Sisi Meng

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Employment

- **Associate Teaching Professor, Applied Economics and Policy** — **Ithaca, NY**
  Cornell University, SC Johnson College of Business — 07/2025 - Present
  Dyson School of Applied Economics and Management
  Faculty Fellow, Cornell Atkinson Center for Sustainability
- **Assistant Teaching Professor, Economics and Technology for Development** — **Notre Dame, IN**
  University of Notre Dame, Keough School of Global Affairs — 07/2021 - 06/2025
  Core Affiliated Faculty, Pulte Institute for Global Development
  Faculty Fellow, Kellogg Institute For International Studies
  Faculty Fellow, Liu Institute for Asia and Asian Studies
  Faculty Fellow, Lucy Family Institute for Data and Society
  Faculty Fellow, Environmental Change Initiative
- **Visiting Assistant Professor in Economics** — **Notre Dame, IN**
  University of Notre Dame, Keough School of Global Affairs — 07/2018 - 06/2021
- **Assistant Professor Clinical Track** — **Denver, CO**
  University of Colorado Denver, Department of Economics — 08/2016 - 06/2018

Education

- **Florida International University** — **Miami, FL**
  Ph.D. in Economics (Concentration: Environmental and Natural Resource Economics) — 07/2016
  Graduate Certificate in Geographical Information System — 07/2016
  M.A. in Economics — 05/2013
- **University of Illinois at Urbana - Champaign** — **Urbana, IL**
  M.S. in Policy Economics (Concentration: Policy Economics) — 08/2011
- **Capital University of Economics and Business** — **Beijing, China**
  B.S. in Economics (Concentration: International Economics) — 07/2010

Areas of Specialization

Environmental and Natural Resource Economics, Climate Change Adaptation, Disaster Risk Reduction, Sustainable Development, Spatial Econometrics, Geographical Information System (GIS)

Honors and Awards

2026 **Stanley W. Warren Endowment Fund** - Dyson School of Applied Economics and Management, Cornell University

2026 **Curriculum Development and Innovation Fund (CDIF)** - Dyson School of Applied Economics and Management, Cornell University

2026 **Editorial Contribution Award & Author Service Award** - Humanities and Social Sciences Communications, Springer Nature

2024 **Global Policy Impact Grant** - Keough School of Global Affairs, University of Notre Dame

2024 **Faculty Research Grant** - Liu Institute for Asia and Asian Studies, University of Notre Dame

2024 **Course Development Award** - Minor in Sustainability, University of Notre Dame

2023 **Research Impact Award** - Pulte Institute for Global Development, University of Notre Dame
2023 **Justice and Asia Grant** - Liu Institute for Asia and Asian Studies, University of Notre Dame
2022 **Public Health Disaster Research Award** - Natural Hazards Center (NHC), Centers for Disease Control and Prevention (CDC), and the National Science Foundation (NSF)
2022 **ND Women** - Distinguished Chinese Female Professor, Notre Dame Beijing Global Gateway
2021 **Women in Sustainability** - Notre Dame International, University of Notre Dame
2020 **Young Economist and Scholar** - The Economy of Francesco
2020 **Course Development Grant** - Minor in Sustainability Studies, University of Notre Dame
2019 **Faculty Research Seed Grant** - Environmental Change Initiative, University of Notre Dame
2018 **Emerging Scholar Award** - Climate Change: Impacts & Responses Research Network
2017 **Professional Development Grant** - University of Colorado Denver
2015 **Presidential Dissertation Year Fellowship** - Florida International University
2015 **Disaster and Risk Research Travel Award** - Beijing Normal University
2015 **Recognition of Research Excellence** - Florida State Graduate Student Research Symposium
2014 **Graduate Student Research and Travel Award** - Florida International University

Research Grants

- **[External] Collaborative Research: Organizing Decentralized Resilience in Critical Interdependent Infrastructure Systems and Processes (ORDER-CRISP)**
  Role: Co-Principal Investigator & ND Lead PI 01/2019 - 12/2024
  Sponsor: National Science Foundation (NSF), Award #1832693
- **[External] Impact Evaluation of United States Disaster Response (USDR) Program**
  Role: Principle Investigator 03/2022 - 12/2023
  Sponsor: Global Ministries and the United Methodist Committee on Relief (UMCOR)
- **[External] Analyzing Health Impacts of Natural Disasters in Puerto Rico for Promoting Resilience**
  Role: Co-Principle Investigator 11/2022 - 08/2023
  Sponsor: Public Health Disaster Research Award Program, Natural Hazards Center, Centers for Disease Control and Prevention (CDC), and National Science Foundation (NSF)
- **[Internal] Developing Student-Led Impact Research through Community Partnership**
  Role: Principle Investigator 07/2026 - 06/2027
  Sponsor: Dyson School of Applied Economics and Management, Cornell University
- **[Internal] Bridging Research and Policy for Enhancing Disaster Resilience**
  Role: Principle Investigator 11/2024 - 06/2025
  Sponsor: Global Policy Impact Grant, Keough School of Global Affairs, University of Notre Dame
- **[Internal] Wind Energy Harvesting and Community Acceptance**
  Role: Co-Mentor 07/2022 - 06/2024
  Sponsor: ND Energy & ND Environmental Change Initiative Postdoctoral Fellowship
- **[Internal] Decent Work, Environmental Justice, and Fukushima**
  Role: Co-Principle Investigator 01/2023 - 12/2023
  Sponsor: Justice and Asia Grant, Liu Institute for Asia and Asian Studies
- **[Internal] Socio-Environmental Impacts of Wind Farms on Crop Yields**
  Role: Principal Investigator 03/2019 - 06/2022
  Sponsor: Faculty Seed Grant, Notre Dame Environmental Change Initiative (ECI)

