

CURRICULUM VITAE

June 2017

Hannah Brenkert-Smith, Ph.D.

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Environment & Society Program
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EDUCATION

- Ph.D., Sociology* University of Colorado at Boulder
August 2008 Ph.D. Dissertation: *Placing Wildfire in Context: Environmental and Social Dimensions of Mitigation Decision-Making*
Dissertation Committee: Drs. Lori Hunter (Chair)
Kathleen Tierney, Daniel R. Williams, Nicholas Flores, Jane Menken
August 2002 - August 2008
- M.A., Women's Studies* San Francisco State University, San Francisco, CA
May 1999 MA Thesis: *Constructing Population Targets and Truths: Gender and Population in the Development Apparatus*
Thesis Committee: Drs. M.A. Jaimes Guerrero (Chair)
Minoo Moallem, Inderpal Grewal, Chinosole
August 1997 - May 1999
- B.A., Women's Studies* University of Colorado at Boulder
May 1995 August 1991 - May 1995

SPECIALIZED TRAINING

- U.S. Peace Corps* Agroforestry Extension
1999-2000 Cameroon, Africa

PROFESSIONAL EXPERIENCE

- Research Associate* Institute of Behavioral Science - Environment & Society Program
January 2011 – present University of Colorado - Boulder
- Postdoctoral Fellow* National Center for Atmospheric Research
January 2009- January 2011 Advanced Study Program
Integrated Science Program: Research Applications Lab
- Science Policy Fellow* National Academies of Science, Washington, D.C.
Winter 2007 Christine Mirzayan Science and Technology Policy Fellowship
Committee on the Human Dimensions of Global Change
- EPA STAR Fellow* U.S. Environmental Protection Agency

September 2005 – August 2008	STAR (Science to Achieve Results) Fellowship Dissertation Project: Wildfire Risk Decision-Making in the Wildland-Urban Interface
<i>Graduate Research Assistant</i> May 2004 - August 2005	Institute of Behavioral Science; Environment and Behavior University of Colorado, Boulder, CO Project: The Effect of Proximity to Wildfire Risk on Mitigation Efforts by Homeowners at the Wildland-Urban Interface
<i>Graduate Research Assistant</i> May 2003 - May 2004	Institute of Behavioral Science; Environment and Behavior University of Colorado, Boulder, CO Project: Institutions and Incentives for Mitigating Wildfire Risks
<i>Graduate Teaching Assistant</i> January 2003 - May 2003	Department of Sociology- Course: Data Analysis University of Colorado, Boulder, CO
May 2002 – December 2002	University of Colorado, Boulder, CO Department of Sociology- Course: Research Methods
August 2001 - May 2002	University of Maryland, College Park, MD Department of Sociology- Courses: Research Methods & Social Problems

Manuscripts under Review

Brenkert-Smith, H., Meldrum, J., Champ, P., and Barth, C. Where you stand depends on where you sit: A qualitative inquiry into notions of fire adaptation. *Ecology and Society* (2nd revise & resubmit).

Champ, P., **Brenkert-Smith, H.**, Meldrum, J. Barth, C., Falk, L., Gomez, J., and Warziniack, T. Risk-averse homeowners and wildfire risk exposure. *Land Economics* (2nd revise & resubmit).

Meldrum, J., Champ, P. and **Brenkert-Smith, H.** Social complexity of populations at risk from wildfire. *Society and Natural Resources* (1st revise & resubmit).

Dickinson, K.L., **H. Brenkert-Smith**, G. Madonia, and N. Flores. Risk interdependency, social norms, and wildfire mitigation: A choice experiment. *Journal of Public Economics* (review 1).

Brenkert-Smith, H., Dickinson, K., and Flores, N. Relevant Recruitment for Natural Hazard and Resource Management Dilemmas. For Sage Publications (review 1).

Warziniack, T., P. Champ, J. Meldrum, **H. Brenkert-Smith**, C. Barth, and L.C. Falk. Responding to risky neighbors: Testing for spatial spillover effects for defensible space in a fire-prone WUI community. *Env. & Resource Economics* (review 1)

Peer Reviewed Publications

Schoennagel, T., Balk, J., **Brenkert-Smith, H.**, Dennison, P., Harvey, B., Krawchuk, M., Morgan, P. Moritz, M., Rasker, R., Turner, M.G., and Whitlock, C. 2017. Adaptation to western wildfires as climate changes. *Proceedings of the National Academy of Sciences* 114(18), 4582-4590.

