

ADRIANNE C. KROEPSCH, PhD

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EDUCATION

PhD, Environmental Studies, University of Colorado, 2016

- Dissertation: *Deliberating & Governing Technologies of Extraction: Unconventional Oil and Gas Development in Northeastern Colorado*
Committee: Patricia N. Limerick (Chair), Kristen Averyt, Max Boykoff, Deserai Crow, Gregory Simon

MA, Geography, University of Colorado, 2011

- Masters Thesis: *Environmental Conflict at the Energy-Water Nexus: Gas and Groundwater in Colorado's Coalbed Methane Basins*
Mark W. Williams (Chair), Patricia N. Limerick, William Travis

BA, Science and Technology Studies, Cornell University, 2003

- Senior Honors Thesis: *Student Perceptions of Science and Technology: Frankenstein and the 2002 Cornell New Student Reading Experience*
Bruce V. Lewenstein (Chair)

AWARDS & HONORS

Best Paper on the Politics of the American West (one of multiple co-authors),
Western Political Science Association, 2016

"Best Should Teach" Silver Award, Graduate Teacher Program, Graduate School,
University of Colorado, 2015

Dean's Award, Graduate School, University of Colorado, 2014

Thompson Writing Award for Creative Non-Fiction, Center of the American West,
University of Colorado, 2012

Exceptional Research Award, Graduate School, University of Colorado, 2011

Chancellor's Fellowship, Graduate School, University of Colorado, 2009-2011

Thompson Writing Award for Western Memoir, Center of the American West,
University of Colorado, 2010

Presidential Research Scholar, *Magna cum laude*, Cornell University, 1999-2003

PUBLICATIONS

REFEREED JOURNAL ARTICLES

A.Kroepsch. (2016). New Rig on the Block: Spatial Policy Discourse and the New Suburban Geography of Energy Production on Colorado's Front Range. *Environmental Communication*. DOI: 10.1080/17524032.2015.1127852

D. Crow, Berggren, J., Lawhon, L., Koebele, E., **Kroepsch, A.**, Hudi, J. (2016). Local Media Coverage of Wildfire Disasters: An Analysis of Problems and Solutions in Policy Narratives. *Environment and Planning C: Government & Policy*. DOI: 10.1177/0263774X16667302

D.Crow, Lawhon, L.A., Koebele, E., **Kroepsch, A.**, Schild, R., Huda, J. (2015). Information, Resources, and Management Priorities: Agency Outreach and Mitigation of Wildfire Risk in the Western United States. *Risk, Hazards, and Crisis in Public Policy*, 6(1), 69-90.

E.Koebele, Crow, D., Lawhon, L., **Kroepsch, A.**, Schild, R., Clifford, K. (2015). Information Dissemination, Management Regimes, and Mitigation Behavior in Wildland-Urban Interface Zones: A Cross-Case Analysis. *Society & Natural Resources*, 28: 918-923.

M.Nisbet, Brossard, D., and **Kroepsch, A.** (2003). Framing Science: The Stem Cell Controversy in an Age of Press/Politics. *The International Journal of Press/Politics*, 8: 36-70.

REFEREED JOURNAL ARTICLES IN PREP/REVIEW

A.Kroepsch, Koebele, E. Crow, D., Berggren, J., Dixon, L., Huda, J. (In review). Remembering the Past, Anticipating the Future: Community Learning & Adaptation Discourse in Media Commemorations of Catastrophic Wildfires in Colorado. (Presented at Western Political Science Assn. conference, March 2016.)

A.Kroepsch. (In prep). "Just Another User Stepping Up to The Trough": Hydraulic Fracturing Meets New (and Old) Systems of Water Governance and Infrastructure in Colorado (Presented at Association of American Geographers Annual Meeting, Chicago, IL. April 2016.)

