

Eric Nost

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EDUCATION

- 2018 Ph.D. Geography, University of Wisconsin-Madison
Dissertation: *Programming Adaptation: How Modeling Informs Environmental Policy in Louisiana's Coastal Master Plan*
Minor: Environmental Studies (Culture, History, and Environment)
- 2013 M.A. Geography, University of Kentucky, 2013
Thesis: *Counting on the Environment: Measuring and Marketing Ecosystem Services in Oregon*
- 2009 B.A. Geography with Honors, Grinnell College, 2009
Thesis: *Tourism, Development, and Place in the Caribe Sur of Costa Rica*
- 2008 Costa Rica Independent Field Study, Associated Colleges of the Midwest (ACM), 2008

EMPLOYMENT

- 2024-present Associate Professor, Department of Geography, Environment and Geomatics | University of Guelph
- 2018-24 Assistant Professor, Department of Geography, Environment and Geomatics | University of Guelph
- 2017 Visiting Assistant Professor, Environmental Studies | Tulane University
- 2015-18 Project Assistant. *Explaining Transboundary Flows of Hazardous Waste in North America*, National Science Foundation grant #1539712. [Project website](#).
- 2011-14 Research Assistant. *The Emerging Commodity of Restored Streams: Science, Policy, and Economics in New Markets for Ecosystem Service Commodities*, National Science Foundation grant #1213827

PUBLICATIONS

Articles

- 2024 Luque-Ayala, A, R. Machen, **E. Nost**. Digital natures: New ontologies, new politics? *Digital Geography and Society*. [Link](#).
- 2023 Horgan, L, Mok, K, Boetsch, E, Kelly, S, Dickinson, K, **Nost, E**, and Wylie, S. What does Chelsea Creek Do For You? A Relational Approach to Environmental Justice Communication. *Environmental Justice*. [Link](#).
- 2023 Glaros, A., **Nost, E.**, Nelson, E., Klerkx, L., & Fraser, E. D. G. Contested Definitions of Digital Agri-Food System Transformation: A Webpage and Network Analysis. *International Journal of Food Design*. [Link](#).
- 2023 Molloy, M., M. Bledsoe, and **E. Nost**. Is adaptation planning effective and for whom? The case of Louisiana's 2017 Comprehensive Master Plan for a Sustainable Coast. *Environmental Hazards*. [Link](#).
- 2023 Glaros, A., D. Thomas, **E. Nost**, E. Nelson, and T. Schumilas. Digital Technologies in Local Agri-Food Systems: Opportunities for a More Interoperable Digital Farmgate Sector. *Frontiers in Sustainability*. [Link](#).
- 2022 **Nost, E.** 'The tool didn't make decisions for us': metrics and the performance of accountability in environmental governance. *Science as Culture*. [Link](#).
- 2022 Drakopoulos, L., Silver, J., **Nost, E.**, Hawkins, R., and Gray, N. Making global oceans governance in/visible with Smart Earth: The case of Global Fishing Watch. *Environment and Planning E: Nature and Space*. [Link](#).
- 2022 **Nost, E.** and E. Colven. Earth for AI: A Political Ecology of Data-Driven Climate Initiatives. *Geoforum*. [Link](#).
- 2021 Green, A., Abdulai, A. R., Duncan, E., Glaros, A., Campbell, M., Newell, R., Quarshie, P., KC, K. B., Newman, L., **Nost, E.**, & Fraser, E. D. G. A scoping review of the digital agricultural revolution and ecosystem services: implications for Canadian policy and research agendas. *FACETS*. [Link](#).
- 2021 **Nost, E.** and J.E. Goldstein. A political ecology of data. *Environment & Planning E: Nature and Space*. [Link](#).