Publications

(Note: [@] for graduate student, [†] for postdoctoral appointees, and [*] for corresponding author)

- **Journal Articles (Published)**
  - **Meng, S.***, Jiang, F.*, Mehrnoosh, A., Halim, N. & Mozumder, P. (2026). Hurricane Exposure, Structural Vulnerability, and Insurance Gaps Drive Property Damage After Superstorm Sandy. *Scientific Reports*. https://doi.org/10.1038/s41598-026-59652-y
  - Eisenman, J*. & **Meng, S.*** (2026). Measuring the Rise and Fall of Countries: The Comprehensive National Power Index. *The Chinese Journal of International Politics*, 19(3): 237-258. https://doi.org/10.1093/cjip/poag006
  - Mozumder, P., Rodríguez-Figueroa, L., Quiles-Miranda, M., Manandhar, B.*, **Meng, S.** & Halim, N. (2026). Disaster Impact and Health System Resilience: A Case Study of Hurricane Maria in Puerto Rico. *Disaster Medicine and Public Health Preparedness*, 20: e91. https://doi.org/10.1017/dmp.2026.10346
  - Li, Y.[@] & **Meng, S.***. (2026). From Policy to Progress: How Stringent Environmental Policies Drive Global Energy Transitions. *Climate*, 14(2): 30. https://doi.org/10.3390/cli14020030
  - Brodeur et al. (2026). AI-assisted Teams Outperform AI-led Teams But Not Human-only Teams in Assessing Research Reproducibility in Quantitative Social Science. *Proceedings of the National Academy of Sciences*, 123(22): e2524747123. https://doi.org/10.1073/pnas.2524747123
  - Su, D.[@], Cao, Y.*, Wang, J., Dong, X. & **Meng, S.*** (2025). Evaluation of City Function Structure and Heterogeneous Relationships with Environmental Pollution. *Environmental Research Letters*, 20: 104009. https://doi.org/10.1088/1748-9326/adfceb
  - Rafi, S.[†]*, Santos, J., **Meng, S.** & Mozumder, P. (2025). Extreme Weather Events and Critical Infrastructure Resilience: Lessons from Hurricane Irma in Florida. *Reliability Engineering & System Safety*, 265(A):111471. https://doi.org/10.1016/j.ress.2025.111471
  - **Meng, S.***, Wang, W.[@] & Zhang, K*. (2025). Beyond Wind and Rainfall: Insights into Hurricane Helene Fatalities with the National Risk Index. [Collection: Systemic Risk Induced by Natural Hazards]. *npj Natural Hazards*, 2: 38. https://doi.org/10.1038/s44304-025-00094-3
  - Sulaimanov, A.[@], Shi, M.[@], Wang, A.[@] & **Meng, S.*** (2025). Environmental Justice Implications of Hydraulic Fracking: A Spatio-Temporal Analysis in Texas. *Journal of Environmental Management*, 380: 124771. https://doi.org/10.1016/j.jenvman.2025.124771
  - Khan, M., Halim, N., Mozumder, P. & **Meng, S.*** (2025). Understanding Evacuation Behavior During Cyclones: Evidence from Bangladesh. *Economics of Disasters and Climate Change*, 9: 107-133. https://doi.org/10.1007/s41885-024-00157-1
  - **Meng, S.***, Chang, L.[@] & Mozumder, P. (2024). Rising Waters, Divergent Perspectives: Understanding Sea Level Rise Concerns and Gender Differences. *Ocean & Coastal Management*, 258: 107393. https://doi.org/10.1016/j.ocecoaman.2024.107393
  - Halim, N., Jiang, F., **Meng, S.**, Mozumder, P.* & Yao, C. (2024). Traveling for Safety: Price and Income Elasticities of Hurricane Evacuation Behavior. *Transportation Research Record*. https://doi.org/10.1177/03611981241292593
  - **Meng, S.*** (2024). Environmental Governance is Critical for Mitigating Human Displacement due to Weather-related Disasters. [Collection: Human Mobility and Environmental Change]. *Communications Earth & Environment*, 5: 363. https://doi.org/10.1038/s43247-024-01528-y
  - **Meng, S.*** & Kozybay, Z.[@] (2024). A Spatial-Temporal Analysis of Income Inequality and Wind Energy Development in the U.S. [Special Issue: Achieving the Sustainable Development Goals: The Central Role of Energy]. *World Development Sustainability*, 4:100129. https://doi.org/10.1016/j.wds.2024.100129
  - **Meng, S.***, Halim, N., Mahesh A. & Mozumder, P. (2024). Understanding Household Evacuation Preferences Amid the COVID-19 Pandemic in Puerto Rico. *Safety Science*, 171:106405. https://doi.org/10.1016/j.ssci.2023.106405
  - Guo, C.[@], Ge, E., Yu, M., Li, C., Lao, X., Li, S., Glaser, J., He, Y., Almeida-Silva, M., **Meng, S.**, Su, W. C., Zhang, J., Lin, S. & Zhang, K*. (2024). Impact of Heat on Emergency Hospital Admissions Related to Kidney Diseases in Texas: Uncovering Racial Disparities. *Science of The Total Environment*, 909: 168377. https://doi.org/10.1016/j.scitotenv.2023.168377
  - Rafi, S.[†]*, **Meng, S.**, Santos, J. & Mozumder, P. (2024). Extreme Weather Events and the Performance of Critical Utility Infrastructures. *Economics of Disasters and Climate Change*, 8:33-60. https://doi.org/10.1007/