BOOK CHAPTERS

A.Kroepsch. (In review). Oil and Water: How Media and Policymakers Portray the Hydraulic Fracturing Energy-Water Nexus in Colorado. *Split Waters: Examining Conflicts Related to Water and Their Narration*, Eds. L.Cortesi, Yale University, K.J. Joy, Forum for Policy Dialog on Water Conflicts in India.

OUTREACH PUBLICATIONS, WHITE PAPERS, ETC.

A.Kroepsch. (In press). Greeley. For the Place section of the soon-to-be-published (electronic) *Colorado Encyclopedia*.

A.Kroepsch. (In press). Denver-Julesburg Basin. For the Place section of the soon-to-be-published (electronic) *Colorado Encyclopedia*.

A.Bernier, **Kroepsch, A.**, Rempel, W., & Limerick, P. (2016). Spanish translation of *A Glossary for Citizen-Explorers Bravely Entering the Controversy over Hydraulic Fracturing*. <https://centerwest.org/projects/energy/glosario-del-fracturamiento-hidraulico>

A.Kroepsch, Rempel, W., Limerick, P. (2014). *A Glossary for Citizen-Explorers Bravely Entering the Controversy over Hydraulic Fracturing*. <http://centerwest.org/projects/energy/glossary>

A.Kroepsch & Williams, M. (2014). *Monitoring Water Quality and Quantity in Areas of Oil and Natural Gas Development: A Guide for Water Well Users*. Boulder, CO: University of Colorado Office of University Outreach. <http://cwerc.colorado.edu>

A.Kroepsch (2012). *DougCo H₂O: To the Underground & Back with a Thirsty County*. <http://dougcoh20.blogspot.com/> (Winner, Thompson Western Writing Award for Creative Non-Fiction, Center of the American West.)

L.Barkow, Ferguson, M., Hanson, J.L., **Kroepsch, A.**, Limerick, P. (2013). *The Nation Possessed: The Conflicting Claims on America's Public Lands and the Commemoration of the 200th Anniversary of the Founding of the General Land Office*. A report from the Center of the American West and the Public Lands Foundation.

M.Williams, **Kroepsch, A.**, Nydick, K., Gianniny, G., Vansickle, J., Peltz, C. (2010). *Isotopic and Geochemical Analysis of Groundwater-Surface Water Interactions at the Fruitland Outcrop: An Addition to the 4M Project*. Commissioned by the San Juan Public Lands Center, Durango, CO.

GRANTS & FELLOWSHIPS

2016	Shultz Family Fund in Humanitarian Engineering Proposal, Corporate Social Responsibility and Citizen Science in Oil and Gas Production: A Colorado Case Study (\$4,000)
2016	Rich Herbert Memorial scholarship American Water Resources Association-Colorado Section (\$2,000)
2015	University Outreach Award, University of Colorado (\$3,000)
2015	Dean's Award, Graduate School, University of Colorado, 2015 (\$3,500)
2014	Brown/Ricketts/Udick Grant, American Association of University Women, Boulder, Colorado Branch (\$1,000)
2014	Center to Advance Research and Teaching in the Social Sciences, University of Colorado, Graduate Fellow Award (\$1,000)
2010	University Outreach Award, University of Colorado (\$5,000)
2009-11	Chancellor's Fellowship, Graduate School, University of Colorado (2yrs full funding)
1999-03	Cornell Presidential Research Scholarship (\$30,000)

RESEARCH EXPERIENCE

COLORADO SCHOOL OF MINES

Assistant Prof.	Ongoing Research Projects/Topics Include:
2016-Present	<ul style="list-style-type: none">- Relationships between communities and oil/gas industry and technology's role as a mediator of those relationships- Governance of groundwater resources (quality and quantity), with attention to subsurface knowledge and expertise- Wildfire risk management in the American West at individual and institutional scales- Links between environmental narratives and policy processes with analytical emphasis on spatiality, collective memory, and cultural identity/myth- Public participation in environmental and natural resources policy processes

