

KRISTIN K. SMITH

Earth Sciences Department, Montana State University
Resources & Communities Research Group
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EDUCATION & TRAINING

- 2016 – 2020 **Ph.D Earth Sciences** - Geography, Montana State University.
USDA NIFA Pre-doctoral Fellow, Project #2017-07020
Dissertation: *The Inner Workings and Long-term Impacts of Unconventional Oil and Gas Development in the Bakken Shale Formation*
Advisor: Dr. Julia H. Haggerty, Montana State University
- 2019 **Professional Certificate in Municipal Finance**, Harris School of Public Policy, The University of Chicago
- 2012 – 2014 **M.S. Community Development & Applied Economics**, University of Vermont.
Thesis: *Turf Wars and Corporate Sponsorship: Challenges in the Food System and The Academy of Nutrition and Dietetics*
Advisor: Dr. Sarah N. Heiss, University of Vermont
- 2012 – 2014 **Graduate Certificate in Ecological Economics**, Gund Institute for Ecological Economics, University of Vermont.
- 2004 – 2008 **Bachelor of Arts**, Film & Media Culture Studies, Middlebury College.

ACADEMIC & PROFESSIONAL APPOINTMENTS

- 2016 – 2020 **Graduate Research Assistant, Montana State University** (Bozeman, MT)
2018 – 2020: USDA NIFA Pre-doctoral Fellow, Project #2017-07020:
Strengthening Rural Community Resilience at the Energy-Agriculture Nexus:
Identifying Resilience Traps and Barriers
Methods: Semi-structured interviews, fiscal analysis, document analysis of testimonies from North Dakota Legislative Assembly
PI: Dr. Julia H. Haggerty, Montana State University
- 2016 – 2018: USDA NIFA, Project #2014-05498: Escaping the Resource Curse:
Leveraging the Benefits of Energy Development for Rural Prosperity
Methods: Case study development, program evaluation, participatory research with community group, collaborative community workshops
PI: Dr. Julia H. Haggerty, Montana State University
- 2015 **Interim Program Director, Rutland Area Farm & Food Link** (Rutland, VT)

- 2014 – 2015 **Communication & Outreach Coordinator, Office of Sustainability Integration, Middlebury College** (Middlebury, VT)
- 2012 – 2015 **Freelance Journalist, *Rutland Herald*** (Rutland, VT)
- 2012 – 2014 **Graduate Research Assistant, University of Vermont** (Burlington, VT)
 2014: Community Development Graduate Student Intern, Vermont Agency of Commerce and Community Development
Methods: Key stakeholder interviews, literature review
Supervisor: Ken Jones, Economic Research Analyst, Vermont Agency of Commerce and Community Development
- 2013 – 2014: Center for Rural Studies Graduate Research Assistant
Methods: Socio-economic data analysis, data visualization and communication
Supervisor: Dr. Jane Kolodinsky, University of Vermont
- 2012 – 2013: Graduate Research Assistant, Vermont Agricultural Experiment Station Hatch Grant: Persuasion, Dieticians, and Sponsors in the Academy of Nutrition and Dietetics
Methods: Semi-structured interviews, focus groups, ethnography
PI: Dr. Sarah H. Heiss, University of Vermont
- 2011 – 2012 **Community Engagement Coordinator, Rutland Area Farm & Food Link** (Rutland, VT)
- 2008 – 2010 **Development & Communications Coordinator, Vermont Youth Conservation Corps** (Richland, VT)

COMPETITIVE FUNDING & HONORS

- 2018 – 2020 \$89,615. USDA NIFA Predoctoral Fellowship, Project #2017-07020.
 2019 \$780. Quadrennial British-Canadian-American Conference on Rural Geography Student Research Award, Rural Geography Specialty Group, American Association of Geographers.
- 2018 – 2019 \$2,700. Marathon Oil Scholarship & Vecta Oil Graduate Award, Earth Sciences Department, Montana State University.
- 2018 – 2019 \$1,500. Graduate Student Research Award, Center for Western Lands & Peoples, Montana State University.
- 2017 – 2018 \$2,700. Oil Scholarship & Vecta Oil Graduate Award, Earth Sciences Department, Montana State University.
- 2017 Energy Impacts Symposium, Academic Poster Competition, Second Place.
- 2016 – 2017 \$1,500. Graduate Student Research Award, Center for Western Lands & Peoples, Montana State University.
- 2012 – 2014 Graduate College Fellow, University of Vermont.
- 2007 \$2,900. Academic Outreach Endowment Award, Middlebury College.

TEACHING EXPERIENCE

- Fall 2017 Instructor, ECO 2030 Microeconomics. Community College of Vermont.
- Spring 2014 Graduate Teaching Assistant, CDAE 295 Public Communication Service Learning Capstone Course. University of Vermont.
- Spring 2013 Graduate Teaching Assistant, CDAE 295 Public Communication Service Learning Capstone Course. University of Vermont.
- Fall 2012 Graduate Teaching Assistant, CDAE 024 Fundamentals of Public Communication. University of Vermont.

