

Corrine Noel Knapp (Corrie), PhD

Haub School of Environment & Natural Resources

University of Wyoming

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KEY QUALIFICATIONS

- Over twelve years of experience working with diverse agricultural, indigenous, agency and natural resource stakeholders to co-produce knowledge, communicate scientific findings in an appropriate manner, design and implement forums to elicit, synthesize, and integrate local knowledge with scientific information, and collaborate for adaptation and conservation outcomes.
- Founded, designed, managed, and directed the Integrated Land Management track within the Masters' of Environmental Management program at Western State Colorado University.
- Envisioned, instigated, coordinated, and completed over fifteen social science, interdisciplinary, and transdisciplinary research projects related to collaborative conservation, global change, social-ecological systems, and natural resources.
- Currently serve as Associate Editor of Social Science and Social-Ecological Science for *Rangeland Ecology & Management*.

EDUCATION

University of Alaska, IGERT Fellow, PhD in Human Ecology, 2010-2013

Dissertation: Engaging local perspectives for improved conservation and climate adaptation

Advisor: F.S. (Terry) Chapin

Committee: Gary Kofinas, Nancy Fresco, and Courtney Carothers

University of Colorado, IGERT Fellow, Health and Behavioral Sciences, 2008-2009

Colorado State University, MS in Rangeland Ecology, 2006-2008

Thesis: *Knowledge with a place: Exploring rancher knowledge of history and ecology in the Elkhead Watershed in northwest Colorado*

Advisor: Maria Fernandez-Gimenez

Committee: Roy Roath and Mark Fiege

University of Colorado, Dual BA in Literature and in Writing (summa cum laude), 1995-1999

EMPLOYMENT

ACADEMIC

Assistant Professor (2019-Current)

University of Wyoming, Haub School of Environment & Natural Resources

Assistant Professor & Director of Integrative & Public Land Management MEM Track (2014-2019)

Western Colorado University, School of Environment & Sustainability

Supervisor- John Hausdoerffer, 1-970-943-3450, jhausdoerffer@western.edu

Research Associate (2012-2015)

Alaska Center for Climate Assessment and Policy

Supervisor- Sarah Trainor, 907-474-7878, sarah.trainor@alaska.edu

NON-ACADEMIC

Ranch Hand (2006) Howe Ranch, Northwest Colorado

Program Coordinator (2005-2006) Denver Urban Gardens, Denver, CO

Administrative and Development Coordinator (2004) Center for Native Ecosystems, Denver, CO

Volunteer Coordinator (2001-2004) Colorado Environmental Coalition, Denver, CO

Read Aloud Coordinator (2000-2001) Denver Public Library, Denver, CO

Public Services Librarian (1999-2000) Fraser, CO

Environmental Educator (1999) Snow Mountain Ranch, Granby, CO

Delaney Farm Co-Manager (1997-1999) Denver Urban Gardens, Aurora, CO

Environmental Educator (1995) Curecanti National Recreation Area, Gunnison, CO

TEACHING

I have taught a wide range of classes (see below) with consistently high evaluations (average 4.8/5 for quality of teacher and 4.6/5 for quality of course). I adapt my teaching style to each given course, but enjoy using a problem- and project-based approach in my classes. I am committed to student learning and therefore challenge students with high expectations and extensive feedback. I also integrate 1:1 conference sessions and adapt based on student desires within my courses. Students describe my classes as interesting, challenging, and creative.

