

NC State University International Economics

CHALLENGING THE CHALLENGES: TRADE, AGRICULTURE, AND THE ENVIRONMENT

Welcome to the second annual workshop in international economics at NC State University.

Each year we gather leading scholars, policy makers, and industry experts to discuss pressing issues in international economics. This year's two-day workshop will expose participants to cutting-edge analysis from the foremost experts in the field drawing from 25 different institutions on topics in the intersection of Trade, Agriculture, and Environmental Economics.

The 2024 WTO meetings in Abu Dhabi highlighted ongoing challenges related to the liberalization of trade in agriculture and the role the international trading system can play in ameliorating environmental concerns. This year's workshop, titled ' *Challenging the challenges: Trade, Agriculture and the Environment,*' will evaluate how international economics forces interact with these agricultural and environmental challenges. Papers touch on agricultural and dynamic adaptation to climate change, technological adoption, the effects of trade policy on environmental degradation, and the spatial incidence of externalities.

The organizers would like to thank the participants, presenters, and discussants for their engagement in this workshop. We would also like to thank the Poole College of Management and the College of Agriculture and Life Sciences for their support of this initiative.

We also extend a heartfelt thank you to James W. (Jim) Owens for making this workshop possible.

Thank you again for your engagement and support, and we hope you enjoy this workshop.

Sincerely,

Filomena Garcia, Andrew Greenland, and Luca David Opromolla

ALL SESSIONS WILL BE HELD IN NELSON HALL 3400

Thursday, May 8, 2025

8:30 am-9:00am: Breakfast Pastries and Coffee

8:45am - 9:00 am: Welcome Remarks

Filomena Garcia, *North Carolina State University*

Associate Professor of Economics

Andrew Greenland, *North Carolina State University*

Assistant Professor of International Economics

Luca David Opromolla, *North Carolina State University*

Owens Distinguished Professor of International Economics

9:00 am - 10:15 am: Diet, Economic Development, and Climate Change

Presenter **Heitor Pellegrina**, *University of Notre Dame*

Patrick J. O'Malley III and Christine A. O'Malley Assistant Professor of Economics

Discussant **Wei Xiang**, *University of Michigan*

Assistant Professor of Economics

Discussant **Andrew Hultgren**, *Department of Agricultural and Consumer Economics & National Center for Supercomputing Applications, University of Illinois Urbana-Champaign*

Assistant Professor

10:15 am-10:35 am: Coffee Break and Discussion

10:35 am - 11:50 am: Agriculture, Trade, Migration and Climate Change

Presenter **Hyeseon Shin**, *Department of Agricultural, Environmental, and Development Economics, The Ohio State University*

Ph.D Candidate

Discussant **David Shin**, *Department of Economics, Duke University*

Incoming Assistant Professor University of Tennessee, Knoxville

Discussant **Jay Sayre**, *Department of Agricultural and Resource Economics, UC Davis*

Assistant Professor of Cooperative Extension

11:50 pm - 1:05 pm: Lunch, Outdoors in Governors Scott Courtyard

1:05 pm - 2:20 pm: E.U. Trade Restrictions and Heterogeneity Among Malaysian Oil Palm Farmers

Presenter **Audrey Tiew**, *New York University*
Assistant Professor of Economics

Discussant **Rafael Dix-Carneiro**, *Duke University & NBER*
Professor of Economics

Discussant **Monica Morlacco**, *University of Southern California*
Assistant Professor of Economics

2:20 pm - 2:40 pm: Coffee Break and Discussion

2:40-3:55 pm: Fertilizer Import Bans, Agricultural Exports, and Welfare: Evidence from Sri Lanka

Presenter **Devaki Ghose**, *Trade and International Integration Unit, Development Economics Research Group (DECRG), The World Bank*
Economist

Discussant **Laszlo Tetenyi**, *Banco de Portugal*
Research Economist

Discussant **Barry Goodwin**, *NC State University*
William Neal Reynolds Distinguished Professor of Agriculture and Resource Economics

3:55 pm - 4:15 pm: Coffee Break and Discussion

4:15 pm - 5:30 pm: Trade Risk and Food Security

Presenter **Fernando Leibovici**, *Research Division, Federal Reserve Bank of St. Louis*
Economic Policy Advisor

Discussant **Illenin O. Kondo**, *Research Department, Opportunity & Inclusive Growth Institute, Federal Reserve Bank of Minneapolis*
Senior Research Economist

Discussant **Sandro Steinbach**, *North Dakota State University*
Associate Professor of Agribusiness and Applied Economics & Director for Agricultural Policy and Trade Studies

Dinner

5:45 PM: Shuttle Departs for Dinner

6:00 PM-8:30 PM: Dinner at the Dorothy and Roy Park Alumni Center

8:30 PM: Shuttle returns participants to the Aloft Hotel

Friday, May 9, 2025

8:30 am-9:00am: Breakfast Pastries and Coffee

9:00 am - 10:15 am: Inappropriate Technology: Evidence from Global Agriculture

Presenter **Jacob Moscona**, *Department of Economics, MIT & NBER*
3M Career Development Assistant Professor of Economics

Discussant **Jingting Fan**, *Department of Economics, Pennsylvania State University*
Assistant Professor in Economics

Discussant **Apoorv Gupta**, *Department of Economics, Dartmouth College*
Assistant Professor of Economics

10:15 am-10:45 am: Coffee Break and Discussion

10:45 am - 12:00 pm: The Economic Effects of Climate Change in Dynamic Spatial Equilibrium