PUBLICATIONS

Refereed Journal Articles

- 2019 **Smith, K. K.**, J.H. Haggerty, D. L. Kay, and R. Coupal. "Using Shared Services to Mitigate Boomtown Impacts in the Bakken Shale Play: Resourcefulness or Over-adaptation?" *Journal of Rural and Community Development*, 14(2): 66-86.
- 2019 Haggerty, J. H., **K. K. Smith**, J. Weigle, T. W. Kelsey, K. B. Walsh, R. Coupal, D. Kay, and P. Lachapelle. "Tradeoffs, Balancing, and Adaptation in the Agriculture-Oil and Gas Nexus." *Energy Research & Social Science*, 47: 84-92.
- 2018 Haggerty, J. H., A. C. Kroepsch, K. B. Walsh, **K. K. Smith**, and D. W. Bowen. "Geographies of Impact and the Impacts of Geography: Unconventional Oil and Gas in the American West." *The Extractive Industries and Society*, 5(4): 619-633
- 2018 Lachapelle, P., **K. K. Smith**, J. H. Haggerty, T. W. Kelsey. "The National Extension Oil and Gas Initiative." *Journal of Extension*, 56(7).
- 2018 Haggerty, J. H., **K. K. Smith**, T. Mastel, J. Lapan, and P. Lachapelle. "Assessing, Monitoring and Addressing Boomtown Impacts in the US: Evaluating an Existing Public Health Model." *Impact Assessment and Project Appraisal*, 36(1): 115-127.
- 2018 Heiss, S. N., **K. K. Smith**, H. Carmack. "Waging a Professional Turf War: An Examination of Professionalization as a Strategic Communication Practice used by Registered Dietitians." *Qualitative Research in Medicine & Healthcare*, 2(3).

Refereed Book Chapters

- 2018 **Smith, K. K.** and J. H. Haggerty. "Devolved Governance & Alternative Dispute Resolution Programs: An Example from the Bakken." In *Governing Shale Gas: Development, Citizen Participation and Decision Making in the US, Canada, Australia and Europe*, edited by Kathy Brasier, Matthew Cotton, and John Whitton. London: Routledge: 184-197.

White Papers, Reports, & Popular Pieces

- 2020 **K. K. Smith.** “Communities in Action Corps: 2019 Program Evaluation.” Richland County Department of Public Health, Montana.
- 2019 **K. K. Smith.** “Oil Booms Revisited: Ups and Downs of the Permian Basin.” Blog post. <https://www.ksmithresearch.com/permian>
- 2019 **K. K. Smith.** “The Spectacle & Invisibility of Roads in the Bakken.” Blog post. <http://resources4communities.org/new-blog/2019/2/26/the-spectacle-and-invisibility-of-roads-in-the-bakken-shale-play-1>
- 2017 **K. K. Smith** and J. H. Haggerty. “Addressing Energy Impacts: A Case Study of the Northwest Landowners Association.” Resources and Communities Research Group, Department of Earth Sciences, Montana State University. http://www.montana.edu/energycommunities/documents/NWLA_CaseStudy2016.pdf
- 2016 Mastel, T., **K. K. Smith**, J. H. Haggerty, and K. B. Walsh. “Communities in Action Program Evaluation: Report to Richland County Department of Public Health.” Resources and Communities Research Group, Department of Earth Sciences, Montana State University.

Manuscripts in Preparation

- In review **Smith, K. K.** and J. H. Haggerty. “Exploitable Ambiguities & the Unruliness of Natural Resource Dependence: Public Infrastructure in North Dakota’s Bakken Shale Play.”
- In process **Smith, K. K.** “The Demands on and of Roads in Boomtowns: Proposing a Geographies of Public Finance Approach.”

Writing Samples: Research Executive Summaries

Designed and written on behalf of USDA NIFA Project #2014-05498 research team

- 2018 “The Relationship between Oil and Gas Development and Landowners: Bakken, Powder River Basin, Marcellus.” Executive Summary. *Escaping the Resource Curse: Leveraging the Benefits of Energy Development for Rural Prosperity*. USDA NIFA, Project #2014-05498. http://www.montana.edu/energycommunities/documents/Landowner_Web.pdf
- 2018 “The Relationship between Oil and Gas Development and Businesses Bakken, Powder River Basin, Marcellus.” Executive Summary. *Escaping the Resource Curse: Leveraging the Benefits of Energy Development for Rural Prosperity*. USDA NIFA, Project #2014-05498. http://www.montana.edu/energycommunities/documents/Business_Web.pdf

ACADEMIC & COMMUNITY SERVICE RECORD

Community:

- 2019– present Volunteer Member, Vermont Town of Sudbury Energy Committee.
- 2014– present Volunteer Member, Publications Committee, Green Mountain Club.
- 2014– present Board Member, General Breed Fund for Vermont Summer Camps.
- 2012 – 2015 Steering Committee Member, Community Forum, Vermont Public Radio.

