

Meghan R. Klasic

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University of Minnesota | Dept of Forest Resources | 115 Green Hall

EDUCATION

- 2021 **Ph.D.**, Geography, Dept. of Environmental Science and Policy
Designated Emphasis: Computational Social Science
University of California, Davis, Davis, CA
Dissertation Committee: Mark Lubell (Chair), Gwen Arnold, Abigail York (Arizona State U)
- 2013 **M.Sc.**, Environmental Planning and Management (with Honors)
Whiting School of Engineering
Johns Hopkins University, Baltimore, MD
- 2006 **B.Sc.**, Environmental Science, Dept. of Environmental Studies (with Honors)
Dickinson College, Carlisle, PA
Honors Thesis: Submerged Aquatic Vegetation (SAV) as a Bio-Indicator of Stream Health
- 2006 Watershed Management: Chesapeake Bay and Mississippi River Delta (Luce Semester, Fall)
- 2005 Organic Chemistry and Marine Biology (U of Queensland, Australia, Spring)
- 2004 Sustainable Tropical Ecology (School for Field Studies, Costa Rica, Fall)

APPOINTMENTS

- 2022–present **Postdoctoral Scholar**, Forest Resources, University of Minnesota
“Advocacy in Environmental Policies and Practices”, Minneapolis-St. Paul Metropolitan Area (MSP) Long Term Ecological Research Program
- 2021 **Research Specialist 4**, Forest Resources, University of Minnesota
“Advocacy in Environmental Policies and Practices”, Minneapolis-St. Paul Metropolitan Area (MSP) Long Term Ecological Research Program

RESEARCH EXPERIENCE

- 2019–present **Graduate Student Researcher**, Anthropology, UC Davis
2021–present: “Mapping Production of Knowledge: Women and Gender in the Arab World”
2020–21: “Muslim Women of the Arab World”
2019: “Sustainable Research and Training Program: The Next Generation of Communities”
- 2020–2021 **Graduate Student Researcher**, Environmental Science and Policy, UC Davis
“Escaping the Boom-Bust Cycle: Identifying Sustainable Governance Strategies for Shale-Dependent Communities”
- 2018 **Visiting Research Fellow**, Swiss Federal Institute of Aquatic Science and Technology (EAWAG) & U of Bern
“Using People to Understand Policy: A Water Quality Quandary in Two Transboundary Lake Systems”

- 2015–18 **Graduate Student Researcher**, Policy Institute of Energy, Environment, and Economy at UC Davis
 2017–18: “Drought Planning and Climate Adaptation of Small Self-Sufficient Water Utilities in California”
 2015–17: “Integrating Information from Climate Scientists and Resource Managers: Informing Preparedness and Adaptation to Extreme Event Impacts on Air and Water Quality in California”
- 2006–08 **Fellow**, Oak Ridge Institute of Science and Education (ORISE), Washington, D.C. U.S. Environmental Protection Agency, Office of Wetlands, Oceans, and Watersheds “Policy and Communications on Watershed Management Tools”

PUBLICATIONS

Peer-Reviewed Manuscripts

- 2022 **Klasic, M.**, Fencl, A., Ekstrom, J., and Ford, A. “Adapting to extreme events: Small drinking water system manager perspectives on the 2012–2016 California Drought.” *Climatic Change* 170(26).
- 2022 Arnold, G., **Klasic, M.**, Gottlieb Schomburg, M., and York, A, Baum, M., Cherin, M., Cliff, S., Kavousi, P., Miller, T., Jordan, A., Shajari, D., Wang, Y., Zialcita L. 2022. “Boom, Bust, Action! How communities can cope with boom-bust cycles in unconventional oil and gas development.” *Review of Policy Research* 39(541–69).
- (Accepted) **Klasic, M.**, Gottlieb Schomburg, M., Arnold, G., York, A., Baum, M., Cherin, M., Cliff, S., Kavousi, P., Jordan, A., Miller, T., Shajari, D., Wang, Y., Zialcita, L. “A review of community impacts of boom-bust cycles in unconventional oil and gas development.” *Energy Research & Social Science*.
- (Under review) **Klasic, M.**, Ekstrom, J., Lubell, M., and Bedsworth, L. “Does risk perception align with scientific information? The case of California climate extremes and drinking water quality.” *Environmental Management*.
- Klasic, M.**, Nelson, K., Fleischman, F., and Robeson, A. “The path of least resistance: opportunities for public participation in shaping municipal urban nature rules.” *Environmental Management*.
- (In prep) **Klasic, M.**, Arnold, G., York, A., Gottlieb Schomburg, M. “Fracked if you do, fracked if you don’t: How environmental risk shapes local policy response to fracking.”
- Klasic, M.**, Lamb, R., Leonard, K., and Vargas-Nguyen, V. “(HAB)itual challenges: how does environmental risk shape Lake Erie harmful algal bloom governance?”

