

CONTACT INFORMATION	Haub School of Environment and Natural Resources, Beta House 311 University of Wyoming Laramie, WY 82070 USA E-mail: JHochard@uwyo.edu Websites: www.jacobhochard.com
ACADEMIC POSITIONS	University of Wyoming , Laramie, Wyoming USA Knobloch Associate Professor of Conservation Economics, 2023 to present Knobloch Assistant Professor of Conservation Economics, 2020 to 2023 Haub School of Environment and Natural Resources East Carolina University , Greenville, North Carolina USA Adjunct Professor, Department of Economics, 2020 to present Adjunct Professor, Coastal Studies Institute, 2020 to present Assistant Professor, Department of Economics, 2015 to 2020 Assistant Research Scientist, Coastal Studies Institute (CSI), 2015 to 2020 Research Fellow, Center for Natural Hazards Research, 2015 to 2020 Research Affiliate, North Carolina Agromedicine Institute, 2018 to 2020 Western Water Assessment , Boulder, Colorado USA Investigator, 2022 to present U.S. EPA & Oak Ridge Institute for Science and Education , Washington, D.C. USA Faculty Fellow, 2019 to 2020
EDUCATION	University of Wyoming , Laramie, Wyoming USA Ph.D., Economics, May 2015 Gettysburg College , Gettysburg, Pennsylvania USA B.A., Economics (with honors), May 2011 B.A., Environmental Studies (with honors), May 2011
PEER-REVIEWED PUBLICATIONS	Etheridge, R., J. Pascual-Gonzalez, J. Hochard , A. Peralta, and T.J. Vogel. "Predicting nitrate exposure from groundwater wells using machine learning and meteorological conditions" <i>JAWRA Journal of the American Water Resources Association</i> 1-13. P. Ferraro, T. Cherry, J. Shogren, C. Vossler, T. Cason, H. Flint, J. Hochard , O. Johansson-Stenman, P. Martinsson, J. Murphy, S. Newbold, L. Thunstrom, D. Van Soest, K. Van't Veld, A. Dammberg, G. Loewenstein, L. Van Boven "Create a culture of experiments in environmental programs" <i>Science</i> (381) 6659 735-737. J. Hochard , N. Abashidze, R. Bawa, G. Carr, B. Kirkland, Y. Li, K. Matlock, W. Yan Siu "Predicting groundwater contamination to protect the storm-exposed vulnerable" <i>Climate Risk Management</i> (40) 100499. J. Hochard , N. Abashidze, R. Bawa, R. Etheridge, Y. Li, A. Peralta, C. Sims and T. Vogel. "Air temperature spikes increase bacteria presence in drinking water wells downstream of hog lagoons" <i>Science of the Total Environment</i> 867(1) 161426.
2022	J. Hochard , Y. Li and N. Abashidze "Expecting Mother Nature: The Disruptive Impacts of Hurricanes and their Forecasts on Birth Outcomes and Prenatal Care" <i>Nature Communications</i> . <i>News coverage and policy documents: Medical Express. My Best Medicine</i>
2021	J. Hochard "Investing wisely in land restoration." <i>Nature Sustainability</i> 5, no. 1: 3-4. <i>News coverage and policy documents: Mongabay, South Africa Today</i> J. Hochard , E. Barbier, S. Hamilton. "Mangroves and Coastal Topography Create Economic "Safe Havens" from Tropical Storms". <i>Scientific Reports</i> 11, no. 1: 1-8..

