

# Sarah P. Church, PhD

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## RESEARCH AND TEACHING INTERESTS

Climate change adaptation and water resource protection across urban and working landscapes related to human-environment interactions, watershed planning and management, stakeholder engagement processes, ecological urban design, environmental communication, learning and behavior change.

## EDUCATION

- 2013 Doctor of Philosophy in Planning, University of British Columbia  
Supervisory Committee: Dr. Maged Senbel, Dr. John Friedmann, Professor Ronald Kellett
- 2007 Master of Urban Planning: Environmental Planning, University of Utah

## PROFESSIONAL AND RESEARCH EXPERIENCE

### **Montana State University, Department of Earth Sciences**

2019 – present Assistant Professor, Geography and Planning

### **Purdue University, Department of Forestry and Natural Resources**

- 2018 – 2019 Research Scientist  
2017 – 2018 USDA NIFA Postdoctoral Research Fellow  
2014 – 2016 Postdoctoral Research Associate

### **Latah Trail Foundation, Moscow, ID**

2013 – 2014 Executive Director

### **University of British Columbia, School of Community and Regional Planning**

2008 – 2011 Graduate Research Assistant

### **Salt Lake City, City Council, Salt Lake City, UT**

2007 – 2008 Land Use Policy Analyst

### **Texas Commission on Environmental Quality, Austin, TX**

2003 – 2005 Program Specialist – Air Emissions Fees and Reductions

### **Portland General Electric, Portland, OR**

1999 – 2003 Business Analyst

## TEACHING EXPERIENCE

### **Montana State University**

- INSTRUCTOR, Environmental Planning and Management Toolkit, *undergraduate/graduate*  
INSTRUCTOR, Geographic Thought, *undergraduate*  
INSTRUCTOR, Geographic Planning, *undergraduate*  
INSTRUCTOR, Land Use Planning, *graduate*

### **Purdue University**

- INSTRUCTOR, Fundamentals of Planning, *undergraduate* (Fall 2018)  
CO-INSTRUCTOR, Research Methods for Natural Resource Social Scientists, *graduate* (Fall 2015)

## **University of Idaho**

INSTRUCTOR, Comprehensive Local and Regional Planning, *graduate* (Fall 2013)

INSTRUCTOR, Planning Theory and Professional Ethics, *graduate* (Fall 2013)

## **University of British Columbia**

CO-INSTRUCTOR, Introduction to Community and Regional Planning, *undergraduate* (Fall 2010, 2011)

INSTRUCTOR, Urban Form, Social Connections, and Sustainable Neighborhoods, *graduate* (Summer 2010)

## **ADVISING EXPERIENCE**

### **Graduate Student Supervision**

Evelyn (Sale) Rhodes, PhD Earth Sciences (enrolled 2022)

Erin Bjorklund, MSc Earth Sciences (enrolled 2022)

Brennan Radulski, PhD Earth Sciences (enrolled 2021)

Madison Boone, PhD Earth Sciences (enrolled 2021)

Liam Bean, MSc Earth Sciences (graduated 2022): *Power and Perils of Partnership: A lifecycle approach to understanding barriers to data use in Montana volunteer water monitoring programs*

Ashlie Gilbert, MSc Earth Sciences (graduated 2022): *Adaptation and Water Resource Management: Examining adaptive governance in Montana*

### **Graduate Student Supervisee awards**

Madison Boone: *MSU College of Letters and Sciences 2023 travel grant; Montana American Water Resource Association 2022 1<sup>st</sup> place student poster award*

Ashlie Gilbert: *Montana American Water Resource Association 2021 2<sup>nd</sup> place student oral presentation; MSU College of Letters and Sciences 2022 travel grant*

Brennan Radulski: *MSU College of Letters and Sciences 2022 travel grant; MSU University Fellowship 2021-2026*

### **Graduate Committee service at MSU**

Elizabeth Lee, MSc Earth Sciences (enrolled 2022)

Morgan Suddreth, MSc Land Resources and Environmental Sciences (enrolled 2022)

Kelli Roemer, PhD Geography (graduated 2022): *Community Resilience in Remote, Resource-Dependent Communities: A case study of the U.S. coal transition*

Elise Otto, MSc Geography (graduated 2022): *From the Mountain to the Valley: The flows and frictions of commuting in a resort geography*

### **Graduate Committee service non-MSU**

Edem Avemegah, PhD Sociology, Utah State University (enrolled 2021)

Edgar Gueron Orejuela, PhD Geology, University of South Florida (enrolled 2019)

Roberta Weiner, MSc Natural Resource Social Science, Purdue University (graduated 2019): *Playing Telephone: on the negotiation and mediation of climate science communication*

### **Undergraduate research assistants**

Jonas Shannon-Webster (2023, funded by the Western Transportation Institute CATS program)  
*Cycling on MSU campus – Q-method and factor analysis*

Cole Shultz (2023, funded by the US Forest Service)  
*Urban Connections Strategic Plan and Monitoring Program*

Kip Giddings (2022, funded by MSU's Outreach and Engagement Council)  
*Investigating Neighborhood Character in the Northeast Neighborhood of Bozeman, MT*

Jack Rosenthal (2022, funded by MSU's Outreach and Engagement Council)  
*Investigating Neighborhood Character in the Northeast Neighborhood of Bozeman, MT*

Joe Peoria (2020, funded by MSU's Initiative for Regulation and Applied Economic Analysis)  
*Integrating neighborhood voice into policies, plans, and regulations: A synthesis of Bozeman's northeast neighborhood vision and city policy*

Josh Eaton (2020, funded by the Western Transportation Institute CATS program)  
*Bozeman Stormwater Survey Report*

### **GUEST LECTURES**

*What is Urban Planning?* Urban Geography, Montana State University (Spring 2022)

*Qualitative Analysis*, Research Methods for Natural Resource Scientists, Purdue University (Fall 2016, 2017, 2018)

*What is Planning?* Introduction to the Built Environment, University of Idaho (Fall 2013)

*Bioregional Planning*, Introduction to the Built Environment, University of Idaho (Fall 2012)

*Ecological Design*, Theory and Methods of Urban Design, University of British Columbia (Fall 2011)