Peer-Reviewed Reports

- 2018 Ekstrom, J.E., **Klasic, M.**, Fencl, A., Lubell, M., Baker, E., and Einterz, F. “Drought Management and Climate Adaptation of Small, Self-Sufficient Drinking Water Systems in California.” A Report for California’s Fourth Climate Change Assessment. CCCA4-CNRA-2018-004. [Available online](#)

Book Chapters

- 2020 **Klasic, M.** and Lubell, M. “Collaborative Governance: From Simple Partnerships to Complex Systems.” In *Handbook of US Environmental Policy*, edited by David M. Konisky, 257–73. Edward Elgar Publishing.

Select Research and Technical Reports and Papers

- 2022 Fleishman, F., Robeson, A., Zien, E., **Klasic, M.**, Nelson, K., and Seligman, M. “Prioritizing Crises in Small Cities: Nature and Climate Change Advocacy in the Minneapolis-Saint Paul Metro Area. Center for Urban and Regional Affairs, University of Minnesota.
- 2021 Méndez-Barrientos, L.E., **Klasic, M.**, and Fencl, A. “The False Premise of Local Control in California Groundwater Management.” *Water Resources IMPACT*.
- 2021 “The Next Generation of Sustainable Communities.” Sustainability Research and Training Program. UC Davis Arab Region Consortium.
- 2017 “Clear Lake Regional Drought Resilience Workshop: Summary of Workshop Results and Discussion.” UC Davis Policy Institute for Energy, Environment, and Economy.
- 2013 “Nonpoint Source Program and Grants Guidelines for States and Territories.” [Available Online](#).
- 2010 “National Capacity Development Strategic Analysis Report.” U.S. Environmental Protection Agency.
- 2009 “Conducting Internal and External Reviews on State Operator Certification.” Memorandum to Drinking Water Program Managers. U.S. Environmental Protection Agency.
- 2009 “Gaining Operational and Managerial Efficiencies through Water System Partnerships.” U.S. Environmental Protection Agency.

PROFESSIONAL EXPERIENCE

- 2010–15 **National Coordinator of 319 Grants Reporting and Tracking System**
National Coordinator of 604(b) Water Quality Management Planning
U.S. Environmental Protection Agency, Washington, DC
Office of Wetlands, Oceans, and Watersheds, Nonpoint Source Control Branch
- 2008–10 **National Coordinator of Operator Certification**
National Coordinator of Drinking Water Technical Assistance Center Grants
U.S. Environmental Protection Agency, Washington, DC
Office of Groundwater and Drinking Water, Drinking Water Protection Branch
- 2002–06 **Coordinator of Students Monitoring Aquatic Resources Together (SMART)**
Aquatic Lab Technician
Alliance for Aquatic Resource Monitoring (ALLARM), Carlisle, PA

FELLOWSHIPS

- 2021 **Fellow**, Asking Different Questions, Incorporating Justice into Research

UC Davis Feminist Institute

2019	Fellow , UC Davis Professors for the Future Organizer , Finding and Building Out Your Online Community Workshop Organizer , Digital Tools to Ease Academic Workflow Workshop	\$4,300
2019	Fellow and Co-PI , Graduate Student Pursuit National Socio-Environmental Synthesis Center (SESYNC) “Moving Beyond Random Acts of Restoration to Robust Adaptive Resilience: The case study of Lake Erie”	\$9,000
2017	Fellow , Pathfinder Program Consortium of Universities for the Advancement of Hydrologic Science Pathfinder “Using People to Understand Policy: A Water Quality Quandary in Two Transboundary Lake Systems”	\$5,000