UNIVERSITY OF COLORADO-BOULDER

Dissertation Researcher 2013-2016	<i>Old West, New West, Next West: The Techno-Politics of Colorado's New Suburban Geography of Energy Extraction</i> Reconciled the Western energy boomtown literature with the New West nature of unconventional oil and gas extraction on Colorado's Front Range. Focused on the evolving relationship between the city of Greeley and the oil and gas industry and how technology mediates that relationship, with special attention to the new spatial politics of well siting enabled by horizontal drilling and the implications of hydraulic fracturing for water governance. Methods include in-depth interviews; observation of actors, policy processes, and drilling activity and activism during three years of fieldwork in Greeley; content analysis of media and policy documents; archival research. Funding: Several University of Colorado-based research grants
Research Group Participant 2013- Present	<i>Western Policy & Narratives Graduate Research Group</i> Collaborative research project with D.Crow and ENVIS graduate students on multi-scalar (federal to local) wildfire risk mitigation practices and policy debates. Conduct collaborative research from the conceptualization and design stages forward; contribute to data collection, analysis, and theorizing; and co-write and edit peer-reviewed journal articles. Methods include in-depth interviews, focus groups, surveys, quantitative and qualitative media content analysis, and statistical analysis. Published two peer-reviewed articles, with a third under review. Currently leading preparation of a fourth article on the de-politicization and re-politicization of wildfires in anniversary media coverage and policy discourse. Funding: Currently unfunded
Research Assistant 2012- 2014	<i>AirWaterGas Sustainability Research Network – Routes to Sustainability for Natural Gas Development & Water and Air Resources in the Rocky Mountain Region</i> Large NSF-SRN research project with three PIs (J.Ryan, M.Hannigan, M.Williams, CU-Boulder) and ~75 participants. As part of Outreach Team, conducted literature reviews & synthesis on topics ranging from methane migration in groundwater to tribal energy policy. Responsible for interpreting the research network's scientific findings from across disciplines and integrating those findings into well-communicated outreach items and activities through the Center of the American West. Assisted with execution of a three-year public speaker series in Boulder and Greeley, including synthesizing public questions into recommendations for the Greeley city council. Published a first-author outreach "glossary" aimed at improving public debate by defining terms that are technical and/or frequently

stymie public debate. Successfully wrote a \$2,500 University Outreach grant to fund the translation of this glossary into Spanish in order to foster a more inclusive public policy debate. Funding: National Science Foundation, \$12 million SRN award

Co-Founder & Program Manager
2011-2014

Colorado Water and Energy Research Center, CU-Boulder
Collaborative project with M.Williams, Geography, and J.Ryan, Environmental Engineering. Co-conceptualized and launched a new university center established to provide Coloradoans with scientifically sound information on oil and gas development and its potential effects on water in the West. Published a first-authored groundwater quality monitoring guide for citizen scientists eager to collect their own baseline data, designed Website, developed media strategy, initiated and coordinated daylong scientific workshop that drew more than 50 scientists from academia, government, industry, and the private sector. Funding: Office for University Outreach, \$50,000

Research Assistant
2011

Drivers of Climate Adaptation in the West
PIs: K.Andersson & L.Dilling, Environmental Studies
Conducted research on drivers of/barriers to municipal adaptation to extreme weather events associated with climate change in the West. Assisted with the development of qualitative research protocols and conducted in-depth interviews with several city leaders and emergency managers in southern Colorado.
Funding: National Atmospheric and Oceanic Administration

Research Assistant & Research Group Coordinator
2010-2011

Hydrogeologic, Isotopic, and Geochemical Analysis of Groundwater-Surface Water Interactions at the Fruitland Outcrop
PIs: Mark Williams, Geography; Koren Nydick, Mtn. Studies Inst.
Compiled hydrogeologic data collected by a Durango-based field team in a synoptic sampling campaign across 67 different field sites in 2008/2009 and conducted further data collection in 2010. Led data analysis and interpretation, as well as the writing of a white paper delivered to San Juan Public Lands Center resource managers. Successfully wrote a \$5,000 University Outreach grant to interpret and present groundwater quality data to domestic well owners involved in the study and develop groundwater lessons for elementary schools in Durango, CO.