s41885-023-00139-9

- Santos, J.*, **Meng, S.** & Mozumder, P. (2024). Integrating Household Survey With Inoperability Input–Output Model of Critical Infrastructure Systems: A Case Study of Hurricane Sandy. *Risk Analysis*, 44(7):1716-1729. https://doi.org/10.1111/risa.14257
- Jiang, F., **Meng, S.***, Khan, M., Halim, N. & Mozumder, P. (2023). Estimating Willingness to Pay and Costs Associated with Hurricane Evacuation. *Transportation Research Part D: Transport and Environment*, 121: 103826. https://doi.org/10.1016/j.trd.2023.103826
- **Meng, S.*** & Mozumder, P. (2023). Spatial Heterogeneity of Preferences for Sea-level Rise Adaptation: Empirical Evidence from Yearlong and Seasonal Residents in Florida. *Climate Risk Management*, 40: 100515. https://doi.org/10.1016/j.crm.2023.100515
- Baldos, U. L. C., Chepeliev, M., Cultice, B., Huber, M., **Meng, S.**, Ruane, A. C., Suttles, S. & van der Mensbrugghe, D.* (2023). Global-to-Local-to-Global Interactions and Climate Change. *Environmental Research Letters*, 18(5): 053002. https://doi.org/10.1088/1748-9326/acc95c
- Cheng, E. & **Meng, S.*** (2023). The Spatial Distribution of Religious Organizations in the United States and their Socioeconomic Characteristics. *Applied Spatial Analysis and Policy*, 16: 789-812. https://doi.org/10.1007/s12061-022-09491-x
- Gurney, R. M.†*, **Meng, S.**, Rumschlag, S.† & Hamlet, A. F. (2022). The Influences of Political Affiliation and Weather-Related Impacts on Climate Change Adaptation in U.S. Cities. *Weather, Climate, and Society*, 14(3): 919-931. https://doi.org/10.1175/WCAS-D-21-0030.1
- Mehrabi, Z.*, Delzeit, R., Ignaciuk, A., Levers, C., Braich, G., Bajaj, K., Amo-Aidoo, A., Anderson, W., ... **Meng, S.**, ... & You, L. (2022). Research Priorities for Global Food Security Under Extreme Events. *One Earth*, 5(7): 756-766. https://doi.org/10.1016/j.oneear.2022.06.008
- Jiang, F., **Meng, S.***, Halim, N. & Mozumder, P. (2022). Departure Timing Preference During Extreme Weather Events: Evidence from Hurricane Evacuation Behavior. *Transportation Research Record*, 2676(5): 358-372. https://doi.org/10.1177/03611981211066901
- **Meng, S.*** & Mozumder, P. (2021). Hurricane Sandy: Damages, Disruptions, and Pathways to Recovery. *Economics of Disasters and Climate Change*, 5: 223-247. https://doi.org/10.1007/s41885-021-00082-7
- Halim, N., Jiang, F.*, Khan, M., **Meng, S.** & Mozumder, P. (2021). Household Evacuation Planning and Preparation for Future Hurricanes: Role of Utility Service Disruptions.*Transportation Research Record*, 2675(10): 1000-1011. https://doi.org/10.1177/03611981211014529
- Acevedo, M.*, Pixley, K., Zinyengere, N., **Meng, S.**, Tufan, H., Cichy, K., Bizikova, L., Isaacs, K., Ghezzi-Kopel, K. & Porciello, J. (2020). A Scoping Review of Adoption of Climate-resilient Crops by Small-scale Producers in Low- and Middle-income Countries. [Collection: Sustainable solutions to end hunger]. *Nature Plants*, 6: 1231-1241. https://doi.org/10.1038/s41477-020-00783-z
- Vasquez, W. F.*, Murray, T. J., **Meng, S.** & Mozumder, P. (2018). Risk Perceptions of Future Hurricanes: Survey Evidence from the Northeastern and Mid-Atlantic United States. *Natural Hazards Review*, 19(1): 04017026. https://doi.org/10.1061/(ASCE)NH.1527-6996.0000260