- 2021 Duncan, E., A. Glaros, D. Ross, & **E. Nost**. 2021. New but for whom? Discourses of innovation in precision agriculture. *Agriculture and Human Values*. [Link](#).
- 2021 Machen, R. and **E. Nost**. Thinking algorithmically: The making of hegemonic knowledge in climate governance. *Transactions of the Institute of British Geographers*. [Link](#).
- 2021 **Nost, E.**, G. Gehrke, G. Poudrier, A. Lemelin, M. Beck, and S. Wylie. Visualizing Changes to US Federal Environmental Agency Websites, 2016-2020. *PLoS One*. [Link](#).
- 2021 Steger, C., Hirsh, S., Cosgrove, C., Inman, S., **Nost, E.**, Shinbrot, X., Thorn, J.P.R., Browth, D.G., Gret-Regamey, A., Muller, B., Reid, R.S., Tucker, C., Weibel, B., Klein, J.A. Linking model design and application for transdisciplinary approaches in social-ecological systems. *Global Environmental Change*. [Link](#).
- 2020 Robertson, D., C. Oliver, and **E. Nost**. Short-term rentals as digitally-mediated tourism gentrification: impacts on housing in New Orleans. *Tourism Geographies*. [Link](#).
- 2020 **Nost, E.** Infrastructuring “data-driven” environmental governance in Louisiana’s coastal restoration plan. *Environment & Planning E: Nature and Space*. [Link](#).
- 2020 Ohayon, J., **E. Nost**, K. Silk, M. Rakoff. Barriers and opportunities for breast cancer organizations to focus on environmental health and disease prevention: a mixed-methods approach using website analyses, interviews, and focus groups. *Environmental Health*. [Link](#).
- 2020 Tirrell, C, L. Senier, S. Wylie, C. Alder, G. Poudrier, J. Divalli, M. Beck, **E. Nost**, R. Brackett, and G. Gehrke. Learning in Crisis: Training students to monitor and address irresponsible knowledge construction by U.S. federal agencies under Trump. *Engaging Science, Technology, and Society* 6. [PDF](#).
- 2019 **Nost, E.**, M. Robertson, and R. Lave. Q-method and the performance of subjectivity: Reflections from a survey of US stream restoration practitioners. *Geoforum* 105: 23-31. [Link](#).
- 2019 **Nost, E.** Climate services for whom? The political economics of contextualizing climate data for Louisiana’s coastal Master Plan. *Climatic Change*. 157(1): 27-42. [Link](#).
- 2018 Walker, D., **E. Nost**, A. Lemelin, R. Lave, and L. Dillon. Practicing environmental data justice: From DataRescue to Data Together. *Geo*. [Link](#).
- 2018 Vincent, K., R. E. Roth, S. A. Moore, Q. Huang, N. Lally, C. M. Sack, **E. Nost**, and H. Rosenfeld. Improving spatial decision making using interactive maps: An empirical study on interface complexity and decision complexity in the North American hazardous waste trade. *Environment and Planning B*. 46 (9): 1706-1723. [Link](#).
- 2018 Moore, S. A., H. Rosenfeld, **E. Nost**, K. Vincent, and R. E. Roth. Undermining methodological nationalism: Cosmopolitan analysis and visualization of the North American hazardous waste trade. *Environment and Planning A*. [Link](#).
- 2018 Rosenfeld, H., S. Moore, **E. Nost**, R. E. Roth, and K. Vincent. Hazardous Aesthetics: A “Merely Interesting” Toxic Tour of Waste Management Data. *GeoHumanities*. [Link](#).
- 2017 Moore, S., R. Roth, H. Rosenfeld, **E. Nost**, K. Vincent, T. Buckingham, M.R. Arefin. Undisciplining Environmental Justice Research with Visual Storytelling. *Geoforum*. 102: 267-277. [PDF](#).
- 2017 **Nost, E.**, H. Rosenfeld, K. Vincent, S. Moore, and R.E. Roth. HazMatMapper: An online and interactive geographic visualization tool for exploring transnational flows of hazardous waste and environmental justice. *Journal of Maps* 13(1): 14-23. [Link](#). [Map](#) . Shortlisted for *Journal of Maps*’s 2017 “Best Map” award.
- 2015 **Nost, E.** Performing nature’s value: software and the making of Oregon’s ecosystem services markets. *Environment and Planning: A* 47 (12): 2573-2590. [Link](#).
- 2014 **Nost, E.** Scaling-up local foods: commodity practice in community supported agriculture (CSA). *Journal of Rural Studies* 34: 152-160. [Link](#).
- 2013 **Nost, E.** The Power of Place: Tourism and Development in Costa Rica. *Tourism Geographies* 15(1): 88-106. [Link](#). Also in *Understanding Tropical Coastal and Island Tourism Development*, eds. Klaus Meyer-Arendt and Alan Lew. 2016. Winner, 2011 AAG Tourism and Recreation Speciality Group Best Student Paper Award.

Books

- 2022 Goldstein, J. and **E. Nost**, eds. *The Nature of Data: Infrastructures, Environments, Politics*. University of Nebraska Press.

Chapters

- 2024 **Nost, E.** Q-Method. In *The Field Guide to Mixing Social and Biophysical Methods in Environmental Research*. R. Lave and S. Lane, eds.
- 2024 Patrick Brodie, Monika Fratzak, Olga Gkotsopoulou, Monika Halkort, Rolien Hoyng, Paul Quinn, **Eric Nost**, Jo Bates. Environmental Data Power. In *Dialogues in Data Power: Shifting Response-abilities in a Datified World*. Bristol University Press. [Link](#).
- 2022 Drakopoulos, L; Hawkins, R; **Nost, E**; Silver, J, A shark in your pocket, a bird in your hand(held): visuality, spectacle and emotion in digital conservation apps, *Digital Environmental Humanities*
- 2022 Walker, D., **E. Nost**, A. Lemelin, R. Lave, L. Dillon, and EDGI. 2022. Infrastructuring environmental data justice. In *The Nature of Data: Politics, Environment, and Infrastructure*, eds. J. Goldstein and **E. Nost**.
- 2022 Goldstein, J. and **E. Nost**. Introduction: Infrastructuring Environmental Data. In *The Nature of Data: Politics, Environment, and Infrastructure*, eds. J. Goldstein and **E. Nost**.
- 2022 Lave, R., **E. Nost**, and J. Goldstein. Conclusion: Toward a Political Ecology of Data. In *The Nature of Data: Politics, Environment, and Infrastructure*, eds. J. Goldstein and **E. Nost**.

Commentary

- 2024 **Nost, E.** Governing AI, Governing Climate Change? *Geo*. [Link](#).
- 2020 **Nost, E.** S. Wylie, K. Breseman, G. Gehrke, C. Sellers, L. Vera, L. Richter, B. Mansfield, and Environmental Data & Governance Initiative (EDGI). A Green New Deal for Environmental Data. *Science for the People*. 23(2): 72-75.
- 2013 Crampton, J. W., J. Bowen, D. Cockayne, B. Cook, **E. Nost**, L. Shade, L. Sharp, and M. Jacobsen. 2013. "Commentary: Whose geography? Which publics?" *Dialogues in Human Geography* 3: 73-76. [PDF](#).

Book reviews

- 2020 **Nost, E.** "Review of: *Remaking New Orleans: Beyond Exceptionalism and Authenticity*." *Southeastern Geographer*. [Link](#).
- 2015 **Nost, E.** "American Coast, Imperiled Energy. A review of Jason P. Theriot's *American Energy, Imperiled Coast*." *Southern Spaces*. [Link](#)
- 2013 **Nost, E.** "Review of Rebecca Lave's *Fields and Streams: Stream Restoration, Neoliberalism, and the Future of Environmental Science*." *Southeastern Geographer* 54(2):208-210. [PDF](#).