### **PEER REVIEWED PUBLICATIONS (\* indicates student at the time of publication)**

1. Usher, E.M., S.P. Church, J.M. Getson, L.S. Prokopy. (2023). The Use of Q Methodology as a Participatory Tool in Natural Resources Management. *Society and Natural Resources*: 1-12.
2. Bennett, E.\*, J.G. Arbuckle, J. Ulrich-Schad, S.P. Church, F.R. Eanes, J.E. Cross. (2023). Testing Modified Sense of Place Measures on Adoption of Cover Crops in Working Landscapes in Iowa. *Society and Natural Resources*.
3. Eaton, W.M., M. Burnham, T. Robertson, J.G. Arbuckle, K.J. Brasier, M.E. Burbach, S.P. Church, G. Hart-Fredeluces, D. Jackson-Smith, G. Wildermuth, K.N. Canfield, et al. (2022). Advancing the scholarship and practice of stakeholder engagement in working landscapes: a co-produced research agenda. *Socio-Ecological Practice Research*: 1-22.
4. Lu, J., P. Ranjan, K. Floress, J.G. Arbuckle, S.P. Church, F.R. Eanes, Y. Gao, B.M. Gramig, A.S. Singh, L.S. Prokopy (2022). A meta-analysis of agricultural conservation intentions, behaviors, and practices: Insights from 35 years of quantitative literature in the United States. *Journal of Environmental Management*, 323, p.116240.
5. Church, S.P., C. Wardropper, J. Ulrich-Schad, N. Babin, F. Eanes, E. Usher, P. Ranjan, J.M. Getson, A. Gilbert\*, L.F. Bean\*, L. Esman, L.S. Prokopy (2022). How does co-produced research influence adaptive capacity? Lessons from a cross-case comparison. *Socio-Ecological Practice Research*, 4(3): 205-219.
6. Getson, J.M., S.P. Church, B.G. Radulski\*, A.E. Sjostrand, J. Lu, L.S. Prokopy (2022). Understanding scientists' communication challenges at the intersection of climate and agriculture. *PLOS ONE*, 17(8): e0269927.
7. Endter-Wada, J., F. Sternlieb, S.P. Church, P. Stoker (2022). Featured Collection Introduction: "Connecting Land and Water for Healthy Communities". *JAWRA Journal of the American Water Resources Association*, 58(3), 313-318.
8. Ranjan, P., J. Arbuckle, S.P. Church, F.R. Eanes, K. Floress, Y. Gao, B.M. Gramig, A.S. Singh, L.S. Prokopy (2022). Understanding the relationship between land tenure and conservation behavior: Recommendations for social science research. *Land Use Policy*, 120: 106161.
9. Weiner, R.\*, S.P. Church, J. Lu, L.A. Esman, J.M. Getson, M. Fleckenstein, ...L. Pfeiffer. (2021). Climate change coverage in the United States media during the 2017 hurricane season: implications for climate change communication. *Climatic Change*, 164(3), 1-19.
10. Church, S.P., K. Floress, J. Ulrich-Schad, W. Eaton, S. Gasteyer, P. Ranjan, C. Wardropper, A. Rissman. (2021). How water quality improvement efforts influence urban-agricultural relationships. *Agriculture and Human Values*, 38(2): 1-18.

11. Getson, J.M., A.E. Sjostrand, S.P. Church, R. Weiner\*, J. Hatfield, L.S. Prokopy. (2020). Do scientists have a responsibility to provide climate change expertise to mitigation and adaptation strategies? Perspectives from climate professionals. *Public Understanding of Science*, 30(2), 0963662520966690.
12. Prokopy, L.S., B.M. Gramig, A. Bower, S.P. Church, B. Ellison, P.W. Gassman, K. Genskow, D. Gucker, S.G. Hallett, J. Hill, N. Hunt... (2020). The urgency of transforming the Midwestern US landscape into more than corn and soybean. *Agriculture and Human Values*, 37(3), 527-539.
13. Singh, A.S., S.P. Church, L. Dang\*, E.P. Hennes, L.S. Prokopy. (2020). Does climate change framing matter? Evidence from an experiment of crop advisors in the Midwestern United States. *Climatic Change*: 1-14.
14. Church, S.P., J. Lu, P. Ranjan, A.P. Reimer, L.S. Prokopy. (2020). The role of systems thinking in cover crop adoption: Implications for conservation communication. *Land Use Policy*. 94: 104508.
15. Church, S.P., Bentlage, B., Weiner, R.\*, Babin, N., Bulla, B.R., Fagan, K., Haigh, T., Carlton, J.S. and Prokopy, L.S. (2020). National print media vs. agricultural trade publications: communicating the 2012 Midwestern US drought. *Climatic Change*: 1-21.
16. Church, S.P., N. Babin, B. Bentlage, M. Dunn, J.D. Ulrich-Schad, P. Ranjan, J. Magner, E. McLellan, S. Stephan, M. Tomer, L.S. Prokopy. The Beargrass Story: Utilizing social science to inform, evaluate, and learn from the “watershed approach.” (2019). *Catalyzing Change: Social Science for Water Resources Management*, special issue of *Journal of Contemporary Water Research and Education*. 167(1): 78-96.
17. Ranjan, P., S.P. Church, K. Floress, and L.S. Prokopy. (2019). Synthesizing conservation motivations and barriers: What have we learned from qualitative studies of farmers’ behaviors in the United States? *Society and Natural Resources*. 32(11): 1171-1199.
18. Prokopy, L.S., K. Floress, J.G. Arbuckle, S.P. Church, F.R. Eanes, Y. Gao\*, B.M. Gramig, P. Ranjan, and A.S. Singh. (2019). Adoption of agricultural conservation practices in the United States: Evidence from 35 years of quantitative literature. *Journal of Soil and Water Conservation*. 74(5): 520-534.
19. Church, Sarah P., M. Dunn, and L.S. Prokopy. (2019). Benefits to Qualitative Data Quality with Multiple Coders: Two Case Studies in Multi-coder Data Analysis. *Journal of Rural Social Sciences*. 34(1): 2.
20. Eaton, W.M., J.D. Ulrich-Schad, M. Burnham, F.R. Eanes, S.P. Church, J.G. Arbuckle, J.E. Cross. The Trouble with Sense of Place in Working Landscapes. (2019). *Society and Natural Resources*, 32(7): 827-840.
21. Gao, Y.\*, S.P. Church, S. Peel, L.S. Prokopy. (2018). Public perception towards river and water conservation practices: opportunities for implementing urban stormwater management practices. *Journal of Environmental Management*. 223: 478-488.
22. Church, S.P. (2018). From Street Trees to Natural Areas: Retrofitting cities for human connectedness to nature. *Human-nature relationships and their implications for environmental management* special issue of *Journal of Environmental Planning and Management*. 61 (5-6): 878-903.
23. Ma, Z., M. Clarke\*, S.P. Church. (2018). Insights into individual and cooperative invasive plant management on family forestlands. *Land Use Policy*. 75: 682-693.
24. Church, S.P., L.B. Payne, S. Peel, L.S. Prokopy. (2018). Beyond water data: Benefits to volunteers and to local water from a citizen science program. *Journal of Environmental Planning and Management*: 1-21.
25. Church, S.P., Dunn, M., N. Babin, A.S. Mase, T. Haigh, L.S. Prokopy. (2018). Do Advisors Perceive Climate Change as an Agricultural Risk? An in-depth examination of Midwestern U.S. Ag advisors’ views on drought, climate change, and risk management. *Agriculture and Human Values*. 35(2): 349-365.
26. Floress, K., S. García de Jalón, S.P. Church, N. Babin, J.D. Ulrich-Schad, L.S. Prokopy. (2017). Toward a Theory of Farmer Conservation Attitudes: Dual interests and willingness to take action to protect water quality. *Journal of Environmental Psychology*. 53: 73-80.