Champ, P.A. and **H. Brenkert-Smith**. 2016. Is Seeing Believing? Wildfire risk perceptions after a catastrophic fire. *Risk Analysis* 36(4): 816-830.

- Brenkert-Smith, H.**, J. Meldrum, P.A. Champ. 2015. Climate change beliefs and hazard mitigation behaviors: Homeowners and wildfire risk. *Environmental Hazards* 14(4): 341-360.
- Paveglio, T., **H. Brenkert-Smith**, T. Hall, and A. Smith. 2015. Understanding social impact from wildfires: A means for assessment across landscapes. *International Journal of Wildland Fire* 24(2): 212-224.
- Meldrum, J., P. Champ, **H. Brenkert-Smith**, T. Warziniack, C. Barth, and L. Falk. 2015. Understanding the Gap between the Risk Perceptions of WUI Residents and Wildfire Professionals. *Risk Analysis* 35(9) 1746.
- Paveglio, T., M. Carroll, T. Hall, **H. Brenkert-Smith**. 2015. Put the Wet Stuff on the Hot Stuff: Fire management delegation and trust among local communities: The Columbia Complex Fire. *Journal of Rural Studies*, 41:72-81.
- Dickinson, K., **H. Brenkert-Smith**, P. Champ, and N. Flores. 2015. Catching Fire: Social Interactions, Risk Perceptions, and Wildfire Mitigation Behaviors. *Society and Natural Resources* 28(8):807-829.
- Petty, A., C. Isendahl, **H. Brenkert-Smith**, D.J. Goldstein, T.C. Kumasi, A. Rahman, and J.M. Rhemtulla. 2015. Applying historical ecology to natural resource management institutions: lessons from two case studies of landscape fire management. *Global Environmental Change* 31:1-10.
- Meldrum, J., P.A. Champ, T. Warzinick, **H. Brenkert-Smith**, C.M. Barth, and L.C. Falk. 2014. Cost shared wildfire risk mitigation in Log Hill Mesa, Colorado: Survey evidence on participation and willingness to pay. *International Journal of Wildland Fire* 23:567-576.
- Nawrotzki, R., **H. Brenkert-Smith**, L. Hunter, P. Champ, and N. Flores. 2014. Wildfire-Migration Dynamics: Lessons from Colorado's Fourmile Canyon Fire. *Society and Natural Resources* 27(2): 215-225.
- P.A. Fischer, T. Paveglio, M. Carroll, D. Murphy, and **H. Brenkert-Smith**. 2013. Assessing social vulnerability to climate change in rural communities near public lands: Elements of framework for managers and planners. *Journal of Forestry* 111(5): 357-365.
- Brenkert-Smith, H.**, K. Dickinson, P. Champ, and N. Flores. 2013. Social Amplification of Wildfire Risk: The role of social interactions and information sources. *Risk Analysis* 33(5): 800-817. doi: 10.1111/j.1539-6924.2012.01917.x.
- Brenkert-Smith, H.**, P. Champ, and N. Flores. 2012. Trying not to get burned: Understanding Homeowners' Wildfire Risk Mitigation Behaviors. *Environmental Management* 50(6): 1139-1151.
- M. Hayden, **H. Brenkert-Smith**, and O. Wilhelmi. 2011. Differential Adaptive Capacity to Extreme Heat: A Phoenix, AZ Case Study. *Weather, Climate, and Society* 3(4): 269-280.
- Brenkert-Smith, H.** 2011. Homeowners' perspectives on the parcel approach to wildland fire mitigation: the role of community context in two Colorado communities. *Journal of Forestry* 109(4): 193-200.
- Brenkert-Smith, H.** 2010. Building Bridges to Fight Fire: The role of informal social interactions in six Colorado wildland-urban interface communities. *International Journal of Wildland Fire* 19(1):689-697.
- Brenkert-Smith, H.** 2006. The Place of Fire. *Natural Hazards Review* 7(3):105-113.

Brenkert-Smith, H., P. Champ, and N. Flores. 2006. Qualitative Insights into Wildfire Mitigation. *Society and Natural Resources* 19(8): 759-768.

Manuscripts in Preparation

Brenkert-Smith, H., Dickinson, K., and Flores, N. Insurance Sticks and Carrots: Do they work to spur wildfire mitigation?

Brenkert-Smith, H. and S. McCaffrey. Measuring risk perception in wildfire social science research.

