

Concurrent Sessions — Monday, 2:45 - 4:15 PM

1064 Exploring Economic and Policy Frontiers at the Intersection of Resource, Regional, and Rural

Provincetown, 4th Floor

Invited Papers

This session aims to stimulate a dialog among resource, regional and rural economists to assess the progress and prospects of research and policies at the intersection of resource, rural and regional economics, to discuss current on-going research, and to identify emerging topics of interest and possible directions for future research.

Organizers: Bruce A. Weber, Oregon State University; JunJie Wu, Oregon State University

Moderator: Bruce A. Weber, Oregon State University

Discussant: Maureen Kilkenny, National Center for Food and Agricultural Policy

A Framework for Exploring Nature-Human and Rural-Urban Interactions: Integrating Regional, Resource and Rural Economics Insights

JunJie Wu, Oregon State University; Bruce A. Weber, Oregon State University; Mark D. Partridge, The Ohio State University

Spatial-Dynamic Complexities of the Climate Challenge for Rural Areas: Integrating Resource and Regional Economic Insights

Rebecca S. Epanchin-Niell, Resources for the Future; Yusuke Kuwayama, Resources for the Future; Margaret Walls, Resources for the Future

Protected Areas and Urban Development: The Case Study of Natural Regional Parks in France

Thomas Coisson, AGROCAMPUS OUEST; Julien Salanié, Université Jean Monnet

1065 Consumers' Trade-offs When Different Values Conflict: Insights and Examples with Animal Welfare and Environmental Sustainability as Choice Criteria

Arlington, 3rd Floor

Organized Symposium

Global food value chains are cooperating to achieve collective sustainability standards, including measurable and verifiable environmental, economic and social indicators. Given the ecology of agricultural production, regulatory improvement of one indicator e.g. animal welfare, may lead to adverse environmental (public good) or economic (private) outcomes, confounding the common sustainability goal. We report on international research examining public perceptions and values regarding sustainability, and consider how consumers make trade-offs in food preferences when outcomes for different social and environmental criteria are conflicting. A discussion of challenges and opportunities from including neurophysiological measures for this kind of research is part of our conversation.

Moderator: Wendy J. Umberger, University of Adelaide

Public Interest in the Use of Genomic Selection to Breed Pigs with Animal Welfare, Human Health and Environmental Outcomes

Ellen W. Goddard, University of Alberta

Understanding Australian Consumers' Trade-off Decisions when Choosing Meat with Animal Welfare and Other Sustainable Attributes

Lenka Malek, Women's and Children's Health Research Institute; Jill Windle, Central Queensland University; Wendy J. Umberger, University of Adelaide; John C. Rolfe, Central Queensland University

Organizing Neuroeconomics around Sustainability Constructs and Ethics-based Decisions in Agriculture: The Example of Animal Welfare

Daniel R. Hawes, University of Bonn; Monika Hartmann, University of Bonn

1066 Online Survey Data Quality and its Implication: Academia and Industry Perspective

Tremont, 1st Floor

Organized Symposium

This session will discuss data quality issues in online surveys from both academia and industry perspectives. The panel members of the symposium will discuss the impact of potential satisficing behavior of online consumer panels on data quality. They will also demonstrate the use of different instruments that are commonly applied by online survey companies and researchers in academia. In addition, the panel members will present several approaches that can be used to improve the quality of data collected from online surveys.

Organizers: Zhifeng Gao, University of Florida; Lisa A. House, University of Florida

Panelists: Zhifeng Gao, University of Florida; Lisa A. House, University of Florida; Trey Malone, Oklahoma State University; Peter Shafer, Enterprise Solutions, Toluna USA, Inc.

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1067 Price Dynamics in Agricultural and Related Markets

Salon B, 4th Floor

Selected Presentation – Lightning Session

The studies in this section use modern time series methods to explore price dynamics in agricultural and related markets.

Moderator: Luis M. Pena-Levano, Purdue University

Short and Long-run Dynamics of Inflation and Commodity Prices

Sarah A. Stutzman, Purdue University; **Luis M. Pena-Levano**, Purdue University; Timothy G. Baker, Purdue University; Cesar L. Escalante, University of Georgia

Anticipatory Signals of Changes in U.S. Corn Demand

Leslie J. Verteramo Chiu, Cornell University; William G. Tomek, Cornell University

The Great Recession and Vertical Price Transmission in the U.S. Beef Market

Elham Darbandi; Sayed H. Saghaian, University of Kentucky

On The Economics of Commodity Price Dynamics and Price Volatility: A Case Study of Chinese Agricultural Commodity Market

Jean-Paul Chavas, University of Wisconsin; Jian Li, Huazhong Agricultural University

