

MOREY BURNHAM
Curriculum Vitae
Idaho State University
Department of Sociology, Social Work, and Criminology
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EDUCATION

- 2014 Ph.D., Utah State University, Human Dimensions of Ecosystem Science and Management
- 2008 M.S., Antioch University New England, Environmental Studies
- 2003 B.A., University of Connecticut, English Literature

APPOINTMENTS

- 2016- Research Assistant Professor, Department of Sociology, Social Work, and Criminology, Idaho State University
- 2014- Postdoctoral Research Associate, Northeast Woody/Warm-Season Biomass Consortium, SUNY-
2016 ESF

PUBLICATIONS

Peer Reviewed Publications

- 2017 Eaton, W., Burnham, M., Hinrichs, C., & Selfa, T. Bioenergy experts and their imagined “obligatory publics” in the United States: implications for public engagement and participation.
- 2016 Burnham, M., & Ma, Z. Climate change adaptation: factors influencing Chinese smallholder farmers’ perceived self-efficacy and adaptation intent. *Regional Environmental Change*. Available online.
- Burnham, M., & Ma, Z. Linking smallholder climate adaptation decisions to development. *Climate and Development*, 8(4), 289-311.
- Burnham, M., Ma, Z.; Endter-Wada, J., & Bardsley, T. Water management decision-making in the face of multiple forms of risk and uncertainty. *Journal of the American Water Resources Association*. Available online.
- Burnham, M., Ma, Z., & Zhang, B. Making sense of climate change: hybrid epistemologies, socio-natural assemblages, and smallholder knowledge. *Area*, 48(1), 18-26.
- Takahashi, B., Burnham, M., & Selfa, T. Farmer climate change risk perceptions and adaptive capacity in New York State. *Environmental Management*. Available online.
- Zhang, B., Wu, P., Zhao, X., Burnham, M., & Gao, X. Evaluating the coupling effects of climate aridity and vegetation restoration on soil erosion over the Loess Plateau in China. *Science of the Total Environment*, 539, 436-449.

- 2015 Burnham, M., Ma, Z., & Zhu, D. The human dimensions of water saving irrigation: lessons learned from Chinese smallholders. *Agriculture and Human Values*, 32(2), 347-360.
- Feldpausch-Parker, A., Burnham, M., Melnik, M., Callaghan, M., & Selfa, T. News media analysis of carbon capture and storage and biomass: perceptions and possibilities. *Energies*, 8(4), 3058-3074.
- Selfa, T., Iaroi, A., & Burnham, M. Promoting ethanol in rural Kansas: cultural politics and local framings. *Journal of Rural Studies*, 39, 63-73.
- 2013 Burnham, M., Radel, C., Ma, Z., & Laudati, A. Extending a geographic lens towards climate justice, part 1: climate change characterization and impacts. *Geography Compass*, 7(3), 239-248.
- Burnham, M., Radel, C., Ma, Z., & Laudati, A. Extending a geographic lens towards climate justice, part 2: climate action. *Geography Compass*, 7(3), 228-338.

Non-Peer Reviewed Publications

- 2016 Watkins, D.,...Burnham, M.,...et al. *Coupled production-consumption systems for climate change mitigation: designing equitable food, energy, and water conservation strategies*. Michigan Technological University: National Science Foundation Food, Energy, and Water Workshop.
- 2014 Burnham, M., Radel, C., Ma, Z., & Laudati, A. Teaching and learning guide for extending a geographic lens towards climate justice. *Geography Compass*, 8(4), 277-285.

GRANTS AND FELLOWSHIPS

- 2016 NSF Innovations at the Nexus of Food, Energy and Water Systems: Coming to terms with unquantified irrigation use in the Northeastern U.S.: testing novel cyberinfrastructure for tracking sporadic and spatially variable farm water use. Senior personnel. \$603, 117 requested. Not funded.
- 2015 USDA NEWBio Seed Grant: Determining the social availability of marginal land for dedicated energy crop production. Co-PI, \$27,300.
- 2013 NSF EPSCoR iUTAH Fellowship: Assessing institutional barriers to adapting water management to climate change in Utah, \$16, 871.
- Utah State University Graduate School Dissertation Fellowship, \$5,000.
- 2008 Congressional Progressive Caucus Fellow, Washington D.C., \$3000.

TEACHING EXPERIENCE

- 2015 Guest instructor for workshop on computer assisted qualitative data analysis, Department of Environmental Studies, State University of New York College of Environmental Science and Forestry. EST 605. Qualitative Research Methods.

- 2014 Guest instructor for workshop on computer assisted qualitative data analysis, Department of Environmental Studies, State University of New York College of Environmental Science and Forestry. ES 605. Qualitative Research Methods.
- 2012 Instructor, Department of Environment and Society, Utah State University. ENV5 3010: Fundamentals of Natural Resource and Environmental Policy.
- 2011 Teaching Assistant, Department of Environment and Society, Utah State University. ENV5 3010: Fundamentals of Natural Resource and Environmental Policy.