GRANTS

UC Davis Funding

2021	Dissertation Writing Block Grant	\$5,000
2021	Geography Graduate Group Travel Grant	\$200
2020	Geography Fellowship	\$3,000
2020	Geography Graduate Group Travel Grant	\$300
2020	Public Scholarship and Engagement Award, Science Communication	\$150
2019	Geography Fellowship	\$3,000
2018	Henry A. Jastro Research Grant	\$3,000
2017	Henry A. Jastro Research Grant	\$3,000
2016	Henry A. Jastro Research Grant	\$2,800

External Research and Travel Funding

2022	NSF Long-Term Ecological Research (LTER) All Scientist Meeting Support	\$2,000
2019	International Association of Great Lakes (IAGLR)	\$2,000
2017	National Socio-Environmental Synthesis Center (SESYNC) Travel Grant	\$1,300
2017	Stockholm International Water Institute, World Water Week Travel Grant	\$955

AWARDS AND HONORS

Academic and Research

2019	Inducted, Nu Iota Chapter of Gamma Theta Upsilon International Geographic Honor Society, UC Davis
2018–present	Inducted, Phi Kappa Phi Honor Society, UC Davis
2006	Outstanding Research in Ecology and Environmental Sciences, St. Joseph’s Research Conference
2003	Schuman Award for Freshmen Excellence, Dickinson College
2003	Inducted, Alpha Lambda Delta Freshman Honor Society, Dickinson College
2002–present	Inducted, Alpha Phi Omega Service Fraternity

Teaching

2021	Invited Mentor, “Dinner for 10”, Prytanean Honor Society
2020	Nominee, Teaching Award for Public Lands Management and Sustainable Cities of

Northern Europe, UC Davis

Policy and Leadership

- 2014 Bronze Medal, Clean Water Action Section 319 Programmatic Guidelines, U.S. Environmental Protection Agency, Office of Water
- 2014 Commendable Service, Science Communication, U.S. Environmental Protection Agency
- 2014 Nominee, National Association of Professional Women
- 2011 Bronze Medal, Asset Management and Capacity Building, U.S. Environmental Protection Agency, Office of Water
- 2009–15 Excellence in Policy Work, U.S. Environmental Protection Agency
- 2007–08 Commendable Service, Oak Ridge Institute of Science and Education (ORISE), placement at U.S. Environmental Protection Agency
- 2003 Benjamin Rush Leadership Program, Dickinson College

Other

- 2017 Participant, Socio-Environmental Synthesis Center (SESYNC) Social Network Analysis Workshop (Competitive Application)
- 2016 Participant, Agriculture Entrepreneurship Academy, UC Davis Business School (Competitive Application)
- 2009 On-the-Spot Award for Science Communication, U.S. Environmental Protection Agency, Office of Water

SERVICE AND LEADERSHIP

Postdoctoral Service

- 2022 Vice-Chair, Human Dimensions of Global Change Specialty Group, American Association of Geographers
- 2022 Organizer and Committee Member, California Bay-Delta Harmful Algal Bloom Monitoring Strategy Workshop
- 2021–present Member, U of Minnesota Long-Term Ecological Research Program Diversity, Inclusion, Equity, and Justice Committee
- 2021–present Member, Delta Stewardship Council Social Science Steering Committee

Graduate Student Service, UC Davis

- 2020 Panelist, Student Recruitment Day Student Perspectives Panel
- 2020–present Member, GLOBAL - Geography and Community Development Student Org
- 2019–20 Lead, Strategic Plan Student Committee
- 2019 Member, Environmental Policy Analysis and Planning Program Review Student Panel
- 2019 Lead Organizer, Strategic Plan Town Hall
- 2017–19 President, GLOBAL - Geography and Community Development Student Org
- 2016 Lead Organizer, Geography Graduate Group Orientation Program
- 2018–2021 Founder & Organizer, R-Fem Working Group (R Programming for cis/trans women)
- 2015, 19, 21 Geography Student Representative, Graduate Student Association
- 2015–18 Student Member, Geography Graduate Group Executive Committee

Other Service

- 2012–14 Organizer, Combined Federal Campaign Auction, U.S. Environmental Protection Agency
- 2013 Lead Organizer, Green Infrastructure and Stormwater Management Conference, U.S. Environmental Protection Agency
- 2013 Co-Organizer, CWA Section 319 Guidelines Revision Workgroup, U.S. Environmental