The Effect of Brazilian Corn and Soybean Crop Expansion on Price and Volatility Transmission

Jose Cesar Cruz Jr., Federal University of Sao Carlos; Daniel Henrique Dario Capitani, University of Campinas; Rodrigo L. F. Silveira, University of Campinas; Fabiana S. P. Urso, BM&F Bovespa; Joao G. Martines-Filho, University of Sao Paulo

Estimating Relative Price Impact: The Case of Brent and WTI

Shiyu Ye, University of Georgia; Berna Karali, University of Georgia

Measuring Price Discovery in Agricultural Markets

Evgenia Pavlova, Georg-August-Universität Göttingen; Stephan Von Cramon, University of Göttingen

Vegetable Price Prediction Using Atypical Web-Search Data

Do-il Yoo, Chungbuk National University

1068 Crop and Revenue Insurance

Salon C, 4th Floor

Selected Presentation – Lightning Session

This lightning round session provides new insights into current issues related to crop and revenue insurance.

Moderator: Juan He, North Carolina State University

Estimating the Effect of Crop Insurance on Input Use When Insured Farmers are Monitored

Juan He, North Carolina State University; Roderick M. Rejesus, North Carolina State University; Xiaoyong Zheng, North Carolina State University; Jose M. Yorobe Jr., University of the Philippines - Los Banos

The Potential to Use Futures and Options to Manage Crop Insurance Losses

Jonathon Driedger, University of Manitoba; Milton Boyd; Lysa Porth, University of Manitoba

Comparative Analysis of Producer Welfare Benefits of Yield Substitution and Yield Exclusion

Shyam Adbikari, Aon Benfield

The Demand for Crop Insurance: Elasticity and the Effect of Yield Shocks

Erik J. O'Donoghue, USDA-Economic Research Service; Sarah Tulman, USDA-Economic Research Service

Farmer Response to Crop Insurance Incentives Under Heterogeneous Risk-Management Strategies

Kari E. Heerman, USDA-Economic Research Service; Joseph C. Cooper, USDA-Economic Research Service; Robert C. Johansson, USDA-Office of the Chief Economist; Thomas W. Worth, USDA-Risk Management Agency

Impact Evaluation of the Brazilian Crop Insurance Public Program “Proagro Mais”

Carlos Andrés Oñate, University of Sao Paulo; Vitor Ozaki, University of Sao Paulo; Boris E. Bravo-Ureta, University of Connecticut

Can Crop Productivity Indices Improve Crop Insurance Rates?

Keith H. Coble, Mississippi State University; Jesse B. Tack, Mississippi State University; Xiaofei Li, Mississippi State University; Barry J. Barnett, Mississippi State University

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1069 Gender and Decision-Making

Berkeley, 3rd Floor

Selected Presentation

All papers in this session focus on gender-empowerment and related issues in developing countries.

Moderator: Lindsey K. Novak, University of Minnesota

Change of Heart: Shifting Opinions of Female Genital Cutting

Lindsey K. Novak, University of Minnesota

Does She Have a Say? The Impact of Livestock Transfer and Associated Training on Women's Empowerment: Evidence from Nepal and Zambia

Kashi R. Kafle, University of Illinois at Urbana-Champaign; Hope C. Michelson, University of Illinois at Urbana-Champaign; Alex E. Winter-Nelson, University of Illinois at Urbana-Champaign

Gender, Agricultural Extension, and the Adoption of Improved Maize Varieties: Evidence from Ethiopia, Kenya, Tanzania, Malawi, and Mozambique

Ruth Meinzen-Dick, International Food Policy Research Institute; Cheryl R. Doss, Yale University; Simone Passarelli, International Food Policy Research Institute; **Greg Seymour**, International Food Policy Research Institute; Paswel P. Marenya, International Food Policy Research Institute

Decomposing the Gender Wealth Gap in Ecuador

Boaz Anglade, University of Florida; Pilar Useche, University of Florida; Carmen Diana Deere, University of Florida

1070 Water Quality Policies

Harvard, 3rd Floor

Selected Presentation

This session examines various policies and management approaches directed at reducing nutrients and pollutants in public waters. Presentations primarily address agricultural and residential sources.

Moderator: Marc O. Ribaud, USDA-Economic Research Service

Reducing the Dead Zone: Assessing the Costs to Agriculture

Marc O. Ribaud, USDA-Economic Research Service; Elizabeth Marshall, USDA-Economic Research Service; Scott A. Malcolm, USDA-Economic Research Service; Marcel P. Aillery, USDA-Economic Research Service

The Effectiveness of Overlapping Pollution Regulation: Evidence from the Ban on Phosphate in Dishwasher Detergent

David A. Keisier, Iowa State University; Alex Cohen, Yale University

Consequences of the Clean Water Act and the Demand for Water Quality

David A. Keisier, Iowa State University; **Joseph S. Shapiro**, Yale University and National Bureau of Economic Research

1071 Behavioral Economics in Agribusiness

Massachusetts, 5th Floor

Selected Presentation

This session discusses a range of agribusiness issues using behavioral economics concepts.