○ Other Publications

- **Meng, S.**, Khatiwada, L., Perrin, P., Kperogi, M. & Jones, Amihan. (2023). Promoting Community Resilience: Impact Evaluation of the U.S. Disaster Response Program. *Pulte Institute for Global Development, Policy Brief Series,* No.19. University of Notre Dame. Available at: Link
- Mozumder, P., Rodríguez-Figueroa, L., Quiles-Miranda, M., Manandhar, B., **Meng, S.** & Halim, N. (2023). Assessing Impacts of Hurricane Maria for Promoting Healthcare Resilience in Puerto Rico. *Natural Hazards Center Public Health Disaster Research Report Series*, 32. University of Colorado Boulder. Available at: Link
- Kozybay, Z.@ & **Meng, S.** (2022). Don't Look Up! Look Around. *Keough School Dignity & Development Blog*, published on June 17, 2022. Available at: Link
- **Meng, S.** (2021). Mapping Multiple Crises through the Geographic Information System. *Keough School Dignity & Development Blog*, published on January 28, 2021. Available at: Link
- **Meng, S.** (2010). An Open Call for Deregulation and Promoting Competition in China's Monopolistic Industries, in Chinese, *China Business Times*, published on May 24, 2010.
- **Meng, S.** (2010). The Essential Role of Intellectual Property for Chinese Businesses, in Chinese, *China Business Times*, published on April 26, 2010 (World Intellectual Property Day).

Policy & Practice Experiences

- **Advisory Board Member, OECD** 02/2026 - Present
  (Organisation for Economic Co-operation and Development)
  Project: "Individuals' Preferences for Measures and Policies to Adapt to Climate Threats (IMPACT)"
  - *IMPACT is a cross-country survey designed to assess citizens' preferences regarding climate change adaptation.*
- **Lead Faculty Researcher, Ministry of Education Nuevo León, Mexico** 09/2025 - Present
  Project: "Evaluating Dual Education Program for Promoting Social Mobility"
  - *Student-faculty collaborative research project evaluating social mobility through the Dual Education Program by Ministry of Education Nuevo León, Mexico*
- **Lead Researcher, Pulte Institute for Global Development** 03/2022 - 06/2025
  Project: "Promoting Community Resilience: Impact Evaluation of the U.S. Disaster Response Program"
  - *The project evaluates the United States Disaster Response (USDR) activities by Global Ministries and the United Methodist Committee on Relief (UMCOR), aimed at providing relief and recovery services to households and communities impacted by natural disasters.*
  - *Field survey experiences: Puerto Rico, Mississippi, South Carolina*
- **Faculty Researcher, Liu Institute for Asia and Asian Studies** 01/2023 - 12/2023
  Project: "Decent Work, Environmental Justice, and Fukushima"
  - *Student-faculty collaborative research project examining resiliency after the 2011 Fukushima triple disaster within the context of environmental justice.*
- **Researcher, Public Health Disaster Research Award Program** 11/2022 - 08/2023
  Project: "Analyzing Health Impacts of Natural Disasters in Puerto Rico for Promoting Resilience"
  - *The program, funded by Natural Hazards Center, is designed to support public health, social science, and interdisciplinary research that can contribute actionable recommendations to improve public health interventions.*
- **Researcher, GLASSNET Climate Change Working Group, Purdue University** 04/2022 - 04/2023
  Project: "Managing the Global Commons: Sustainable Agriculture and Use of the World's Land and Water Resources in the 21st Century"
  - *GLASSNET aims to promote world-changing research by cultivating a global community of practice around the open-source analysis of the global-to-local-to-global (GLG) linkages underpinning global sustainability.*
- **Researcher, Extreme Events - Building Climate Resilient Societies** 10/2021 - 07/2022
  Project: "Research Priorities for Extreme Events and Global Food Security"
  - *An expert elicitation team led by researchers at the Kiel Institute for the World Economy, the Food and Agriculture Organization (FAO), and the University of British Columbia.*
- **Reviewer, United Nations Development Programme (UNDP)** 03/2022 - 04/2022
  Reviewed background papers contributing to the Special Report on Human Security for the Human Development Report Office of the UNDP.
- **Researcher, Ceres2030 Sustainable Solutions to End Hunger** 06/2019 - 12/2020
  Project: "What Leads Farmers in Climate-vulnerable Countries to Adopt Climate-resilient Crops?"
  - *Ceres2023, a partnership between Cornell CALS, the International Food Policy Research Institute (IFPRI), and the International Institute of Sustainable Development (IISD), is a collective endeavor aimed at supporting the international effort to end hunger and exploring the role foreign aid donors can play in supporting this effort effectively.*
- **Research Assistant, International Hurricane Research Center at FIU** 08/2014 – 07/2016
  Project: "Investigating Socio-economic Impacts of a Recent Hurricane and Understanding Perceptions of Coastal Vulnerability."
  - *Funded by National Science Foundation (NSF) and Florida Division of Emergency Management (DEM).*
- **Assistant Editor, China Business Times, China** 01/2010 – 07/2010
  Wrote several business reports covering the Beijing Financial Summit, the 13th China High-Tech Expo, and conferences held by the Association of Industry and Commerce in China.