- Adaptive Capacity for Climate Change Resilience (RAP 620)
- Climate Change: The Science of Mitigation and Adaptation (ENVS 615)
- Integrative Skills for Environmental Management (ENVS 611)
- Introduction to Environment & Sustainability (ENVS 100)
- Introduction to Environmental Management (ENVS 601)
- MEM Project Planning & Implementation (ENVS 690)
- National Environmental Policy Act (NEPA) for Environmental Managers (ENVS 623)
- Public Lands Management (ENVS 618)
- Social Science Methods for Environmental Managers (ENVS 620)
- Sustainable Food Systems (HBS 350/650)
- Sustainable Rangeland Management (ENVS 625)
- *Rangeland Measurements and Monitoring (Teaching Assistant) (FRWS 320)*
- *Introduction to Rangeland Management (Teaching Assistant) (FRWS 300)*

RESEARCH

I am an interdisciplinary scholar who conducts research on the interactions between humans and their environment. I am especially interested in questions at the intersection of climate change, land-based livelihoods, and conservation. My research has focused on understanding how to best manage and conserve working landscapes in the context of climate change, how to model and intervene in social-ecological systems, and how climate change will impact the quality and distribution of ecosystem services. I am also interested in how to implement small-scale “experiments” that could be scaled up to lead to larger-scale transformations.

PEER REVIEWED PUBLICATIONS.

26. [In Review] Nave, J., **C.N. Knapp**, S. McNeeley, and B. Rittenhouse. Assessing the Integration of Climate Change and Land-based Livelihoods in Colorado BLM Planning Documents. *Regional Environmental Change*.
25. [In Review] **Knapp, C.N.**, R. Reid, M.E. Fernandez-Gimenez, J. Klein and K. Galvin. The Long View of Sustainability Science: Scholars, Society, and Action. *Sustainability*.
24. [In Review] **Knapp, C.N.**, S.M. McNeeley, T. Even, J.B. Gioia, and T. Beeton. How Public Land Agencies’ Level of Response to Climate Change Will Impact the Resilience of Land-Based Livelihoods. *Weather, Climate & Society*.
23. Courkamp, J., **C.N. Knapp**, and B. Allen. 2019. Immersive Co-production to Inform Ranch Management in Gunnison, Colorado, USA. *Rangelands*.
22. **Knapp, C.N.**, N.L. Fresco, and L. Krutikov. 2017. Managing Alaska’s National Parks in an era of uncertainty: An evaluation of scenario planning workshops. *Regional Environmental Change*. DOI: <http://10.0.3.239/s10113-017-1126-4>
21. McNeeley, S.M., Even, T., Gioia, J.B., **Knapp, C.N.**, and T. Beeton. 2017. Expanding vulnerability assessment for public lands: The social complement to ecological approaches. *Climatic Change*. DOI: <http://dx.doi.org/10.1016/j.crm.2017.01.005>
20. Cherry, J.E., **Knapp, C.N.**, Trainor, S., Ray, A.J., Tedesche, M. and S. Walker. 2017. Planning for climate change impacts on hydropower in the Far North. *Hydrology and Earth Systems Science*. 21:133-151.
19. Turner, B.L., Esler, K., Bridgewater, P., Tewksbury, J., Sitas, N., Abrahams, B., Chapin, F.S., Chowdhury, R., Christie, P., Diaz, S., Firth, P., **Knapp, C.N.**, Kramer, J., Leemans, R., Palmer, M., Pietri, D., Pittman, J., Sarukhan, J., Shakelton, R., Seidler, R., van Wilgen, B., and Mooney, H. 2016. Socio-Environmental Systems (SES) Research: What have we learned and how can we use this information in future research programs. *Current Opinion in Environmental Sustainability*. 19: 160-168. Available at: <doi:10.1016/j.cosust.2016.04.001>
18. Chapin, F.S., **Knapp, C.N.**, Brinkman, T.J., Bronen, R. and Cochran, P. 2016. Community-empowered adaptation for self-reliance. *Current Opinion in Environmental Sustainability*. 19: 67-75. Available at: <http://dx.doi.org/10.1016/j.cosust.2015.12.008>
17. **Knapp, C.N.**, F.S. Chapin, J. Cochran. 2015. Ranch owner perceptions and planned actions in response to a proposed Endangered Species Act listing. *Rangeland Ecology & Management*. 68: 453-460.