2011–15	Protection Agency Lead Organizer, Grants Reporting and Tracking System (GRTS) User Meeting and Technical Workshop. (Annual Week-long Workshop)
2008–15	Founder & Organizer, Council for a Better Office Environment, U.S. Environmental Protection Agency
2008	Organizer, Capacity Development and Operator Certification Conference
2004	President, Phoenix Women Service and Social Organization, Dickinson College
2004	Chair of Fundraising, Alpha Phi Omega Service Fraternity, Dickinson College
2003	Founder & Member, Phoenix Women Service and Social Organization, Dickinson College

TEACHING, MENTORSHIP, and SUPERVISING

Instructor of Record

2021	Environmental Analysis [undergraduate] Environmental Science and Policy, UC Davis
2020–present	Climate Change and Global Environmental Sustainability [graduate] Whiting School of Engineering, Johns Hopkins University
2020	Public Lands Management [upper division undergraduate] Environmental Science and Policy, UC Davis

Teaching Assistant UC Davis

Upper Division and Graduate Level:

2019	Water, Power, and Society
2018–19	Sustainable Cities of Northern Europe Summer Study Abroad
2018–19	Public Lands Management
2017, 19	Environmental Impact Review
2018	Water Policy and Politics

Undergraduate Level

2020	Climate Policy
2018	Career Discovery and Professional Development
2018	Positioning Yourself for Success at UC Davis and Beyond

Teaching Assistant Other

Undergraduate Level

2003	Environmental Science 101, Dickinson College
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Graduate Level

2018–19	Climate Change and Global Environmental Sustainability, Johns Hopkins University
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Select Guest Lectures

2022	“Clean Water Action Section 319 Nonpoint Source Pollution Program.” Policy Process, U of Georgia
2020	“Climate Change, Communication, and Public Perception.” “Climate Change Adaptation: Agriculture and Sea Level Rise.” “California Drinking Water Climate Adaptation” Climate Change and Water, UC Davis

- 2019 “Climate Change, Water Quality, and Sustainability in Denmark.”
Sustainable Cities of Northern Europe Study Abroad Program, UC Davis in Europe
- 2019 “Public Lands Management and Grazing.”
Public Lands Management, UC Davis
- 2018 “Water Quality Policy and Harmful Algal Blooms Management.”
Water Policy and Politics, UC Davis

Program Director

- 2003 Migrant College Program, Dickinson College

Mentoring

- 2021–present Claire Lister, Long-Term Ecological Research program, U of Minnesota
- 2022 Adam Brodsky, Long-Term Ecological Research program, U of Minnesota
- 2022 Madyson Hoese, Long-Term Ecological Research program, U of Minnesota
- 2022 Maeve Christlieb, Long-Term Ecological Research program, U of Minnesota
- 2022 Emma Grover, Long-Term Ecological Research program, U of Minnesota
- 2020–2021 10 undergraduate student interns, Unconventional Oil and Drilling Project, UC Davis
- 2018–19 Teak Hahn, EPAP BSc., UC Davis
- 2018–19 Alexandria Gallizioli, ESM BSc., UC Davis
- 2018–19 Megan Brotherton, ESM BSc., UC Davis
- 2018 Daniella Schoenfeld, EPAP BSc., UC Davis
- 2017–18 Krista Bratlien, EPAP BSc., UC Davis

Supervising

- 2014–15 Ari Engelberg, Nonpoint Source Branch Intern, U.S. Environmental Protection Agency

SELECT INVITED TALKS

- 2021 “Clean Water Act: Promises and Pitfalls.”
Environmental Law and Policy, Au Sable Institute, MI
- 2020 “Clean Water Act: Promises and Pitfalls.”
Environmental Law and Policy, Au Sable Institute, IL
- 2014 “New WQ-10 Success Story Guidance Revisions.” U.S. Environmental Protection Agency
Region 4 State Meeting, Kentucky.
- 2013 “The Clean Water Act and EPA’s Approach to Nonpoint Source Pollution Control.” U.S.
Environmental Protection Agency Meeting with Nanjing Institute of Environmental
Sciences Delegation.