- **Research Assistant, Chinese Academy of Social Sciences (CASS), China** 06/2008 – 08/2009
  Project: "Poverty and Growth: Re-examining Labor in Indian and Chinese Development"
  - *CASS is a leading Chinese education & research institute and think tank in the fields of philosophy and social sciences.*

Conferences and Workshops

- **Invited Talks**
  - Panelist. Science for an Inclusive, Safe, and Sustainable World: Actions of IRDR Global Community. *2024 The International Research on Disaster Risk (IRDR) Conference*. (Oct 22-24, 2024. Beijing, China)
  - Research Presentation. "Strengthening Community Resilience to Natural Disasters & The Role of Organizations." *GFZ German Research Centre for Geosciences*. (Oct 20, 2022. Potsdam, Germany)
  - Research Presentation. "Critical Infrastructure Resilience in the Presence of Hurricanes and Household Impacts." *54th North American Power Symposium (NAPS) NSF-sponsored Workshop on "Power Systems Resilience during Extreme Weather", University of Utah*. (Oct 9, 2022. Salt Lake City, UT)
  - Climate Change Panelist. *GLASSNET Conference 2022 on "Managing the Global Commons: Sustainable Agriculture and Use of the World's Land and Water Resources", Purdue University.* (Apr 7-8, 2022. West Lafayette, IN)
  - Research Presentation. "Economic Aspects of Climate Change Adaptation and Disaster Risk Reduction." *The Children's Environmental Health Initiative (CEHI), University of Notre Dame*. (Nov 15, 2021. Notre Dame, IN)
  - Climate Change Panelist. Panel Discussion on Climate Change Attribution, *Global Climate Change Week at the University of Dayton*. (Oct 21, 2021. Virtual)
  - Paper Presentation. "Household Preferences for Sea Level Rise Adaptation Plan in Florida." *Brown Bag Seminar Series, Notre Dame Environmental Change Initiative (ND-ECI)*. (Mar 27, 2019. Notre Dame, IN)
  - Paper Presentation. "Household Preferences for Sea Level Rise Adaptation Plan in Florida." *Seminar Series, Department of Earth and Environment, Florida International University.* (Mar 25, 2016. Miami, FL)
- **Conference Presentations**
  - Paper Presentation. "Competing Risks and Public Concern in the Era of Climate Change – Evidence from China." *2nd International Conference on Climate Leadership*. (Aug 18-20, 2026. Harbin, China)
  - Paper Presentation. "COVID-19 Pandemic Versus Natural Disasters: A Comparative Analysis of Workforce Disruptions." *Society for Risk Analysis, Annual Meeting*. (Dec 7-10, 2025. Washington DC)
  - Paper Presentation. "Investigating the Role of Green Infrastructure in Mitigating Health Impacts of Extreme Heat." *The National Sustainability Society, 2nd Annual Meeting*. (Oct 20-22, 2025. Notre Dame, IN)
  - Poster Presentation. "Reinventing the Global Computing-Energy-Land Nexus to Integrate Artificial Intelligence into Climate Action." *The RISE AI Conference, Lucy Family Institute for Data & Society, University of Notre Dame*. (Oct 6-8, 2025. Notre Dame, IN)
  - Invited Panel Discussant. "Environmental Justice and Environmental Harm" *The Midwest Political Science Association Annual Conference*. (Apr 3-6, 2025. Chicago, IL)
  - Advisor & Student Paper Presentation Competition. "The Sea is Rising, Are We Moving?" *88th Annual Meetings of the Midwest Economic Association*. (Mar 22-24, 2024. Chicago, IL)
  - Paper Presentation. "Analyzing Health Impacts of Natural Disasters in Puerto Rico for Promoting Resilience." *2023 Public Health Disaster Research Award Public Webinar, Natural Hazards Center*. (Aug 3, 2023. Virtual)
  - Paper Presentation. "Analyzing Health Impacts of Natural Disasters in Puerto Rico for Promoting Resilience." *48th Annual Natural Hazards Workshop Researchers Meeting*. (Jul 12-13, 2023. Bloomfield, CO)
  - Poster Presentation. "A Neural Differentiable Framework for Efficient Simulation and Rapid Optimization of Energy Harvesters." *American Geophysical Union, Fall Meeting 2022*. (Dec 12-16, 2022. Chicago, IL)
  - Paper Presentation. "COVID-19 Pandemic Versus Natural Disasters: A Comparative Analysis of Workforce Disruptions." *47th Annual Natural Hazards Workshop Researchers Meeting*. (Jul 13-14, 2022. Virtual)
  - Paper Presentation. "Understanding Mental Health Challenges Following Hurricane Harvey." *47th Annual Natural Hazards Workshop Researchers Meeting*. (Jul 13-14, 2022. Virtual)
  - Paper Presentation. "Hurricane and Performance of Critical Utility Infrastructures: Inoperability-Based Input-Output Modeling." *47th Annual Natural Hazards Workshop Researchers Meeting*. (Jul 13-14, 2022. Virtual)
  - Poster Presentation. "Understanding Hurricane Evacuation Decision Consistency During a Pandemic: A

Comparative Analysis Between Evacuation Scenarios of Hurricane Irma and COVID-19." *The Transportation Research Board 101st Annual Meeting*. (Jan 9-13, 2022. Washington, D.C.)