Brenkert-Smith, H., Meldrum, J., Champ, P., and Barth, C. Finding the middle way to fire adaptation: The centrality of the regional perspective.

Meldrum, J., **Brenkert-Smith, H.,** Champ, P., Barth, C., Falk L., and Gomez, L. Whose definition of risk? Comparing wildfire risk maps for a wildland-urban interface community in southwest CO

Professional or Technical publications

Meldrum, J., C. Barth, P. Champ, **H. Brenkert-Smith,** L. Falk, and T. Warziniack (In press). Insurance and wildfire risk: what do we know? *Fire Management Today*.

McCaffrey, S., **H. Brenkert-Smith,** M. Stidham. Powerhouse Fire Report. Research Note. USFS (in review).

Stidham, M., **H. Brenkert-Smith,** S. McCaffrey. Doce Fire Report. Research Note. USFS (in review).

Meldrum, James R.; Falk, Lilia C.; Gomez, Jamie; Barth, Christopher M.; Brenkert-Smith, Hannah; Warziniack, Travis; Champ, Patricia A. 2017. Living with wildfire in Telluride Fire Protection District, Colorado. Res. Note RMRS-RN-75. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 30 p.

Toman, E., **Brenkert-Smith, H.,** Curtis, A., Rogers, M., Stidham, M. 2015. Final Report 12-2-01-59: Managing Multi-Functional Landscapes at the Interface of Public Forests and Private Land: Advancing Understanding through a Comparison of Experience in U.S. and Australia. Joint Fire Science Program. 15 p.

Toman, E., **Brenkert-Smith, H.,** Curtis, A., Rogers, M., Stidham, M. 2015. Guidebook to cognitive mapping with diverse stakeholders in natural resource management: Overview. Joint Fire Science Program. 6 p.

Toman, E., **Brenkert-Smith, H.,** Curtis, A., Rogers, M., Stidham, M. 2015. Guidebook to cognitive mapping with diverse stakeholders in natural resource management: Section II. Method 1: Using cognitive mapping to explore stakeholder perceptions of desired future conditions. Joint Fire Science Program. 28 p.

Brenkert-Smith, H., Stidham, M., Toman, E. 2015. Managing multi-functional landscapes at the interface of public forests and private land in western Boulder County: Project summary for study participants. Joint Fire Science Program. 24 p.

Toman, E., **Brenkert-Smith, H.,** Stidham, M. 2015. Forest Restoration in Boulder County, Colorado, March 31, 2015: Workshop Summary. Joint Fire Science Program. 2 p.

Toman, E., **Brenkert-Smith, H.,** Curtis, A., Rogers, M., Stidham, M. 2015. Guidebook to cognitive mapping with diverse stakeholders in natural resource management: Section III. Method 2: Fire management in a multi-functional landscape. Joint Fire Science Program. 5 p.