CONFERENCES

Conferences, Workshops, and Panels Organized

- 2022 **Lead Organizer**, Panel: How social factors shape urban nature and result in unequal
benefits and burdens to residents: The case of Minneapolis-St. Paul. International
Association of Society and Natural Resources. Virtual. Oct 4.

- 2022 **Lead Organizer**, Workshop, Co-Production of Knowledge and Justice Research Agenda, NSF Long-Term Ecological Research All Scientist Meeting. Asilomar. Sep 20.
- 2022 **Lead Organizer**, Workshop, Introduction to LTER environmental and social justice research, NSF Long-Term Ecological Research All Scientist Meeting. Asilomar. Sep 20.
- 2022 **Organizer**, Workshop, Delta Science Program Harmful Algal Bloom (HABs) Workshop.
- 2022 **Organizer**, Panel: Collaborative governance in complex water resources management: studies from California and the Great Lakes, Midwest Political Society Association Conference. Chicago. April 16.
- 2020 **Lead Organizer**, The Next Generation of Sustainable Communities Conference, UC Davis Arab Region Consortium (UCDAR) and Sustainable Training and Research Program. UC Davis. Jan 24.
- 2019 **Lead Organizer**, Faculty-Student Research Panel, UC Davis Geography Graduate Group. Sept 12.
- 2017 **Organizer**, Forum on Drought Resilience for Small Systems. UC Davis Policy Institute of Energy, Environment, and Economy & Environmental Justice Coalition for Water. Sept 20.
- 2017 **Organizer**, Modesto Regional Drinking Water Utilities and Drought Workshop. UC Davis Policy Institute of Energy, Environment, and Economy & City of Modesto. June 22.
- 2017 **Organizer**, Clear Lake Regional Drinking Water Utilities and Drought Workshop. UC Davis Policy Institute of Energy, Environment, and Economy & California State Water Board & City of Lakeport Department of Public Works. June 14.
- 2017 **Organizer**, Salinas Regional Drinking Water Utilities and Drought Workshop. UC Davis Policy Institute of Energy, Environment, and Economy & City of Modesto. Aug 1.

Panels Participated

- 2022 **Panelist**, Creating a coordinated partnership monitoring program. California Bay-Delta Harmful Algal Bloom Monitoring Strategy Workshop. Nov 9. [upcoming]
- 2022 **Panelist**, Department of Forest Resources lightning research talks. U of Minnesota. Sep 12.
- 2022 **Panelist**, Collaborative governance in complex water resources management: studies from California and the Great Lakes, Midwest Political Society Association Conference. Chicago. April 16.
- 2022 **Panelist**, Graduate Student Affinity Group. Panel: AAG Experience and Advice for First Time Attendees. American Association of Geographers. Feb 26.

Select Conference Presentations

- 2022 “Who shapes local governance of nature? A study across Minneapolis-St. Paul.” International Association for Society and Natural Resources, San José, Costa Rica.
- 2022 “(HAB)itual challenges: how does environmental risk shape Lake Erie harmful algal bloom governance?” Midwest Political Science Association, Chicago, Illinois.

- 2022 “(HAB)itual challenges: how does environmental risk shape Lake Erie harmful algal bloom governance?” American Association of Geography, Virtual.
- 2021 “What’s HAB-ening to our water and how can we best manage it?” International Association of Great Lakes Research (IAGLR), Virtual.
- 2021 “What’s HAB-ening to our water and how can we best manage it?” Bay-Delta Annual Meeting, Virtual.
- 2019 “A social-ecological network analysis of Lake Erie harmful algal bloom management.” Western Political Science Association Meeting, San Diego, California.
- 2019 “Lost in translation: facilitating sustainability knowledge transmission through study abroad.” Council for Educators in Landscape Architecture Conference, Sacramento, California.
- 2018 “Social-ecological network structures of Lake Erie water quality governance.” American Association of Geographers Annual Meeting, New Orleans, Louisiana.
- 2017 “Water quality and extreme events in the face of climate change: does science supply meet demand?” World Water Week, Stockholm, Sweden.
- 2017 “Water quality and extreme events in the face of climate change: does science supply meet demand?” International Association for the Study of the Commons (IASC) Conference, Utrecht, Netherlands.
- 2017 “How do we build a drought resilient drinking water system? Learning from California Utilities’ Drought Responses.” American Water Resources Association (AWRA) Summer Specialty Conference: Climate Change Solutions: Collaborative Science, Policy, and Planning for Sustainable Water Management, Tysons, Virginia.
- 2017 “Water quality and extreme events in the face of climate change: does science supply meet demand?” American Water Resources Association (AWRA) Summer Specialty Conference: Climate Change Solutions: Collaborative Science, Policy, and Planning for Sustainable Water Management, Tysons, Virginia.