- Shogren. J., **J. Hochard**, K. Lee and L. Varelas Henderson. “Experimental Mindset for Environmental Challenges: The puzzling case of public goods contributions”. *European Review of Agricultural Economics* 48, no. 4: 785-804.
- Howard, G., J. Whitehead, **J. Hochard**. “Estimating Discount Rates Using Referendum-style Choice Experiments: An Analysis of Multiple Methods”. *Journal of Environmental Economics and Management* 105: 102399.
- 2020 Sims, C., D. Aadland, D. Finnoff, **J. Hochard**. [What are the benefits of delisting endangered species and who receives them?: Lessons from the gray wolf recovery in Greater Yellowstone](#). *Ecological Economics* 174: 106656.
- 2019 Barbier, E., and **J. Hochard**. [“Poverty-Environment Traps.”](#) *Environmental and Resource Economics*. 1-33.
- Hochard, J.**, S. Hamilton and E. Barbier. [“Mangroves shelter economic activity from cyclones”](#). *Proceedings of the National Academy of Sciences* 116 (25) 12232-12237.
- News coverage and policy documents: World Economic Forum, Yahoo Finance, The Conversation, Yahoo News, MSN, Quartz India, arcTECHNICA, Deccan Chronicle, Long Room, phys.org, The Asian Age, True Viral News, Scroll India.*
- Kruse, J., and **J. Hochard**. [“Economics, Insurance, and Flood Hazards”](#) *Southern Economic Journal* 85 (4) 1027-1031.
- 2018 Barbier, E., and **J. Hochard**. [“Land degradation and poverty.”](#) *Nature Sustainability* 1 (11).
- Garg, T., S. Hamilton, **J. Hochard**, E. Kresch and J. Talbot. [“\(Not so\) gently down the stream: River pollution and health in Indonesia”](#). *Journal of Environmental Economics and Management (JEEM)* 92 35-53.
- Barbier, E. and **J. Hochard**. [“The Impacts of Climate Change on the Poor in Disadvantaged Regions”](#). *Review of Environmental Economics and Policy (REEP)* 12(1) 26-47.
- News coverage and policy documents: World Bank Report.*
- 2017 **Hochard, J.** and D. Finnoff. [“Cross-Jurisdictional Management of a Trophy-Hunted Species”](#). *Journal of Theoretical Biology* 420, 41-52.
- Sims, C., D. Finnoff, A. Hastings, and **J. Hochard**. [”Listing and Delisting Thresholds under the Endangered Species Act.”](#) *American Journal of Agricultural Economics* 99, no. 3: 549-570.
- Barbier, E. and **J. Hochard**. [Poverty, Rural Population and Climate Change](#). *Environment and Development Economics*. 1-23.
- Hochard, J.**, and E. Barbier. [“Market accessibility and economic growth: Insights from a new dimension of inequality.”](#) *World Development* 97: 279-297.
- 2016 Barbier, E., and **J. Hochard**. [“Does Land Degradation Increase Poverty in Developing Countries?.”](#) *PLOS ONE* 11(5).
- Barbier, E., R. Lopez, and **J. Hochard**. [“Debt, poverty and resource management in a rural smallholder economy.”](#) *Environmental and Resource Economics* 63(2).
- 2014 **Hochard, J.** and D. Finnoff. [“Gray wolf population projection with intraspecific competition”](#). *Natural Resource Modeling* 27(3), 360-375.
- LEAD-PI
FUNDED
EXTERNAL
GRANTS Knobloch Family Foundation. [“Expanding and Institutionalizing Wyoming’s Natural Wealth Accounts: Mule Deer, Pronghorn and Elk”](#), \$267,510. 2023-2024.
- The Nature Conservancy’s Global Science Unit. [“Targeting Mangrove Restoration Projects to Promote River Delta Livelihoods”](#), \$137,144 2022-2023.
- Knobloch Family Foundation. [“Advancing Conservation in Wyoming through Natural Wealth Accounting”](#), \$280,000. 2020-2021.

Environmental Protection Agency Science to Achieve Results (STAR) Program. Integrating Human Health and Well-Being with Ecosystem Services. “Predicting Drinking Water Contamination from Extreme Weather to Reduce Early Life Contaminant Exposures”, \$799,384. 2020-2023.

National Science Foundation (NSF) Coastlines and People (CoPe) EAGER. “Establishing Interface Standards for Physical Exposure and Human Impacts Data Collection and Publication in Rapid Response to Coastal Hazards”, \$299,464. 2019-2021.

National Science Foundation (NSF) RAPID: Decision Risk and Management Sciences (DRMS). “Rural residents’ self-protections to perceived and actual contamination risk in private drinking wells after Hurricane Florence”, \$179,223. 2018-2020.

Environmental Protection Agency Science to Achieve Results (STAR) Program. Integrating Human Health and Well-Being with Ecosystem Services. “Community-level Management of Human Health Risks from Concentrated Animal Feeding Operations (CAFOs) with Defensive Natural Capital Investments”, \$399,226. 2017-2021.

Oak Ridge Affiliated Universities Ralph E. Powe Junior Faculty Enhancement Award. “Storm Protection Services of Mangrove Forests”, \$10,000. 2016.

Center for Behavioral and Experimental Agri-Environmental Research. USDA Economic Research Service. “Reuniting and Adapting to Fragmented Habitat for Red Wolf Recovery”, \$9,328. 2016.

ADDITIONAL
AWARDS

University of Wyoming Grand Challenges Planning Grant. “Adapting Pandemic-Driven Technological Advancement to Expand Ecosystem Service Reach and Virtual Access to Wyoming’s National Parks” (with Abigail Sisneros-Kidd, Emma-Jane Alexander and Amiee Reese), \$20,000. 2021.

World Bank Climate Change Group. “Climate change impacts on poverty in coastal ecosystems”, subcontracted. 2014.

