

Charles H. Dyson School of Applied Economics and Management
 SC Johnson College of Business
 College of Agriculture and Life Sciences
 Cornell University
 450B Warren Hall
 Ithaca, NY 14853-7801
 Born: 7/29/1981
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 607.255.0220 (office)

EDUCATION

Ph.D.	Agricultural & Resource Economics	University of Maryland	2013
M.S.	Agricultural & Resource Economics	University of Maryland	2011
M.P.A.	Public Administration	Syracuse University (Maxwell)	2006
M.Eng.	Agronomy	Paris-Saclay University (AgroParisTech)	2004
B.S.	Life Sciences	Paris-Saclay University (Faculty of Sciences)	2001

TOPICS AND FIELDS OF INTEREST

Agricultural Economics; Resource Economics; Environmental Economics; Applied Econometrics;
 Climate Change Impacts and Adaptation.

Graduate Fields at Cornell: Applied Economics and Management; Public Policy; Economics; Natural Resources.

CURRENT APPOINTMENTS

7/2020–present Associate Professor, Dyson School of Applied Economics and Management, Cornell University, Ithaca, NY

9/2021–present Associate Professor, Brooks School of Public Policy, Cornell University, Ithaca, NY

7/2015–present Fellow, Cornell Atkinson Center for Sustainability, Cornell University, Ithaca, NY

PAST APPOINTMENTS

9/2023–6/2024 Visiting Fellow, Center for Food Security and the Environment, Stanford University, CA

1/2023–6/2023 Visiting Researcher, School of Economics, University of Sydney, Australia

7/2014–6/2020 Assistant Professor and CoBank/Farm Credit East Sesquicentennial Faculty Fellow in Economics and Management of Agricultural Production Sustainability, Dyson School of Applied Economics and Management, Cornell University, Ithaca, NY

7/2013–6/2014 Fellow, Resources for the Future, Washington, DC

7/2012–7/2013 Short Term Consultant, World Bank, Development Research Group: Environment & Energy Team (DECEE), Washington, DC

7/2006–8/2008 Special assistant to the Minister, Ministry of the Environment and Natural Resources, Santo Domingo, Dominican Republic

WORKING PAPERS & WORK IN PROGRESS

1. [The impact of extreme heat on farm finances: farm-level evidence from Kansas](#)
Osama Sajid, Jenny Ifft and **Ariel Ortiz-Bobea**
R&R (R2), American Journal of Agricultural Economics (AJAE)
2. Climate Change as a Determinant of Migrant Family Reunification
Brian H. Park, Arnab K. Basu, Nancy H. Chau, Filiz Garip and **Ariel Ortiz-Bobea**
Resubmitted (R1), Networks and Spatial Economics
3. [Heterogeneity and Market Adaptation to Climate Change in Dynamic-Spatial Equilibrium](#)
with Ivan Rudik, Gary Lyn, Weiliang Tan and **Ariel Ortiz-Bobea**
R&R (R1), JPE Macro
4. [Weather-driven US milk yield losses and economic damages revealed by 9 million cows](#)
Eukyoung Choi, Frances Davenport, Ziyi Lin, **Ariel Ortiz-Bobea**, Kristan Reed, Ermias Kebeab and Nathaniel Mueller
Resubmitted (R1), Nature Food
5. Accounting for quality more than doubles estimated heat damages to U.S. milk production
Jeisson Prieto, Ziyi Lin, Kristan F. Reed, Christopher A. Wolf and **Ariel Ortiz-Bobea**
Resubmitted (R1), Environmental Research Letters
6. Optimal Forest Management for Interdependent Products: A Nested Stochastic Dynamic Bioeconomic Model and Application to Bamboo
Tong Wu, David R. Just, C.-Y. Cynthia Lin Lawell, **Ariel Ortiz-Bobea** and Jiancheng Zhao
R&R (R1), Journal of the Agricultural & Applied Economics Association (JAAEA)
7. Decomposing the growth of historical U.S. agricultural greenhouse gas emissions
Ariel Ortiz-Bobea, Simone Pieralli and Jeisson Prieto
Submitted, AAEP
8. Recovering Revealed Preferences of Centralized Decision-Makers: Evidence from Water Allocation in the Panama Canal
Jeisson Prieto, Stefano Galeli and **Ariel Ortiz-Bobea**
Submitted, Journal of Association of Environmental and Resource Economists (JAERE)
9. Creative destruction or lasting decline? Evidence from U.S. post-disaster recovery
Yurou He, **Ariel Ortiz-Bobea** and Jiong Wu
In preparation