- Meldrum, James R.; Barth, Christopher, M.; Colter Falk, Lilia; **Brenkert-Smith, Hannah**; Warziniack, Travis; Champ, Patricia A. 2015. Living with wildfire in Delta County, Colorado: cross-community comparisons. Res. Note. RMRS-RN-67. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 33 p.
- Hines, S, **H. Brenkert-Smith**, P. Champ, L. Joyce, P. Robichaud, and S. Ryan-Burkett. 2014. Our relationship with a dynamic landscape: Understanding the 2013 Northern Colorado Flood. Science You Can Use Bulletin, Issue 10. Fort Collins, CO: Rocky Mountain Research Station. 15 p.
- Brenkert-Smith, H.** S. McCaffrey, M. Stidham. 2013. Pine Ridge Fire summary report. Res. Note NRS-171. Newtown Square, PA: USDA Forest Service, Northern Research Station. 12 p.
- McCaffrey, S., **Brenkert-Smith, H.**, and M. Stidham. 2013. Little Bear Fire Summary Report. Research Note. NRS-176. Newtown Square, PA: USDA Forest Service, Northern Research Station. 22 p.
- Meldrum, J.R., C.M. Barth, L.C.Falk, **H. Brenkert-Smith**, T. Warziniack, and P.A. Champ. 2013. Living with Wildfire in Log Hill Mesa, Colorado. RMRS-RN-66. USDA Forest Service, Rocky Mountain Research Station. 35p.
- Brenkert-Smith, H.**, P.A. Champ, and A. Telligman. 2013 Understanding Change: Wildfire in Boulder County, Colorado. Research Note. RMRS-RN-57. USDA Forest Service 47 p.
- Brenkert-Smith, H.**, P.A. Champ, and A. Telligman. 2013 Understanding Change: Wildfire in Larimer County, Colorado. Research Note. RMRS-RN-58. USDA Forest Service, Rocky Mountain Research Station. 47 p.
- Champ, P.A., **Brenkert-Smith, H.**, Flores, N. 2012. Living with Wildfire in Boulder County, Colorado 2007. Res. Note RMRS-RN-47. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 26 p.
- Champ, P.A., **Brenkert-Smith, H.**, Flores, N. 2012. Living with Wildfire in Larimer County, Colorado 2007. Res. Note RMRS-RN-48. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 26 p.
- Brenkert-Smith, H.** and P. Champ. 2011. Fourmile Canyon: Living with Wildfire. *Wildfire Management Today* 71(2).
- Wilhelmi, O. and **H. Brenkert-Smith**. 2010. Disaster Risk Assessment in Current and Future Climates. Understanding Risk: Innovation in Disaster Risk Assessment, Proceeds from the 2010 UR Forum, The World Bank, pp 1—13.
- Champ, P.A., N. Flores and **H. Brenkert**. 2010. Living with Wildfire in Colorado. Abstract in The '88 Fires: Yellowstone and Beyond Conference Proceedings. R.E. Masters, K.E.M. Galley and D.G. Despain (eds.). Tall Timbers Research Station, Miscellaneous Publication No. 16.
- Brooks, J., **H. Brenkert**, D. Williams, J. Serby. 2006. Integrating Social Science into Forestry in the Wildland/Urban Interface." *Wildfire Management Today* 66(2) 35-43.
- Brenkert, H.**, P. Champ and N. Flores. 2005. Mitigation of Wildfire Risk by Homeowners. Res. Note RMRS-RN-25WWW. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.

Research Grants and Fellowships

Recommended for funding:

2017-2019 **Co-Principal Investigator:** Dynamic Risk Perception and Action in Response to Forest Insect Disturbance in North-Central Colorado. National Science Foundation, Decision and

Risk Management Sciences, with Dr. Hua Qin, University of Missouri. (\$431,958 (\$184,899 sub-award to CU-Boulder)).

Underway:

2016-2018 **Co-PI:** Defining “Resilient Landscapes” From Multiple Stakeholder Perspectives; Co-Investigator, with Dr. Jody Jahn, CU. Joint Fire Sciences Program (\$269,149).

2015-2017 **Co-PI:** "Is the whole greater than the sum of its parts? Homeowner wildfire risk mitigation, community heterogeneity, and fire adaptedness" (PI: P. Champ, US Forest Service). Joint Fire Science Program, New Science Initiative (\$354,117 (\$255,378 sub-award to CU-Boulder)).

Completed:

2013-2016 **Principal Investigator:** Assessing the Effects of Risk Interdependency, Social Norms, and Costs on Homeowners’ wildfire Mitigation Decisions using Choice Experiments, National Science Foundation (with Nicholas Flores, CU; Katie Dickinson, Kathleen Miller, and Stephan Sain, NCAR) (\$298,045).

2013-2015 **Co-PI:** Managing multi-functional landscapes at the interface of public forests and private lands: advancing understanding through a comparison of experience in U.S. and Australia. Joint Fire Sciences Program, USDA Forest Service (with Eric Toman, OSU; Allan Curtis, Charles Sturt University) (\$197,495 (\$34,987 sub-award to CU-Boulder)).

2012-2014 **Consultant:** Quantifying the Characteristics and Investigating the Biogeoscientific and Societal Impacts of Extreme Wildland Fires in the United States. NASA (with Matt Carroll, WSU; Troy Hall, IU; Travis Paveglio, UM) (\$1,221,176 (\$49,430 sub-award to CU-Boulder)).

2011-2015 **Co-PI:** Systematic Learning after a Wildfire: Development of a Post-Fire Research Framework and Protocol. USDA Forest Service, North Central station. People and their Environments: Social Science Supporting Natural Resource Management and Policy Program (with Sarah McCaffrey, USFS; Branda Nowell, NCSU; Toddi Steelman, U. of Saskatchewan) (\$58,031).

2010 -2015 **Principal Investigator:** Homeowner Vulnerability to Wildfire Risk in a Changing Climate. USDA Forest Service, Rocky Mountain Research Station. Human Dimensions Program (with Patricia Champ and Daniel R. Williams) (\$325,028).

2009- 2011 Advanced Study Program Postdoctoral Fellow. Research Applications Lab. National Center for Atmospheric Research.