CONFERENCE & SEMINAR PRESENTATIONS

- 2016 **A. Kroepsch.** "Who Speaks for the Subsurface? A Decade of Groundwater and Natural Gas Conflict in the Four Corners Region. Society for the Social Studies of Science (4S) Annual Meeting, Barcelona, Spain. September.
- 2016 **A.Kroepsch.** "Oil & Gas Development in the South Platte River Basin: An Evolving Energy-Water Nexus." American Water Resources Association Colorado Section Annual Symposium, Golden, CO. April.
- 2016 **A.Kroepsch.** "The Where and the Why of Extraction: Well Pads as Sites of Technological Innovation and Contestation in the Denver-Julesburg Basin." Association of American Geographers Annual Meeting, San Francisco, CA. March.
- 2015 **A.Kroepsch.** "Who Speaks for the Subsurface? A Decade of Groundwater and Natural Gas Conflict in the Four Corners Region." Society for Social Studies of Science 40th Annual Meeting, Denver, CO. November.
- 2015 **A.Kroepsch.** "Debating the Oil & Gas Energy-Water Nexus: Issues of Scale & Framing." American Water Resources Association Annual Meeting, Denver, CO. Forthcoming: October.
- 2015 **A.Kroepsch.** "Resident Discourses: Hydraulic Fracturing, Homes, and Energy Production & Consumption in Colorado." International Environmental Communication Association Conference on Communication & Environment, Boulder, CO. June.
- 2015 **A.Kroepsch.** "Energy and Water in the American West." Front Range Conference on Environmental Governance Research, Colorado State University, Ft. Collins, CO. May.
- 2015 **A.Kroepsch.** "'Just Another User Stepping Up to the Trough': Hydraulic Fracturing Meets Old/New Systems of Water Governance/Infrastructure in CO." Association of American Geographers Annual Meeting, Chicago, IL. April.
- 2014 **A.Kroepsch, E.Koebele.** "Assessing Wildfire Mitigation Outreach Strategies in the Wildland-Urban Interface." Sustaining Colorado Watersheds Conference, Avon, CO. October.
- 2014 **A.Kroepsch, E.Koebele, D.Crow.** "Assessing Wildfire Mitigation Outreach Strategies in the Wildland-Urban Interface." Center for Science and Technology Policy Research Noontime Seminar Series, University of Colorado, Boulder, CO. September.

- 2014 **A.Kroepsch.** "Water for Energy: The Role of the Municipality as a Water Source for Hydraulic Fracturing." Society for Applied Anthropology Annual Meeting, Albuquerque, NM. March. (Fill-in session chair.)
- 2011 **A.Kroepsch.** "The Curious Incident of the Well in the Raton: The Hydrologic Investigation of an Alleged Hydraulic Fracturing Impact." Institute of Arctic and Alpine Research Graduate Student Talk, University of Colorado, Boulder, CO. September.
- 2011 **A.Kroepsch.** "Fruitland Outcrop Groundwater-Surface Water Interactions: The Hydrogeologic Backdrop for Northern San Juan Basin Coalbed Methane Development." Hydrologic Sciences Symposium, University of Colorado, Boulder, CO. March.
- 2010 **A.Kroepsch.** "Hydrogeologic, Isotopic, and Geochemical Analysis of Groundwater-Surface Water Interactions at the Fruitland Outcrop." Geologic Society of America Annual Conference, Denver, CO. October.