Cartography

Portfolio:

- 2018 **Nost, E.** and M. Kelly. "Land Loss and Restoration in Coastal Louisiana: 1932-2009" in *Water: An Atlas*. Guerrilla Cartography.

Manuals

- 2023 **Nost, E.** and Breseman, K. Exploring Safe Drinking Water in New Jersey. [ew-sdwa-nj.streamlit.app](#)
- 2022 **Nost, E.**, Raisle, M., Hansen, S., Breseman, K., Vera, L., Wylie, S. and the Environmental Data and Governance Initiative. Owning Up: A Tool to Measure US Carbon Emissions by Corporations. [Link](#).
- 2021 **Nost, E.**, Raisle, M., Hansen, S., Breseman, K., Vera, L., Wylie, S. and the Environmental Data and Governance Initiative. What's in my Watershed? A Tool for Community Analysis of Water Pollution and Polluters. [Link](#).

Reports

- 2024 Gehrke, G., **E. Nost**, and EDGI. Public comment on "Request for Information To Support the Development of a Federal Environmental Justice Science, Data, and Research Plan." [Link](#).
- 2023 **Nost, E.** and R.S. Digital Conservation Practices and Perspectives: Summary of Findings from Surveys and Web Searches. [Link](#).
- 2023 Sellers, C., **E. Nost**, L. Fredrickson, and EDGI. EPA Enforcement Still Struggling to Recover Under Biden. [Link](#).
- 2022 Underhill, V., L. Vera, **E. Nost**, K. Wilkins, M. Sonnenday, S. Wylie, and EDGI. 50 Years After the Clean

- Water Act, Toxic Chemicals it Regulates are Still Used in Fracking. [Link](#).
- 2022 **Nost, E.**, S. Wylie, O. Chang, Olin College PlnT, K. Breseman, S. Hansen, L. Vera, and EDGI. How Data Gaps and Disparities in EPA Data Undermine Climate and Environmental Justice Screening Tools. [Link](#).
- 2022 **Nost, E.**, L. Hogan, S. Wylie, and EDGI. Refining CEJST by Including Compliance and Inspection Data and Analysis by Industrial Sector. [Link](#). 2021 Gehrke, G., M. Beck, A. Paz, A. Wilson, **E. Nost**, G. Poudrier, and EDGI. Access Denied: Federal Web Governance Under the Trump Administration. [Link](#).
- 2020 Wylie, S., L. Fredrickson, M. Raisle, **E. Nost**, S. Hansen, M. Unseld, E. Pawley, J.y Turner, C. Alder, K. Breseman, and EDGI. Democratizing Data: Environmental Enforcement Watch’s Report Cards for Congressional Oversight of the EPA. [Link](#).
- 2020 Sellers, C., M. Sullivan, K. Breseman, **E. Nost** and EDGI. An Embattled Landscape Series, Part 2b: The Declining Capacity of Federal Environmental Science. [Link](#).
- 2020 Sellers, C., L. Fredrickson, A. Cordner, K. Breseman, **E. Nost**, K. Wilkins, and EDGI. An Embattled Landscape Series, Part 2a: Coronavirus and the Three-Year Trump Quest to Slash Science at the CDC. [Link](#).
- 2019 **Nost, E.**, G. Gehrke, A. Lemelin, S. Braun, M. Beck, R. Brackett, D. Allan, S. Wylie, K. Breseman, S. Knutson, A. Aizman, M. Anjur-Dietrich, S. Johns, K. Kulik, K. Nguyen, T. Rinberg, J. Wylie, EDGI. The New Digital Landscape - How the Trump Administration has Undermined Federal Web Infrastructures for Climate Information. [Link](#).
- 2019 Gehrke, G., et al. Website Actions by Federal Environmental Agencies During the Government Shutdown, Including Broad Restriction of Access on NOAA Websites. [Link](#).
- 2019 **Nost, E.** DOI Further Restricts Access to Climate Change Web Pages. [Link](#).
- 2018 **Nost, E.** EPA Discontinues Updates to Climate Change Website. [Link](#).
- 2018 Gehrke et al. Continued Access to Online EPA Resources Relevant to the Clean Power Plan is Important for Public Engagement in Rulemaking. [Link](#).
- 2018 Rinberg, T. et al. “Part 3 -Changing the Digital Climate: How Climate Change Web Content Is Being Censored Under the Trump Administration.” Environmental Data and Governance Initiative (EDGI). [Link](#).
- 2010 McCue, M., P. Deaton, and **E. Nost**. “Iowa Coal and Health: A Preliminary Mapping Project,” Physicians for Social Responsibility. [PDF](#).

Blogs

- 2024 **Nost, E.**, L. Vera, S. Hansen, K. Breseman, S. Wylie, and EDGI. [Link](#).
- 2022 Evans, K., **E. Nost**, and S. Wylie. An EDJ Approach to Canada’s Bill C-226. [Link](#).
- 2021 Gehrke, G., M. Beck, **E. Nost**, and S. Lenke Stoll. Censorship of Federal Environmental Agency Websites Under Trump: What We Learned and How to Protect Public Information Moving Forward. Union of Concerned Scientists. [Link](#).
- 2021 **Nost, E.**, G. Gehrke, and K. Breseman. EPA Administrator Pick Michael Regan’s Enforcement Track Record is Promising. [Link](#).
- 2020 **Nost, E.** How to read U.S. election maps as votes are being counted. *The Conversation*. [Link](#).
- 2020 Bhat, M. et al. Bio-Lab’s Toxic Record Presages Chlorine-Fueled Fire Following Hurricane Laura. [Link](#).
- 2020 Breseman, K., **E. Nost**, G. Gehrke, C. Sellers, M. Beck, P. Brown, L. Vera, EDGI. EPA’s Covid Leniency is a Free Pass to Pollute. [Link](#).
- 2019 Sellers, C. and EDGI. Goodbye to ToxMap – and Our Environmental Right-to-Know. [Link](#).
- 2019 EDGI’s Website Monitoring Team. Examples of Changes to the EPA Website that Undermine Public Access to Scientific Information. [Link](#).
- 2018 **Nost, E.**, G. Gehrke, and EDGI. EPA Discontinues Updates to Climate Change Website. [Link](#).
- 2017 Rinberg, T., A. Bergman, and **E. Nost**. “EPA’s Website Overhaul Continues: Climate Resources Left Out of the Update to the “Climate and Energy Resources for State, Local, and Tribal Governments” Website” Environmental Data Governance Initiative. [Link](#).
- 2017 **Nost, E.** “Making Map-Based Data Dashboards with AngularJS.” UW-Madison Cartography Lab Blog. [Link](#) (dead). [Link](#).
- 2014-17 [Edge Effects](#). Selected posts:
- w/ Andy Davey, “Feeling Toxic: Listening to Environmental Suffering and Resentment on the

