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Appointments

Associate Professor. School of Government and Public Policy. University of Arizona. 2020 - Present.

Director, Master of Public Administration and Master of Public Policy Programs. 2021 - Present.

Associate Professor. Arid Lands Graduate Interdisciplinary Program. 2020 - Present.

Associate Professor. Global Change Graduate Interdisciplinary Program. 2020 - Present.

Associate Professor (*Courtesy Appointment*). Agricultural and Resource Economics. 2021 - Present.

Associate Professor (*Courtesy Appointment*). Economics. 2021 - Present.

Assistant Professor. School of Government and Public Policy. University of Arizona. 2014 - 2020.

Visiting Scholar. Department of Agricultural & Resource Economics. University of California Berkeley. Fall 2017.

Education

Ph.D. Environmental and Natural Resource Economics. Yale University. 2014.

M.Phil. Environmental and Natural Resource Economics. Yale University. 2012.

M.Sc. Environment and Development, with Merit. London School of Economics. 2007.

B.A. Economics, Magna Cum Laude. Whitman College. 2005.

Publications (*Peer Reviewed*)

Adeel, Z., Bakkensen, L., Cabrera-Rivera, O., Franco, E., Garfin, G., McPherson, R., Mendez, K., and Wen, X. *Forthcoming*. Challenges in and Opportunities for International Collaboration: Costing Flood Damages and Losses across Canada, Mexico, and the United States. *Bulletin of the American Meteorological Society*.

Bernat, R., Megdal, S., Eden, S., and Bakkensen, L. 2023. Stakeholder Opinions on the Issues of the Central Arizona Groundwater Replenishment District and Policy Alternatives. *Water*. 15(6), 1166.

Wen, X., Alarcon Ferreira, A. M., Rae, L., Saffari, H., Adeel, Z., Bakkensen, L., Mendez Estrada, K., Garfin, G., McPherson, R., Vargas, E. 2022. A Comprehensive Methodology for Evaluating Economic Impacts of Floods: An Application to Canada, Mexico, and the United States. *Sustainability*. 14(21): 14139.

Bakkensen, L., and Barrage, L. 2022. Going Under Water? Flood Risk Belief Heterogeneity and Coastal Home Price Dynamics. *The Review of Financial Studies*. 35(8): 3666-3709. Media coverage: [NBER Digest](#), [Pacific Standard](#).

Fan, Q., and Bakkensen, L. 2022. Household Sorting as Adaptation to Hurricane Risk in the United States. *Land Economics*. 98(2): 219-238.

Schlager, E., Bakkensen, L., Olivier, T, and Hanlon, J. 2021. Institutional Design for a Complex Commons: Variations in the Design of Credible Commitments and the Provision of Public Goods. *Public Administration*. 99(2): 263-289.

Adeel, Z., Alarcon, A. M., Bakkensen, L., Franco, E., Garfin, G., McPherson, R., Mendez, K., Roudaut, M. B., Saffari, H., and Wen, X. 2020. Developing a Comprehensive Methodology for Evaluating Economic Impacts of Floods in Canada, Mexico, and the United States. *International Journal of Disaster Risk Reduction*. 50:101861.

Bakkensen, L., and Ma, L. 2020. Sorting Over Flood Risk and Implications for Policy Reform. *Journal of Environmental Economics and Management*. 104:102362. Media coverage: [Architecture Magazine](#), [UANews](#). 2020 JEEM Best Paper Award Winner.

Bakkensen, L., and Schuler, P. 2020. A Preference for Power: Willingness to Pay for Energy Reliability Versus Fuel Type in Vietnam. *Energy Policy*. 144: 111696.

Bakkensen, L., Ding, X., and Ma, L. 2019. Flood Risk and Salience: New Evidence from the Sunshine State. *Southern Economic Journal*. 85(4): 1132-1158.

Bakkensen, L., Park, D., and Sarkar, R. 2018. Climate costs of tropical cyclone losses also depend on rain. *Environmental Research Letters*. 13(7): 074034.

Bakkensen, L., Shi, X, and Zurita, B. 2018. The Impact of Disaster Data on Estimating Damage Determinants and Climate Costs *Economics of Disasters and Climate Change*. 2(1): 49-71.

Bakkensen, L. 2017. Mediterranean Hurricanes and Associated Damage Estimates. *Journal of Extreme Events*. 4(2): 1750008.

Bakkensen, L., Fox-Lent, C., Read, L., and Linkov, I. 2017. Validating Resilience and Vulnerability Indices in the Context of Natural Disasters. *Risk Analysis*. 37(5): 982-1004.