EDITORIAL
SERVICE

Special issue guest editor (with **J.B. Kruse**), *Flood risk and economics symposium, Southern Economic Journal*, 2017-19.

BOOK CHAPTERS

Hochard, J. and E. Plous-Kresch. “Remote Sensing Supports Economic Inference in Developing Countries”. Chapter 13 in Kruse, Crompvoets and Pearlman (eds). *GEOValue: The Socioeconomic Value of Geospatial Information*. Taylor and Francis Group, Boca Raton, Florida, 2017.

Barbier, E. and **J. Hochard**. “Development, Ecology and the Environment” Chapter 33 in J. Ghosh, R. Kattel and R. Reinert (eds). *Elgar Handbook of Alternative Theories of Economic Development*. Edward Elgar, Cheltenham, UK, 2016.

REPORTS AND
COMMENTARIES

J. Bernazneva, T. Garg and **J. Hochard**. “AERE Summer Conference: Papers on Developing Countries”. *Economics That Really Matters Blog*. June, 2016.

E. Barbier and **J. Hochard**. February, 2015. “Geographical poverty traps in rural areas: a growing global problem”. *Let’s talk DEVELOPMENT: A blog hosted by the World Bank’s Chief Economist*. Featured on The World Bank Homepage.

E. Barbier and **J. Hochard**. January, 2015. “Identifying Geographical Poverty Traps in Rural Areas”. World Bank Research E-Newsletter.

E. Barbier and **J. Hochard**, 2014. “Land Degradation, Less Favored Lands and the Rural Poor: A Spatial and Economic Analysis.” A Report for the Economics of Land Degradation Initiative. Department of Economics and Finance, University of Wyoming. Available from: <http://www.eld-initiative.org>.

TEACHING

Fall 2023	Approaches to ENR Problem Solving	U. of Wyoming
Spring 2023	Ecotourism and Climate Change in Tenerife	U. of Wyoming
Fall 2022	Approaches to ENR Problem Solving	U. of Wyoming
Spring 2022	Economics of Critters and Climate	U. of Wyoming
Fall 2021	Approaches to ENR Problem Solving	U. of Wyoming
Spring 2021	Environmental Economics	U. of Wyoming

Spring 2020	Honors Capstone Sequence	East Carolina University
Fall 2019	Honors Capstone Sequence	East Carolina University
Fall 2019	Principles of Microeconomics	East Carolina University
Fall 2018	Principles of Microeconomics	East Carolina University
Fall 2017	Bioeconomics (PhD level)	East Carolina University
Spring 2017	Principles of Microeconomics	East Carolina University
Fall 2016	Capstone Research Project	UNC-Chapel Hill
Fall 2016	Principles of Microeconomics	East Carolina University
Spring 2016	Principles of Microeconomics	East Carolina University
Fall 2015	Principles of Microeconomics	East Carolina University
Fall 2014	Principles of Macroeconomics	U. of Wyoming
Summer 2014	Principles of Macroeconomics	U. of Wyoming

PRESENTATIONS,
SEMINARS AND
WORKSHOPS

December 2023: UCross Foundation Writer Residency (Clearmont)
November 2023: Southern Economic Association AERE sessions (New Orleans)
September 2023: Intergov. Science-Policy Platform on Biodiversity and Eco. Ser. (IPBES) (Bogota)
August 2023: Wolves Across Borders (Stockholm)
August 2023: US Department of Agriculture APHIS (Fort Collins)
May 2023: US Environmental Protection Agency (Washington DC - Virtual)
November 2022: Southern Economic Association AERE sessions (Fort Lauderdale)
June 2022: European Association of Environmental and Resource Economists (Rimini)
May 2022: Association of Environmental and Resource Economists (Miami)
November 2021: Southern Economic Association AERE sessions (Houston)
October 2021: Conservation Funding & Predator Management as a Public Trust (Virtual)
September 2021: Teton Initiative: Experimental Economics and Environmental Policy (Jackson)
September 2021: Biodiversity of Economics and Conservation (Jackson)
April 2021: US Environmental Protection Agency (Washington DC - Virtual)
April 2021: The Wildlife Society - University of Wyoming Chapter (Laramie - Virtual)
March 2021: Mississippi State University Ag. Economics Department Seminar (Starkville - Virtual)
November 2020: Southern Economic Association AERE sessions (New Orleans - Virtual)
April 2020: University of Wyoming Job Seminar (Laramie - Virtual)
March 2020: Bates College Virtual Guest Lecture (Lewiston - Virtual)
November 2019: Southern Economic Association AERE sessions (Fort Lauderdale)
August 2019: Ecological Society of America Annual Meetings (Louisville)
April 2019: Applications and Potential of Ecosystem Services Valuation (USDA - Washington DC)
April 2019: Cornell University Social Cost of Water Pollution Workshop (Ithaca)
March 2019: Water Resources Research Institute (Raleigh)
March 2019: Old Dominion University Center for Coastal Physical Oceanography (Norfolk)
June 2018: World Congress of Environmental and Resource Economists (Gothenburg)
May 2018: United Nations Development Programme (New York)
May 2018: US Environmental Protection Agency-Research Triangle Park (Raleigh)
April 2018: Appalachian Experimental and Environmental Economics Workshop (Blowing Rock)
April 2018: Nordic Annual Environmental and Resource Economics Workshop (Bergen)
April 2018: Bergen Economics of Energy and Environment Research Conference (Bergen)
March 2018: Colorado State University's Department of Economics (Fort Collins)
November 2017: Southern Economic Association AERE sessions (Tampa)
October 2017: CBEAR Behavioral & Experimental Agri-Environmental Conference (Shepherdstown)
September 2017: UNC Chapel Hill's Institute of Marine Sciences (Morehead City)
June 2017: European Association for Environmental and Resource Economists (Athens)
June 2016: World Bank's Dynamic Decision and Planning Platform (Webinar - Washington DC)
June 2016: Association of Environment and Resource Economists (Breckenridge)
March 2016: Data to Decisions: Valuing the Social Benefits of Geospatial Information (Paris)
February 2016: Social Coast Forum (Charleston)
November 2015: Southern Economic Association AERE sessions (New Orleans)