PUBLICATIONS

- **Ortiz-Bobea, A.** and S. Pieralli “[Unpacking the growth of global agricultural greenhouse gas emissions](#)”, *Science Advances* (2026) Vol 12, No. 3
- Wuepper, D., J.D. Wegner, N. Mileva, J. Bouchat, S. Chen, **A. Ortiz-Bobea**, R. Finger “[Harnessing satellite data for the next generation of agri-environmental policies](#)”, *Environmental Research Letters* (2026) Vol 21, No. 1
- Li, Z., W. Zang and **A. Ortiz-Bobea** “[Impacts of large-scale solar-enabling legislation on farmland values](#)”, *Land Economics* (2025). Vol 101, No. 4.
- **Ortiz-Bobea, A.**, R.G. Chambers, Y. He and D.B. Lobell “[Large increases in public R&D investment are needed to avoid declines of US agricultural productivity](#)”, *Proceedings of the National Academy of Sciences* (2025) Vol 122, No. 11. e2411010122

- Wilcox, S.W., D.R. Just and **A. Ortiz-Bobea** “[The Role of Staple Food Prices in Deforestation: Evidence from Cambodia](#)”, *Land Economics* (2025). Vol 101, No. 1.
- Aller, D., A.M. Chatrchyan, A. Calixto, J. Cummings, **A. Ortiz-Bobea**, G. Peck, J. Schouten, B. Weikert, E. Wolters “[New York State Climate Impacts Assessment 03 Agriculture](#)”, *Annals of the New York Academy of Sciences* (2024).
- Yang, Y., D. Tilman, Z. Jin, P. Smith, C.B. Barrett, Y. Zhu, J. Burney, P. D’Odorico, P. Fantke, J. Fargione, J.C. Finlay, M.C. Rulli, L. Sloat, K. Jan van Groenigen, P.C. West, L. Ziska, A.M. Michalak, M. Clark, J. Colquhoun, T. Garg, K.A. Garrett, C. Geels, R.R. Hernandez, M. Herrero, W. Hutchison, M. Jain, J.M. Jungers, B. Liu, N.D. Mueller, **A. Ortiz-Bobea**, J. Schewe, J. Song, J. Verheyen, P. Vitousek, Y. Wada, L. Xia, X. Zhang, M. Zhuang, D.B. Lobell “[Climate change exacerbates the environmental impacts of agriculture](#)”, *Science* (2024) Vol 385, No. 6713.
- Gammans, M., **A. Ortiz-Bobea** and P. Mérel “[Double cropping as an adaptation to climate change in the United States](#)”, *American Journal of Agricultural Economics* (2024). (accepted)
- Kira, O., J. Wen, J. Han, A.J. McDonald, C.B. Barrett, **A. Ortiz-Bobea**, Y. Liu, L. You, N. Mueller, Y. Sun “[A scalable crop yield estimation framework based on remote sensing of solar-induced chlorophyll fluorescence \(SIF\)](#)”, *Environmental Research Letters* (2024).
- Addoum, J., D. Ng and **A. Ortiz-Bobea**, “[Temperature Shocks and Industry Earnings News](#)”, *Journal of Financial Economics* (2023) Vol 150, No. 1, pp.1-45.
- Barrett, C., **A. Ortiz-Bobea** and T. Pham, “[Structural Transformation, Agriculture, Climate, and the Environment](#)”, *Review of Environmental Economics and Policy* (2023) Vol 17, No. 2, pp. 195-216.
- Fan, J., J. Bai, Z. Li, **A. Ortiz-Bobea** and & C.P. Gomes, “[A GNN-RNN approach for harnessing geospatial and temporal information: application to crop yield prediction](#)”. In *Proceedings of the AAAI conference on artificial intelligence* (2022) Vol. 36, No. 11, pp. 11873-11881.
 - Code and data: [here](#)
- Li, Z. and **A. Ortiz-Bobea**, “[On the Timing of Relevant Weather Conditions in Agriculture](#)” *Journal of the Agricultural and Applied Economics Association* 1 (2022) 180–195
 - Code and data: [here](#)
- Blom, S., **A. Ortiz-Bobea** and J. Hoddinott, “[Temperature and children’s Nutrition: evidence from West Africa](#)”, *Journal of Environmental Economics and Management* 155 (2022) 102698
- **A. Ortiz-Bobea**, “[The Empirical Analysis of Climate Change Impacts and Adaptation in Agriculture](#),” *Handbook of Agricultural Economics* 5 (2021) 3981–4073
 - Code and data: [here](#)
- Merél, P., **A. Ortiz-Bobea** and E. Paroissien, “[How big is the ‘lemons’ problem? Historical evidence from French wines](#),” *European Economic Review* 138 (2021)
 - Press release [here](#)
- Turvey, C., J. Du, Y. He, **A. Ortiz-Bobea**, “[A Vulnerability Index for Priority Targeting of Agricultural Crops Under a Changing Climate](#),” *Climatic Change* 166:34 (2021)
- **Ortiz-Bobea, A.**, T.R. Ault, C.M. Carrillo, R.G. Chambers and D.B. Lobell, “[Anthropogenic climate change has slowed global agricultural productivity growth](#),” *Nature Climate Change* 11 (2021) 306–312
 - Press release and video [here](#)
 - Code and data [here](#)
- Plastina A., S. Lence and **A. Ortiz-Bobea**, “[How weather affects the decomposition of Total Factor Productivity in U.S. agriculture](#),” *Agricultural Economics* 52:2 (2021) 215–234
- Addoum, J., D. Ng and **A. Ortiz-Bobea**, “[Temperature Shocks and Establishment Sales](#),” *Review of Financial Studies* 33:3 (2020) 1331–1366.
- **Ortiz-Bobea, A.**, “[The Role of Nonfarm Influences in Ricardian Estimates of Climate Change Impacts on U.S. Agriculture](#),” *American Journal of Agricultural Economics* (2020)
 - Code and data [here](#)
- **Ortiz-Bobea, A.**, H. Wang, C. Carrillo and T.R. Ault, “[Unpacking the climatic drivers of U.S. agricultural yields](#)”, *Environmental Research Letters* 14:6 (2019)
 - Press release [here](#)