2007 Christine Mirzayan Science and Technology Policy Fellowship. Committee on the Human Dimensions of Global Change. The National Academies of Science, January - March 2007, Washington, D.C.

2006 Conference Scholarship to attend the Geological Society of America’s “Managing Drought and Water Scarcity,” 18-20 September 2006, Longmont, CO.

2005 -2008 Environmental Protection Agency STAR (Science to Achieve Results) Fellow (\$111,000)

2005 The Role of Place Meaning and Attachment in Fire Mitigation Decision Making; USDA/US Forest Service: North Central Research Station (\$23,042)

2005 Brown-Ricketts-Udick Grant; American Association of University Women, Boulder Branch

2004- 2005 The Effect of Proximity to Wildfire Risk on Mitigation Efforts by Homeowners at the Wildland-Urban Interface. Front Range Fuels Treatment Partnership and USDA/US Forest Service: Rocky Mountain Research Station

2003- 2004 Institutions and Incentives for Mitigating Wildfire Risks; Front Range Fuels Treatment Program and USDA/US Forest Service: Rocky Mountain Research Station

Synergistic Activities

- **Advisory Board member.** Global Paleofire Working Group (GPWG). The GPWG is an international group of researchers working to create a global database of paleofire records. The data are used to reconstruct changes in fire history, its relationship to changing vegetation and fuels, human activities (e.g. spread of agriculture, fire suppression era), and climate on long time scales but continuing up through present day.
- **Living with Wildfire in Colorado survey.** Primary actor in data collection and analysis for wildfire survey examining mitigation and preparedness among property owners in fire-prone areas of Boulder and Larimer Counties, Colorado. The study collected baseline data in 2007 and was repeated in 2010 just after the Fourmile Canyon Fire. In 2014, this study expanded to the Western Slope of Colorado, building collaborative relationships with wildfire and land managers in Ouray, Delta, Montrose, and Gunnison Counties and is funded by the Joint Fire Sciences Program through 2017.
- **Advisory Panel member.** Boulder Wildfire Partners Program. This program is a Boulder County initiative funded by the Colorado Department of Natural Resources working to recruit homeowners into a partnership program that includes private and public partners to reduce wildfire risk in the wildland-urban interface.
- Advanced Study Program **Postdoctoral Fellow** at the National Center for Atmospheric Research in the Climate Science and Applications Program where I participated in collaborative research on household coping and preparedness for extreme heat in Phoenix, AZ and continued my research on social interactions, disaster experience, and hazard mitigation behavior (2009-2011).
- **Selected participant** in NSF Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS) 2010. DISCCRS fosters interdisciplinary research on climate change assessment and impacts.
- **Young Scholar's Network Workshop participant** in the Historical Ecology: Integrating Biophysical, Historical, and Ethnographic Evidence at the Landscape Scale, Uxéau, Burgundy, France (June-July 2009) which yielded the following publication:
Petty, A., C. Isendahl, **H. Brenkert-Smith**, D.J. Goldstein, T.C. Kumasi, A. Rahman, and J.M. Rhemtulla. 2015 Applying historical ecology to natural resource management institutions: lessons from two case studies of landscape fire management. *Global Environmental Change* 31:1-10.
- Christine Mirzayan **Science and Technology Policy Fellow.** Committee on the Human Dimensions of Climate Change. National Academy of Sciences. During my fellowship I contributed to *Public Participation in Environmental Assessment and Decision Making* report (2007).

Honors and Awards

2010 Competitively selected participant: DISCCRS V (Dissertations initiative for the advancement of Climate Change Research). March 13-20, 2010, Arizona. National Science Foundation.

2005 Winner of the Rural Sociological Society's Natural Resource Research Group graduate student paper competition for "The Place of Fire"

- 2005 Winner of the Annual Hazards and Disasters Paper Competition for Graduate Students for “The Place of Fire.” Natural Hazards Center. University of Colorado
- 2002 Highest Honors, Research Methods Ph.D. Comprehensive Exam. Department of Sociology, University of Colorado
- 1999 Outstanding Graduate Student Achievement Award. Department of Women’s Studies, San Francisco State University