27. Church, S.P., T. Haigh, M. Widhalm, S. Garcia de Jalon, N. Babin, J.S. Carlton, M. Dunn, K. Fagan\*, C. Knutson, L.S. Prokopy. (2017). Agricultural trade publications and the 2012 Midwestern U.S. Drought: A missed opportunity for climate risk communication. *Climate Risk Management*. 15: 45-60.
28. Church, S.P. and L.S. Prokopy. (2017). The influence of social criteria in mobilizing watershed conservation efforts: A case study of a successful watershed in the U.S. Midwest. *Land Use Policy*. 61: 353-367.
29. Church, S.P. (2015). Exploring Green Streets and rain gardens as instances of small scale nature and environmental learning tools. *Landscape and Urban Planning*. Volume 134: 229-240.
30. Church, S.P. (2015). Exploring Urban Bioregionalism: a synthesis of literature of urban nature and sustainable patterns of urban living. *S.A.P.I.E.N.S.* Volume 7(1): 1-11.
31. Senbel, M. and S.P. Church. (2011). Empowered to design? The limits of accessible visualization media in neighborhood densification. *Journal of Planning Education and Research*. 31(4): 423-437.

### **WORKS IN PREPARATION**

1. Kleindl, W.J., S.P. Church, M.C. Rains, R. Ulrich. What is the Best Wetland Assessment Tool? A Discrimination of Overlapping Assessment Approaches. In preparation for submission to *Wetlands*.
2. Church, S.P., J. McEvoy, J.M. Getson, M. O’Neill, L.S. Prokopy. What are the most pressing water issues facing the U.S.? Perceptions of federal government staff. In preparation for submission to *Hydrological Sciences Journal*.

### **EXTENSION/OUTREACH PRODUCTS**

1. Gilbert, A.\*, B. Wilson, S.P. Church. (2022). *Big Sky Watershed Corps Evaluation Project: Fact Sheets*. People Places Water Lab. Bozeman: Montana State University. ([Link to fact sheets](#))
2. J. Peoria\*, S.P. Church. (2020). *Understanding Neighborhood Character in Bozeman’s Northeast Neighborhood*. People Places Water Lab. Bozeman: Montana State University. ([Link to fact sheet](#))
3. J. Eaton\*, S.P. Church. (2020). *Bozeman Stormwater Survey*. People Places Water Lab. Bozeman: Montana State University. ([Link to fact sheet](#))
4. Church, S.P. (2018). *Common Ground, Common Water*. Water resources website. Indiana Water Resources Research Center: <https://iwrrc.org/commongroundcommonwater/>.
5. Church, S.P., and S. Doyle. (2018). *Common Ground, Common Water. Water Quality: A shared priority*. Purdue Extension <https://www.youtube.com/watch?v=qzrp2OfrfLk&feature=youtu.be>.
6. Church, S.P. and L.S. Prokopy. (2015). *Indian Creek watershed project: Key takeaways for watershed success*. Purdue Extension: [FNR-511-W](#).
7. Church, S.P., N. Babin, B. Bentlage, L.S. Prokopy (Producers). A. Doenges (Editor). (2015). *Indian Creek Watershed Project – Keys to Success: Partnerships and People*. Purdue Forestry and Natural Resources Extension: <http://tinyurl.com/IndianCreekSuccess>.
8. Church, S.P., N. Babin, B. Bentlage, L.S. Prokopy (Producers). A. Doenges (Editor). (2015). *Indian Creek Watershed Project – Keys to Success: Partnerships with Agribusinesses*. Purdue Forestry and Natural Resources Extension: <http://tinyurl.com/IndianCreekRetailers>.
9. Church, S.P., T. Haigh, M. Widhalm, L.S. Prokopy, J.G. Arbuckle Jr., J. Hobbs, T. Knoot, C. Knutson, A. Loy, A.S. Mase, J. McGuire, L.W. Morton, J. Tyndall. (2015). *Farmer Perspectives on Agricultural Practices, Information, and Weather Variability in the Corn Belt: A Statistical Atlas, Volume 2*. [CSCAP-0184-2015](#): West Lafayette, IN.

### **DATA SET**

Floress, K.M.; Y. Gao; B.M. Gramig; J.G. Arbuckle; S.P. Church; F.R. Eanes; P. Ranjan; A.S. Singh; L.S. Prokopy. (2019). Meta-analytic data from agricultural conservation practice adoption research in the United States 1982-2018. Fort Collins, CO: Forest Service Research Data Archive. Updated 28 February 2020. <https://doi.org/10.2737/RDS-2019-0011>

## **POLICY AND SOCIAL SCIENCE REPORTS (\* indicates student at the time of publication)**

1. Shultz, C.\*, S. Miller, A.H. Langley, S.P. Church, B. Nostro, J. Rosenbloom. (2023). *Land Value Taxes. Sustainable Development Code.* ([Link to report](#))
2. Church, S.P., L.F. Bean\*, W.A. Sigler. (2022a). *Volunteer Water Monitoring Survey: 2021 Volunteer Statewide Survey Report.* People Places Water Lab. Bozeman: Montana State University. ([Link to report](#))
3. Church, S.P., L.F. Bean\*, W.A. Sigler (2022b). *Volunteer Water Monitoring Survey: 2021 Volunteer Gallatin Stream Teams Report.* People Places Water Lab. Bozeman: Montana State University.
4. Church, S.P., L.F. Bean\*, W.A. Sigler (2022c). *Volunteer Water Monitoring Survey: 2021 Northwest Montana Lakes Network Report.* People Places Water Lab. Bozeman: Montana State University.
5. Church, S.P., L.F. Bean\*, W.A. Sigler (2022d). *Volunteer Water Monitoring Survey: 2021 Madison Stream Teams Report.* People Places Water Lab. Bozeman: Montana State University.
6. Cowan, S., S.P. Church, Radulski, B.G.\* (2022). *Investigating Neighborhood Character in the Northeast Neighborhood of Bozeman, MT.* Montana State University School of Architecture. Bozeman, MT. ([Link to report](#))
7. Radulski, B.G.\*, A. Gilbert\*, B. Wilson, S.P. Church. (2022). *Big Sky Watershed Corps Evaluation Project, Natural Resource Planning and Protection: Survey Analysis Results.* People Places Water Lab. Bozeman: Montana State University. ([Link to report](#))
8. Gilbert, A.\*, B. Wilson, S.P. Church. (2022a). *Big Sky Watershed Corps Evaluation Project, Natural Resource Planning and Protection: Semi-Structured Interview Results.* People Places Water Lab. Bozeman: Montana State University. ([Link to report](#))
9. Gilbert, A.\*, B. Wilson, S.P. Church. (2022b). *Big Sky Watershed Corps Evaluation Project, Natural Resource Planning and Protection: Post-Survey Results.* People Places Water Lab. Bozeman: Montana State University. ([Link to report](#))
10. Gilbert, A.\*, W. Kleindl, S.P. Church. (2022c). *Aquatic Ecosystems Services Survey: Round Two Results.* People Places Water Lab. Bozeman: Montana State University. ([Link to report](#))
11. Eaton, W., T. Robertson, J. Arbuckle, K.J. Brasier, M.E. Burbach, M. Burnham, S.P. Church, C. Eberly, G. Hart-Fredeluces, D. Jackson-Smith, A. Rogers. (2022). *Advancing Scholarship and Practice of Stakeholder Engagement in Working Landscapes.* ([Link to report](#))
12. Grame, B.\*, J. Rosenbloom, S.P. Church, B. Adams. (2021). *Eliminate or Reduce Parking Minimums in Areas with Access to Transit-Oriented Development.* Sustainable Development Code. ([Link to report](#)).
13. Gilbert, A.\*, B. Wilson, S.P. Church. (2021). *Big Sky Watershed Corps Evaluation Project, Natural Resource Planning and Protection: Pre-Survey Results.* People Places Water Lab. Bozeman: Montana State University. ([Link to report](#))
14. Gilbert, A.\*, W. Kleindl, S.P. Church. (2021). *Aquatic Ecosystem Services Survey: Round One Results.* People Places Water Lab. Bozeman: Montana State University. ([Link to report](#))
15. Eaton, J.\*, S.P. Church. (2020). *Bozeman Stormwater Survey Report.* Bozeman: Montana State University. ([Link to report](#))
16. Peoria, J.D.\*, S.P. Church. (2020). *Integrating neighborhood voice into policies, plans, and regulations: A synthesis of Bozeman's northeast neighborhood vision and city policy.* Bozeman: Montana State University.
17. Getson, J.M., L.A. Esman, S.P. Church, M.P. O'Neill, L.S. Prokopy. (2020) *USDA-NIFA Climate and Water Synthesis Projects: Final Report.* West Lafayette: Purdue University.
18. Ranjan, P., S.P. Church, J.G. Arbuckle, B.M. Gramig, C.J. Reeling, L.S. Prokopy (2020). *Conversations with non-choir farmers: Implications for conservation adoption. Report for the Walton Family Foundation.* West Lafayette: Purdue University.