- H. Wang and A. Ortiz-Bobea, "[Market-Driven Corn Monoculture in the US Midwest](#)," *Agricultural and Resource Economics Review* (2019) 1–23.
- Ortiz-Bobea, A., E. Knippenberg and R.G. Chambers, "[Growing Climatic Sensitivity of US Agriculture Linked to Technological Change and Regional Specialization](#)," *Science Advances* 4:12 (2018)
 - Press release and video [here](#)
 - Code and data [here](#)
- Ortiz-Bobea, A. and J. Tack, "[Is Another Genetic Revolution Needed to Offset Climate Change Impacts for US Maize Yields?](#)" *Environmental Research Letters* 13:12 (2018)
- Gammans, M., P. Mérel and A. Ortiz-Bobea, "[The Impact of Climate Change on Cereal Yields: Statistical Evidence from France](#)," *Environmental Research Letters* 12:5 (2017)
- Strand, J., R.T. Carson, S. Navrud, A. Ortiz-Bobea and J.R. Vincent, "[Using the Delphi method to value protection of the Amazon rainforest](#)," *Ecological Economics* 131 (2017) 475–484
- Ortiz-Bobea, A. and R.E. Just, "[Modeling the Structure of Adaptation in Climate Change Impact Assessment for Agriculture](#)," *American Journal of Agricultural Economics* 95:2 (2013) 244–251

OLDER PROJECTS

1. [The Economic Impacts of Climate Change on Agriculture: Accounting for Time-invariant Unobservables in the Hedonic Approach](#)

BOOK CHAPTERS

1. Ortiz-Bobea, A. "[US Maize Yield Growth and Countervailing Climate Change Impacts](#)." In *Climate Smart Agriculture*, pp. 161-172. Springer, Cham, 2018.
2. Jessoe, K., P. Mérel, and A. Ortiz-Bobea. 2018. "[Climate Change and California Agriculture](#)." Chapter 16 in P.L. Martin, R.E. Goodhue, and B.D. Wright (eds). *California Agriculture: Dimensions and Issues*. Giannini Foundation Information Series No. 18-01. Berkeley: University of California: Giannini Foundation and Division of Agriculture and Natural Resources.