Seo, N. and Bakkensen, L. 2017. Is Tropical Cyclone Surge, Not Intensity, What Kills So Many People in South Asia? *Weather, Climate, and Society*. 9(2): 171- 181.

Bakkensen, L. and Mendelsohn, R. 2016. Risk and Adaptation: Evidence from Global Hurricane Damages and Fatalities. *Journal of the Association of Environmental and Resource Economists*. 3(3): 555-587.

Seo, N. and Bakkensen, L. 2016. Did Adaptation Strategies Work? High Fatalities from Tropical Cyclones in the North Indian Ocean and Future Vulnerability -r1eraakkensen, L., Fox-Lent, C4hd [(.)e Costs

Book Chapters (*Peer Reviewed*)

Bakkensen, L. and Conte, M. 2022. Risk Preferences and Natural Disasters: A Review of Theoretical and Empirical Themes. Handbook on the Economics of Disasters. Edward Elgar Publishing. Cheltenham, United Kingdom.

Bakkensen, L. and Blair, L. 2022. The Economics of Tropical Cyclone Adaptation. Handbook of Behavioral Economics and Climate Change. Edward Elgar Publishing. Cheltenham, United Kingdom.

Bakkensen, L. and Blair, L. 2020. Flood Damage Assessments: Theory and Evidence from the United States. Encyclopedia of Crisis Analysis. Oxford University Press. Oxford, United Kingdom.

Bakkensen, L. and Mendelsohn, R. 2019. Global Tropical Cyclone Damages and Fatalities Under Climate Change: An Updated Assessment. Hurricane Risk, Volume 1. Springer. Cham, Switzerland.

Policy White Papers

Commission for Environmental Cooperation. Prepared by Adeel, Z., Alarcón, A. M., Bakkensen, L., Franco, E., Garfin, G. M., McPherson, R. A., Méndez, K., Rae, L., Saffari, H., Wen, X. 2021. CEC Policy Brief on Flood Costing. Understanding the Comprehensive Economic Impact of Floods in Canada, Mexico, and the United States. Montreal, Canada: Commission for Environmental Cooperation. May 2021. 5 pp. [Available online here](#).

Bakkensen, L. and Johnson, R. 2017. The Economic Impacts of Extreme Weather: Tucson and Southern Arizona's Current Risks and Future Opportunities. *Making Action Possible in Southern Arizona Dashboard*. [Available online here](#). Media coverage: [AZCentral](#), [AZDWR](#), [AZPM](#), [Daily Wildcat](#) (headline story), [KVOA](#), [KVOI](#), [UANews](#), [UNISDR](#).

Selected Work in Progress

Bakkensen, L., and Barrage, L. Climate Shocks, Cyclones, and Economic Growth: Bridging the Micro-Macro Gap. (Conditionally accepted at *The Economic Journal*.)

Bakkensen, L., Ma, L., Muehlenbachs, L., Benitez, L. Cumulative Impacts in Environmental Justice: Insights from Economics and Policy. (Revise and resubmit at the *Regional Science and Urban Economics*.)

Bakkensen, L., Phan, T., and Wong, T.N. Leveraging the Disagreement on Climate Change: Theory and Evidence. (Revise and resubmit at the *Journal of Political Economy*.)

Friedrich, H., Tellman, B., Sullivan, J., Saunders, A., Zuniga-Terran, A., Bakkensen, L., Cawley, M., Dolk, M., Emberson, R., Forrest, S., Gupta, N., Gyawali, N., Hall, C., Kettner, A., Sanchez Lozano, J., Bola, G. Earth Observation to Monitor and Redress Inequitable Post-Flood Recovery. (Under review.)

Shrader, J., Bakkensen, L., and Lemoine, D. Fatal Errors: The Mortality Value of Accurate Weather Forecasts. (Under review.) Media coverage: [NPR's Planet Money](#).

Bakkensen, L. Learning from Public Information Under Conflicting Signals: Evidence from U.S. Tornadoes.

Bakkensen, L., and Ahmed, S. The Role of Risk Preferences in Climate Decisions: Evidence from Bangladeshi Farmers.

Bakkensen, L., Nguyen, Q., Phan, T., Schuler, P. Charting the Course: How Does Information about Sea Level Rise Affect the Willingness to Migrate?

Blair, L., and Bakkensen, L. Building Codes and Spillovers: Evidence from Hurricane Michael.

Popular Press

Shrader, J., Bakkensen, L., and Lemoine, D. [Weather forecast accuracy is crucial in a heat wave – 1 degree can mean the difference between life and death](#). July 13, 2023. The Conversation.