- Political Right,” 4/11/17 [Link](#).
 - “Vocabularies for technology, nature, and the Anthropocene: An interview with Scott Kirsch,” 3/15/16
 - w/ Garrett Nelson, “From Yavin’s Moon to the Pit of Carkoon: 7 Ways Space and Place in *Star Wars* Explain Galactic Conflict” 12/17/15
 - w/ others, “Measuring the Anthropocene” 6/16/15
 - w/ others, “Nature’s Finance: Perspectives on Markets and Conservation” 6/9/15
 - “What does quantum computing mean for conservation?” 10/16/14
- 2012 **Nost, E.** “Rethinking ‘Sustainable Development,’ or, Better Living through Geography.” *Anthropologies*. [Link](#).

GRANTS AND AWARDS

2022-24	PI, SSHRC Institutional Grant - Explore, “What Can Canada Learn from US Environmental Justice Tools?”	\$7,000
2022-25	Co-PI, Arrell Food Institute, “A WebGIS Platform for Identifying Agri-Environmental Hot Spots in the Lake Erie Basin at a Field Scale”	\$35k
2021	Collaborator, US National Science Foundation, “Socio-economic patterns, public perceptions, and climate vulnerabilities of water resources and water quality in the NY-NJ Watershed”	\$5,000
2021	Collaborator, Earth Science Information Partners, “Developing an Environmental Enforcement Data Portal for Grassroots and Congressional Action”	\$10,000
2020	Collaborator, Code for Science & Society, “Environmental Enforcement Watch: Open Data Science for Environmental Justice”	\$20,000
2020	PI, UoG COVID-19 Catalyst Grant, “COVID through the eyes of grocery store workers”	\$5,000
2020-	PI, SSHRC Insight Development Grant, “Digital conservation perspectives and practices”	\$39k
2019-21	Co-PI, Arrell Food Institute, “Accounting for Soil Organic in Profitability Maps”	\$34k
2018-20	PI, SSHRC Institutional Grant - Explore, “Mapping Precision Conservation”	\$5,000
2017	Tulane University Center for Enhanced Learning and Teaching Award	\$150
2017	Tulane University Undergraduate Activities Fund	\$150
2017	AAG Dissertation Award	\$1,000
2017	AAG Cartography Specialty Group Student Illustrated Paper Competition 3rd Place (w/ others)	\$100
2017	UW Vilas Conference Travel Award	\$600
2016	North American Cartographic Information Society (NACIS) Travel Award	\$300
2016	University of Wisconsin-Madison Cartography Lab Design Challenge, 1st Place - Innovation in Paleoecology (w/ Garrett Dash Nelson and Elliot Vaughan)	\$250
2016	UW Vilas Research Travel Award	
2015-17	UW Holtz Center for Science and Technology Studies (STS) Top-Up Fellowship	\$4,000
2015, 2016	UW Holtz Center for STS, Research Travel Award	\$500
2015	UW Cartography Lab Design Challenge, 1st Place - Visual Story (w/ Evan Applegate)	\$250
2015, 2017	UW Department of Geography Trewartha Travel Award	\$500
2014	UW Center for Culture, History, and Environment Graduate Student Research and Travel Grant	\$1,800
2014, 16, 17	UW Department of Geography Odebolt Travel Award	\$500
2014	UW Department of Geography Trewartha Research Award	\$600
2012	University of Kentucky Barnhart-Whittington Award	\$500
2011-13	UK Daniel R. Reedy Quality Achievement Award	\$6,000
2011	AAG Recreation, Tourism, and Sport Speciality Group Student Paper Award 1st Place	\$100
2008	Collaborator, Davis Projects for Peace	\$10,000

GUEST LECTURES

- “Technology and COVID”, UNIV*2020 University of Guelph | November 3 2020
- “Using Jupyter Notebooks to explore US EPA’s environmental enforcement and compliance data” for Stony Brook University environmental history course | May 7 2020
- “Mixed method and other research approaches” for Clark University undergraduate research seminar | March 24 2020
- “Climate services for whom?” for Cornell University Urban and Regional Planning PhD Seminar | November 20 2019

“Workshop: data-driven precision agriculture,” for First Year Seminar: Food Systems, University of Guelph | October 28 2019

“Webmapping,” for Applications of Environmental Research, Tulane University | October 18 2017

“Programming Resilience: Computer Modeling and the Making of Louisiana’s Coastal Master Plan,” Department of Geography, University of Guelph | May 16 2017

“Preparing for future disasters, making people vulnerable?” for Cartographies of Environmental Disasters, Middlebury College | January 18 2017

“Planning resilience: restoration science and policy in the US Gulf Coast” for Environmental Studies Senior Colloquium, Tulane University | January 21 2015