October 2015: Appalachian State University Seminar Series (Boone)
October 2015: North Carolina State University CEnREP Lunch Colloquium (Raleigh)
June 2015: World Bank's Development Impact Evaluation Workshop in Transport and ICT (Rio)
August, 2014: North Carolina State University's Camp Resources XXI (Wrightsville)
July, 2014: World Conference on Natural Resource Modeling (Vilnius)
June, 2014: World Congress of Environmental and Resource Economists (Istanbul)
May, 2014: Midwest International Economic Development Conference (Minneapolis)
January, 2014: Initiative for Policy Dialogue's Advanced Graduate Workshop (Bangalore)
June, 2013: World Conference on Natural Resource Modeling (Ithaca)

AWARDS

2018 ECU Residence Hall Association Honored Instructor.
2018 Harriot College of Arts and Sciences *Dean's Early Career Award*.
2018 East Carolina University *Coastal Scholar Award*.
2017 EAERE Best Publication in *Environmental and Resource Economics*.
2017 East Carolina University *University Scholars Award*.
2015 University of Wyoming Promoting Intellectual Engagement (PIE) Teaching Award.
2014 Resource Modeling Association (RMA) Best Graduate Student Paper.

PROFESSIONAL
EXPERIENCE AND
SERVICE

Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) 'Business and Biodiversity' assessment *Lead Author*
North Carolina House of Representatives Legislative Candidate. *NC House Seat 09.*
ECU's Early Career Contributions in Climate and Coastal Science Seminar Series. *Series Lead and Founder.*
Albermarle-Pamlico National Estuary Partnership. *Technical and Scientific Advisor.*
Coastal Maritime Council–East Carolina University. *Advisory Committee Member.*
National Institute of Food and Agriculture (NIFA)–Agricultural and Food Research Initiative (AFRI) Environmental and Natural Resource Economics Area Grants Program. *Review Panelist.*
Agricultural and Applied Economics Association (AAEA). *Review Panelist.*
Oak Ridge Affiliated Universities POWE Early Career Awards. *Review Panelist.*
Bureau of Land Management, U.S. Department of Interior, Gunnison, Colorado USA. *Summer resource and recreation management intern.*

AFFILIATED
GROUPS

Agricultural and Applied Economics Association (AAEA)
The American Economic Association (AEA)
Association of Environmental and Resource Economists (AERE)
Northeast Agricultural and Resource Economics Association (NAREEA)
Resource Modeling Association (RMA)
Southern Economic Association (SEA)

REFEREE SERVICE

Environmental and Resource Economics (6).
Journal of Environmental Economics and Management (5).
Ecological Economics (4).
American Journal of Agricultural Economics (2).
Environment and Development Economics (2).
Proceedings of the National Academy of Sciences.
Frontiers in Ecology and the Environment.
Ecohealth.
Food Policy.
Journal of Economic Behavior and Organization.
Journal of Flood Risk Management.
Journal of Housing Economics.
Land Economics.

Marine and Resource Economics.
Nature Sustainability.
Resource and Energy Economics.
Southern Economic Journal.
Sustainability.