Moderator: Mazbahul Ahamad, University of Nebraska-Lincoln

Envious Preference in Two-sided Matching Contract

Mazbahul Ahamad, University of Nebraska-Lincoln

Adoption and Abandonment of Conservation Agriculture: The Role of Social Networks and Spouses

Alwin Dsouza, Arizona State University; Ashok K. Mishra, Arizona State University

Asymmetric Effects of Winning and Losing Experience on Bidding Behaviour in Multi-Unit Auctions

Rebecca Elskamp, University of Guelph

Motivation, Attitude, and Participation in Agricultural Fairs

Ram N. Acharya, New Mexico State University

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1072 New Methods on Food Demand Estimation

Nantucket, 4th Floor

Selected Presentation

This session examines the demand for a variety of food products, as well as new methods for estimating prediction models.

Moderator: Andrea M. Leschewski, Michigan State University

Ingredient Complexity and the Demand for Convenience Foods

Andrea M. Leschewski, Michigan State University; Dave D. Weatherspoon, Michigan State University; Annemarie Kuhns, USDA-Economic Research Service

Interpreting Results of Demand Estimation from Machine Learning Models

Gareth P. Green, Seattle University

New Evidence on the Structure of Food Demand in China: An EASI Demand Model Estimated via IV-Panel Data Techniques

Vardges Hovhannisyan, University of Wyoming

A Country-Differentiated Import Demand Model for Fresh Tomatoes in the United States: An Estimation of Price and Income Elasticities for 1991 through 2014

Octavio Valdez-Lafarga, Arizona State University; Troy G. Schmitz, Arizona State University

1073 Competitiveness in Agricultural and Transportation Markets

New Hampshire, 5th Floor

Selected Presentation

This session examines the impact and status of agricultural and transportation policies.

Moderator: Michael E. Wetzstein, Purdue University

On the Demand for Federal Crop Insurance and Subsidy Reforms

Yang Wang, North Carolina State University; Francis Annan, Columbia University in the City of New York

How Do Premium Subsidies Affect Crop Insurance Demand at Different Coverage Levels: The Case of Corn

Jing Yi, Texas A&M University

Rejuvenating Barge Transportation Efficiency on the Mississippi River

Brian Wetzstein, Zen-Noh Grain Corporation; Kenneth A. Foster, Purdue University; Raymond J.G.M. Florax, Purdue University; James K. Binkley, Purdue University; **Michael E. Wetzstein**, Purdue University

1074 Product Information and Food Choices

Regis, 3rd Floor

Selected Presentation

These papers determine how different types of information provided to consumers impact consumer food choices. Information may be presented on product packaging or directly to consumers

Moderator: Meng Shen, University of Florida

Blue or Red? How Color Affects Consumer Information Processing in Food Choice

Meng Shen, University of Florida; Zhifeng Gao, University of Florida

An Effect of the List of Carcinogenic Food Categories in Consumers' Feelings of Guilt and Purchase Behavior

Seoyoung Hwang, Seoul National University; Junghoon Moon, Seoul National University

The Challenges of Enhancing Meat Product Information in Traditional Markets: An Alternative Strategy to Observe and Remove Starting-Point Bias

Shang-Ho Yang, National Chung Hsing University; Diogo Souza Monteiro, Newcastle University; Wei-Zeng Chen, National Chung Hsing University

Factors Affecting Consumer Acceptance of Nano-Packaged Food Products

Shuoli Zhao, University of Minnesota; Chengyan Yue, University of Minnesota; Yumeng Wang, Renmin University of China

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1075 Food-Related Consumer Behavior

Salon A, 4th Floor

Selected Presentation

Are consumers satisfied with food policies in South Korea? How do consumers value rice grades in South Korea? What behaviors drive consumers' store choice decisions in underserved communities in the United States? Are the drivers of food purchasing decisions associated with consumer-level food waste behavior in Canada? This session addresses these questions.