TEACHING

AEM 7010, Applied Microeconomics, Fall 2014 (12 students)
 AEM 2500, Environmental and Resource Economics, Spring 2015 (48 students)
 AEM 7010, Applied Microeconomics, Fall 2015 (9 students)
 AEM 2500, Environmental and Resource Economics, Fall 2015 (49 students)
 AEM 7010, Applied Microeconomics, Fall 2016 (11 students)
 AEM 2500, Environmental and Resource Economics, Fall 2016 (51 students)
 AEM 7010, Applied Microeconomics, Fall 2017 (13 students)
 AEM 2500, Environmental and Resource Economics, Fall 2017 (60 students)
 AEM 7010, Applied Microeconomics, Fall 2018 (24 students)
 AEM 2500, Environmental and Resource Economics, Fall 2018 (72 students)
 AEM 6850, Empirical Methods for Applied Economists, Spring 2019 (18 students)
 AEM 7675, Advanced Grad Research Seminar, Spring 2019 (34 students)
 AEM 2500, Environmental and Resource Economics, Fall 2019 (48+47 students)
 AEM 7010, Applied Microeconomics, Fall 2019 (9 students)
 AEM 7675, Advanced Grad Research Seminar, Spring 2020 (18 students)
 AEM 2500, Environmental and Resource Economics, Fall 2020 (50+55 students)
 AEM 6850, Empirical Methods for Applied Economists, Spring 2020 (10 students)

AEM 2500, Environmental and Resource Economics, Fall 2021 (51+52 students)
AEM 6850, Empirical Methods for Applied Economists, Fall 2021 (22 students)

SERVICE

Department:

Theory competency committee, Applied Economics and Management PhD program, 2014-2020
MS admissions committee, Applied Economics and Management, 2014-2018

University:

Member, Cornell Research Integrity Council, 2025-
Advisory Board Member, Office of Faculty Development and Diversity, 2025-
Affiliated faculty, Environment & Sustainability (cross-college major), 2019-
Advisory board member, Cornell Institute for Climate Smart Solutions, 2016-2019
Member, Food Security Working Group, Atkinson Center for a Sustainable Future, 2018-2020
Faculty adviser, Diversity in Cornell Economics (DICE) graduate student group 2019-2022
Advisory Board Member, Food Systems Needs Advisory Committee, Grow-NY Program, 2020
Member, Steering Committee for California-New York Climate Innovation Highway, 2021

Faculty Senate, 2020-2023 (3-year term).

Working Group F: A Required Educational Program for Faculty, 2020-2021

External:

Member, OECD Network on Agricultural TFP and the Environment, 2019-
Author, Economics Chapter, Sixth National Climate Assessment Report, 2024-2028 (prematurely terminated in 2025)
Board Director, Association of Environmental and Resource Economists, 1/1/2022 - 12/31/2024
Member, National Agricultural Research, Extension, Education, and Economics (NAREEE) Advisory Board, US Department of Agriculture (USDA), 10/2021-10/2023
Member, Agriculture Workgroup of the New York State Climate Impacts Assessment, 2021-2022
Mentor, AERE Scholars Program 2021-2022
Co-organizer, Online Summer Workshop in Environment, Energy, and Transportation (Economics) (OSWEET), 2020-2025
Co-organizer, Global Open Series in Environmental Economics (GOSEE), 2020
Advisory Board Member, Food Systems Needs Advisory Committee, Grow-NY Program, 2020

Editorial

Associate Deputy Editor, Climatic Change, 2021-
Member, Editorial Council, Journal of the Association of Environmental and Resource Economists (JAERE), 2020-
Member, Editorial Advisory Board of the Journal of Wine Economics, 2021-
Member, Executive Editorial Board, Environmental Research: Food Systems, 2023-
Associate Editor, American Journal of Agricultural Economics (AJAE), 2020-2023

EARLY EXPERIENCE

Research Assistant (part-time), Fall 2008–Spring 2010, Summer 2012, Department of Agricultural and Resource Economics, University of Maryland, College Park, MD. Professors Anna Alberini, Richard E. Just, Lars Olson, Rob Williams III and Robert G. Chambers.

Research Intern (full-time), Summer 2003, Agro-ecosystem Management Program, Ohio State University, Wooster, OH. Researched the physical factors influencing agricultural pollution in local watershed.

Field Researcher (full-time), 3/2004–8/2004. Research conducted in rural Kafa Zone,

Ethiopia for Engineering Master's thesis. Involved extensive technical interviews with smallholder farmers. Conducted agro-ecological and agro-economic diagnosis of a small rural region. Surveyed, analyzed and created models of farming systems. Conducted household-level food security assessment. Developed project and policy proposals for the Government and NGOs.