- Paper Presentation. "Understanding Household Evacuation Preferences Amid the COVID-19 Pandemic in Puerto Rico." *46th Annual Natural Hazards Workshop Researchers Meeting*. (Jul 14-15, 2021. Virtual)
- Paper Presentation. "Understanding Public Risk Perceptions of Sea-level Rise and Its Possible Impacts in Florida." *13th International Conference on Climate Change: Impacts & Responses*. (Apr 8-9, 2021. Virtual)
- Paper Presentation. "Understanding Household Evacuation Preference Amid the COVID-19 Pandemic in Puerto Rico." *Eastern Economic Association, 47th Annual Meeting*. (Feb 25-28, 2021. Virtual)
- Paper Presentation. "Utility Service Disruptions and Evacuation Planning for Future Hurricanes." *Society for Risk Analysis, 2020 Annual Meeting*. (Dec 13-17, 2020. Virtual)
- Paper Presentation. "The Determinants of Property Damage: Evidence from Hurricane Sandy." *45th Annual Natural Hazards Workshop Researchers Meeting*. (Jul 15-16, 2020. Virtual)
- Paper Presentation. "Quantifying Global Shocks to Self-Assessed Household Food Insecurity." *American Geophysical Union, Fall Meeting 2019*. (Dec 9-13, 2019. San Francisco, CA)
- Poster Presentation. "Toward A More Comprehensive and Integrative Approach to Multidisciplinary Food Insecurity Research." *American Geophysical Union, Fall Meeting 2019*. (Dec 9-13, 2019. San Francisco, CA)
- Paper Presentation. "Utility Service Disruptions and Evacuation Planning for Future Hurricanes." *44th Annual Natural Hazards Workshop Researchers Meeting.* (Jul 17-18, 2019. Bloomfield, CO)
- Paper Presentation. "Spatial Heterogeneity and Household Preferences for Sea Level Rise Adaptation Plan in Florida." *10th International Conference on Climate Change: Impacts & Responses*. (Apr 20-21, 2018. Berkeley, CA)
- Session Chair & Paper Presentation. "Understanding Non-Evacuation Behavior in Urban Areas During Major Hurricanes." *Eastern Economic Association, 44th Annual Meeting*. (Mar 1-3, 2018. Boston, MA)
- Paper Presentation. "Willingness To Pay and Determinants of Household Choice for Sea Level Rise Adaptation Plan." *Southern Economic Association, 85th Annual Conference*. (Nov 21-23, 2015. New Orleans, LA)
- Poster Presentation. "Understanding Household Choices for Sea Level Rise Adaptation Plan." *2015 Rising Seas Summit*. (Nov 3-5, 2015. Boston, MA)
- Paper Presentation. "The Determinants of Property Damage: Evidence from Hurricane Sandy." *Western Economic Association International, 90th Annual Conference.* (Jun 28 - Jul 2, 2015. Honolulu, HI)
- Paper Presentation. "Institutions and the Impact of Natural Disasters: Evidence from Agricultural Trade Flow in Central America and the Caribbean from 1996-2011." *45th Annual Urban Affairs Association (UAA) Conference*. (Apr 8-11, 2015. Miami, FL)
- Paper Presentation. "Willingness To Pay and Determinants of Household Choice for Sea Level Rise Adaptation Plan." *Eastern Economic Association, 41st Annual Meeting*. (Feb 26 - Mar 1, 2015. New York City, NY)
- Paper Presentation. "Estimating the Effects of Utility Disruption on Household Well-being During Hurricane Sandy." *Southern Economic Association, 84th Annual Meeting*. (Nov 22-24, 2014. Atlanta, GA)
- Paper Presentation. "Estimating the Effects of Utility Disruption on Household Well-being During Hurricane Sandy." *39th Annual Natural Hazards Workshop Researchers Meeting*. (Jun 25-26, 2014. Broomfield, CO)

- **Workshops and Symposiums**
  - [Invited with travel grant] Participant. 54th North American Power Symposium NSF-sponsored Workshop on "Power Systems Resilience during Extreme Weather". *University of Utah*. (Oct 9, 2022. Salt Lake City, UT)
  - [Invited with travel grant] Participant. EconEd2022 Building Community, Sharing Insights, and Making Sense of the World. *Macmillan Learning*. (Sep 30 - Oct 1, 2022. Washington D.C.)
  - Participant & Focus Group Discussion. The 11th Annual AEA Conference on Teaching and Research in Economic Education (CTREE). (Jun 1-3, 2022. Chicago, IL)
  - [Invited with travel grant] Climate Change Working Group. GLASSNET Conference 2022: Managing the Global Commons. *Purdue University*. (Apr 7-8, 2022. West Lafayette, IN)
  - Organizer & Paper Presentation. Online Symposium on COVID-19 Related Research in Developed and Developing Countries. (Nov 20, 2020. Virtual)
  - [Invited with travel grant] Climate-resilient Crops Working Group. Ceres2030: Sustainable Solutions to End Hunger All-authors Meeting. *UN Food and Agriculture Organization (FAO)*. (Jun 1-7, 2019. Rome, Italy)
  - CO-PI. Organizing Decentralized Resilience in Critical Interdependent Infrastructure Systems and Processes