Moderator: Lauren Chenarides, The Pennsylvania State University

Consumers' Satisfaction with Food Policies: A Case Study of South Korea

Sanghyo Kim, Korea Rural Economic Institute; **Seong-Yoon Heo**, Korea Rural Economic Institute; Carl R. Zulauf, The Ohio State University; Kyei-Im Lee, Korea Rural Economic Institute

Consumers' Valuation of Rice Grade Labeling

Young Woon Choi, National Food Safety Information Service; Doo Bong Han, Korea University; Rodolfo M. Nayga, University of Arkansas; **Ji Yong Lee**, Kansas State University

Store Choice and Consumer Behavior in Food Deserts: An Empirical Application of the Distance Metric Method

Lauren Chenarides, The Pennsylvania State University; Edward C. Jaenicke, The Pennsylvania State University

Determinants of Consumer Food Waste Behaviour: Homo Economics vs. Homo Moralis

Deepananda P. Herath, Agriculture and Agri-Food Canada; Abdel Felfel, Agriculture and Agri-Food Canada

1076 Food Safety and Foodborne Illness

Salon D, 4th Floor

Selected Presentation

Safety is a critical element of any food supply. This session includes four papers that analyze food safety measures and foodborne illness outbreaks.

Moderator: John Bovay, USDA-Economic Research Service

Welfare Effects of the U.S. Food Safety Modernization Act Produce Safety Rule

John Bovay, USDA-Economic Research Service; Peyton M. Ferrier, USDA-Economic Research Service; Chen Zhen, Research Triangle Institute

How Foodborne Illness Outbreaks Impact Tomato Farms

Ioana (Julia) I. Marasteanu, Food and Drug Administration; Travis Minor, Food and Drug Administration

What Drives Media Reporting for Food Safety Events? Evidence from U.S. Meat Recalls

Bhagyashree Katare, Purdue University; Timothy Beatty, University of California, Davis

Foodborne Illness Outbreaks, Collective Reputation, and Voluntary Adoption of Industry-wide Food Safety Protocols by Fruit and Vegetable Growers

Aaron A. Adalja, University of Maryland; Erik Lichtenberg, University of Maryland

1077 Competition and Pricing in Food Retailing

Salon H, 4th Floor

Selected Presentation

This session includes four empirical papers on competition and pricing in food retailing.

Moderator: Sven M. Anders, University of Alberta

Premium Private Labels, Cost-Pass Through and Retail Price Rigidity

Sven M. Anders, University of Alberta; Thomas Bittmann, University of Kiel

Pricing Complementary Products

Timothy J. Richards, Arizona State University; Stephen F. Hamilton, California Polytechnic State University

Impacts from a Retail Grocery Acquisition: Do National and Store Brand Prices Respond Differently?

William Secor, University of Minnesota; Metin Cakir, University of Minnesota

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1078 Agricultural Policy and Growth Issues

Salon I, 4th Floor

Selected Presentation

This session addresses issues related to agricultural policy and agricultural growth in developed and developing countries.

Moderator: Iryna Demko, The Pennsylvania State University

Policy Impacts from U.S. Organic Equivalency with the European Union

Iryna Demko, The Pennsylvania State University; Edward C. Jaenicke, The Pennsylvania State University

Accounting for Farm Heterogeneity in the Assessment of Agricultural Policy Impacts on Structural Change

Legrand D. F. Saint-Cyr, Agrocampus Ouest; Laurent Piet, National de la Recherche Agronomique, UMR SMART

Brazil's Changing Macroeconomic Conditions: Impacts on Agricultural Growth and Trade

Constanza Valdes, USDA-Economic Research Service; Kim C. Hjort, Economic Analysis Systems

Can Agricultural Growth Explain the Reversal of a Declining Trend in Per Capita Calorie Consumption in India?

Deepti Elizabeth Kolady, South Dakota State University; Shivendra K. Srivastava, National Centre for Agricultural Economics and Policy Research; Jaspal Singh, National Institute of Agricultural Economics and Policy Research

1079 Nutrition Issues in the Developing World

Salon J, 4th Floor

Selected Presentation

Papers in this session address various aspects of the status and policy of nutrition in less developed countries.

Moderator: Leah EM Bevis, Cornell University

Who Supplies the Nutrients? The Puzzle of Crop Zinc Heterogeneity and Low-Zinc Market Crops in Rural Uganda

Leah EM Bevis, Cornell University

Food Subsidies and Nutritional Status: Evidence from ICRISAT Data

Priya Bhagowalia, Jawaharlal Nehru University; Arjita Chandna, Jawaharlal Nehru University

Inequality in the Distribution of Calories: Evidence from Bangladesh

Anna D'Souza, Baruch College, CUNY; **Sharad A. Tandon**, USDA-Economic Research Service

Agriculture, Nutrition, and the Green Revolution in Bangladesh

Derek Headey, International Food Policy Research Institute; John Hoddinott, Cornell University

1081 Effect of Weather on Resource Use and Management

Vermont, 5th Floor

Selected Presentation

This session explores the effects of weather stochasticity and spatial heterogeneity on public safety, crop field days, water infrastructure, and water quality trading program design.