HONORS & AWARDS

- 2021 Climate Change AI NeurIPS2021 Workshop Best Paper Award (category “ML innovation”) for “A GNN-RNN Approach for Harnessing Geospatial and Temporal Information: Application to Crop Yield Prediction” (with Joshua Fan, Junwen Bai, Zhiyun Li and Carla P. Gomes)
- Quality of Research Discovery Award awarded by the AAEA for “The Role of Nonfarm Influences in Ricardian Estimates of Climate Change Impacts on US Agriculture,” 2021 (declined)
- 2020 Outstanding Article Award awarded by the AJAE for “The Role of Nonfarm Influences in Ricardian Estimates of Climate Change Impacts on US Agriculture,” 2021
- Christophe Baron Prize for “How big is the “lemons” problem? Historical evidence from French appellation wines,” at the 13th Annual American Association of Wine Economists, Vienna, Austria, 2019 (paper presented by P. Mérel)
- International Center for Pension Management (IPCM) 2018 Research Award for “Temperature Shocks and Earnings News,” 2018
- Geneva Summit on Sustainable Finance (GSSF) 2018 Best Paper Award, “Temperature Shocks and Earnings News,” 2018
- Finalist, World Bank Big Data Innovation Challenge, 2017 (see [here](#))
- University of Maryland Distinguished Dissertation Award (Social Sciences), 2014, recognizes original work that makes an unusually significant contribution to the discipline
- Admitted to Young Professionals Program, World Bank, 2013 (declined to pursue research career)
- Dr. and Mrs. Bill V. Lessley Award for Dissertation Excellence, 2013, awarded to the author of the best dissertation in the Department of Agricultural & Resource Economics, University of Maryland
- International Conference Student Support Award, 2013, University of Maryland's Office of the President and the Graduate School
- Distinguished Teaching Assistant Award, 2011–2012, University of Maryland's Center for Teaching Excellence and the Graduate School
- Jacob K. Goldhaber Travel Grant, 2012, University of Maryland's Graduate School
- Grant from the European Association of Environmental and Resource Economists (EAERE) to participate in the Belpasso International Summer School "Extremes: Natural Disasters in Changing Climate", 4-10 September 2011, Belpasso, Italy
- Distinguished Teaching Assistant Award, 2010–2011, University of Maryland's Center for Teaching Excellence and the Graduate School
- The Bessie H. Devault Award, 2010, awarded to the author of the best paper by a second- year graduate student in the Department of Agricultural & Resource Economics, University of Maryland.
- Syracuse University Graduate Fellow, 2005–2006.
- Placed 3rd in national entrance exam to French “Grandes Ecoles” of agronomy, 2001 (see [here](#)).

GRANTS

1. National Science Foundation, project 1360424. “Impacts of Climate Change on the Phenology of Linked Agriculture-Water Systems.” Collaborative Research with 7 co-PIs at 3 other institutions; Total award amount: \$1.8M. Award amount managed by AOB: \$330,000 approx. Period: 2014-2018.
2. Cornell Institute for Social Science (ISS) small grant. Title: “Can public institutions resolve information asymmetries? Historical evidence from the French wine market.” Award amount: \$10,000. Period: 2014-2015.

3. USDA National Institute of Food and Agriculture, Hatch/Multi State project 101155 “Impact Analysis and Decision Strategies for Agricultural Research”. Award amount: \$137,500. 2016-2021
4. USDA National Institute of Food and Agriculture, Hatch project 1017421 “A Near Real-Time Crop Yield Forecasting System for the Eastern United States”. Award amount: \$105,000. 2018-2021
5. USDA National Institute of Food and Agriculture, INFEWS project 1855984 “[Agricultural-to-Energy Land Use Transitions: A FEW System Modeling Framework](#)”. Research with 5 other co-PIs. Total award amount: \$2.4M. Award amount managed by AOB: \$350,000 approx. Period: 2019-2021.
6. USDA cooperative agreement 58-6000-9-0041 “Development of an Empirical Multi-Scale Agricultural Forecast Model”, Award amount: \$16,193. Period: 2020.
7. USDA National Institute of Food and Agriculture AFRI, project #TBD, “Evolving agricultural credit markets and resilience of the US farm sector”. Co-PI; Total award amount: \$500,000 approx. Period: 2021-2023.
8. USDA National Institute of Food and Agriculture AFRI, project #TBD, “R&D and agricultural productivity in a changing climate”. Project Director. Total Award: \$500,000 approx. Period: 2021-2023.