19. Church, S.P., P. Ranjan, M. Hemler, L.S. Prokopy. (2019). *Testing the Efficacy of Messaging on Farmer Attitudes and Behaviors. Report for the National Wildlife Federation*. West Lafayette: Purdue University.
20. Usher, E.M., S.P. Church, J.M. Getson, L.S. Prokopy (2019). *National Water Quality Initiative Program Assessment and Recommendation Report*. West Lafayette: Purdue University.
21. Getson, J.M., A.E. Sjostrand, B.G. Radulski\*, S.P. Church, J.L. Hatfield, L.S. Prokopy. (2018). *NIFA Climate Portfolio: Climate Professional Survey Report*. West Lafayette: Purdue University.
22. Getson, J.M., S.P. Church, L.A. Esman, J.L. Hatfield, L.S. Prokopy. (2018). *NIFA Climate Portfolio: Project Director Survey Report*. West Lafayette: Purdue University.
23. Church, S.P. and L.S. Prokopy. (2017). *Social Science Report: Findings from CTIC Cover Crop Focus Groups – Cover Crop Math*. West Lafayette: Purdue University.
24. Getson, J.M., S.P. Church, L. Esman, M. O’Neill, L.S. Prokopy. (2017). *NIFA Water Portfolio: Project Director Survey Report, Formula projects*. West Lafayette: Purdue University.
25. Church, S.P., L.S. Prokopy, L., M. O’Neill. (2017). *Water Priorities Delphi Survey: Phase 2*. West Lafayette: Purdue University. ([Link to report](#))
26. Gao, Y. \*, S.P. Church, L.S. Prokopy. (2016). *2016 Great Bend of the Wabash River Watershed Urban Resident Survey Executive Summary: Key findings from 2016 and Pre-Post 2014 and 2016 results*. West Lafayette: Purdue University. ([Link to report](#)).
27. Bentlage, B., S.P. Church, L.S. Prokopy. (2016). *Social Science Evaluation Report. Fieldprint Calculator Project: Big Pine Creek watershed, Benton County, IN and Indian Creek watershed, Livingston County, IL*. West Lafayette: Purdue University. ([Link to report](#)).
28. Getson, J.M., S.P. Church, L. Esman, M. O’Neill, L.S. Prokopy. (2016). *NIFA Water Portfolio: Project Director Survey Report, Non-formula projects*. West Lafayette: Purdue University. ([Link to report](#))
29. Church, S.P., L.S. Prokopy, L. Esman, M. O’Neill. (2016). *Water Priorities Delphi Survey: Phase 1*. West Lafayette: Purdue University. ([Link to report](#))
30. Bentlage, B., B. Bulla, S.P. Church, L.S. Prokopy. (2016). *Social Science Evaluation Report and Executive Summary with Key Findings and Recommendations: Unilever/ADM Sustainable Soy Continuous Improvement Program*. West Lafayette: Purdue University.
31. Senbel, M., S.P. Church, E. Bett\*, R. Maghsoudi\*, and K. Zhang\*. (2010). *The Relationship Between Urban Form and GHG Emissions, A Primer for Municipal Decision Makers*. University of British Columbia, SCARP Urban Design: Vancouver, BC.

### **BOOK CHAPTERS, CASE STUDIES, AND BOOK REVIEWS**

1. Church, S.P. and J.M. Getson. (2018). *Enhancing the Extension Volunteer Monitoring Network: National Facilitation of CSREES volunteer monitoring efforts*. USDA NIFA Water Synthesis Case Study. West Lafayette: Purdue University.
2. Church, S.P. (2018). *Mobile Irrigation Water Management System Using eRAMS Cloud Computing Infrastructure*. USDA NIFA Climate Synthesis Case Study. West Lafayette: Purdue University.
3. Church, S.P. (2017). Book Review: Handbook of Biophilic City Planning and Design. *Journal of Planning Education and Research*.
4. Church, S.P. (2013). Book Review: City Design: Modernist, Traditional, Green and Systems Perspectives. *Journal of Planning Education and Research*. 33(3): 363-364.