Presentations

- Uniting research and practice to promote fire adaptation: The Wildfire Research (WiRē) Team. **Brenkert-Smith, H.**, and P. Champ. National Cohesive Strategy Workshop – Reno, NV, 26 April 2017.
- Where you stand depends on where you sit: Qualitative inquiry into notions of wildfire adaptation. **Brenkert-Smith, H.**, C. Barth, P. Champ, and J. Meldrum. Colorado Wildland Fire Conference – Pueblo, CO, 19-21 April 2017.
- The Wildfire Research (Wirē) Team: Infusing social science into wildfire education programs through collaboration and systematic data collection. **Brenkert-Smith, H.** and P. Champ. Fire Adapted Colorado meeting – Fort Collins, CO, 1 February 2017.
- The Wildfire Research (Wirē) Team: Infusing social science into wildfire education programs through collaboration and systematic data collection. **Brenkert-Smith, H.** and P. Champ. Presentation to State Forest Service Leadership Team. 20 December 2016, Fort Collins, Colorado.
- Living with Wildfire: Understanding social science research and wildfire risk mitigation in Southwest Colorado. Barth, C., **H. Brenkert-Smith**, L. Falk. 15 November 2016, Durango, CO.
- Infusing social science into wildfire education programs through collaboration and systematic data collection. **Brenkert-Smith, H.**, C. Barth, P. Champ. L. Falk., J. Meldrum. Interactions of Society and the Environment Seminar Series, November 2, 2016, Fort Collins, CO.
- The Wildfire Research (WiRē) Team: Infusing social science into programs through collaboration and systematic data collection. **Brenkert-Smith, H.**, Barth, C., Champ, P., Falk, L., Froemke, P., Gomez, J., Meldrum, J., Warziniack, T., Wilson, P. July 10-14, 2016, Broomfield, CO.
- Collaborative Wildfire Research: Homeowner Property Conditions, Community Comparisons, and Using Research to Improve Wildfire Programs. **Brenkert-Smith, H.** with P. Champ, T. Warziniack, J. Meldrum, C. Barth, and L. Falk. Colorado Office of Emergency Management Conference. 9 March 2016, Colorado Springs, CO
- Assessing the effects of Risk Interdependency, Social Norms, and Costs in a Wildfire Context. **Brenkert-Smith, H.**, K. Dickinson, and N. Flores Society of Risk Analysis presentation December 7–10, 2015, Washington, D.C.
- Is the whole greater than the sum of its parts? Homeowner wildfire risk mitigation, community heterogeneity, and fire adaptedness. **H. Brenkert-Smith**, C. Barth, J. Meldrum, P. Champ, T. Warziniack. Colorado Wildfire Conference. 24-26 September 2015, Snowmass CO.
- Is the whole greater than the Sum of its Parts? Homeowner wildfire risk mitigation, community heterogeneity, and fire adaptedness. **H. Brenkert-Smith**, J. Meldrum, P. Champ, and T. Warziniack. Human Dimensions of Wildland Fire Conference. April 20-24 2015, Boise, ID.
- Why do homeowners underestimate wildfire risk? J. Meldrum, P. Champ, T. Warziniack, and **H. Brenkert-Smith** [presented by J. Meldrum]. *89th Western Economic Association International (WEAI) Annual Conference*. Jun 27-Jul 1, 2014, Denver, CO.
- The risk perception gap: Insight from comparison of wildfire risk evaluations for Log Hill Mesa, Colorado. J. Meldrum, P. Champ, T. Warziniack, and **H. Brenkert-Smith** [presented by J.