PRESENTATIONS

Panelist, “Assessing Environmental Racism,” ECCC Environmental Justice and Racism Symposium, September 13-14 2024

Series Speaker, “Advancing ecology and environmental data science for a more just and equitable future”, NCEAS DEI seminar series, May 2024

Keynote, “Automated Social Control”, UNC-Wilmington, April 2024

Panelist, “At the crossroads of data, environment, climate justice: Extractivism, colonialism, and participation in environmental research”, Columbia University, April 2024

Co-author, “Situating Data for Drinking Water Justice in New Jersey”, Ethical Practices and Pedagogies in the Social Sciences: Geospatial Data, Validity, and Fairness, Florida International University, January 2024

Co-author, “Digital Conservation Practices and Perspectives in the Anthropocene,” CAG 2023

Co-author, “Nature’s Gig: Pop-Up Habitats and Airbnbs for the Environment,” AAG 2023

Co-author, “What’s in the Water? Uncovering Hidden Stories in Federal Environmental Data,” ScienceWriters2022. [Link](#).

Panelist, “AI Here and There: Transatlantic Dialogues on Artificial Intelligence, Society and Innovation”, NYU Center for Responsible AI / Swiss Consulate, April 2021

Co-author, AAG 2021 - EEW! Computational Praxis and Alternative Data Infrastructure towards Environmental Data Justice

Panelist, EEW Democratizing Data report release event, October 2020

Co-author, “Using Jupyter Notebooks to Empower the Public with Environmental Data” JupyterCon
<https://cfp.jupytercon.com/2020/schedule/presentation/130/empowering-the-public-with-environmental-data/>

Co-author, “Using Jupyter Notebooks to Empower the Public with Environmental Data” PyConAu

Co-author, “Developing publicly accessible data analytic tools to understand EPA’s COVID policy on environmental enforcement” AGU

Co-author, “Earth for AI? Digital political ecologies of artificial intelligence”, 10th Annual Dimensions of Political Ecology (DOPE), Lexington, KY.

Co-author, “Barriers and opportunities for breast cancer organizations to focus on environmental health and disease prevention: a mixed-methods approach using website analyses, interviews, and focus groups,” Breast Cancer and the Environment Research Program (BCERP) 14th Annual Meeting, Atlanta, GA

Co-author, "Making federal government science websites publicly accessible and accountable: findings and recommendations of The Environmental Data and Governance Initiative", 2019 American Geophysical Union (AGU) annual meeting, San Francisco, CA

Co-author, “New but for Whom? Discourses of Innovation in Digital Agriculture” in *Digital Innovations and the Future(s) of Agriculture*, 2019 Society for Social Studies of Science (4S) annual meeting, NOLA

Co-author, “Algorithmic climate politics?” in *Algorithms and Climate Change: Knowing, Acting, Governing I*, 2019 AAG annual meeting, Washington DC

Co-author, “Representing Complexity in Mountain Social-Ecological Models: Linking Design and Application” in Mountain Futures 3, 2019 AAG annual meeting, Washington DC

Co-author, “Airbnb as a new form of tourism gentrification in New Orleans: Examining the growth of short term rentals (STRs) and impacts on rental housing affordability” in *Digital Tourism and Inequality*, 2019 AAG annual meeting, Washington, DC

Co-presenter, “Airbnb as a new form of tourism gentrification in New Orleans: Examining the growth of short term rentals (STRs) and impacts on rental housing affordability” in *Tourism, Digital Technology and Geographies of Urban Inequality*, 2018 AAG annual meeting, New Orleans, LA

Panelist, *Critically Interrogating the Environmental Regulatory State: Methodological and Ethical Challenges*, 2018 AAG annual meeting, New Orleans, LA

Panelist, *Making Smarter Environments*, 2018 AAG annual meeting, New Orleans, LA

“Evaluating map design and funding of ecosystem services models,” 2017 North American Cartographic Information Systems (NACIS) conference, Montreal, QC

“Visualizing the North American hazardous waste trade” in *Cartography Specialty Group (CSG) Student Illustrated Paper Competition (SIPC)*, 2017 AAG annual meeting, Boston, MA

“Accommodation and resistance: Data politics in Louisiana’s coastal Master Plan,” in *Global Politics and Economies of Climate Services*, 2017 AAG annual meeting, Boston, MA

“Introduction to programming webmaps (with D3.js),” #MaptimeMadison, Madison, WI, March 27 2016

“Measuring history: the remaking of Oregon’s ecosystem services markets” in *Historical Dimensions of Political Ecology*, 7th annual Dimensions of Political Ecology (DOPE) annual conference, Lexington, KY

“Challenges and opportunities to mapping transnational flows of hazardous waste,” 2016 NACIS conference, Colorado Springs, CO

“The value and limits of big data: towards a political ecology approach,” in *Political Ecologies of Technology: 1*, 2016 Association of American Geographers (AAG) annual meeting, San Francisco, CA

Panelist, *Methods & fieldwork in political ecology: How we do the work we do and how we might do it better*, 2016 AAG annual meeting, San Francisco, CA

Panelist, *State, Market, and Shifting Bureaucratic Capacities*, 2016 AAG annual meeting, San Francisco, CA

“The value and limits of big data: towards a political ecology approach,” 6th annual Dimensions of Political Ecology (DOPE) annual conference, Lexington, KY

“Performing natural capital,” in *Valuation Studies: The Processes and Politics of Valuing in the World*, 2015 4S meeting, Denver, CO

Panelist, “Collaborative work in geography,” Department of Geography, UW-Madison, November 6 2015

“Performing natural capital, and the law of value” in *The Value of Capitalist Natures*, 2015 AAG annual meeting, Chicago, IL

Discussant, *Remote Control*, 2015 AAG annual meeting, Chicago, IL

“Optimizing Nature: Ecosystem Services Modelling and Markets in Oregon” in *Lively commodities*, 2014 AAG annual meeting, Tampa Bay, FL

“Climate machines: optimization in the age of resiliency” in *Environment and Design*, 4th annual Dimensions of Political Ecology (DOPE) conference, Lexington, KY

“A history of ecosystem services,” UW Center on Culture, History, and the Environment graduate student symposium, February 8 2014, Madison, WI.