**GRANTS (\* indicates student at the time of grant submission)**

- 2023 US Environmental Protection Agency (\$205,574, *under review*)  
Kleindl, W., S.P. Church, K.C. Rains, E.D. Stein. Rapid Wetland Benefits Assessment (RWBA) for States and Tribes
- 2023 United States Forest Service (\$25,000, *under review*)  
Church, S.P. Identify and assess needs, values, capacities, and future landscape visions to inform collaborative wildfire risk reduction strategies (Building Social Acceptance Core Team project 6).
- 2023 FEMA Region 8. Quick Response Research (\$4,000, *funded*)  
Boone, M.\* and S.P. Church. Understanding the role of collaborative environmental research groups in promoting adaptive capacity and resilience to natural hazards
- 2023 Montana Water Center. Faculty seed grant (\$24,623, *declined*)  
Kleindl, W. and S.P. Church. Rapid Wetland Benefit Assessment (WBA) Interagency Team Development.
- 2023 National Science Foundation EPSCoR RII Track-2 FEC (\$1,321,883, *declined*)  
Flores, L. et al. The Consortium for Climate Change at the Crown of the Continent (C5)
- 2023 United States Forest Service (\$26,000, *funded*)  
Church, S.P. Urban Connections Strategic Plan and Monitoring Program.
- 2022 Montana State University Scholarship and Creativity grant (\$15,573, *funded*)  
Church, S.P. and J. McEvoy. Building Research Partnerships to Collect Preliminary Data and Assess the Utility of a Decision Support Tool for the Development of a Successful Interdisciplinary Research Proposal.
- 2022 National Institute of Food and Agriculture, Predoctoral Fellowships program (\$120,000, *declined*)  
Radulski, B.\* and S.P. Church. Examining biodiversity and equity for a resilient food system: A case study of California's climate-smart agriculture programs.
- 2022 California Polytechnic State University (\$17,000, *funded*)  
Church, S.P., N. Babin. California Department of Food and Agriculture Climate Smart Agriculture Program Evaluation.
- 2022 National Science Foundation – SAI-R (\$749,975, *declined*)  
McEvoy, J., S.P. Church, Plymessenger, K., L. Albertson, C. Verhille. Convergent social, engineering, and ecological research on nature-based water storage infrastructure to transform municipal water storage.
- 2022 Montana State University Outreach and Education Council seed grant (\$4,956, *declined*)  
Church, S.P. and W. Adam Sigler. Volunteer water monitoring longitudinal exit survey for Montana.
- 2021 National Oceanic and Atmospheric Administration (\$206,000, *funded*)  
McEvoy, J. and S.P. Church. Connecting ecological drought monitoring tools with natural resource stakeholders in Montana.
- 2021 National Science Foundation (\$1,197,218, *declined*)  
Plymessenger, K., L. Albertson, S.P. Church, J. McEvoy, C. Verhille. Innovative nature-based water infrastructure: how can municipal water storage incorporate engineering, ecological, and social priorities in a changing world?
- 2021 National Institute of Food and Agriculture, Agriculture and Food Research Initiative Sustainable Agricultural Systems (\$10 million; S.P. Church subaward \$200,416, *funded*)  
Prokopy, L.S. et al. #DiverseCornBelt: Resilient Intensification through Diversity in Midwestern Agriculture.
- 2021 Montana Water Center. Faculty seed grant (\$27,592, *funded*)  
Church, S.P. and W.A. Sigler. Exploring diffusion of information from volunteer water monitoring and the effect on public trust in science.



- 2021 Montana State University Outreach and Engagement Council (\$5,000, funded)  
Cowan, S. and S.P. Church. Investigating Neighborhood Character in Bozeman's Northeast Neighborhood.
- 2020 Montana State University Center for Faculty Excellence. Faculty Excellence Grant (\$1,414, funded)  
Church, S.P. Connecting systems thinking with stewardship, food security, and learning: Leveraging knowledge to build a systems thinking research program and interdisciplinary curriculum.
- 2020 Montana State University Initiative for Regulation and Applied Economic Analysis (\$1,500, funded)  
Church, S.P. and J. Peoria. Integrating neighborhood voice into policies, plans, and regulations: a synthesis of Bozeman's Northeast Neighborhood vision and City policy.
- 2020 National Science Foundation GOLD-EN (\$99,000, declined)  
Myers, M., S.P. Church, E. Sproles. Resource intensity evaluation of programs implemented in Earth Sciences to improve recruitment and retention of underrepresented and minority groups.
- 2020 National Institute of Food and Agriculture, Agriculture and Food Research Initiative Sustainable Agricultural Systems, Conference Grant (\$49,748, funded)  
Eaton, W. et al. Advancing Scholarship and Practice of Stakeholder Engagement In Working Landscapes.
- 2019 Montana EPSCoR CREWS Research SEED grant (\$21,805, declined)  
Church, S.P. Examining the value of intensive participatory research in the Judith River watershed: Systems thinking, trust in science, and a research plan to examine long-term social and environmental outcomes.
- 2019 Montana Water Center. Faculty seed grant (\$15,000, declined)  
Church, S.P. Exploring the efficacy of the National Water Quality Initiative in Montana: Bridging divides to meet water quality and quantity goals.
- 2019 Montana Water Center. Faculty seed grant (\$15,000, funded)  
Kleindl, W. and S.P. Church. Rapid Wetland Services Assessment (WSA) for Montana State and Tribes.
- 2019 National Institute of Food and Agriculture, Agriculture and Food Research Initiative Sustainable Agricultural Systems  
Prokopy, L.S. et al. #MoreThanCorn: Enhancing rural resilience through landscape diversity in the Midwest. (\$10 million; S.P. Church portion \$202,000, declined)
- 2019 National Wildlife Federation (\$20,000, funded)  
Prokopy, L.S., P. Ranjan, S.P. Church. Efficacy of Messaging on Farmer Attitudes and Behaviors.
- 2019 NIEHS Superfund Hazardous Substance Research and Training Program (P42)  
PFAS Fate, Reduction and Developmental Origins of Toxicity  
Lead Investigator: Lee, L.  
Community Engagement Core: Prokopy, L.S., Z. Ma, S.P. Church (\$100,000, declined)
- 2018 Purdue University Department of Forestry and Natural Resources (\$15,000, funded)  
Church, S.P. and L.S. Prokopy. The role of systems thinking in conservation programming and impacts on cover crop adoption, penetration, and permanence: A case study of Indiana and the Big Pine Creek watershed.
- 2018 Illinois-Indiana Sea Grant College Program. Completion grant (\$10,000, declined)  
Church, S.P. Film as a catalyst for collective action in watershed planning.
- 2018 Invited full proposal: Water Resource Research National Competitive Grants Program Section USGS 104G (\$250,000, declined)  
Church, S.P., A. Reimer, L.S. Prokopy. The role of systems thinking in statewide agricultural conservation adoption and nutrient loss reduction strategies: Case studies of six states in the Midwest.
- 2017 Indiana Soybean Alliance Production and Environment Initiative (\$24,109, declined)  
Prokopy, L.S., P. Ranjan, S.P. Church. Collaboration and conservation adoption.

- 2017 The McKnight Foundation (\$99,900, *declined*)  
Prokopy, L.S., S.P. Church, M. Lowe, M. La. Evaluating economic case studies' impact on farmer adoption of sustainable practices and lessons learned for case study improvement.
- 2016 The Nature Conservancy (\$50,000, *funded*)  
Prokopy, L.S., S.P. Church, P. Ranjan, F. Eanes, L. Holscher. Evaluation of "A Networked Approach to Conservation in the Upper White Watershed".
- 2016 National Institute of Food and Agriculture, Agriculture and Food Research Initiative Competitive Grants Program: Postdoctoral Fellowships (\$152,000, *funded*)  
Church, S.P. and L.S. Prokopy. The Urban-Ag Divide: The role of social learning in water resource protection behaviors.
- 2016 North Central Region Sustainable Agriculture Research and Education Grant Program (\$45,000, *declined*)  
Stockwell, R., L. Knuffman, E. Lillard, S.P. Church, L.S. Prokopy. Advancing cover crop and soil health implementation and improving outreach effectiveness of cover crop champions.
- 2015 Purdue Climate Change Research Center SEED Grant (\$7,000, *funded*)  
Prokopy, L.S., E. Hennes, S.P. Church, A. Singh. Influence of Ag Media Framing and the Role of Uncertainty in Influencing Ag Advisors' Willingness to Promote Climate Change Adaptation.