CONFERENCES AND SEMINARS (past and scheduled)

1. “Improving Agronomic Structure in Econometric Models of Climate Change Impacts,” paper presented at the AAEA & NAREA Joint Annual Meeting, Pittsburgh, July 24–26 2011.
2. “Toward More Transparency in Climate Change Impact Assessment for Agriculture” (with Richard E. Just), paper presented at the 2012 AAEA’s session’ on “Assessment of Climate Change Impact Methods for Agriculture,” ASSA meetings, Chicago, Illinois, January 6, 2012.
3. “Moisture and Heat Interactions in Yield Response Models,” paper presented at the AERE Annual Meeting, Asheville, North Carolina, June 3-5, 2012.
4. “A Biophysical Framework for Time-Aggregation of Weather in Yield Response Models,” poster presented at the AAEA Annual Meeting, Seattle, Washington, August 12-14, 2012.
5. “Understanding Heat and Moisture Interactions in the Economics of Climate Change Impacts and Adaptation on Agriculture,” paper presented at the AERE Annual Meeting, Banff, Ontario, Canada, June 3-5, 2013.
6. “Unpacking Temperature and Moisture Effects on US Corn Yields for Climate Change Impact Assessment,” paper presented at the AAEA Annual Meeting, Washington, DC, August 4-6, 2013
7. “Climatic Constraints of US Growing Seasons,” paper presented at the AAEA Annual Meeting, Minneapolis, MN, July 27-29, 2014.
8. “Climate Change Impacts on US Agriculture: Accounting for the Option Value of Farmland in the Hedonic Approach,” paper presented at the ASSA-AERE meetings, Boston, MA, January 3-5, 2015.
9. “Climate Change Impacts on US Agriculture: Accounting for the Option Value of Farmland in the Hedonic Approach,” paper presented at the AERE Summer Conference, San Diego, CA, June 3-5, 2015.
10. “Climate Change Impacts on US Agriculture: Accounting for the Option Value of Farmland in the Hedonic Approach,” paper presented at the AAEA Summer Conference, San Francisco, CA, July 26-28, 2015.
11. “Climate Change Impacts on US Agriculture: Accounting for the Option Value of Farmland in the Hedonic Approach,” paper presented at the NAREA Summer Conference, Newport, RI, June 28-30, 2015.
12. “Accounting for Omitted Spatial Dependence in the Hedonic Approach,” paper presented at the ASSA-AERE meetings, San Francisco, CA, January 3-5, 2016.
13. “Measurement Error, Extreme Temperature and Climate Change Impacts,” paper presented at the AAEA Summer Conference, Boston, MA, July 31-August 2, 2016.
14. Purdue (Agricultural Economics), West Lafayette, IN, February 17, 2017
15. USDA Multi-state Research Project NC-1034 "Impact Analyses and Decision Strategies for Agricultural Research" annual research conference on Food, Energy, Environment, and Economics, Tucson, AZ, February 24-25, 2017