Moderator: Seong Do Yun, Yale School of Forestry and Environmental Studies

Days Suitable for Field Work in the U.S. Corn Belt: Climate, Soils and Spatial Heterogeneity

Seong Do Yun, Yale School of Forestry and Environmental Studies

Role of Weather on Design of a Water Quality Trading Program Baseline: A Case Study of the Jordan Lake Watershed, North Carolina.

Marzieh Motallebi, Clemson University; Ali Tasdighi, Colorado State University; Dana L. Hoag, Colorado State University; Mazdak Arabi, Colorado State University

Water in the Balance: The Impact of Water Infrastructure on Agricultural Adaptation to Rainfall Shocks in India

Esha D. Zaveri, The Pennsylvania State University; Douglas H. Wrenn, The Pennsylvania State University; Karen Fisher-Vanden, The Pennsylvania State University

An Empirical Analysis of Typhoons and Crime Rates in Taiwan

Chin-Hsien Yu, Southwestern University of Finance & Economics; Jianhong Mu, Oregon State University; Jinxiu Ding, Xiamen University

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1082 Climate Change and Agriculture

Vineyard, 4th Floor

Selected Presentation

Papers in this session analyze climate change impacts and adaptation in agricultural systems.

Moderator: Jianhong Mu, Oregon State University

An Empirical Analysis of Climate Uncertainty and Land-use Change in the U.S. Pacific and Mountain Regions

Jianhong Mu, Oregon State University; Christopher Mihiar, Oregon State University; David Lewis, Oregon State University; Benjamin Sleeter, U.S. Geological Survey; John Abatzoglou, University of Idaho

Can Workfare Programs Support Adaptation to Climate Change? Evidence from Indian Agriculture

Anil K. Bhargava, University of Michigan; Teevrat Garg, London School of Economics; **Vis P. Taraz**, Smith College

Climate Change and Adaptive Strategies in Agriculture: Assessing the Impacts on Small Farmers in the Brazilian Sertão

Alexandre Gori-Maia, State University of Campinas; Daniele Cesano, Onda Verde Consultancy; Bruno C. B. Miyamoto, State University of Campinas; Patricia Andrade, State University of Campinas; Gabriela Santos Eusebio, State University of Campinas

Water Scarcity, Food Production, and Welfare: an Application of ENVISAGE Model

Iman Haqiqi, Purdue University

1083 Empirical Production Economics

Yarmouth, 4th Floor

Selected Presentation

This session is comprised of papers on production economics topics. The papers discuss carbon offset markets in livestock production, cost efficiency of U.S. electric power plants, the substitution of electricity generation in hydraulic fracturing technology and how crime impacts the efficiency of Mexican States.

Moderator: Albert K. Boaitey, University of Alberta

Optimal Livestock Management for Improved Environmental Outcomes: How Effective are Carbon Offset Markets?

Albert K. Boaitey, University of Alberta; Ellen W. Goddard, University of Alberta

Substitution in Electricity Generation: A State Level Analysis of Structural Change from Hydraulic Fracturing Technology

Levan Elbakidze, West Virginia University; Gulnara Zaynutdinova, West Virginia University

Greenhouse Gas Emissions Effect on Cost Efficiencies of U.S. Electric Power Plants

Melissa Lynes, U.S. Energy Information Administration; Brady E. Brewer, University of Georgia; Allen M. Featherstone, Kansas State University

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1084 **Development Issues in Latin America: Food Security, Health and Female Labor Force, Property Rights, and Agricultural R&D**
Boylston, 1st Floor

Track Session – LAS Section

The papers presented at this track session provide a mix of novel research ideas in economic development in Latin America and the Caribbean. The first paper estimates the effects of enrollment in a subsidized health care program on food expenditure and food security in Colombia. On health and female labor force, the second paper turns to the relationship between physical and psychological intimate partner violence and job exit in Colombia. The third paper explores the effects of private property rights on agricultural investments and land market transactions among small farmers in Peru. The last paper evaluates the evolving state of investments and returns to research and development (R&D) in the region using newly developed, long-run, country-specific data on investments in food and agricultural R&D as well as data on scientific personnel and on the evidence on economic returns to R&D.