**INVITED TALKS (\* indicates student at the time of presentation)**

1. Church, S.P. (2023). "Climate change and conservation adoption: What do we know? What do we need to know?" Invited speaker for the USDA Northern Plains Climate Hub. Billings, MT, March 14, 2023.
2. Bean, L.F.\*, A.W. Sigler, S.P. Church (2022). "The power and perils of partnership: volunteer monitoring histories as complex spatial networks." Invited speaker for the North Central Climate Collaborative webinar, online on June 27, 2022.
3. Church, S.P. (2020). "Common Ground Common Water: The use of film in education and planning." Invited speaker at University of Montana Franke College of Forestry and Conservation Graduate Seminar, Missoula, MT. January 28, 2020.
4. Church, S.P. (2019). "Systems Thinking and Farmers' Decision-making: Implications for Conservation and Adoption and Messaging." Invited speaker at Montana Institute on Ecosystems' Rough Cut Science Seminar Series, Bozeman, MT. November 13, 2019.
5. Church, S.P. (2019). "Common Ground Common Water: The use of film in education and planning." Invited speaker at Montana State University Department of Earth Sciences Departmental Seminar, Bozeman, MT. October 10, 2019.
6. Church, S.P. (2019). "Moving the Needle on Adoption of Conservation Practices in Midwestern Agriculture." Invited speaker at the Southwest Indiana Soil Health Team meeting, Vincennes, IN. April 11, 2019.
7. Church, S.P. (2018). "Common Ground Common Water: Building agricultural and urban watershed awareness." Invited speaker at the LaPorte County Soil and Water Conservation District Annual Legislative Breakfast.
8. Church, S.P. (2018). "Agriculture and Urban Watershed Awareness: The use of film in education and planning." Invited speaker at Conference on the Environment, Michigan City, IN. June 8, 2018.
9. Watts, C., S.P. Church, U. Mahl. (2016). "Linking BMP and Water Quality Success in the Indian Creek Watershed." Invited webinar through the Illinois Soybean Association. December 8, 2016.
10. Church, S.P. (2016). "Lessons learned and key takeaways from the Indian Creek watershed project." Invited talk with Illinois Soybean Association directors and staff, August 26, 2016, West Lafayette, IN.
11. Church, S.P. (2015). "Social Science Evaluation of the Indian Creek watershed project, Livingston County, Illinois." Invited webinar presented to the Alphabet Soup Group. Illinois Farm Bureau, December 17, 2015.

**PRESENTATIONS: ORAL AND POSTER (\* indicates student at the time of presentation)**

1. Boone, M.\* and S.P. Church. (2023). "Using social learning in interdisciplinary environmental research: Case studies of the Montana Consortium for Research on Environmental Water Systems". International Association for Society and Natural Resources Conference. June 12-15, 2023. Portland, Maine.
2. Floress, K., M. Baskerville, S.P. Church, S. Harden, L. Maynard, L.S. Prokopy, M. Tiboris, A. Thompson, R. Traldi, E. Usher. (2023). "Status quo, transformation, collapse: Potential futures of agriculture in the Midwestern United States". International Association for Society and Natural Resources Conference. June 12-15, 2023. Portland, Maine.
3. Traldi, R., E. Usher, L. Asprooth, J. Arbuckle, S.P. Church, K. Floress, A. Torres, L.S. Prokopy. (2023). "Barriers, Opportunities, and the Future of Agricultural Diversification in the Corn Belt: Farmers' Perspectives". International Association for Society and Natural Resources Conference. June 12-15, 2023. Portland, Maine.
4. Radulski, B.\*, M. Boone\*, S.P. Church, J. Tan, N. Babin. (2023). "Examining the role of power in agenda setting and stakeholder inclusions: a case of California Climate-Smart Agriculture. International Association for Society and Natural Resources Conference. June 12-15, 2023. Portland, Maine.
5. Rhodes, E.S.\* , J. McEvoy, E. Berglund\*, S.P. Church, W. Grinnell, K. Jones, C. Walker. (2023). "Using local knowledge to understand ecological drought impact and triggers for land management change in Montana". International Association for Society and Natural Resources Conference. June 12-15, 2023. Portland, Maine.
6. Church, S.P. and A.W. Sigler. (2022). "Social Outcomes from Community/Volunteer Collected Water Data in Montana". American Water Resource Association - Montana Annual Meeting. March 12-14, 2022. Butte, Montana.
7. Church, S.P., A. Gilbert\*, W. Kleindl. (2022). "Wetlands Protection and Planning: Potentials for Bridging Land and Water Planning through Public Engagement and Ecosystem Services". Soil and Water Conservation Society Annual Conference. July 31 – August3, 2022. Denver, Colorado.
8. Church, S.P., L. Bean\*, A.W. Sigler. (2022). "From citizen scientist to steward: Does engagement effect volunteer monitoring outcomes?" International Association for Society and Natural Resources Conference. June 26-29, 2022. San Jose, Costa Rica.
9. Gilbert, A.\*, S.P. Church. (2022). "Water Resource Governance in Montana: Opportunities for Adaptive Capacity". International Association for Society and Natural Resources Conference. June 26-29, 2022. San Jose, Costa Rica.
10. Kleindl, W., A. Gilbert\*, S.P. Church. (2022). "Ecosystem services and decision making for wetland protection: Results of an aquatic systems expert survey". Joint Aquatic Sciences Meeting. May 14-20, 2022. Grand Rapids, Michigan.
11. Guerron-Orejuela, E.\* , M. Rains, K. Rains, W. Kleindl, S.P. Church. (2022). "Groundwater Risk and Resilience in Social-Hydrological Systems. Joint Aquatic Sciences Meeting". May 14-20, 2022. Grand Rapids, Michigan.
12. VanWieren, R., G. Poole, S.P. Church, C. Kirkland. (2022). "Improving Urban Water Resources & Student Engagement through Town and Gown Partnerships". Montana Stormwater Conference. May 2-4, 2022. Missoula, Montana.
13. Church, S.P., W. Kleindl, A. Gilbert\*. (2021). "Wetland protection and planning: What do experts say constitutes 'good' decision making?" Oral presentation. 76th Soil and Water Conservation Society International Annual Conference. Virtual. July 26-28, 2021 and 25th International Symposium on Society and Resource Virtual. June 20-24, 2021.
14. Bean, L.\* , A. Sigler, S.P. Church. (2021). "Exploring information diffusion and trust in science through case studies of volunteer monitoring programs in Montana". Oral presentation at an invited pre-organized session, *Community-Engaged Research: Innovations for Moving from a Science Delivery to a Deliberative Science Approach*. 25th International Symposium on Society and Resources. Virtual. June 20-24, 2021.