“Scaling up? Difficulties in the prioritization, selection, and evaluation of restoration sites for Oregon’s ecosystem services market,” Society for Ecological Restoration 2013 World Conference on Ecological Restoration, October 2013, Madison, WI

“Measuring and marketing ecosystem services, functions, and values in Oregon,” Grabbing ‘Green’: Questioning the Green Economy conference, May 2013, Toronto, ON

“Measuring and marketing ecosystem services, functions, and values in Oregon” in *Blue and Green Economies: Paradigm shift or hegemonic realignment in environmental discourse?* AAG annual meeting, April 2013, Los Angeles, CA

“Code/nature: measuring and marketing ecosystem services spatially in Oregon” in *Politics of Ecosystem Services III*, DOPE Conference, March 2013, Lexington, KY

“Measuring, Marketing, and Metabolizing Ecosystem Services, Functions, and Values in Oregon” in *Practicing, Governing, Knowing II*, 19th Annual Critical Geography Mini Conference, November 2012, Chapel Hill, NC

“Scaling-up Local Foods: The Matter of Nature on a Kentucky CSA Farm” in *Political Ecology I: Agro-Food Movements*, AAG Southeastern Division annual meeting, November 2012, Asheville, NC

“Scaling-Up: Local Foods as Communities or Commodities?” in *Political Ecologies of Social Movements III: Food*, April 14 2012, DOPE Conference on Nature/Society, Lexington, KY.

Discussant, “Advancing debates on sustainable and local food”, 28 February 2012, AAG annual meeting, New York, NY

“‘Where to Have It’: Defetishizing Local Foods” in *Theorizing the Geographies of Food: New Directions and Interventions for Alternative Food Praxis I*, 25 February 2012, AAG annual meeting, New York, NY

“‘Where to Have It’: Local Foods as Communities or Commodities?” AAG Southeastern Division annual meeting, November 2011, Savannah, GA

“Scaling-up: Local Foods as Communities or Commodities?” Hoosier Food Symposium, November 2011, Bloomington, IN

“‘Where to Have It’: Local Foods as Communities and Commodities,” Sustainable Agriculture Education Association annual meeting, August 2011, Lexington, KY

“The Power of Place: Tourism and Development in the *Caribe Sur* of Costa Rica” in *Tourism Geographies, 'Sustainabilities' and Global Change I: Southern Perspectives*, April 2011, AAG Annual Meeting, Seattle, WA

“The Power of Place: Tourism and Development in the *Caribe Sur* of Costa Rica,” October 2010, West Lakes division AAG meeting, Macomb, IL

“Tourism, Development, and Place in the *Caribe Sur* of Costa Rica,” May 2009, Grinnell College, Grinnell, IA

“Environmental Attitudes of Immigrants to the U.S.,” May 2009, Grinnell College, Grinnell, IA

EVENTS ORGANIZED

Co-organizer, *Politics of AI and the Environment*, AAG annual meeting 2025, Detroit MI.

Co-organizer, Conservation Data Justice Workshop, Spain, 2024

Co-organizer, Smart Earth in Environmental Governance, AAG 2023

Co-organizer, Workshop: Digital Methods for Environmental Accountability and Justice, DOPE 2020

Co-organizer, *Digital Geographies*, CAG-ONT Annual Meeting 2019.

Co-organizer, *Southern Ontario-ish Digital Geographies Workshop*, CAG-ONT Annual Meeting 2019.

Co-organizer, *Algorithms and Climate Change: Knowing, Acting, Governing I-II*, AAG 2019.

Co-organizer, *Digital Natures: Critical Practices of Environmental Modeling in the Age of Big Data*, AAG annual meeting, April 2018, New Orleans, LA

Co-organizer, *Data infrastructures, nature, politics I-II*, AAG annual meeting, April 2017, Boston, MA

Co-organizer, *Historical Dimensions of Political Ecology I-III*, 7th annual Dimensions of Political Ecology (DOPE) conference, February 2017, Lexington, KY

Co-organizer, *Political Ecologies of Technology I-II*, AAG annual meeting, April 2016, San Francisco, CA

Co-organizer, *Political Ecologies of Technology I-II*, 6th annual Dimensions of Political Ecology (DOPE) conference, March 2016, Lexington, KY

Co-organizer, *Environmental Statecraft I-II*, 6th annual Dimensions of Political Ecology (DOPE) conference, March 2016, Lexington, KY

Co-organizer, 14th Annual Geography Graduate Student Symposium, University of Wisconsin-Madison, 2015

Co-organizer, *The production and circulation of value in, of, and for nature I-II*, 5th annual Dimensions of Political Ecology (DOPE) conference, February 28 2015, Lexington, KY

Co-organizer, *Code/nature and political ecologies of technology I-II*, 5th annual DOPE conference, February 28 2015, Lexington, KY

Co-organizer, *Nature's Finance*, UW Center on Culture, History, and the Environment graduate student symposium, February 8 2015, Madison, WI.