INVITED TALKS & GUEST LECTURES

- 2016 **A.Kroepsch.** "Oil and Gas Development in Colorado and the West." Return guest lecture in ENVS 3621 Energy Policy & Society, taught by Lisa Dilling, University of Colorado, Boulder, CO. February.
- 2015 **A.Kroepsch.** "Local Governance of Oil & Gas Extraction in Colorado: Too Much, Too Little, or Just Right?" Guest lecture in ENVS 608: Environmental Politics & Policy, taught by Katherine Clark, Western State Colorado University, Gunnison, CO. November.
- 2015 **A.Kroepsch.** "When Oil & Water Mix: Problem Framing and the Persuasive Power of Quantities." Guest lecture in WRTG 3020: Writing in the American West, taught by Elizabeth Koebele, University of Colorado, Boulder, CO. October.
- 2015 P.Limerick & **Kroepsch, A.** "FrackingSense: A Societal Training Program in Anticipation of November 2016." Presentation to the board of directors for Energy Outreach Colorado (a charity focused on energy poverty), Denver, CO. May.
- 2015 P.Limerick & **Kroepsch, A.** "Farms, Hydraulic Fracturing, Cities, and Suburbs: Watching Water in Colorado." South Platte Irrigationist Symposium, Loveland, CO. March.
- 2015 **A.Kroepsch.** "Navigating & Narrating the Energy-Water Nexus in the Denver-Julesburg Basin." Dean's Award Ceremony, University of Colorado, Boulder, CO. March.

- 2015 **A.Kroepsch.** "New Rig on the Block: Reckoning with the Convergence of Oil, Gas, Water, and People on Colorado's Front Range" American Association of University Women, Boulder Chapter Meeting, Boulder, CO. April.
- 2014 **A.Kroepsch.** "On Space for Interdisciplinarity and Interdisciplinary Spaces." Speech at the topping-off ceremony for the Sustainability, Energy, and Environment Complex, University of Colorado, Boulder, CO. December.
- 2015 **A.Kroepsch.** "Oil & Gas Development in Colorado & The West." Return guest lecture in ENVS 3621 Energy Policy & Society, taught by Lisa Dilling, University of Colorado, Boulder, CO. February.
- 2014 **A.Kroepsch.** "Fracking in the West? Relationship Status: It's Complicated." Mentored IBS students preparing for a debate on hydraulic fracturing. Taught a lesson, provided students with resources and helped them develop evidence-based arguments, supervised debate, provided feedback. Centaurus High School, Lafayette, CO. December.
- 2014 **A.Kroepsch.** "Tourism and the Mythic West." Guest lecture in CAMW 2001 Introduction to the American West, taught by Karen Ramirez, University of Colorado, Boulder. November.
- 2014 **A.Kroepsch.** "A Critical Look at Risk Communication in Dueling Documentaries: FrackNation vs. Gasland." Guest lecture in ENVS 3525 Natural Resource Management in Colorado and the West, taught by Deserai Crow, University of Colorado, Boulder CO. November.
- 2014 **A.Kroepsch.** "Community Conversations on Oil and Gas Development." (With co-panelists H.Holm, Colorado Mesa University; T.Coons, John McConnel Math & Science Center of Western Colorado; and moderator P.Limerick, University of Colorado.) Colorado Mountain College, Rifle, CO. August.
- 2014 **A.Kroepsch.** "Oil & Gas Development in Colorado & The West." Guest lecture in ENVS 3621 Energy Policy & Society, taught by Lisa Dilling, University of Colorado, Boulder, CO. February.
- 2013 **A.Kroepsch.** "Theory and Research at the Energy-Water Nexus." Environmental Studies Prospective Student Visit, University of Colorado, Boulder, CO. February.
- 2012 **A.Kroepsch.** "The Dust Bowl and Hydraulic Fracturing: Comparisons and Contrasts." National Youth Summit on the Dust Bowl, History Colorado Center, Denver, CO. October.
- 2012 **A.Kroepsch.** "Reconciling the Treasures of Resources with the Treasures of Beauty and Biology: The BLM and the Art of American Energy." (With co-panelists former Colorado Governor B. Ritter and J. Wald of the

National Resources Defense Council.) The Nation Possessed Conference: The Conflicting Claims on America's Public Lands, University of Colorado, Boulder, CO. September.