15. Church, S.P., Y. Gao\*, L.S. Prokopy. (2020). "Social dimensions of "green" stormwater infrastructure in Oregon and Indiana: Implications for policies and programming." Oral presentation at pre-organized session, *Integrating Land and Water Management and Policy in the Western U.S. and Other Dry Regions*. American Association of Geographers Annual Meeting. Virtual. April 6-10, 2020.
16. Church, S.P., J. Lu, L.S. Prokopy. (2019). "The role of systems thinking in early adopter conservation behaviors: Implications for middle adopters." Oral presentation. 74th Soil and Water Conservation Society International Annual Conference. Pittsburgh, PA. July 28-31, 2019 and 25th International Symposium on Society and Resource Management, Oshkosh, WI. June 2-7, 2019.
17. Church, S.P. (2019). "Common Ground Common Water: Film as a tool for shared understanding of water resource protection." Poster presentation. 74th Soil and Water Conservation Society International Annual Conference. Pittsburgh, PA. July 28-31, 2019.
18. O'Neill, M., S.P. Church, J.M. Getson, L.S. Prokopy. (2019). "How to Have a Successful Grant Proposal: Insights from Syntheses of the USDA-NIFA Water and Climate Portfolios". Universities Council on Water Resources and National Institutes of Water Resources 2019 Annual Water Resources Conference. Snowbird, UT. June 11-13, 2019.
19. Church, S.P. (2018). "Common Ground Common Water: Film as a tool for shared understanding of water resource protection". Oral presentation. 73<sup>rd</sup> Soil and Water Conservation Society International Annual Conference. Albuquerque, NM. July 29 – August 1, 2018.
20. S.P. Church and P. Ranjan, (2018). "Barriers to conservation adoption: Evidence from qualitative research". Oral presentation at pre-organized session: "Meta-Review of Barriers and Motivations for Farmers to Adopt Conservation Practices". 73<sup>rd</sup> Soil and Water Conservation Society International Annual Conference. Albuquerque, NM. July 29 – August 1, 2018.
21. Church, S.P. (2018). "Common Ground Common Water: Film as a tool for shared understanding of water resource protection". Oral presentation at pre-organized session: "New Directions in Water Resource Planning". 24<sup>th</sup> International Symposium on Society and Resource Management, Snowbird, UT. June 17-21, 2018.
22. Ranjan, P. and S.P. Church. (2018). "Barriers to conservation adoption: Evidence from qualitative research". Oral presentation at a pre-organized session: "Meta-Review of Barriers and Motivations for Farmers to Adopt Conservation Practices". 24<sup>th</sup> International Symposium on Society and Resource Management, Snowbird, UT. June 17-21, 2018.
23. Church, S.P., L.S. Prokopy, M. O'Neill. (2017). "What are the most pressing water issues facing the U.S.? Perceptions of federal government staff." Oral presentation. 72<sup>nd</sup> Soil and Water Conservation Society International Annual Conference. Madison, WI. July 30-August 2, 2017.
24. Prokopy, L.S., J. Arbuckle, K. Floress, S.P. Church, P. Ranjan, A. Singh, J. Barmblett, K. Flahive, M. McDonald. (2017). "Meta-Review of Barriers and Motivations for Farmers to Adopt Conservation Practices." Symposium presentation. 72<sup>nd</sup> Soil and Water Conservation Society Annual Conference. Madison, WI. July 30-August 2, 2017.
25. Church, S.P. and L.S. Prokopy. (2016). "Beyond water data: Benefits to volunteers and to local water from a citizen science program." Oral presentation. Association of Collegiate Schools of Planning Annual Conference, Portland, OR. November 3-6, 2016.
26. Church, S.P., L.S. Prokopy, A.S. Singh, J. Ulrich-Schad, M. Dunn. (2016). "What marginal land? I don't have marginal land, but I'll tell you how to manage yours." Oral presentation. 22<sup>nd</sup> International Symposium on Society and Resource Management. Houghton, MI. June 22-26, 2016.
27. Getson, J.M., L.S. Prokopy, M. O'Neill, S.P. Church, L. Esman, A.S. Singh. (2016). "Characteristics of Successful Projects: Perspectives from Project Directors" Poster presentation. 22<sup>nd</sup> International Symposium on Society and Resource Management. Houghton, MI, June 22-26, 2016.
28. Ulrich-Schad, S.P. Church, and L.S. Prokopy. (2016). "Attachment, Identity, and Dependence: Do different components of farmers' sense of place matter in their conservation decision-making?" Oral presentation. MSS-NCSA Joint Annual Meeting. Chicago, IL, March 23-26, 2016.

29. Prokopy, L.S. M. O'Neill, S.P. Church. (2015). "A synthesis of the NIFA Water Portfolio (2000-2013): Lessons learned and future directions." Oral presentation. 70<sup>th</sup> Annual Soil and Water Conservation Society Annual Conference. Greensboro, NC. July 26-29, 2015.
30. Church, S.P. and L.S. Prokopy. (2015). "Capacity development through producer-led conservation practices: An evaluation of the Indian Creek Watershed conservation project." Oral presentation. 21<sup>st</sup> International Symposium on Society and Resource Management. Charleston, SC. June 13-18, 2015.
31. Prokopy, L.S. and S.P. Church. (2015). "Is Climate Change Relevant? Media and agricultural trade publication representation of drought." Oral presentation. 21<sup>st</sup> International Symposium on Society and Resource Management (ISSRM). Charleston, SC, June 13-18, 2015.
32. Church, S.P. (2015). "From Street Trees to Natural Areas: Connectedness to nature, local environmental knowledge, and neighborhood-oriented stewardship." Poster presentation. 21<sup>st</sup> International Symposium on Society and Resource Management. Charleston, SC. June 13-18, 2015.
33. Church, S.P. (2013). "Bioswales and Rain Gardens: the social benefits of place-based urban design and planning." Oral presentation. Urban Ecology and Conservation Symposium, Portland, OR, February 11, 2013.
34. Church, S.P. (2012). "Bioswales and Rain Gardens: the social benefits of place-based urban design and planning." Oral presentation. Association of Collegiate Schools of Planning Annual Conference, Cincinnati, OH, November 1 – 4, 2012.
35. Church, S.P. (2011). "Neighborhood-oriented watershed restoration: exploring the impacts of restoration on urban dwellers' connection to place, community, and environment." Oral presentation. Association of Collegiate Schools of Planning Annual Conference, Salt Lake City, UT. October 13 – 16, 2011.
36. Church, S.P. (2011). "The ecological citizen - social transformation through environmental stewardship." Oral presentation. Ecocity World Summit, Montreal, Canada, August 22 – 26, 2011.
37. Church, S.P. (2011). "Nearby Nature - uncovering neighborhood oriented urban environmental stewardship." Poster presentation. Ecocity World Summit, Montreal, Canada, August 22 – 26, 2011.
38. Church, S.P. and M. Senbel. (2009). "Design Empowerment: Low Tech Visualization Tools to Enable Local Participation in Climate Sensitive Neighborhood Design." Oral presentation. Association of Collegiate Schools of Planning Annual Conference, Crystal City, VA. October 1 – 4, 2009.