OUTREACH PRODUCTS

- 2020 **Klasic, M.** “Finding Your Online Community: Digital Communication Tools.” UC Davis Professors for the Future Program.
- 2017 Fencl, A. and **Klasic, M.** “Small, Self-Sufficient Water Systems Continue to Battle a Hidden Drought.” *California Water Blog*. [Available Online](#).
- 2013–15 **Klasic, M** (ed.). Select Nonpoint Source Success Stories. U.S. Environmental Protection Agency. [Available Online](#).
- 2015 “WQ-10 Success Story Guidance Addendum.” Memorandum to State Nonpoint Source Program Coordinators. U.S. Environmental Protection Agency.
- 2008 **Klasic, M.** “Water Drop Patch Project: Make a Difference.” U.S. Environmental Protection Agency and Girl Scouts. EPA-840-B-07-001.

- 2007 “Communications Reference Guide: A Roadmap for Developing and Marketing New Products and Tools.” U.S. Environmental Protection Agency, Office of Wetlands, Oceans, and Watersheds.
- 2006 “Stormwater Management at EPA Headquarters.” U.S. Environmental Protection Agency.
- 2003–06 First Authored 7 Articles in *Stream of Consciousness*, Alliance for Aquatic Resource Monitoring Magazine.

MEDIA COVERAGE OF RESEARCH

- 2021 “MEGA-PEARLS Part3: A Stream of Science Takeaways.” *Estuary Magazine*.

TRAINING, CERTIFICATIONS, AND SKILLS

Certifications

- 2019 Teaching Assistant Wellbeing Certification, Office of Student Health and Counseling Services, UC Davis
- 2019 International Education Certification Series, Office of Global Affairs, UC Davis
- 2019 Foundations in LGBTQIA Allyship, LGBTQIA Resource Center, UC Davis

Data Science Initiative Trainings, UC Davis

- 2018 Building Networks in R Workshop, Dr. Jane Carlen
- 2018 Introduction to Git for Version Control, Dr. Carl Stahmer
- 2017 Webscraping in R, Dr. Duncan Temple Lang

Professional and Conference Trainings

- 2022 Effective Mentorship, Center for the Improvement of Mentored Experiences in Research, Dr. Steve Lee, Stanford U Dean of Inclusion, Diversity, and Equity, Long-Term Ecological Research (LTER) All Scientists Meeting, Asilomar, California
- 2022 Using Git in Research Collaborations, Long-Term Ecological Research (LTER) All Scientists Meeting, Asilomar, California
- 2017 Coding the Commons: Understanding Why and How to Code Case Studies for Use in Comparative Analyses in SES and Commons Research, Dr. Elicia Ratajczyk, Arizona State University
- 2017 Introduction to Social Network Analysis, Dr. Lorien Jasney, University of Exeter
- 2014 Facilitating Diverse Stakeholder Groups, Performance Training Solutions

Skills

Software: R Programming, Qualtrics, LaTeX, Atlas, Nvivo, Dedoose, Office Suite, Google Suite, Adobe Professional Suite, ArcGIS, basic Python

Science Communication: Wordpress, Squarespace, Twitter, Instagram, StoryMaps, Video Production, Podcasting, Public Speaking, Webcast Facilitation and Moderation

Quantitative and Qualitative Methods: Surveys, Interviews, Focus Groups, Coding, Manual/Automated Text Mining, Webscraping, Natural Language Processing, Social [Ecological] Network Analysis, Regression Analyses

Administrative: Conference and Event Planning; Project Management; Contract and Grants Management

JOURNAL REVIEW

Society and Natural Resources
Trees, Forest, People

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS

American Association for the Advancement of Science
American Association of Geographers
International Association for the Study of the Commons
International Association for Society and Natural Resources
International Association of Great Lakes Research
Midwest Political Science Association