16. Workshop “Advances in Estimating Economic Effects from Climate Change Using Weather Observations” organized by Charles Kolstad and Frances Moore, Stanford, CA, May 18-19, 2017
17. AERE summer meetings. Pittsburgh, PA, June 2, 2017
18. USDA ERS. Washington, DC, June 7, 2017
19. EPA NCEE. Washington, DC, June 8, 2017
20. Northeast Workshop on Energy Policy and Environmental Economics, Dartmouth College, Hanover, NH, June 13-14, 2017
21. “The Economic Impacts of Climate Change on Agriculture: Accounting for Time-invariant Unobservables in the Hedonic Approach,” AAEA summer meetings. Chicago, IL, July 30-August 1, 2017
22. “U.S. maize Yield Growth and Countervailing Climate Change Impacts,” AAEA summer meetings. Chicago, IL, July 30-August 1, 2017
23. “The Role of Climate in U.S. Agricultural Productivity Growth,” AAEA summer meetings. Chicago, IL, July 30-August 1, 2017
24. Kansas State University (Ag Econ), Spring 2018
25. ICARB Pre-conference workshop multi-state project NC-1034, The World Bank, June 12, 2018, Washington, DC
26. TWEEDS Workshop. Portland, OR, March 2019
27. AERE summer meetings. Lake Tahoe, NV, May 2019
28. AAEA summer meetings. Atlanta, GA, July 2019
29. Panelist, Heartland Environmental and Resource Economics Workshop at Illinois, September 2019
30. OECD Network on Agricultural Total Factor Productivity and the Environment, University of Maryland, College Park, MD, October 2019
31. Arizona State University (SPGS), Tempe, AZ, December 2019
32. University of Arizona, Tucson, AZ, December 2019
33. Big Ag Data Conference 2020, UC Giannini Foundation of Agricultural Economics, Davis, CA, January 11, 2020
34. TREE seminar at NC State/Duke/RTI, Durham, NC, March 2020
35. State University of New York (Economics), Albany, NY, April 2020 (postponed due to COVID-19)
36. AERE summer meetings (online). June 2020
37. EAEE summer meetings (online). July 2020
38. Cornell Department of Natural Resources (online). September 15 2020
39. Michigan State University (AFRE, online). September 24 2020
40. VIII Catedra de Economia del Caribe, Universidad del Norte (Colombia, online). October 30 2020
41. University of Connecticut (Econ, online), November 9 2020
42. Virginia Tech (AAEC, online), November 18 2020
43. UC Berkeley (ARE, online), November 19 2020
44. Oregon State University (Applied Economics, online), November 20 2020
45. AERE@SEA (online), November 22 2020
46. AGU (online), December 8 2020
47. Auburn University (AERS, online), April 19 2020
48. American Society of Hispanic Economists, October 28, 2021
49. Cornell, SIPS, November 4, 2021
50. UW-Madison AAE, November 19, 2021
51. Online Agricultural and Resource Economics Seminar (#OARES), December 8, 2021
52. UC Berkeley (ARE), December 10, 2021
53. Institute of Technology Tirupati, February 11, 2022
54. The World Bank (Agricultural Policies Community of Practice BBL), February 23, 2022
55. Workshop “Food Security Strategies for a Changing World”, Cornell University, April 7, 2022
56. 2022 U.S.-China Agriculture Roundtable: Thinktank Dialogue “Rural Prosperity and Climate Change” (virtual), April 7, 2022
57. IMF-WB joint research seminar in climate economics, October 6, 2022
58. Australian National University, Australia, May 30, 2023
59. University of Wollongong, Australia, June 1, 2023

60. University of Adelaide, Australia, June 30, 2023
61. Lincoln University, New Zealand, July 3, 2023
62. Stanford University (FSE), December 11, 2023
63. AARES conference, Canberra, Australia, February 7, 2024
64. Monash University, Melbourne, Australia, February 15, 2024
65. Arizona State University, AZ, February 21 2024
66. University of Arizona, AZ, February 23 2024
67. UC Davis, CA, March 14, 2024
68. Santa Clara University, CA, April 10, 2024
69. University of San Francisco, CA April 18, 2024
70. Montana State University, MT, May 3, 2024
71. Agriculture and climate change workshop, Harvard University, May 16, 2024
72. Sustainability Research Seminar, Inter-American Development Bank, May 22, 2024
73. ICARB, Ravello, Italy, June 12, 2024
74. EWEPA, Faro, Portugal, June 21, 2014
75. EC Joint Research Center, Sevilla, Spain, July 8, 2024
76. SUFE, Shanghai, China, July 24, 2024
77. OECD TFPN, online, April 28, 2025
78. Paris-Saclay Applied Economics, Paris, France, June 10, 2025
79. AAEA, Denver, CO, July 28, 2025
80. Central Bank of Colombia, online, September 5, 2025
81. University of Oklahoma, online, November 14, 2025

SELECT NON-RESEARCH TALKS

- Panelist, “Cross-cultural communication with practiced presenters”, part of a student-organized symposium “Speaking Economics”. August 19, 2019 in Ithaca, NY.
- Speaker, “What Does Climate Change Mean for NY Agriculture?”, 2020 Agricultural and Food Business Outlook Conference. January 17, 2020 in Ithaca, NY.
- Speaker, “Has anthropogenic climate change already affected global agricultural productivity?”, New York State Association for Food Protection 98th Annual Meeting. September 2020.
- Panelist, New Faculty Orientation Research Panel – Social Sciences, Cornell University, August 18, 2020.
- Panelist, AAEA Graduate Student Session on “Navigating Stress, Diversity, and Inclusion in Agricultural Economics”, August 19, 2020.
- NY State association for Food Protection (NYSAFP) Annual Conference, “Has anthropogenic climate change already affected global agricultural productivity?”, September 25, 2020
- National Academies of Sciences, Engineering, and Medicine (NASEM) planning meeting, “Influence of Climate Change on Agricultural Production and Food Availability” October 20 2020
- Grow-NY Food and Ag Summit, fireside chat with Julie Suarez on “Changing Climate Changing Farms” (online). November 17 2020. YouTube link [here](#).