Shrader, J., Bakkensen, L., and Lemoine, D.

and presenter); Indiana University, Natural Resource Governance Symposium for Young Scholars; Indian Institute of Technology Tirupati, Department of Economics, Virtual Seminar; University of Connecticut, Environmental/Law & Economics/IO Virtual Seminar; Federal Reserve Bank of New York, Climate Economics Virtual Seminar. Network of Schools of Public Policy, Affairs, and Administration Annual Conference: Academic Women in Public Administration's Panel on "Women MPA Directors: Narratives in Leadership." (*Invited panelist*).

2020

of Arizona Environmental & Energy Economics Workshop (*Discussant*). Tucson, AZ; University of Arizona, Department of Hydrology and Atmospheric Sciences. Tucson, AZ.

2016

Fourth Annual Conference on Renewable Energy Science, Technology, and Policy. "Energy Economics and Policy Tutorial". University of Arizona. 2015.

Green Economy. "An Overview of Energy Markets, Externalities, and Policy Solutions". University of Arizona. 2015.

Environmental Economics. "The Economics of Air and Water Quality". University of Arizona. 2015.

Arid Lands Graduate Seminar. "The Economics of Tropical Cyclones under Climate Change: An Application of Integrated Assessment Modeling". University of Arizona. 2014.

Natural Hazards. "Quantifying Disaster Losses: Techniques, Models, and Datasets". University of Oklahoma. 2014.

Interdisciplinarity in Environmental Research. "Integrated Assessment Models". Yale University. 2013.

Valuing the Environment. "Contingent Valuation and Non-Use Values". Yale University. 2013.

Economics of the Environment and Natural Resources. "Hotelling and Nonrenewable Resource Management". Yale University. 2012.

Economics of the Environment and Natural Resources. "The Travel Cost Method". Yale University. 2011.

Economics of the Environment and Natural Resources. "Nontimber Forest Products". Yale University. 2010.

Public Policy and NGOs. "Environmental Learning in South Korea". Cheju National University. 2008.

Advising

Current Ph.D. Committees

Logan Blair (*Committee Chair*), Amanda Leinberger, Laura McCann

Former Ph.D. Committees (first placement)

Emily Bell (2018; University of California, Davis, *Post-Doc*)

Caroline Hopkins, Carnegie Mellon University, Outside Reader (

Service and Outreach

Service

U.S. Department of the Treasury, Climate-related Financial Risk Advisory Committee Member. 2023 - Present.

University of Arizona, Research Working Group Lead, University Sustainability & Climate Action Plan. 2023.

University of Arizona, School of Government and Public Policy, Executive Committee. 2021 - Present.

Economics of Disasters and Climate Change, Journal Board Member. 2016 - Present.

Muaebak Institute of Global Warming Studies, Advisory Board Member. 2016 - Present.

University of Arizona, Master of Public Administration and Master of Public Policy Committee. 2015 - Present.

University of Arizona, 4 hiring committees, 2015 - Present.

University of Arizona, Financial Sustainability Emergency Response Taskforce, Capital Projects, Debt, & Investments. Workgroup Member. 2020 - 2021.

Commission for Environmental Cooperation, Flood Costing Methodologies, Project Contributor. 2019 - 2021.

University of Arizona, M.S. in Water, Society, and Policy Executive Committee. 2017 - 2020.

Arizona Environmental Economists Research Workshop, Lead Organizer. 2016.

Outreach

National Weather Service. SKYWARN Severe Weather Spotter. 2016 - Present.

Big Brothers Big Sisters of Tucson. Mentoring for College and Career Program. 2016 - Present.

Referee Service

American Economic Journal: Economic Policy, American Economic Review: Insights, American Journal of Agricultural Economics, Annals of the American Association of Geographers, Cityscape, Climatic Change, Disaster Medicine and Public Health Preparedness, Disasters, Ecological Economics, Environment and Development Economics, Economics and Human Biology, Environment Systems and Decisions, Food Policy, Global Environmental Change, International Journal of Disaster Risk Reduction, Journal of the Association of Environmental and Resource Economists, Journal of Benefit-Cost Analysis, Journal of Environmental Economics and Management, Journal of Environmental Planning and Management, Journal of International Humanitarian Action, Journal of Policy Analysis and Management, Journal of Political Economy, Journal of Public Economics, Journal of Urban Economics, Land Economics, National Science Foundation (ad hoc, panel), Natural Hazards, Natural Hazards Review, Nature, Nature Climate Change, Palgrave Macmillan (book proposal), PLOS One, Policy Studies Journal, Population and Environment, Regional Science and Urban Economics, Review of Economic Studies, Risk Analysis, Rutledge (textbook proposal), Sloan Foundation, Southern Economic Journal, Sustainability, Water Security, Weather, Climate, and Society, World Development