## **AWARDS**

- |      |  |
|------|--|
| 2023 | President's Excellence in Service Learning Award. Montana State University.  |
| 2022 | Best Research Paper for Impact and Quality. Soil and Water Conservation Society.<br>Prokopy, L.S., K. Floress, J.G. Arbuckle, <u>S.P. Church</u> , F.R. Eanes, Y. Gao, B.M. Gramig, P. Ranjan, and A.S. Singh. 2019. Adoption of agricultural conservation practices in the United States: Evidence from 35 years of quantitative literature. <i>Journal of Soil and Water Conservation</i> 74(5):520-534. <a href="https://doi.org/10.2489/jswc.74.5.520">https://doi.org/10.2489/jswc.74.5.520</a> . Cited 120 times (at the time of the award). |

## **University of British Columbia, Vancouver, BC, Canada**

- |             |  |
|-------------|--|
| 2012        | Faculty of Applied Science Graduate Award            |
| 2009 – 2012 | Four Year Doctoral Fellowship                        |
| 2009        | College for Interdisciplinary Studies Graduate Award |
| 2008        | Graduate Entrance Scholarship                        |

## **PROFESSIONAL SERVICE**

### **IMPACT2 \$1.5 million USDA-NIFA funded project**

IMPACT2 Advisory Committee member (May 2023 – present)

### **Western Transportation Institute [Health in All Policies](#) project**

Steering committee, data committee, and curriculum committee member (August 2023 – present)

### **NC-1190 multi-state Hatch**

Secretary Elect: NC1190: Catalysts for Water Resources Protection and Restoration: Applied Social Science Research

### **Socio-Ecological Practice Research**

Guest editor (June 2021 – December 2022)

### **International Association of Society and Natural Resources (IASNR)**

Council Member (January 2021 – present)

Co-Chair Ethics Committee (January 2021 – present)

### **Journal of American Water Resources Association**

Editorial Board member (July 2020 – present)

### **Indiana State Department of Agriculture**

Invited working session participant. “Science and Solutions in Conservation.” September 24-25, 2018. Fort Wayne, Indiana.

### **North Central Region Water Network**

Invited working session participant. “Successful Watershed Management in the Upper Midwest: Getting to Scale.” November 6-7, 2017. Dubuque, Iowa.

### **Peer Referee**

Agriculture and Human Values

Cities and the Environment

Climatic Change

Conservation Biology

Ecocity World Summit

Hydrology

Journal of the American Water Resources Association

Journal of Environmental Planning and Management

Journal of Landscape Architecture

Journal of Planning Education and Research

Land Use Policy

Local Environment

Nonprofit and Voluntary Sector Quarterly

Qualitative Research

Socio-Ecological Practice Research

Society and Natural Resources

Sustainability

Weather, Climate, and Society

### **Grant reviewer**

Delaware Sea Grant College Program (2023)

Montana State University Scholarship and Creativity Grants Program (2022)

Canada Research Coordinating Committee, New Frontiers in Research Fund (2020)

North Carolina Water Resource Research Institute small grant program (2020)

North Carolina Water Resource Research Institute USGS 104b (2020)

## **Member**

- 2022 – present American Water Resources Association  
2017 – present Soil and Water Conservation Society  
2015 – present International Association for Society and Natural Resources

## **UNIVERSITY AND DEPARTMENT SERVICE**

### **Montana State University**

- 2023 Community Development Extension Specialist search committee member  
2022 Center for Science, Technology, Ethics & Society Regional Conference Planning Committee  
2022 – present Graduate Program committee member  
2021 Tenure track search committee member  
2019 - 2022 Curriculum Committee member  
2021 Non tenure track search committee member  
2021 Unlearning Racism in Geoscience  
2019 – 2021 Student Success Committee member

### **Purdue Department of Forestry and Natural Resources Seminar**

Discussion panel presented by the NRSS Lab. “Promoting Diversity in Higher Education.” April 11, 2017.  
*Developed and presented interactive panel on diversity and inclusion.*

Dr. Paul Gobster. Research Landscape Architect, USDA Forest Service Northern Research Station.  
“Understanding the Human Dimension of Urban Natural Areas Management”. October 20, 2015.  
*Successfully nominated and hosted Dr. Gobster as a guest scientist speaker.*

### **PhD Representative University of British Columbia**

- 2011 UBC School of Community and Regional Planning Teaching and Learning Committee  
2010 – 2011 College of Interdisciplinary Studies Finance Committee

## **PROFESSIONAL DEVELOPMENT**

- 2023 Invited participant – University of Wyoming: Collaborative Governance Research and Teaching/Training Retreat  
2023 National Center for Faculty Development and Diversity: Mastering Academic Time Management  
2023 University of Michigan: Scenario Planning for Urban Futures  
2022 Adobe: Adobe Creative Campus Collaborative  
2022 MSU: ePortfolio Orientation  
2022 MSU: Implementing Inclusive Practices  
2021 MSU: Academic Advising Tips for New Faculty  
2021 MSU: Intersectionality and Privilege  
2021 MSU: AdvanaceGEO Bystander Training  
2021 Coursera: Inferential Statistics  
2021 American Planning Association: Quantitative Scenario Planning  
2021 American Planning Association: Scenario Planning 101  
2021 MSU: Banner Online Training – HR Search Committee  
2021 MSU: Excellence in Undergraduate Research Mentoring  
2021 MSU: Safe Zone Module 2 – Ally Development  
2020 MSU: Safe Zone Module 1 – Awareness and Education  
2020 MSU: Inclusive Teaching  
2020 MSU: Three pillars of remote distance teaching and learning  
2020 MSU: Rethink your teaching to promote deeper learning



- 2020 MSU: Social media visibility and research practice
- 2019 MSU: Grant Writing Bootcamp: From Idea to Proposal
- 2019 Purdue University: Postdoc Course Design Workshop
- 2018 Purdue University: Exploring academic careers: A visit to two campuses
- 2018 Purdue University: Inclusive Pedagogy and Environments
- 2018 Purdue University: Marching Off the Map: The Art of Leading Change (workshop on Generation Z)
- 2017 Purdue University: 8<sup>th</sup> Annual Conference for Pre-Tenure Women
- 2017 Purdue University: Inclusion versus Diversity
- 2017 Purdue University: Strength Finders training
- 2017 Purdue University: Strengthening Social Media Skills for Extension
- 2017 Purdue University: Write Winning Grants Workshop
- 2016 Purdue University: Engagement and Service-Learning Summit
- 2016 Purdue University: Microaggressions: The Big Impact of the Little Things workshop
- 2016 Purdue University: Recognizing Students of Concern training
- 2015 Purdue University: Encouraging Active Learning
- 2015 Purdue University: Safe Zone training
- 2011 University of British Columbia: Beyond Concept Maps: Mindmapping Innovations for Multifaceted-Sustainability
- 2011 University of British Columbia: Presentation Skills Workshop
- 2009 University of British Columbia: Instructional Skills Workshop for Graduate Students

**COMPUTER SKILLS**

Microsoft Office, NVivo, Qualtrics, ArcGIS, SPSS, Adobe InDesign, Adobe Photoshop, Adobe Express