Organizer: Johanna Fajardo-Gonzalez, University of Minnesota

Moderator: Luis A. Ribera, Texas A&M University

The Impact of Subsidized Health Care on Food Expenditure and Food Security: Estimates for Colombia
Camilo Bohorquez-Penuela, University of Minnesota

Intimate Partner Violence and Female Job Exit in Colombia
Johanna Fajardo-Gonzalez, University of Minnesota

Collective Property Rights and Agriculture in Peru
Margarita Gafuro, Brown University

The Economic Returns to Agricultural R&D in Latin America and The Caribbean: Is There Enough Investment?
Robert S. Andrade Lopez, University of Minnesota

1085 **Life on the Tenure-Track: Keys to Strategic Choices Early in your Career**
Clarendon, 3rd Floor

Track Session – GSS and FSN Sections

As a young faculty member, navigating the road to tenure can be daunting. Being “successful” in the field often hinges on a complex interplay of ill-defined requirements that go far beyond the evaluation of one’s peer-reviewed publication record. Delivering award winning teaching, securing external grant funding, supervising graduate students and servicing external stakeholders are some of the expectations that department chairs and faculty committees may have for young colleagues who are applying for tenure and promotion. However, the weight of different performance categories ranges widely and individual performance criteria may not be easily quantified. This track session brings together early-career and more experienced members of the academic community to provide tips, share experiences, and discuss strategies for success on the tenure track.

Organizers: Joshua G. Maples, Oklahoma State University; Christiane Schroeter, California Polytechnic State University

Moderator: Joshua G. Maples, Oklahoma State University

Looking at the Hard Facts: Results from a National Survey of Recently-Tenured Faculty
Christiane Schroeter, California Polytechnic State University; Sven M. Anders, University of Alberta

What Matters in the Tenure Decision: Perspectives from an External Reviewer
Dawn D. Thilmany McFadden, Colorado State University

Balancing Your Life Portfolio: Spousal Hires and Family Additions
Hikaru Hanawa Peterson, University of Minnesota

Toolkit for Recent Hires: Advice from a Department Head
Michael D. Woods, Oklahoma State University

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1086 Rejuvenating the Battered Exhausted Abused Teacher (BEAT)

Dartmouth, 3rd Floor

Track Session – SS-AAEA and TLC Sections

The objective is to provide a non-intimidating method for instructors to work toward enhancing instruction as students matriculate through their college education. Solutions to enhancements in learning, motivating, teamwork building, and infrastructure developing are offered in metric form. Prior to developing the solutions, a test is provided to determine the degree an instructor is emotionally exhausted from teaching. If the results indicate some degree of teaching exhaustion, then an instructor may want to consider the solutions offered for rejuvenation, which enhances learning. As an aid toward customizing solutions for each instructor, a student value calculator is employed, which determines uniquely for each instructor areas that will enhance instruction. From this evaluation, a personalized set of five solutions for rejuvenation that add student value is derived. From this customized set of teaching solutions, a physical “Coat of Teaching” is created with paper and markets as a continual reminder of the solutions.

Organizer: Michael E. Wetzstein, Purdue University

Discussant: Elizabeth A. Yeager, Kansas State University

Panelists: Gregory J. Colson, University of Georgia; Aslihan D. Spaulding, Illinois State University

Presenter: Michael E. Wetzstein, Purdue University

1087 The Russian Food Import Ban and the Eurasian Economic Union: Analysis of Trade Impacts

Exeter, 3rd Floor

Track Session – International Section

Resolution 830 of the Russian Federation from August 20, 2014, introduced an import embargo for certain agricultural products originating from the United States, the EU, Canada, Australia, and Norway. Meat, dairy products, fruits, and vegetables were the main targeted categories. On June, 25 2015, Russia announced the extension of the import embargo until August 2016. EU total value of agricultural and food exports were higher in 2015 than in any recent year, since higher exports to other destinations exceeded losses of exports to Russia. However, the incidence of impacts varied greatly across EU member states and in EU neighboring countries. Also there is a broader trade disarray in this region. The goal of this session is to collect analyses from different techniques and sources to provide a basis for discussion of the possible short and longer term impacts of these trade disruptions.

Organizer: William H. Meyers, University of Missouri

Moderator: William H. Meyers, University of Missouri

Discussant: Joseph W. Glauber, International Food Policy Research Institute

The Regional Effects of the Russian Import Ban

Ekaterina Krivonos, Food and Agriculture Organization

Global Economic Impacts of Russian Restrictions on Food Imports

Alla Golub, Purdue University; *Badri Narayanan Gopalakrishnan*, Purdue University

Trade Diversion and High Food Prices - The Impact of the Russian Pig Meat Import Ban

Linde J. Goetz, Leibniz-Institute for Agricultural Development in Middle and Eastern Europe; *Ivan M. Djuric*, Leibniz Institute of Agricultural Development in Transition Economies; *Thomas Glauben*, Leibniz Institute of Agricultural Development in Transition Economies (IAMO)

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1088 **What's in a Label? The Research, Politics and Policy of Genetically Modified Product's Labeling in the United States**
Fairfield, 3rd Floor

Track Session – FSN and FAMPS Sections

The labeling of genetically modified (GM) food continues to be a predominant biotechnology policy issue in the United States. Set to go into effect in July of 2016, Vermont's mandatory labeling law has been challenged in court by the Grocery Manufacturers Association, and the Federal Government is facing strong lobbying to prohibit state laws regarding GM labels. Public trust, the media, and lobbying dollars all have played a role in the labeling debate. This session presents research related to these three issues and adds a fourth presentation on the legal issues surrounding the policy debate. We hope that the session will engender a lively discussion that addresses the complex issues associated with the labeling of GM foods.