16. Biermann, M., Hillmer-Pegram, K., Hum, R., Knapp, C.N. 2015. Power, justice, and equity: An analysis of resilience thinking's engagement with critical theory. *Resilience Journal*. Available at: <http://dx.doi.org/10.1080/21693293.2015.1094170>
15. Chapin III, F.S., **Knapp, C.N.** 2015. Sense of place: A process for identifying and negotiating potentially contested visions of sustainability. *Environmental Science & Policy*. Online at: <http://www.sciencedirect.com/science/article/pii/S1462901115000854>
14. **Knapp, C.N.** and S. Trainor. 2015. Alaskan stakeholder-defined research needs in the context of climate change. *Polar Geography*. Online at: <http://dx.doi.org/10.1080/1088937X.2014.999844>
13. **Knapp, C.N.**, F.S. Chapin, G. Kofinas, N. Fresco, and C. Carothers. 2014. Parks, people, and change: Long term residents' perceptions of climate change and adaptation in the Denali National Park and Preserve region. *Ecology & Society*. 19(4): 16. Online at: <http://dx.doi.org/10.5751/ES-06906-190416>
12. Moore, M-L., Tjornbo, O., Enfors, E., **Knapp, C.N.**, Norstrom, A., Clarvis, M., Hodbod, J., Baggio, J., Biggs, D., and P. Olsson. 2014. Towards a transdisciplinary analytical framework for understanding social-ecological transformations. *Ecology & Society* 19(4): 54. Online at: <http://dx.doi.org/10.5751/ES-06966-190454>
11. F.S. Chapin, Cochran, P., Huntington, O., **Knapp, C.N.**, Brinkman, T., and Gadamus, L. 2013. Traditional knowledge and wisdom: A framework for understanding and shaping Alaskan social-ecological change In: *Linking Ecology and Ethics for a Changing World: Values, Philosophy and Action* [eds. Rozzi, R., Pickett, S., Palmer, C., Armesto, J., Caldicott, J.] Springer Publishing.
10. **Knapp, C.N.**, and S.F. Trainor. 2013. Adapting science to a warming world. *Global Environmental Change* 23: 1296-1306.
9. **Knapp, C. N.**, Cochran, J., Sayre, N. and G. Kofinas. 2013. Putting local knowledge and context to work for Gunnison Sage-grouse conservation. *Wildlife-Human Interactions* 7(2): 195-213.
8. Kachergis, E., **Knapp, C.N.**, Fernandez-Gimenez, M., Ritten, J.P., Pritchett, J.G., Parsons, J., Hobbs, W. and R. Roath. 2013. Tools for resilience management: Multi-disciplinary development of state-and-transition models for northwest Colorado. *Ecology and Society* 18(4):39. Online at: <http://dx.doi.org/10.5751/ES-05805-180439>
7. **Knapp, C.N.**, M. E. Fernandez-Gimenez, D. D. Briske, B. T. Bestelmeyer, and X. B. Wu. 2011. An assessment of state-and-transition models: Professionals' perceptions following two decades of development and implementation. *Rangeland Ecology and Management* 64(6): 598-606.
6. Hale, James, **C.N. Knapp**, and J. Litt. 2011. Environmental aesthetics and healthy lifestyles: Gaining insight through the community gardening experience. *Social Science and Medicine* 72: 1853-1863.
5. **Knapp, C.N.**, M. Fernandez-Gimenez, E. Kachergis, and A. Rudeen. 2011. Using participatory workshops to integrate state-and-transition models created with local knowledge and ecological data. *Rangeland Ecology and Management* 64(2): 158-170.
4. **Knapp, C.N.**, M. Fernandez-Gimenez, and E. Kachergis. 2010. The role of local knowledge in state-and-transition model development. *Rangelands* December 2010.
3. **Knapp, C.N.** & M. Fernandez-Gimenez. 2009. Changes on the land: Integrating rancher knowledge into state-and-transition models. *Rangeland Ecology and Management* 62(6): 510-521.