Academic:

- 2019– present Reviewer, *The Extractive Industries and Society*.
- 2019– present Reviewer, *Journal of Rural and Community Development*.
- 2016– present Committee Member, Montana State University, Earth Sciences Student Colloquium.
- 2017 – 2018 Treasurer, Graduate Student Affinity Group, American Association of Geographers.
- 2016 – 2017 Graduate Student Representative, Montana State University Graduate Council.
- 2011 – 2017 Alumni Volunteer Interviewer for Prospective Students, Middlebury College.
- 2014 Graduate Student Search Committee Member, University of Vermont.

INVITED TALKS

- 2019 **Smith, K. K.** “The Inner Workings and Long-term Impacts of Unconventional Oil and Gas Development in the Bakken Shale Formation.” Environmental Studies Colloquium, Middlebury College, Vermont.
<https://vimeo.com/371748981>

CAMPUS & DEPARTMENTAL TALKS

- 2019 **K. K. Smith** and Katie Epstein. Guest lecture in GPHY 322 – Economic Geography, Department of Earth Sciences, Montana State University.
- 2018 **K.K. Smith.** “Resilience to Economic Shocks in Bakken Energy Communities.” Graduate Scholars Poster Galleria, Montana State University.
- 2017 **K. K. Smith.** “Turf Wars & Professionalism: The Battle for Expertise and Legitimacy in the Academy of Nutrition and Dietetics.” Women’s Center Sack Lunch Seminar, Montana State University.
- 2017 **K. K. Smith.** “Infrastructure & Sugar Beets: A Revisionist History of Sidney, Montana.” Earth Sciences Student Colloquium, Montana State University.
- 2016 **K. K. Smith.** “Impacts from Unconventional Oil and Gas Development on Agriculture Landowners.” Earth Sciences Student Colloquium, Montana State

University.

- 2016 **Smith, K. K.**, J.H. Haggerty, and K. B. Walsh. “Escaping the Resource Curse: Findings from Comparative Energy Impacts Research in the Bakken, Powder River Basin, and Marcellus.” Department of Earth Sciences Seminar Series, Montana State University.

CONFERENCE PRESENTATIONS

- 2019 **Smith, K. K.** “The Unruliness of Natural Resource Dependence: Public Works Infrastructure in the Bakken Shale Play.” Working Landscapes and Livable Communities, Ninth Quadrennial Conference of British, Canadian, and American Rural Geographers, Vermont.
- 2019 **Smith, K. K.** “Roads & Booms: The Ambiguity of Public Infrastructure in Boomtowns.” Energy and Society in Transition: 2nd International Conference on Energy Research and Social Science, Tempe, AZ.
- 2019 **Smith, K. K.** “Roads & Booms: The Spectacle and Invisibility of Infrastructure.” Annual Meeting of American Association of Geographers, Washington, D.C.
- 2018 **Smith, K. K.** and J. H. Haggerty. “Resilience & Energy Communities: Western Area Water Supply.” International Symposium on Society & Resource Management, Snowbird, UT.
- 2018 **Smith, K. K.** and J. H. Haggerty. “Spiraling Path Dependencies: The Western Area Water Supply Project of North Dakota.” Annual Meeting of American Association of Geographers, New Orleans, LA.
- 2017 **Smith, K. K.** and J. H. Haggerty. “Strengthening Community Resilience at the Energy-Agriculture Nexus: Identifying Resilience Traps in Bakken Communities.” Poster, Energy Impacts Symposium, Columbus, OH.
- 2017 Haggerty, J. H. and **K. K. Smith.** “Research Fatigue in Energy Boomtowns.” Poster, Energy Impacts Symposium, Columbus, OH.
- 2017 **Smith, K. K.** and J. H. Haggerty. “Planning for Pipelines: A Case Study in Community Resilience in the Oil Fields of North Dakota.” Annual Meeting of American Association of Geographers, Boston, MA.
- 2016 **Smith, K. K.** and Julia H. Haggerty. “Stewards of Place: Lessons Learned from the Northwest Landowners Association in the Bakken Oil Fields.” Great Plains / Rocky Mountain Division of the American Association of Geographers, Colorado Springs, CO.

- 2016 **Smith, K. K.** and P. Lachapelle. “Sharing Extension Outreach in Oil and Gas Impacted Areas: A ‘Round-Panel’ Discussion.” National Association of Community Development Extension Professionals Annual Conference, Burlington, VT.
- 2015 **Smith, K. K.** and S. N. Heiss. “Health Activism, Neoliberalism, & Corporate Sponsors in the Academy of Nutrition and Dietetics.” Eastern Communication Association, Philadelphia, PA.
- 2014 **Smith, K. K.** and S. N. Heiss. “Turf Wars and Occupational Identity: The Battle for Expertise and Legitimacy in the Academy of Nutrition and Dietetics.” National Communication Association, Chicago, IL.
- 2014 **Smith, K. K.**, P. LaFarge, J. Marlow, and N. Jenks-Jay, N. “Community Sustainability in a Post Graduate World: How does a Liberal Arts Education Matter?” Panel, Association for the Advancement of Sustainability in Higher Education, Portland, OR.
- 2013 Suozzo, A., **K. K. Smith**, and G. Battista, G. “Confluence of Food, Risk, and Communication in Raw Milk Consumption.” Poster, Eastern Communication Association. Pittsburgh, PA.