Co-organizer, 5th Annual Upper Midwest Nature/Society Workshop, 2014

Co-organizer, *Environment and Design I-II*, 4th annual Dimensions of Political Ecology (DOPE) conference, March 2014, Lexington, KY

Co-organizer, *Political Ecology - Speculative Texts*, 4th annual Dimensions of Political Ecology (DOPE) conference, March 2014, Lexington, KY

Co-organizer, *Conservation Governance I-II*, AAG annual meeting, April 2013, Los Angeles, CA

Politics of Ecosystem Services I-III, 3rd Annual Dimensions of Political Ecology (DOPE) Conference, March 2013, Lexington, KY

Co-organizer, *Political Ecology I-III*, AAG Southeastern Division annual meeting, November 2012, Asheville, NC

Political Ecologies of Social Movements I-III, 2nd Annual DOPE Conference, April 2012, Lexington, KY

Co-organizer, Graduate Student Invited Speaker event, University of Kentucky Department of Geography, 2011-2012

TEACHING

Summer 2025

Conservation Tools and Technology [overload]

Summer 2024

Conservation Tools and Technology [overload]

Graduate independent study: Cluster Analysis for EJ

Winter 2024

Mapping and GIS

Human-Environment Relations

Graduate independent study: Spatial Analysis

Undergraduate independent study: Mapping food retail environments and access

Fall 2023

Mapping and GIS

Human Impact on the Environment

Graduate independent study (second reader): Adaptive SAR Thresholding for Surface Water Detection in the Lake

Erie Watershed: A Google Earth Engine Approach

Summer 2023

Conservation Tools and Technology [overload]

Undergraduate independent study: Digital Agriculture in Canada

Winter 2023

Human-Environment Relations

Human Impact on the Environment DE [developed]

Undergraduate independent study: Geocomputation

Graduate independent study: Spatial analysis for environmental justice

Fall 2022

GIS for Decision-Making [developed]

Mapping and GIS

Summer 2022

Conservation Tools and Technology [overload]

Winter 2022 (partially remote / hybrid)

Contemporary Geographic Thought

Research Methods II

Undergraduate independent study: Environmental Data Justice in Canada

Graduate independent study (second reader): Digital Geographies

Fall 2021 (hybrid)

Mapping and GIS

Human Impact on the Environment

Summer 2021 (remote)

Conservation Tools and Technology

Winter 2021 (remote)

Mapping and GIS

Conservation Tools and Technology [developed]

Fall 2020 (remote)

Mapping and GIS

Human Impact on the Environment

Graduate independent study: Conservation Tools and Technology

Winter 2020 (partially remote)

Mapping and GIS

Human Impact on the Environment

Undergraduate independent study: Multiscalar webmapping of climate change

Undergraduate independent study: Mapping smart city impacts

Fall 2019

Mapping and GIS

Contemporary Geographic Thought

Winter 2019

Mapping and GIS

Human Impact on the Environment

Graduate independent study: Interactive mapping to support stakeholder engagement processes

Fall 2018

Mapping and GIS

Fall 2017

Environmental Studies 3950: Comparative Agriculture | Tulane University | [syllabus](#)

Summer 2017

Geography/Environmental Studies 309: People, Land, and Food: Comparative Study of Agriculture Systems | UW-Madison | [syllabus](#)

Teaching Assistant, 2014-2015

Geography/Environmental Studies 339: Environmental Conservation | UW-Madison | [syllabus](#)

Reader/Grader, 2013-2017

Geography 377: Introduction to GIS | UW-Madison

Geography/Environmental Studies 339: Environmental Conservation | UW-Madison

Geography 139: Living in the Global Environment | UW-Madison

WORKSHOPS

2021 Community Engaged Scholarship Institute Summer Intensive, University of Guelph

2019 AAG Graduate Faculty Development Association Early Career Workshop, Washington, D.C.

2018 Teaching and Learning Innovation Workshop - Experiential Learning, University of Guelph

2018 Toward a Pedagogy of Effective Thesis and Dissertation Feedback Processes, University of Guelph

2017 Place-Based Workshop: The Danube River, Rachel Carson Center at LMU Munich

2018 Summer Institute on Critical Studies of Environmental Governance, University of Toronto

2017 International Interdisciplinary Summer School on Political Ecology, Forum Scientiarum at Tübingen University

2016 STS Summer School: Enclosing/Disclosing, UW Holtz Center for STS

COLLABORATORS

Co-advisor

Dr. Alex Glaros (post-doc) (2025-2027)

Dr. Lauren Drakopolous (post-doc) (2019-2021)

STUDENTS

Advisor

Hope Jesmer (MA-thesis)

Jill McIntyre (MA-thesis) (graduated)

Aidan O'Brien (MA-thesis) (graduated)

Mahya Ashtiani (MA-thesis) (graduated)

Noah Singer (MA-project) (graduated)

Alex Glaros (Ph.D) (graduated)

Committee

member, Jingya Dai (PhD - UBCO)

member, Manjurul Islam (PhD)

member, Michael Molloy (PhD - University of Missouri)

member, Leah Govia (PhD)

member, Emily Duncan (PhD) (graduated)

member, Peter Bradley (MA-thesis)

member (QE), Chloe Alexander (PhD)

member (QE), Ece Ikiz (PhD)

member (QE), Oveka Obroh (PhD)

member, Olivia Rirchardson (MA-thesis) (graduated)

member, Vanessa Smikle (MA-thesis) (graduated)

member, Sarah Marquis (MA-thesis) (graduated)

member, Jude Keefe (MA-project) (graduated)

member, Jasmeen Bhangu (MA-project) (graduated)

examiner, Connor Russell (MA-thesis) (graduated)

examiner, Juan Astaburuaga (PhD - University of Auckland) (graduated)
examiner, Emily de Sousa (MSc-thesis) (graduated)
examiner, Katherine Shirriff (MSc-thesis) (graduated)
defense chair (QE), Shamsudeen Yekeen (PhD)
defense chair (QE), Jacob Mardian (PhD)
defense chair, Jocelyn Faulkner (MA-thesis) (graduated)
defense chair, Simon Gudim (MSc-thesis) (graduated)
defense chair, Brynn Fromknecht (MA-thesis) (graduated)