2. **Knapp, C.N.** & M. Fernandez-Gimenez. 2009. Knowledge in practice: Exploring Rancher's Ecological Knowledge in NW Colorado. *Rangeland Ecology and Management* 62(6): 500-509.
1. **Knapp, C.N.** & M. Fernandez-Gimenez. 2008. Knowing the land: A review of local knowledge revealed in ranch memoirs. *Rangeland Ecology and Management* 61(2): 148-155.

OTHER PUBLICATIONS & REPORTS.

7. Brown, C.L., **C.N. Knapp**, and Sarah F. Trainor. 2015. Current Coastal Change Projects and Priority Information Needs in Western Alaska. Final Project Report. Fairbanks, AK. Available at: https://accap.uaf.edu/W_AK_LCC_Coastal_Change_Research/WA2014_35.aspx
6. **Knapp, C.N.** 2011. Connected to the Land: Social Resilience and Vulnerability Assessment of Land-Based Livelihoods in the Gunnison Basin, Colorado. The Nature Conservancy. Gunnison Climate Change Working Group, Gunnison, CO, USA.
5. Neely, B., R. Rondeau, J. Sanderson, C. Pague, B. Kuhn, J. Siemers, L. Grunau, J. Robertson, P. McCarthy, J. Barsugli, T. Schulz, and **C.N. Knapp**. Editors. 2011. *Gunnison Basin: Climate change vulnerability assessment for the Gunnison Climate Working Group* The Nature Conservancy, Colorado Natural Heritage Program, Western Water Assessment, University of Colorado, Boulder, and University of Alaska, Fairbanks. Project of the Southwest Climate Change Initiative. Boulder, CO, USA.
4. **Knapp, C.N.** 2010. Uncompahgre Mesas Forest Restoration Project: Collaboration Case Study for the Colorado Forest Restoration Institute. Colorado Forest Restoration Institute: Fort Collins, CO, USA.
3. **Knapp, C.N.** 2010. Woodland Park Healthy Forest Initiative: Collaboration Case Study for the Colorado Forest Restoration Institute. Colorado Forest Restoration Institute: Fort Collins, CO, USA.
2. Clement, J., **Knapp, C.N.** and Keralis, M. 2009. Evidence-based collaboration: Ecological monitoring in Colorado's forests for citizen-scientists. Colorado Forest Restoration Institute for the United States Forest Service. Available at: https://fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5277828.pdf
1. Maczco, K. and L. Hidingier (eds). Sustainable rangelands ecosystem goods and services. Sustainable Rangeland Roundtable. Colorado State University: Fort Collins, CO, USA. Available at: http://sustainable.rangelands.org/pdf/Ecosystem_Goods_Services.pdf.

RESEARCH COLLABORATORS.

[Derek Bailey](#), University of New Mexico; [Brandon Bestelmeyer](#), Agricultural Research Service; Maureen Biermann, Pennsylvania State University; [John Brett](#), University of Colorado Denver; [David Briske](#), Texas A&M; [Courtney Carothers](#), University of Alaska Fairbanks; [F.S. \(Terry\) Chapin](#), University of Alaska Fairbanks; Abel Chavez, Western State Colorado University; [Tony Cheng](#), Colorado State University; [Elin Enfors](#), Stockholm Resilience Center; [Mark Fiege](#), Colorado State University; Rachel Garcia, University of Alaska Fairbanks; [Maria Fernandez-Gimenez](#), Colorado State University; [Nancy Fresco](#), University of Alaska Fairbanks; James Hale, University of Colorado; Kevin Hillmer-Pegram, University of Alaska Fairbanks; [Jenny Hodbod](#), Tyndall Center; [Larry Howery](#), University of Arizona; Richard Hum, University of Alaska Fairbanks; [Gary Kofinas](#), University of Alaska Fairbanks; [Jill Litt](#), University of Colorado Denver; [Debbi Main](#), University of Colorado Denver; [Shannon McNeeley](#), North Central Climate Science Center;

[Michele-Lee Moore](#), University of Victoria; [Albert Norstrom](#), Stockholm Resilience Center; [Per Olsson](#), Stockholm Resilience Center; [Emily Kachergis](#), Agricultural Research Service; [Robin Reid](#), Center for Collaborative Conservation Colorado State University; Aleta Rudeen, Colorado State University; [Nathan Sayre](#), University of California Berkeley; [Ola Tjornbo](#), University of Waterloo; [Sarah Trainor](#), Alaska Center for Climate Adaptation Planning; [Larry Torell](#), University of New Mexico; [Ben Wu](#), Texas A&M.