2011 **A.Kroepsch.** "Isotopes, Groundwater-Surface Water Interactions, and Coalbed Methane Development." Guest lecture in GEOG 3511 Introduction to Hydrology, taught by Mark Williams, University of Colorado, Boulder, CO. October.

2010 **A.Kroepsch.** "Introduction to Groundwater Mining: Douglas County, CO." Guest lecture in GEOG 3511 Introduction to Hydrology, taught by Mark Williams, University of Colorado, Boulder, CO. November.

TEACHING EXPERIENCE

UNDERGRADUATE COURSES

Instructor 2016 ***Corporate Social Responsibility*** (Colo. School of Mines, Fall)
Teaching a course of 25 students that covers the rise of corporate social responsibility (CSR) practices as it manifests in the relationship between corporations in natural resource-dependent industries and communities proximate to their operations. Students develop skills in stakeholder identification and engagement and critical analysis of CSR theories and techniques.

Faculty Advisor 2016-2017 ***Freshwater Neutral Drilling?*** (Colo. School of Mines, AY)
Leading a CSM capstone project for an interdisciplinary group of 6-8 engineering students in their senior year of study. The project presents an open-ended problem – is it possible to extract oil and gas resources in Colorado without impact to water resources? – for students to address over the course of the school year. Certified by CSM's Humanitarian Engineering program, this project will include qualitative fieldwork with local water stakeholders in the Sand Wash Basin in northwestern Colorado. Engineering students will be challenged to incorporate local stakeholders' water concerns and water politics into their engineering design process.

Lead Teaching Assistant 2016 ***Introduction to Environmental Studies*** (CU-Boulder, Spring)
Managed a team of four TAs and carried out course organization; developed recitation syllabus, lesson plans, and assignments; led two sections of 25 students in weekly lectures, discussions, and activities; mentored and graded student work on a cumulative Sustainable City project. Students:

Undergraduates, all levels, range of disciplines. Instructor:
J.White

**Teaching
Assistant**
2015

Introduction to Environmental Studies (CU-Boulder, Fall)
Led three sections of 25 students in weekly lectures and discussions; mentored and graded student work on a cumulative Sustainable City project. Students: Undergraduates, all levels, range of disciplines. Instructor: A.Bhattacharya

Instructor
2015

Introduction to the American West (CU-Boulder, Spring)
Developed syllabus; planned, instructed, and assessed learning in twice-weekly course of 37 students; closely mentored student writing and critical thinking; organized active/applied learning opportunities. Students: Undergraduates, all levels, range of disciplines; also several senior auditors.

**Teaching
Assistant**
2014

Introduction to the American West (CU-Boulder, Spring)
Co-developed syllabus and lectures for twice-weekly course of 80 students; led multiple lectures; collaborated on course organization and communication, writing exams and grading student work; closely mentored student writing and critical thinking. Students: Undergraduates, all levels, range of disciplines; also several senior auditors. Instructor: P.Limerick

**Teaching
Assistant**
2013

Introduction to the American West (CU-Boulder, Spring)
Co-developed syllabus and lectures for a 120-student course; led multiple lectures; collaborated on course organization and communication, writing exams and grading student work; closely mentored student writing and critical thinking. Students: Undergraduates, all levels, range of disciplines; also several senior auditors. Instructor: P.Limerick

Co-Instructor
2012

Introduction to the American West (CU-Boulder, Spring)
Co-developed syllabus and lectures for 210-student course; led multiple lectures; collaborated on course organization and communication, writing exams and grading student work; closely mentored student writing and critical thinking. Students: Undergraduates, all levels, range of disciplines; also several senior auditors. Co-Instructor: P.Limerick

GRADUATE COURSES

Co-Instructor
2016

Pedagogy in ENVS/GEOG/EBIO (CU-Boulder, Spring)
As Lead Graduate Teacher in ENVS, co-taught with the Leads in Geography and Ecology & Evolutionary Biology a pedagogy course focused on teaching interdisciplinary, problem-oriented

courses in our related fields. Students: Graduate, range of disciplines. Co-Instructors: J.Hicks & S.Stowell