(ORDER-CRISP) 1st Annual Workshop. *George Washington University*. (Jun 14-15, 2019, Washington, D.C)

- Lighting Talk. 2018 GIS Day. *University of Notre Dame*. (Nov 12, 2018. Notre Dame, IN)
- Paper Presentation. 2016 Graduate Student Appreciation Week Scholarly Forum. *Florida International University*. (Mar 28-29, 2016. Miami, FL)
- [Selected with travel award] Paper Presentation. 2015 Summer Institute for Disaster and Risk Research. *Beijing Normal University*. (Jul 27 - Aug 7, 2015. Beijing, China)
- [Selected with travel award] Poster Presentation. 2015 Florida Statewide Graduate Student Research Symposium. *University of Central Florida.* (Apr 24, 2015. Orlando, FL)
- Paper Presentation. Young Scholars Initiative Workshop. *Institute for New Economic Thinking*. (Feb 24, 2015. New York City, NY)

Teaching

- **Teaching (as Instructor of Record) at Cornell University**
  - AEM 2100 Introductory Statistics (Fall2026)
  - AEM 6991 MPS Research Seminar I (Fall2025, Fall2026)
  - AEM 6992 MPS Research Seminar II (Spring2026)
  - AEM 6510 Environmental & Resource Economics (Spring2026)
  - HADM 1410 Microeconomics for Service Industry (Spring2026)
- **Teaching (as Instructor of Record) at University of Notre Dame**
  - KSGA 10002 Principles of Economics (Fall2019, Spring2025)
  - GLAF 10003 Quantitative Methods for Global Affairs (Fall2022)
  - GLAF 30121/ IDS/SUS/STV 30559 Environmental Economics (Spring2021, 2023, 2024)
  - HESB 48000 Independent Capstone Research Project (Spring2023)
  - ECON 48600 Senior Honors Thesis (Spring2024)
  - MGA 60202 Quantitative Methods (Spring2021, Fall2021)
  - MGA 60203 Microeconomics for Policy Analysis (Fall2018, Spring2020, Fall2021, Spring2022, 2023, Fall2024)
  - MGA 60220 Environmental Economics (Spring2023, 2024)
  - MGA 60710 GIS in Social Science (Fall2018, 2019, 2020, 2022, Spring2024, Fall2024, Spring2025)
  - MGA 60717 Cost Benefit Policy Analysis (Spring2019, 2020, 2022)
  - MGA 60751 Intermediate Cost Benefit Analysis (Spring2021, 2022)
  - MGA 68000 Thesis Direction (Spring2023)
- **Teaching (Others) at University of Notre Dame**
  - MGA 60204 Policy Evaluation (*co-instructor*, Spring2019)
  - MGTO 46010 Energy, Justice & Fukushima (*co-instructor*, Spring2023)
  - IDS 20500 Introduction to International Development Studies (*guest lecturer*, Fall2022)
  - SUS 20010 Sustainability: Principles & Practice (*guest lecturer*, Fall2018, Fall2019)
  - SUS 43000 Capstone Seminar in Sustainability (*guest lecturer*, Fall2019)
  - MGA 60206 Climate Change & Environmental Policy (*guest lecturer*, Spring2021)
  - iLED High School Program, Notre Dame International (*guest lecturer*, Summer2022)
- **Teaching (as Instructor of Record) at University of Colorado Denver**
  - ECON 2022 Principles of Microeconomics (Spring2017)
  - ECON 3811 Statistics with Computer Applications (Spring2017, Fall2017, Spring2018)
  - ECON 4540 Environmental Economics (Fall2016, Spring2017, Fall2017, Spring2018)
  - ECON 4811 Introduction to Econometrics (Fall2016, Fall2017)
  - ECON 4011 Topics in Economics (Winter2018)
- **Teaching (as Instructor of Record) at Florida International University**
  - ECO 2023 Principle of Microeconomics (Summer2014)

ECP 3022 Introduction to Environmental Economics (*co-instructor*, Fall2014)
EVR 4352 U.S. Environmental Policy (*co-instructor*, Fall2015)