Undergraduate

2022 URA supervisor, Rhiannon Sczewsyk
2021 URA supervisor, Rhiannon Sczewsyk
2020 URA co-supervisor, Zoey Ross
2019 URA supervisor, Zoey Ross

MEMBERSHIP AND SERVICE

Committees

University Strategic Transformation Advisory Group	Member 2023-
BA Geography & Co-Op	Faculty Advisor 2022-2024
BA Environmental Governance	Faculty Advisor 2018-2022
MCL Program Committee	Member 2020-
Undergraduate Curriculum Committee	Member 2020-
GIER Governance Committee	Member 2020-2022
	Chair 2022-2024
Working group on GEG Guiding Principles and Standards	Member 2021-2022
Kinross Chair Selection Committee	Member 2021

External

2024-present External Advisory Board, Community Engagement Core - NC Centers for Coasts, Algae, People, and the Environment

Editorial

2024-present Editorial Board, *Geo*

Peer review

2024

W. W. Norton - *Environmental Science and Sustainability* (1)
Political Geography (1)
The Carnegie Trust for the Universities of Scotland (1)
Cleaner Water (1)
4th Canadian edition of Environment: The Science Behind the Stories by Withgott et al.
Progress in Environmental Geography (1)
Environment and Planning: D (1)
Environmental Sociology (1)
Journal of Urban Technology (1)
Environment and Planning: A (1)
Progress in Human Geography (1)
Environment and Planning: E (1)
Oryx (1)
Trends in Ecology and Evolution (1)

2023

Environmental Science and Policy (1)
Journal of Peasant Studies (1)

Geoforum (1)
Environment and Planning D: Society and Space (1)
NSF (1)
Science, Technology and Human Values (1)
Agriculture and Human Values (2)
Progress in Environmental Geography (1)
Environment and Planning: F (1)
Environment and Planning: E (2)
Geo: Geography and Environment (1)

2022

Conservation Biology (1)
Bristol University Press proposal (1)
New Genetics and Society (1)
Progress in Environmental Geography (1)
Swiss NSF (1)
Society and Natural Resources (1)
Geoforum (1)
Sociological Inquiry (1)
Environmental Modelling and Software (1)
Big Data and Society (1)
Routledge textbook proposal (1)
Journal of Environmental Policy & Planning (1)
Technology in Society (1)
Journal of Cultural Economy (1)
Journal of Rural Studies (1)

2021

SSHRC (1)
Environment and Planning E: Nature and Space (1)
Environmental Management (1)
Swiss NSF (1)
Environmental Politics (1)
Nature Communications (1)
Journal of Environmental Planning and Management (1)
Nature and Culture (1)
Climate Services (1)
Journal of Environmental Studies and Sciences (1)

2020

Annals of the American Association of Geographers (1)
SSHRC (1)
Antipode (1)
Journal of Interdisciplinary Science (1)
Geoforum (1)
Journal of Rural Studies (1)
Journal of Environmental Planning and Management (1)
Society and Natural Resources (1)
International Environmental Agreements: Politics, Law and Economics (1)
Environment and Planning E: Nature and Space (1)
Environmental Science and Policy (1)
Journal of Development Studies (1)
Environment and Society: Advances in Research (1)

2019

Geoforum (1)

Journal for Nature Conservation (1)

Biological Conservation (1)

Journal of Telecommunications Policy (1)

Macmillan (two textbook chapters) (1)

Journal of Cultural Economy (1)

Science as Culture (1)

2018

Journal of Rural Studies (2)

Climatic Change (1)

Environmental Science and Policy (1)

2017

Annals of the American Association of Geographers (1)

Canadian Journal of Development Studies (1)

2016

Guerrilla Cartography (1)

The Canadian Geographer / Le Géographe canadien (1)

Ecological Economics (1)

Agriculture and Human Values (2)

Ecosystem Services (1)

Journal of Historical Geography (1),

Marine Policy (1)

2015

Conservation and Society (2)

Tourism Geographies (3)

Culture, Agriculture, Food, and Environment (1)

Organizations

Member, Canadian Open Data Society, 2022-present

Coordinating Committee, Environmental Data and Governance Initiative, 2020-2022, 2023

Affiliate, Guelph Institute for Environmental Research (GIER), 2019-2024

Member, Environmental Data and Governance Initiative, 2017-present

Affiliate, Holtz Center for STS, University of Wisconsin-Madison, 2015-2018

Affiliate, Center for Culture, History, and the Environment, University of Wisconsin-Madison 2013-2018

Member, Associate Director search committee, Spring 2016

Co-organizer, Place-Based Workshop: The Upper Mississippi River, Spring 2016

Human Environment Research Dynamic, University of Wisconsin-Madison 2013-2018

Co-organizer, 2015-2016

University of Kentucky Political Ecology Working Group, 2011-2013

American Association of Geographers (AAG), 2009-present

Cultural and Political Ecology speciality group, 2009-present

West Lakes division, 2010

SEDAAG division, 2011-2012

Volunteer, AAG Annual Meeting, 2010-12, 2017

Campus Advisory Committee on Environmental Concerns (EcoCampus), Grinnell College, 2007-2009

Geography SEPC (Student Educational Policy Committee) faculty search, Grinnell College, 2006

LANGUAGES

English - first

Spanish - advanced

French - intermediate

PROGRAMMING

Advanced:

HTML

CSS

JavaScript (D3, Angular, Leaflet, jQuery)

Python (Jupyter Notebooks, Pandas)

R

Intermediate:

PostgreSQL/PostGIS

Basic:

PHP

Programs: ArcGIS, QGIS, Excel - advanced | Illustrator, Photoshop, Nvivo - basic

OTHER

Coursera certificates: Machine Learning, Introduction to Natural Capital