PROFESSIONAL ORGANIZATIONS

American Economic Association (AEA), 2013-
 Agricultural and Applied Economics Association (AAEA), 2009-
 Association of Environmental and Resource Economists (AERE), 2010-
 European Association of Environmental and Resource Economists (EAERE), 2011
 Northeastern Agricultural and Resource Economics Association (NAREA), 2012, 2015-

Latin American Association of Environmental and Resource Economists (LAERE), 2020-
American Society of Hispanic Economists (ASHE), 2020-

Referee activities:

American Economic Journal: Applied Economics; American Journal of Agricultural Economics; Agricultural and Resource Economics Review; Climate Change Economics; Climatic Change; Environmental and Resource Economics; Environmental Research Letters; Food Policy; Journal of Agricultural and Applied Economics; Journal of Agricultural and Resource Economics; Journal of Applied Econometrics; Journal of the Association of Environmental and Resource Economists; Journal of Environmental Economics and Management; Journal of the European Economic Association; Journal of Political Economy; Latin American Economic Review; Nature Climate Change; Nature Food; Proceedings of the National Academy of Sciences; Quantitative Economics; Resource and Energy Economics; Review of Financial Studies; Science Advances; Science

Invited editor: *Proceedings of the National Academy of Sciences*

External reviews, grant & panel reviews:

NSF Decision, Risk, and Management Sciences program, 2015

USDA AFRI Environmental and Natural Resource Economics Program, 2016, 2021

European Research Council (ERC) Starting Grant, 2017

GRADUATE STUDENTS

Postdocs

- Maria Gerullis (2022-2023)
- Haoying Wang (2014-2017); Assistant Professor at New Mexico Tech
- Osama Sajid (2021-2023); Socio-Economic Specialist at the Hatfield Group, BC, Canada.

PhD students (** indicates chair and * co-chair)

- Ayşegül Kılınç** (Natural Resources)
- Jeisson Prieto** (Applied Economics)
- Jerzy Jaromczyk* (Applied Economics)
- Yurou He** (Applied Economics)
- Luc Esprabens (Applied Economics)
- Yunran Wang (Applied Economics)
- Qingli Fan (Economics), 2025, Economist, Amazon
- Tong Wu (Applied Economics), 2025, Researcher, Natural Resources Institute Finland
- Trinh Pham (Applied Economics), 2024, Assistant Professor, Korea Development Institute
- Zhiyun Li* (Applied Economics), 2023, Economist, UCLA Anderson Forecast
- David Frederick Gold (Civil and Environmental Engineering), 2022, Postdoctoral Associate, Cornell University
- Steven Wilcox (Applied Economics), 2022, Assistant Professor, Utah State University
- Sylvia Blom (Applied Economics), 2021, Postdoctoral Fellow, University of Notre Dame
- Lin Yang (Applied Economics), 2021, Assistant Professor of Urban Governance and Design at the Society Hub of Hong Kong University of Science and Technology (Guangzhou).
- Xiaolu (Grace) Li, (Earth and Atmospheric Sciences), 2019

MS students (** indicates chair)

- Zhuoyan Han** (Applied Economics)
- Trent Claessens (Applied Economics)
- Ziyi Lin** (Applied Economics), 2023; PhD student, Cornell University
- Gemma Del Rossi (Applied Economics), 2022; PhD student, UCSB
- Shuxin Liu (Applied Economics)
- Ziqian Song** (Applied Economics)
- Henry Forehand Williams (Applied Economics)
- Qingrun (Justin) Meng (Applied Economics & Management), 2017 (Chairperson); Analyst, Analysis Group, Boston
- Elizabeth Womack (Applied Economics & Management), 2017; Survey Statistician, US Census Bureau
- Linghui Wu (Applied Economics & Management), 2017; PhD Student, University of New Hampshire
- Matthew Utterback** (Applied Economics & Management), 2018; Economist, Transportation Security Administration. Selected second-place winner of the Master's category of the 2018 ICPSR Research Paper Competition "Investigating Weather Shocks and the Farmers' Perceptions of Climate Change in the American Farmland Market."
- Lin Yang (Applied Economics & Management); PhD student in Applied Economics, Cornell University
- Ithipong (Billy) Assaranurak** (Applied Economics & Management), 2019; Data Scientist, Government Big Data Institute of Thailand
- Sangwoo Park** (Applied Economics & Management), 2020
- Jiajun Du (Applied Economics & Management), 2020
- Samuel Porter** (Applied Economics & Management), 2021

LANGUAGES

Spanish (native); French (fluent); English (fluent)