CONFERENCE ACTIVITY

Research Presentations

- 2016 Eaton, W., Burnham, M., Selfa, T., & Hinrichs, C. The role of symbolic interpretations of place and technology in shaping landowner decision-making to plant bioenergy crops. Rural Sociological Society Annual Meeting. Toronto, Canada. August 7-10.
- Eaton, W., Burnham, M., Selfa, T., & Hinrichs, C. Socio-technical imaginaries for bioenergy development in the Northeast United States: an imaginaries conflict approach. XIV World Congress of Rural Sociology. Toronto, Canada. 10-14 August.
- Burnham, M., Eaton, W., Selfa, T., Feldpausch-Parker, A., & Hinrichs, C. Bioenergy experts and their imagined publics: implications for socio-technical practice and change. Association of American Geographers' Annual Meeting. San Francisco, CA. 29 March- 2 April.
- 2015 Hinrichs, C., Burnham, M., Selfa, T., & Feldpausch-Parker, A. Rural bioenergy niches: narratives, landscapes, and pathways in comparative perspective. Rural Sociological Society Annual Meeting. Madison, WI. 6-9 August.
- Burnham, M., & Ma, Z. Situating climate change perception and adaptation in the context of social-ecological change: lessons learned from Chinese smallholder farmers. Initiative on Climate Adaptation Research and Understanding through the Social Sciences Conference. Urbana-Champaign, IL. 7-9 May.
- Burnham, M., Selfa, T., Feldpausch-Parker, A., & Hinrichs, C. Bioenergy niches: narratives of sustainability in sociotechnical transitions. Association of American Geographers' Annual Meeting. Chicago, IL. 21-25 April.
- Zhang, B., He, C., Burnham, M., & Zhang, L. Evaluating vegetation cover response to drought and their coupling effects on runoff and sediment yield on the Loess Plateau, China. Association of American Geographers' Annual Meeting. Chicago, IL. 21-25 April.
- Endter-Wada, J., Burnham, M., Ma, Z., & Bardsley, T. Water policy challenges and dilemmas of urbanization processes in Utah. American Water Resources Association 2015 Spring Specialty Conference: Water for Urban Areas. Los Angeles, CA. 30 March-1 April.
- 2014 Burnham, M., Ma, Z., Endter-Wada, J., & Bardsley, T. Creating Utah's water future: the politics of water management adaptation to climate change. Association of American Geographers' Annual Meeting. Tampa, FL. 8-12 April.

2013 Burnham, M., & Ma, Z. Climate change perception and adaptation in the context of multiple stressors: a case study of smallholders in northwest China. 19th International Symposium on Society and Resource Management. Estes Park, CO. 4-8 June.

Ma, Z., Burnham, M., & Cook, S. Why do they see climate change differently? A comparative study of agricultural producers in northwest China and Utah. 19th International Symposium on Society and Resource Management. Estes Park, CO. 4-8 June.

Ma, Z., Burnham, M., Zhang, B., & Zhu, D. Climate information: is it the cure? NOAA's 11th Annual Climate Prediction Applications Science Workshop. Logan, UT. 23-25 April.

Burnham, M., Ma, Z., & Zhang, B. Mixed-methods, mixed results: examining smallholder climate change perception, vulnerability, and adaptation in northwest China. Association of American Geographers' Annual Meeting. Los Angeles, CA. 9-12 April.

Sessions Organized

2014 Popke, J., & Burnham, M. Mixed-methods and hybrid epistemologies in climate change research. Association of American Geographers' Annual Meeting. Tampa, FL. 8-12 April.

INVITED TALKS

2015 Burnham, M. Reading climate change knowledge and adaptation of off smallholder livelihoods in the Loess Plateau Region of China. Environmental Studies Colloquium Series. State University of New York College of Environmental Science and Forestry. Syracuse, NY. 23 September.

2014 Ma, Z., & Burnham, M. Climate change perception and adaptation in the context of multiple stressors: a case study of smallholder farmers in northwest China. Spring 2014 Colloquium Series of The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis. Bloomington, IN. 5 March.

ACADEMIC SERVICE

Professional Service

Reviewer, Global Center for Food Systems Innovation grants competition (2015)

Manuscript reviewer:

Agriculture and Human Values
Climate Risk Management
Climate
Energy Research and Social Science
Geoforum
Journal of Development Studies (2)

Journal of Risk Research (3)
Journal of Soil and Water Conservation
Renewable Agriculture and Food Systems (3)
Sustainability
Water Resources and Rural Development

Departmental Service

2013 Quinney College of Natural Resources Graduate Student Council, Utah State University.

2012 Quinney College of Natural Resources Graduate Student Council On-Campus Educational Development Chairperson, Utah State University.

PROFESSIONAL MEMBERSHIPS

Association of American Geographers

TRAINING AND SKILLS

Software: ATLAS.ti; CSPro; GrADS (basic); Stata

Language skills: Mandarin Chinese- intermediate proficiency in spoken Chinese; basic proficiency in reading