PRACTITIONER COLLABORATORS.

Bruce Allen, Allen Ranches; Retta Bruegger, Colorado State Extension Service; Jim Cochran, Gunnison County; Karin Decker, Colorado Natural Heritage Program; Brandon Diamond, Colorado Parks and Wildlife; Lisa Dilling, Western Water Assessment; Nancy Fresco, Alaska Center for Climate Assessment and Policy; Lee Grunau, Colorado Natural Heritage Program; Sandy & Burt Guerrerri, Gunnison Ranchers; Ashley Hom, United States Forest Service; Emily Kachergis, Bureau of Land Management; Windy Kelley, Wyoming Extension; Frank Kugel, Upper Gunnison River Water Conservancy District; Kristi Maczko, Sustainable Rangeland Roundtable; Matt McCombs, United States Forest Service; Shannnon McNeeley, North Central Climate Science Center; Eric McPhail, Colorado State Extension Service; CJ Mucklow, Colorado State Extension Service; Betsy Neeley, The Nature Conservancy; Guinevere Nelson, Colorado State Extension Service; Dan Olsen, National Resources Conservation Service; Robin Reid, Center for Collaborative Conservation; Renee Rondeau, Colorado Natural Heritage Program; Bruce Rittenhouse, Bureau of Land Management; Terri Schultz, The Nature Conservancy; Nathan Seward, Colorado Parks and Wildlife; Sarah Trainor, Alaska Center for Climate Assessment and Policy; Matt Vasquez, United States Forest Service; J. Wenum, Colorado Parks and Wildlife; Liz With, National Resources Conservation Service

EDITORSHIPS.

2018-Current: Associate Editor of Social Science and Social-Ecological Science for *Rangeland Ecology & Management*.

PROFESSIONAL PRESENTATIONS & MEETINGS.

34. *Transforming rangeland science and society: Using collaborative partnerships as a catalyst for change.* August 2019. Ecological Society of America. Presentation. Louisville, KY.
33. *Co-producing actionable climate science and adaptation strategies to inform planning for public lands management.* December 2018. AGU. Poster. Washington, DC.
32. *Managing Resilience of Landscapes and Livelihoods.* April 2018. Department of the Interior. Presentation. Washington, DC.
31. *Soil Health Effects of Supplemental Feeding on Working Rangelands in the Gunnison Valley.* January 2018. Society for Range Management. Poster. Reno, NV.
30. *Managing for Ecosystem and Livelihood Resilience: A Statewide Vulnerability Assessment for BLM Colorado.* January 2018. Society for Range Management. Poster. Reno, NV.
29. *Ranching, Recreation & Resilience: A Cross Scale and Mixed-Methods Vulnerability Assessment.* January 2018. Society for Range Management. Presentation. Reno, NV.
28. *Rooted Cosmopolitanism: Can Sense of Place Scale Up?* November 2017. Future Earth, Programme for Ecosystem Change and Society (PECS). Presentation. Oaxaca, Mexico.
27. *Transformative science for society: The next evolution of transdisciplinary science for sustainability?* November 2017. Future Earth, Programme for Ecosystem Change and Society (PECS). Presentation. Oaxaca, Mexico.
26. *Transformative Science for Society: The Next Evolution for Citizen Science?* May 2017. Citizen