- Meldrum]. *Western Agricultural Economics Association (WAEA) Annual Meeting*. Jun 22-24, 2014, Colorado Springs, CO.
- Living with Wildfire in Colorado: Interdisciplinary research for more effective homeowner wildfire risk mitigation programs [Poster presentation]. J. Meldrum, **H. Brenkert-Smith**, P. Champ, T. Warziniack, C. Barth, and L. Falk [presented by J. Meldrum]. *Institute of Behavioral Science Research Symposium*. Apr 16, 2014, Boulder, CO.
- Living with Wildfire in Log Hill Mesa: Behavioral Responses to Wildfire Risk. P. Champ, T. Warziniack, J. Meldrum, **H. Brenkert-Smith**, C. Barth, and L.C. Falk [presented by P. Champ and T. Warziniack]. *Interactions of Society and the Environment Seminar Series*. Nov 21, 2013, Ft. Collins, CO.
- Identifying wildfire risk: Pairing homeowner and expert risk assessment [Panel presentation]. C. Barth, P. Champ, T. Warziniack, J. Meldrum, and **H. Brenkert-Smith**. *National Fire Protection Association's 2013 Backyards & Beyond Wildland Fire Education Conference*. Nov 14-16, 2013, Salt Lake City, UT.
- Understanding and encouraging wildfire risk mitigation: Survey evidence on cost shared funding, risk perceptions, and more. J. Meldrum, P. Champ, T. Warziniack, **H. Brenkert-Smith**, C. Barth, and L.C. Falk [presented by J. Meldrum]. *CU Environmental and Resource Economics Workshop 2013*. Oct 4-5, 2013, Vail, CO.
- H. Brenkert-Smith**. 2013 Post-wildfire Research Protocol. Panelist with S. McCaffrey, M. Green, B. Mackie, and D. Gill. Natural Hazards Workshop. June 4-8: Broomfield, CO.
- Carroll, M., T. Paveglio, and **H. Brenkert-Smith**. 2013. Firewise for Whom? International Symposium on Society and Resource Management. July 13-16: Estes Park, CO.
- Champ, P. and **H. Brenkert-Smith**. 2013. Is seeing believing? Wildfire risk perceptions after a catastrophic fire. W3133 Conference: Benefits and Costs of Natural Resources Policies Affecting Ecosystem Services on Public and Private Lands. February 28: Coeur d'Alene, ID.
- Champ, P. and **H. Brenkert-Smith**. 2013. Living with Wildfire in Colorado. Community at Work radio show. KRFC.
- Champ, P. and **H. Brenkert-Smith**. 2012. Colorado Working Together 2012 Forest Summit. 10/12/12 Colorado State University.
- Champ, P. and **H. Brenkert-Smith**. 2012. Homeowner Mitigation and Preparedness. Front Range Fuels Treatment Partnership – Implementers Meeting 3/7/2012.
- Champ, P., K. Dickinson, **H. Brenkert-Smith**, and N. Flores. 2011 The Role of Social Interactions and Risk Perceptions in Homeowners' Wildfire Risk Mitigation Behaviors. Association of Environmental Resource Economics Conference.
- Brenkert-Smith, H.** 2011. Considering Vulnerability and Adaptive Capacity in fire-prone communities along Colorado's Front Range. Invited Participant: Forest Community Vulnerability and Adaptive Capacity in the face of Climate Change Workshop. 8 November 2011. Lubrecht Experimental Forest, Missoula, MT.
- Champ, P., **H. Brenkert-Smith**, and J. Webster. 2011. Boulder County, Homeowner Mitigation and Preparedness, and the Fourmile Canyon Fire. National Fire Protection Association Conference: Backyards and Beyond. 27 October 2011, Denver, CO.
- Brenkert-Smith, H.**, J. Sutton, and J. Rozdilsky. 2011. Invited Panelist: Resilience at Different Scales and in Different Regions (moderator, Bob O'Connor, NSF), National Hazards Workshop, 11 July 2011, Broomfield, CO.
- Brenkert-Smith, H.** 2011. Climate-adapted hazard research and management. International Symposium on Society and Resource Management. 5 June 2011. Madison, WI: University of Wisconsin.
- Brenkert-Smith, H.** 2011. Placing hazards decisions in context. Hazards, Disasters, & Society. 3 March 2011, University of Colorado.