Presenter **Gary Lyn**, *Federal Reserve Board of Governors*
Senior Economist

Discussant **Sungwan Hong**, *Department of Economics, Pennsylvania State University*
Incoming Assistant Professor University of Pittsburgh

Discussant **Ricardo Colacito**, *UNC Kenan-Flagler Business School & NBER*
Professor of Finance & Faculty Director of the Center for Excellence in Investment Management

12:00 pm - 1:15 pm: Lunch, Nelson Hall 3220

1:15 pm - 2:30 pm: The Geographical Leakage of Environmental Regulation: Evidence from the Clean Air Act

Presenter **Daniel Yi Xu**, *Duke University & NBER & CEPR*
Professor of Economics

Discussant **Conor Walsh**, *Columbia Business School*
Assistant Professor

Discussant **John Voorheis**, *Environmental Inequality Lab*

2:30 pm-3:00 pm: Coffee Break and Discussion

3:00 pm - 4:15 pm: Power Decarbonization in a Global Energy Market: The Climate Effect of U.S. LNG Exports

Presenter **Constanza Abuin**, *Department of Economics, Harvard University*
Incoming Postdoc, Princeton IES

Discussant **Philipp Ludwig**, *Department of Economics, KU Leuven*
Incoming Assistant Professor, National University of Singapore

Discussant **Matthew Zaragoza-Watkins**, *Department of Economics & Graduate School of Management, UC Davis*
Visiting & Adjunct Professor

Durham Bulls Game

4:30 PM: Shuttle departs for Durham

6:35 PM - 9:45 PM: Durham Bulls Game

9:45 PM: Shuttle returns participants to the Aloft Hotel

Participants

ORGANIZER⁺ PRESENTER[†] DISCUSSANT^{*}

Constanza Abuin, Harvard University[†]
 Rafael Dix-Carneiro, Duke University^{*}
 Ricardo Colacito, UNC Chapel Hill^{*}
 Jingting Fan, Pennsylvania State University^{*}
 Filomena Garcia, NC State⁺
 Devaki Ghose, World Bank[†]
 Andrew Greenland, NC State⁺
 Barry Goodwin, NC State^{*}
 Apoorv Gupta, Dartmouth College^{*}
 Sungwan Hong, Pennsylvania State University^{*}
 Andrew Hultgren, University of Illinois^{*}
 Illenin O. Kondo, Federal Reserve Bank of Minneapolis^{*}
 Fernando Leibovici, Federal Reserve Bank of St. Louis[†]
 Philipp Ludwig, KU Leuven^{*}
 Gary Lyn, Federal Reserve Board[†]
 Jacob Moscona, MIT[†]
 Luca David Opromolla, NC State⁺
 Heitor Pellegrina, Notre Dame University[†]
 Jay Sayre, UC Davis^{*}
 David Shin, Duke University^{*}
 Hyeseon Shin, Ohio State University[†]
 Sandro Steinbach, North Dakota State University^{*}
 Laszlo Tetenyi, Banco de Portugal^{*}
 Audrey Tiew, NYU[†]
 John Voorheis, Environmental Inequality Lab^{*}
 Conor Walsh, Columbia University^{*}
 Wei Xiang, University of Michigan^{*}
 Daniel Yi Xu, Duke University[†]
 Matthew Zaragoza-Watkins, UC Davis^{*}

 Eiman Aiyash, NC State University
 Ana Andino, Duke University
 Sarah Bainn, NC State University
 Justin Baker, NC State University
 Spencer Banzhaf, NC State University
 Blake Barbour, NC State University
 Laura Andreasi Bassi, Skema Business School
 Kathryn Boys, NC State University
 Zachary Brown, NC State University

Frank Buckless, Dean PCOM NC State University
 Yutian Cai, NC State University
 Arthur Carvalho Brito, Duke University
 Ezgi Cengiz, NC State University
 Rui Chang, NC State University
 Chanheung Cho, NC State University
 Emily Decker, Duke University
 Wanrong Deng, Duke University
 Jeffrey Dorfman, NC State University
 Ayse Dur, NC State University
 Umut Dur, NC State University
 Vandad Feizmohammadi, NC State University
 Harrison Fell, NC State University
 Garey Fox, Dean CALS NC State University
 Shipeng Fu, Duke University
 Josh Gray, NC State University
 Cole Hood, NC State University
 Federico Huneus, Duke University
 Kyungmun Kim, NC State University
 Colton Leach, NC State University
 Xiongfei Li, Duke University
 Weiting Miao, Duke University
 Andy Nowel, NC State University
 Chrissie Pantoja, Duke University
 Denis Pelletier, NC State University
 Alex Pfaff, Duke University
 Joshua Preiss, UNC Chapel Hill
 Zhiyuan Qi, NC State University
 Rod Rejesus, NC State University
 Willard Robinson, NC State University
 Jiatong Ruan, NC State University
 Jimmy Ryals, NC State University
 Lyazzat Sanat, NC State University
 Nathan Schunk, NC State University
 Yue Shan, NC State University
 Clayson Shumway, NC State University
 Tugba Somuncu, UNC Chapel Hill
 Laszlo Tetenyi, Bank of Portugal
 Zhenxuan Wang, NC State University
 Leyi Wang, NC State University
 Zihan Yang, NC State University
 Andrew Zhai, Duke University
 Zihan Zhang, NC State University