Organizers: Jane M. Kolodinsky, University of Vermont; Trenton Smith, University of Otago (New Zealand)

Moderator: Jill J. McCluskey, Washington State University

Does Consumers' Trust in Institutions Affect their Attitudes Towards GM Labeling?

Karen E. Lewis, University of Tennessee; Carola Grebitus, Arizona State University

Mediating Effects of the Media on the Informational Cues of GM labels

Jane M. Kolodinsky, University of Vermont; Ben Crosby, University of Vermont

(Mis)-Informed Consumers? Deep Capture and the GM Foods Debate

Trenton Smith, University of Otago (New Zealand)

Legal and Political Issues Surrounding Mandatory Labeling of Products Produced Using GM Ingredients

Todd Daloz, Assistant Attorney General, State of Vermont

1089 **Regulation in the Brewing Industry: A Panel Discussion of Brewing Experts**

Hyannis, 4th Floor

Track Session – BEER Section

The regulatory environment surrounding the production and distribution of beer is very complex. Often times, producers do not anticipate legal restrictions in brewing and distribution and become caught in a legal quagmire. Furthermore, depending on the location of the brewery, some of the restrictive laws have been in place since prohibition. This track session will focus on a discussion of the legal barriers faced by brewers in the New England area and how they have overcome them to become successful establishments. An industry panel discussion of four brewery owner and operators with a moderator will discuss the legal difficulties with starting and running a successful brewery. The focus will be on the idiosyncrasies of production and distribution regulation beyond the three-tier distribution system.

Organizer: Michael P. McCullough, California Polytechnic State University

Moderator: Richard J. Volpe III, California Polytechnic State University

Panelists: Jon Cadoux, Peak Organic Brewing Company; Scott Dow, Shipyard Brewing Company; Dave Howard, Wachusett Brewing Company; Will Myers, Cambridge Brewing Company

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1090 Implications of Recent Empirical Evidence for the Risk-Balancing Hypothesis

Maine, 5th Floor

Track Session – ARA and Econometrics Sections

This session provides a synthesis of new empirical evidence on the risk balancing hypothesis. The papers presented develop new identification strategies to enable casual interpretation out of their empirical analyses and also have theoretical implications. [Du et al.] utilize a natural experiment from China and a regression discontinuity design approach to show that hog farmers are not taking more debt after hog insurance becomes available. However insured farmers are 20% more willing to take debt than uninsured farms, which indicates that hog farmers in China face a credit constraint. At the same time, de Mey and Rao use detailed European agricultural panel data to explore the occurrence and extent of risk balancing behavior in greater depth. Finally, Ifft uses a difference-in-difference strategy to estimate the casual impact of an exogenous farm policy shock on farms' debt use.

Organizers: Jennifer E. Ifft, Cornell University; Liang Lu, University of California, Berkeley

Moderator: Liang Lu, University of California, Berkeley

Discussant: Stephen C. Gabriel, Farm Credit Administration

Risk Balancing, Credit Constraint, and on Credit Input Use: A Natural Experiment Approach from Hog Farmers in China
Xiaoxue Du, University of California, Berkeley; Calum G. Turvey, Cornell University; Yuehua Zhang, Zhejiang University; David Zilberman, University of California, Berkeley

The 2014 Farm Act and U.S. Farm Debt Structure

Jennifer E. Ifft, Cornell University

Exploring the Extent of Risk Balancing Behavior: Panel Data Evidence from European Agriculture

Yann De Mey, KULeuven; Xudong Rao, Wageningen University

1091 Climate Risk and Uncertainty

Simmons, 3rd Floor

Track Session – ENV Section

Climate change and associated risk is arguably the most pressing environmental issue we face today. Three of the foremost economic researchers will speak on the issue in this session designed to allow extra time for questions and discussion.

Organizers: Ben Gramig, Purdue University; Matthew G. Interis, Mississippi State University

Moderator: Ben Gramig, Purdue University

The Road from Paris: International, National, & Sub-National Climate Policy

Robert Stavins, Harvard University

Abrupt Irreversible Climate Events and the Social Cost of Carbon

James H. Stock, Harvard University

Uncertainty in Climate and Crop Yields

John Reilly, M.I.T.

