continuous learning and adaptation process throughout the policy

- Daniel Trnka, Organisation for Economic Cooperation & Development
- Miguel Amaral, OECD
- Susan Dudley, George Washington University
- Sabeel Rahman, Office of Management and Budget
- Joseph Dunne, European Parliament
- Joe Devlin, Environment Canada

Tuesday, March 22, 2022, 3:00pm-4:30pm

Tools and Applications in Benefit-Cost Analysis. [Full Panel of Research Presentations] [View Recording>>](#)

Chairs: Kirsten Jensen, The New Zealand Treasury

- *Cost-Benefit Analysis of IT Innovations in VAT Taxation of Small Business*
 - Siamand Hesami, Eastern Mediterranean University; Owotomiwa C. Olubamiro, Car Resources International; Glenn P. Jenkins, Queen's University
- *Does Means Testing Incentivise Assets Depletion?*
 - Fabio Rodrigues Dos Santos, Macquarie University; Chris Heaton, Macquarie University; Pundarik Mukhopadhaya, Macquarie University
- *A holistic way to deliver value for money*
 - Joanne Leung, New Zealand Ministry of Transport
- *The New Zealand Treasury CBAX tool*
 - Kirsten Jensen, The New Zealand Treasury

Welfare and Distributional Effects of Different Water Pricing Schemes [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Felipe Vásquez-Lavín, Universidad del Desarrollo

Chair: Felipe Vásquez-Lavín, Universidad del Desarrollo

- Michael Hanemann, Arizona State University
- Alejandra Chovar, University of Alicante
- David Fuente, University of South Carolina
- Joseph Cook, Washington State University
- Guillermo Donoso, Pontificia Universidad Católica de Chile
- Dale Whittington, University of North Carolina at Chapel Hill

VSL and Equity [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Matthew Adler, Duke University

Chair: Mary Evans, University of Texas at Austin

Discussant: James Hammitt, Harvard University;

- *Valuing Future Lives*
 - Jonathan Masur, University of Chicago
- *Identity-Adjusted VSL*
 - Arden Rowell, University of Illinois
- *The Social Value of Risk Reduction versus VSL*
 - Matthew Adler, Duke University

Tuesday, March 22, 2022, 5:00pm-6:30pm

Preventing Illness [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Laura Stanley, George Washington University

- *Occupational Heat Illness Prevention in California*
 - David Metz, RAND Corporation; Shannon Prier, RAND Corporation; Benjamin Miller, Corporation
- *Impacts of Red Imported Fire Ants to US Agriculture and Rural Communities*
 - Paul Mwebaze, University of Illinois Urbana-Champaign; Rachael Blake, The National Environmental Synthesis Center (SESYNC); Michael Springborn, University of California Davis
- *Benefit-cost analysis of harmful algal bloom risk reduction: A multi-level solutions comparison in a benefits approach*
 - Caroline Simard, University of Quebec in Outaouais; Justin Leroux, HEC Montreal; J  Dupras, University of Quebec in Outaouais
- *A Revised Economic Analysis for OSHA's COVID-19 Vaccination and Testing Emergency Temporary Standard*
 - Andrew Baxter, George Mason University; James Broughel, Mercatus Center at George Mason University

Pilots, Nuclear Accidents, and Disasters [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Amy Sharp, U.S. Nuclear Regulatory Commission

Discussant: Daniel Acland, University of California at Berkeley

- *Anticipated Impacts and Modeling of Nuclear Accidents*
 - AJ Nosek, Nuclear Regulatory Commission
- *Behavioral Economic Consequences of Disasters: A Basis for Inclusion in Benefit-Cost Analysis*
 - Adam Rose, University of Southern California
- *U.S. Air Force Pilot Attrition and Shortage: A Boom-Bust Cycle*
 - Ali Gungor, Federal Aviation Administration

Infrastructure Investment and Funding [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Xie Zhoudan, George Washington University

- *Projected Effects of Proposed US Funding for Advanced Energy Technology Development*
 - Daniel Shawhan, Resources for the Future; Kathryne Cleary, Resources for the Future; Christoph Funke, Resources for the Future; Steven Witkin, Resources for the Future
- *Wider Economic Benefits from Infrastructure Investment: Theory, Potential Significance, and Measurement*
 - Don Pickrell, Volpe Center, U.S. Dept. of Transportation; Anna Solow-Collins, Volpe Center, U.S. Dept. of Transportation
- *Can privatization of distribution substations improve electricity reliability for non-residential customers? An application to Nepal*
 - Majid Hashemi, Queen's University; Glenn P. Jenkins, Queen's University
- *Use of Integrated Cost-Benefit Analysis to Inform the Design of Blended and Innovative Financing Instruments*
 - Bahman Kashi, Limestone Analytics; Aaron Bruner, Conservation International; Fred Tremblay, Limestone Analytics; I Made Sanjaya, Conservation International; Anurag Ramachandra, Conservation International; Bara Kalla, Conservation International; I Wright, Conservation International

Tuesday, March 22, 2022, 8:00pm-9:30pm

Stated Preferences Studies on VSL in China [Full Panel of Research Presentations] [View Recording>>](#)

Organizer: Jiakun Zheng, Renmin University of China

Chair: Jiakun Zheng, Renmin University of China

Discussant: James Hammitt, Harvard University

- *The value of statistical life in China and the benefit transfer: A Meta-analysis based on the empiric literature*
 - Shiqiu Zhang, Peking University; Yanying Wang, Peking University
- *Willingness to pay for mortality risk reductions: experience matters*
 - Jianhua Xu, Peking University
- *Behavioral determinants on individual preferences for reducing health risks: evidence based on the Chinese population*
 - Henrik Andersson, Toulouse School of Economics; James Hammitt, Harvard University; Jiakun Zheng, Renmin University of China

Climate Change Issues in Singapore and the US [Full Panel of Research Presentations] [View Recording>>](#)

Chair: Mark Dickie, University of Central Florida

- *Economic Impact of Transboundary Haze Pollution in 2015 on Singapore*
 - Euston Quah, Nanyang Technological University; Wai Mun Chia, Nanyang Technological University Singapore; Tsiat Siong Tan, Singapore University of Social Sciences
- *A Preliminary Cost-Benefit Analysis of Electric Vehicle Policies in Singapore*
 - Nahim Zahur, Queens University; Tilak Doshi, Doshi Consulting
- *Are the Recent Deregulatory Measures Targeting the Protection of the Brazilian Amazon Justified? A Cost-Benefit Analysis?*
 - Carolina Arlota, University of Oklahoma
- *Economic Benefits and Costs of Agrivoltaic Systems in the US*
 - Paul Mwebaze, University of Illinois Urbana-Champaign; Madhu Khanna, University of Illinois, Urbana-Champaign; Ruiqing Miao, Auburn University; Jordan Macknick, National Renewable Energy Laboratory (NREL)

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