Mentorship

- **Postdoctoral Scholars**
  - Xiantao Fan, ND-ECI and ND-Energy Postdoctoral Research Associate
    Co-Advisor, 07/2022 - 06/2024
- **Graduate Students**
  - Poulomi Ghosh, Master Student (2025), Keough School of Global Affairs, ND
    Advisor, Part-time Research Assistant, 01/2025 – 06/2025
  - Valena McEwen, Master Student (2024), Keough School of Global Affairs, ND
    Advisor, Part-time Research Assistant, 01/2024 – Present
    First Position: Ph.D. Candidate, Yale University
  - Rahman Sulaimanov, Master Student (2024), Keough School of Global Affairs, ND
    Advisor, Part-time Research Assistant, 01/2024 – 04/2025
  - Cynthia Mene, Master Student (2023), Keough School of Global Affairs, ND
    Master Thesis Main Advisor, 05/2022 - 05/2023
    First Position: Consultant, International Finance Corporation (IFC), World Bank
  - Zhanaiym Kozybay, Master Student (2021), Keough School of Global Affairs, ND
    Advisor, Full-time Research Associate, 07/2021 – 06/2022
    First Position: Researcher, Global Energy Monitor
  - Ana Lande, Master Student (2022), Keough School of Global Affairs, ND
    Advisor, Part-time Research Assistant, 01/2022 – 06/2022
  - Samuel Morris, Master Student (2021), Keough School of Global Affairs, ND
    Advisor, Part-time Research Assistant, 01/2021 – 06/2021
  - Chang Liu, Ph.D Student, Kelley School of Business, Indiana University Bloomington
    External Research Advisor, 03/2020 - Present
  - Wenzhuo Wang, Visiting Ph.D Student, Zhejiang University
    Research Advisor, 06/2024 - Present
  - Yongheng Li, Visiting Ph.D Student, Peking University
    Research Advisor, 06/2024 - Present
  - Dan Su, Visiting Ph.D Student, Zhejiang University
    Research Advisor, 10/2024 - Present
  - Pengyu Zhong, Visiting Ph.D Student, Zhejiang University
    Research Advisor, 12/2024 - Present
- **Undergraduate Students**
  - Lauren Schnabel, College of Science, Class of 2024, ND
    Advisor, Full-time Research Assistant, 06/2024 - 06/2025
  - Zeng Wang, Business Analytics and Economics, Class of 2024, ND
    Advisor, Minor in Sustainability Capstone Project, 01/2022 - 05/2024
  - Isabela Rascon, International Economics, Class of 2024, ND
    Advisor, Minor in Sustainability Capstone Project, 01/2022 - 05/2024
  - Izzy Cheng, Applied and Computational Mathematics and Statistics, Class of 2023, ND
    Advisor, Hesburgh Program of Public Service Capstone Project, 02/2023 - 05/2023
  - Kayla Leady, Civil and Environmental Engineering and Earth Sciences, Class of 2024, ND
    Faculty Advisor, Nanovic Undergraduate Research Grant, 01/2023 - 04/2023
  - Timothy Du, Economics and Applied and Computational Mathematics and Statistics, Class of 2025, ND
    Research Supervisor, 05/2022 - 03/2023
  - Genesee L. Kortick, Environmental Science, Class of 2022, ND
    Senior Thesis Co-Advisor, 12/2021 - 05/2022

News and Features

- "Environmental Governance Mitigates Human Displacement Caused by Weather-related Disasters, Study Shows", featured by Notre Dame Keough School of Global Affairs (Sep, 2024). Available at: link
- "Enhancing Disaster Response Practices for Greater Effectiveness," Research Team Spotlight, featured by Notre Dame Pulte Institute for Global Development (Jan, 2024). Available at: link
- "Global Good: Lenses on Ethical Leadership from Japan." Research Team Spotlight, featured by Notre Dame Deloitte Center for Ethical Leadership (Oct, 2023). Available at: link
- Women in Sustainability, featured by Notre Dame International (Dec 9, 2021). Available at: link
- "For Hurricane Victims, Prolonged Disruption of Utilities, Limited Preparation Lead to Longer Recovery Times." Research featured by Notre Dame News (Sep 21, 2021). Available at: link
- "USA: Global Warming Damages Coastal Areas." Economists Stories by The Economy of Francesco (Oct 29, 2020). Available at: link
- "Ceres2030 Project Aims to Help Smallholder Farmers Cope with Climate Change." Research Team Spotlight, featured by Cornell University College of Agriculture and Life Sciences (Oct 13, 2020). Available at: link

Professional Service

- **Editorial Service**

  Editorial Board Member, *Communications Earth & Environment*. (1/2025 - Present)
  Editorial Board Member, *Humanities and Social Sciences Communications*. (9/2024 - Present)
  Guest Editor, Special Issue "Climate Adaptation and Resilience Economics", *Climate*. (3/2026 - Present) link
  Guest Editor, Special Collection "Disaster Preparation and Policy", *Humanities and Social Sciences Communications*. (6/2025 - Present) link
  Guest Editor, Special Issue "Climate Extremes and Climate Action", *Frontiers in Political Science*. (11/2024 - Present) link

- **Referee Services**

  Environmental and Resource Economics; Environmental and Development Economics;
  Natural Hazards Review; Risk Analysis; Environmental Management;
  Ocean & Coastal Management; Climate Change; Climate Risk Management
  Sustainability Science; Transportation Research

- **Professional Membership**

  American Economic Association (AEA); American Geophysical Union (AGU); Association of Environmental and Resource Economists (AERE); Eastern Economic Association (EEA); European Association of Environmental and Resource Economists (EAERE); National Sustainability Society (NSS); Society for Benefit-Cost Analysis (SBCA); Society for Risk Analysis (SRA); Southern Economic Association (SEA);