Concurrent Sessions — Monday, 2:45 - 4:15 PM

1092 Agribusiness Research Methods

St. Botolph, 2nd Floor

Track Session – AEM Section

The session promotes scholarly rigor in agribusiness research by demonstrating best practices through application. For instance, product terms in logit and probit models of binary choices may be better illustrated graphically, as demonstrated in study of producers' cash and contract sales. Partial least squares (PLS) offers an alternative to covariance-based structural equation models (SEM) of latent constructs and paths effects when data are non-normal, as in a study of relationships among firms' slack financial resources and innovation. Social network analysis facilitates understanding of social structures graphically represented by ties—for example, edges, links, and connections—amongst individuals or groups, and is applied here to measure the relatedness of a firm's patents and its implications for a biotechnology firm's innovative performance. Finally, when data is unavailable or insufficient, analysis of individual case studies can provide insights into economic phenomena and prove particularly useful for explaining concepts in the classroom.

Organizer: Jason Franken, Western Illinois University

Moderator: Joost M. E. Pennings, Maastricht University

Graphical Illustration of Interaction Effects in Binary Choice Models

Joost M. E. Pennings, Maastricht University; Jason Franken, Western Illinois University

Slack Financial Resources and Firm Level Innovation: An Application of PLS-SEM

Eric T. Micheels, University of Saskatchewan; Omid Mirzaei, University of Saskatchewan

A Social Network Approach to Understanding U.S.P.T.O Patent Data: A Review and Application of Social Network Measures to Patent Portfolio Data

Desmond W. Ng, Texas A&M University; Leonardo Sanchez, Littoral Polytechnic School

The Role of Research Cases in Teaching Environments

Michael L. Cook, University of Missouri

1093 Frontiers of Agricultural Transformation: What Has Changed?

Suffolk, 3rd Floor

Track Session – Africa and International Sections

Agricultural transformation involves a rise in productivity, market specialization and input use on farms with an associated shift in resources towards urban nonfarm activity. This session will present new work on how these changes are unfolding now, in Africa and other frontier regions where the transformation has both similarities and differences from the earlier experience of other regions. James Oehmke and co-authors will begin on moving from classical and neoclassical models of transformation to a contemporary model that focuses on rural employment, small towns and agribusinesses. Then trace the transformation of agricultural input industries in a paper from Carl Pray and co-authors, the transformation of value chains for farm outputs from Chuck Moss and Dave Weatherspoon, and the impacts of these changes on human nutrition from Will Masters.

Organizer: William A. Masters, Tufts University

Contemporary African Agricultural Transformation

James F. Oehmke, USAID; Carl E. Pray, Rutgers University; Anwar Naseem, Rutgers University; Latha Nagarajan, Rutgers University; Jock R. Anderson, World Bank; Lori A. Post, Yale University

Review of Agricultural Inputs Supply Policies in Contemporary Agricultural Transformation in Africa

Carl E. Pray, Rutgers University; Latha Nagarajan, Rutgers University; Greg Traxler, Evans School of Public Policy & Governance, University of Washington; Anwar Naseem, Rutgers University; David Gisselquist, IFDC

Household Production and Dietary Diversity: Implications for Supply Chain Development

Dave D. Weatherspoon, Michigan State University; Charles B. Moss, University of Florida

Agricultural Transformation and Human Nutrition: What Has Changed?

William A. Masters, Tufts University

Concurrent Sessions — Monday, 2:45 - 4:15 PM

1094 Extension Educational Efforts and the 2014 Farm Bill

Wellesley, 3rd Floor

Track Session – Extension Section

This symposium highlights the educational efforts of extension to inform producer and landowner decisions regarding the 2014 Farm Bill commodity title programs. Topics covered in the symposium include educational tools and strategies employed by various universities, impacts of outreach activities on sign-up decisions and other outcomes, and a discussion of expected efforts required in coming years regarding farm income safety net programs.

Organizer: Mykel R. Taylor, Kansas State University

Moderator: Bradley D. Lubben, University of Nebraska-Lincoln

Panelists: Glenn A. Barnaby Jr., Kansas State University; Joe L. Outlaw, Texas A&M University; Gary D. Schnitkey, University of Illinois

The 2014 Farm Bill Commodity Title Programs

Bradley D. Lubben, University of Nebraska-Lincoln

Summary of National Survey of Producers and Extension Educators on use of Farm Bill Decision Aids

Brenna Ellison, University of Illinois at Urbana-Champaign; Nicholas D. Paulson, University of Illinois at Urbana-Champaign

Results from Survey of Kansas Producers and Landowners on Farm Bill Sign-Up Decisions

Mykel R. Taylor, Kansas State University