- Brenkert-Smith, H.**, M. Hayden, and O. Wilhelmi. 2011. Phoenix heat: A pilot study on urban heat hazards coping and climate adaptation. Interactions of Society and the Environment Seminar Series. 3 February 2011. USGS Fort Collins Science Center.
- Brenkert-Smith, H.** 2010. Four Mile Fire: A Follow-up Study. Advanced Study Program Presentation. National Center for Atmospheric Research. October 2010. Boulder, CO.
- Brenkert-Smith, H.** 2010. Informal social interactions and community context. Fire Social Science Meeting, Western Governors' Association. 9-10 June 2010, Denver, Colorado
- O. Wilhelmi and **Brenkert-Smith, H.** 2010. Panel Session co-Leads: Innovation in Disaster Risk Assessment in Current and Future Climates. Understanding Risk Conference, World Bank, 1-3 June 2010, Washington D.C.
- Brenkert-Smith, H.** and P. Champ, and N. Flores. 2010. Living with Wildfire in Colorado: A Survey of Two Front Range Counties. 2nd Human Dimensions of Wildland Fire Conference. International Association of Wildland Fire. 26-29 April 2010, San Antonio, TX.
- Brenkert-Smith, H.** 2010. Bridging Hazards Mitigation and Climate Adaptation Research. DISSCRS (DISSertations initiative for the advancement of Climate Change ReSearch). National Science Foundation. 13-20 March 2010, Arizona.
- Brenkert-Smith, H.**, M. Hayden, and O. Wilhelmi. 2010. Urban Heat Hazards and Climate Adaptation: Phoenix Case Study. Advanced Study Program Presentation. National Center for Atmospheric Research. February 2010, Boulder, CO.
- Brenkert-Smith, H.** 2009. Wildfire Risk: Defining and Environmental Problem. National Center for Atmospheric Research, Research Applications Lab Annual Retreat. November 2009. Estes Park, CO.
- Brenkert-Smith, H.** 2009. Social and Environmental Factors Shaping Wildfire Mitigation Decision-Making: A Colorado Case Study. Impacts, Adaptation, and Vulnerability Group. National Center for Atmospheric Research. June 2009, Boulder, CO
- Brenkert-Smith, H.** 2009. Parcel Approach to Wildfire Mitigation: Perspectives on Efficacy and the role of Community infrastructure. Advanced Study Program Presentation. National Center for Atmospheric Research. May 2009, Boulder, CO.
- Brenkert-Smith, H.** 2008. Placing Wildfire in Context: Environmental and Social Dimensions of Mitigation Decision-Making. Dissertation Defense. Institute of Behavioral Science, University of Colorado. March 2008, Boulder, CO.
- Brenkert-Smith, H.** 2006. Wildfire Risk Reduction: Decision-Making in the Wildland-Urban Interface. EPA STAR Fellowship Conference—Capitol Hill Poster Session, 24-26 September, Washington, DC
- Brenkert-Smith, H.** 2005. The Place of Fire. 68th Annual Meeting of the Rural Sociological Society. Rural Sociological Society. Tampa, Florida
- Brenkert-Smith, H.**, P. Champ, and N. Flores. 2004. Homeowner Response to Wildfire Risk. Are You FireWise? Understanding Social Values. Peaceful Valley, Colorado: Colorado State Forest Service.
- Brenkert-Smith, H.** 2004. Wildfire and Natural Hazards Research. In Panel: Research of New Professionals. 29th Annual Hazards Research and Applications. Boulder, Colorado.
- Brenkert-Smith, H.**, P. Champ, and N. Flores. 2004. Institutional Arrangements and Incentives for Homeowners to Mitigate Wildfire Risk. International Society for the Study of Resource Management. Keystone, Colorado.
- Brenkert-Smith, H.**, P. Champ, and N. Flores. 2004. Institutional Arrangements and Incentives for Homeowners to Mitigate Wildfire Risk. Interactions of Society and the Environment Seminar: USGS Colorado State University: US Geological Society.

Areas of Specialization

Environmental Sociology
Social Dimensions of Risk
Place Attachment & Meaning
Research Methods
Gender

Professional Service

Manuscript Reviewing Service

<i>Disasters</i>	2016
<i>Environmental Management</i>	2015, 2014, 2013
<i>Forests</i>	2014
<i>International Journal of Wildland Fire</i>	2016, 2014, 2011
<i>Journal of Forestry</i>	2016, 2014, 2012, 2011
<i>Journal of Risk Research</i>	2016
<i>Natural Hazards Review</i>	2015, 2014, 2011 (Guest Editor)
<i>Society and Natural Resources</i>	2016, 2015, 2014, 2012, 2011
<i>U.S. Forest Service</i>	2014

Proposal Review Service

National Science Foundation 2014, 2015

Committee and Community Service

Wildfire Partners Advisory Committee – Boulder County, 2014 - present

Thompson Lecture Series, Organizing committee member, NCAR 2009-2011

Advanced Study Program Director Search Committee, Cohort representative, NCAR 2010

Early Career Scientists Assembly – Junior Faculty Forum Committee member, 2010. “Climate and Water: Advancing adaptation science and strategies for water-resource vulnerability from climate variability and change”

Student Advising Service

Dissertation Committee Member

Amy Telligman, Environmental Studies (2012 – 2013)

SOARS (Significant Opportunities in Atmospheric Research and Science) Graduate student mentor

Dana Pauzaukie (2010)

Professional Affiliations

American Association of University Women

American Sociological Association; Section Membership: Environment and Technology

Association for Environmental Studies and Sciences

Feminist Scholars in Sociology

International Association for Society and Natural Resources

International Association of Wildland Fire

National Postdoctoral Association

Rural Sociological Association; Section Membership: Community Interest & Natural Resources