PROFESSIONAL DEVELOPMENT COURSES

Coordinator ***Gilder Lehrman Institute Seminar*** (CU-Boulder, Summer)
2010-2012 Coordinated weeklong graduate-level program for K-12 teachers on Western environmental history and the history of the Great Plains. Instructors: P.Limerick and E.West

PROFESSIONAL SERVICE

- 2015-16 Lead Graduate Teacher, Environmental Studies, Graduate Teacher Program, University of Colorado. Academic year.
- 2015-16 Developed an electronic syllabus bank for the Environmental Studies curriculum. Academic year.
- 2015-16 Mentored Geography undergraduate Will Rempel on senior honors thesis on historical GIS and oil & gas booms/busts. Academic year.
- 2015-16 Mentored Environmental Studies undergraduate Austen Bernier on a Spanish translation of hydraulic fracturing glossary. Academic year.
- 2014-15 Co-organized the School of Environment and Sustainability & Environmental Studies Colloquium Series. Academic year.
- 2014 Co-organized a panel on the academic job search for interdisciplinarians as part of the Environmental Studies graduate student brownbag series. October.
- 2013 Reviewer, energy-water nexus issue of *Headwaters* magazine, Colorado Foundation for Water Education. July.
- 2013 Co-wrote, with a team of fellow graduate students, an online handbook for Environmental Studies graduate students. Summer.
- 2013 Graduate Student Representative to the Environmental Studies faculty meetings. Academic year.
- 2013 Coordinated graduate student participation in the hiring process for Environmental Studies' new social science faculty member. Spring.
- 2012 Collected snow depth data as part of annual Niwot Ridge Long-Term Ecological Research Station Snow Survey. April.

2012 Reviewer of chapters for an edited volume, *Culture, Politics & Climate Change: How Information Shapes our Common Future*. London, UK: Routledge-Earthscan.

PROFESSIONAL DEVELOPMENT

- 2015 Department Lead Network Training, organized by the Graduate Teacher Program, University of Colorado, Boulder, CO. May 11-14. Leads are instructed in pedagogy and pedagogical consulting, plus and academic program planning, negotiation, and problem solving. Training readies leads to work as administrative liaisons between the Graduate Teacher Program and their own departments.
- 2015 Critical Physical Geography Workshop, organized by Rebecca Lave before the Association of American Geographers Annual Meeting, Chicago, IL. April 20. Workshop centered on developing a research and teaching agenda for scholars engaged in both the natural and social science aspects of socio-environmental issues.
- 2013 Graduate Workshop on Ethics, Culture and Community-Based Environmental Research, organized by the Northeast Ethics Education Partnership and SUNY College of Environmental Science and Forestry, Syracuse, NY. August 14-16. Training focused on conducting community-based participatory research ethically and effectively.

ADDITIONAL PROFESSIONAL EXPERIENCE

- 2007-09 **Reporter, Congressional Quarterly, Washington, D.C.**
Lead reporter on science and technology policy, plus a variety of other Congressional news topics, for all of CQ's electronic platforms, its flagship daily, and its weekly policy magazine.
- 2001-08 **Media Research Assistant, Ohio State University & Cornell University Schools of Communication**
Conducted media analysis of coverage of stem cell and GMO controversies in major U.S. and international newspapers.
Principal Investigator: Matthew Nisbet.
- 2005-07 **Assistant Editor, Communications Daily, Washington, D.C.**
Pitched, researched, wrote, and edited articles on the telecommunications industry, covering news from Capitol Hill, the private sector, and agencies including the FCC, NOAA, NASA and DoD.
- 2004-05 **Intern, American Association for the Advancement of Science, Washington, D.C.**

Conducted research and wrote for various publications of the Scientific Freedom, Responsibility, and Law Program.

2004

Reporter, *Park Record Newspaper, Park City, UT*

Science and sports stringer for twice-weekly newspaper and Website.