- Science Conference. Presentation. Minneapolis, MN.
24. *Integrating Socio-Ecological Climate Change Adaptation Strategies in Public Land Management and Decision-Making* May 2017. National Adaptation Conference. Presentation. St. Paul, MN.
 24. *Climate change in the BLM: a review of grey literature.* May 2017. National Adaptation Conference. Poster. St. Paul, MN.
 23. *Integrating social and ecological vulnerability to climate change in Colorado.* May 2017. National Adaptation Conference. Poster. St. Paul, MN.
 22. *Adapting management to a warming world: a review of methodological approaches to social vulnerability assessment and a framework for application on public lands.* June 2016. International Symposium on Society and Resource Management. Poster. Houghton, MI.
 21. *Landowner perceptions of the Endangered Species Act and the potential for unintended consequences.* February 2015. Society for Range Management Conference. Presentation. Sacramento, CA.
 20. *Parks, people and change: Park service and resident's perceptions of climate change and conservation in the Denali region.* May 2014. Resilience 2014 Conference. Presentation. Montpellier, France.
 19. *Adapting science to a warming world: What stakeholders in Alaska say about how the process and practices of science should change.* March 2013. National Adaptation Conference. Poster. Denver, CO.
 18. *Unintended consequences? : Understanding the interactions between culture, livelihoods, resources and species protection.* March 2013. Society for Applied Anthropology. Presentation. Denver, CO.
 17. *Conservation Pulse: Documenting expert knowledge of the Gunnison Sage Grouse for improved conservation.* February 2013. Society for Range Management. Presentation. Oklahoma City, OK.
 16. *Collaborative adaptive science for self-reliance: Redefining community-University partnerships.* February 2013. Society for Range Management. Presentation. Oklahoma City, OK.
 15. *Local knowledge of environmental change: A case study from Denali National Park.* August 2012. Ecological Society of America. Poster. Portland, OR.
 14. *Integrated social-ecological resilience assessments for effective community-based conservation in a changing climate.* July 2012. Society for Conservation Biology. Workshop Coordination and Presentation. Oakland, CA.
 13. *Connected to the land: Social resilience and vulnerability assessment of land-based livelihoods in the Gunnison Basin, Colorado.* January 2012. Society for Range Management. Poster. Spokane, WA.
 12. *Sharing Knowledge Across Scales for Adaptation Planning in Denali National Park.* November 2011. Exchange of Local Knowledge and Observations in the Arctic Conference (ELOKA). Poster. Boulder, CO.
 11. *Redefining Citizen Science: A Catalyst to Broaden the Knowledge Base and Insights for Sustainability in a Rapidly Changing World.* August 2011. Ecological Society of America Conference. Presentation. Austin, TX.
 10. *Environmental Aesthetics and Healthy Lifestyles: Gaining Insight Through the Community Gardening Experience.* June 2011. Food and Agriculture Under the Big Sky. Presentation. Missoula, MT.
 8. *Environmental History as a Framework to Inform Resilience Theory and Local Decision Making* March 2011. Resilience 2011 Conference. Presentation. Tempe, AZ.
 3. *Perceptions of Targeted Grazing In the Desert Southwest.* February 2011. Society for Range Management Conference. Poster. Billings, MT. Awarded "2nd Place".
 4. *Evaluation and Integration of Local Knowledge and Ecological Data-driven State-and-transition*

- models*. January 2010. Society for Range Management. Poster. Denver, CO.
5. *Popular Sustainability: A Review of Current Food System Literature*. July 2009. Rural Sociology Conference. Poster. Madison, WI. Awarded "Best Poster"
 6. Participant in the Inaugural National Symposium on Food Systems & Sustainability. March 2009. University of California, Davis.
 7. *Transcending Definitions, Embodying Sustainability: The Role of Local Knowledge in Sustainable Food Systems* May 2008. SUSCONS Conference. Presentation. Arlon, Belgium.
 8. *Knowledge in Practice: Exploring Rancher's Ecological Knowledge in NW Colorado* July 2008. International Grassland & Rangeland Congress. Presentation. Hohhot, China.
 2. *Changes on the Land: Integrating Rancher Knowledge into State-and-Transition Models* January 2008. Society for Range Management. Presentation. Louisville, KY.
 1. *Knowing the Land: A Review of Local Knowledge Revealed in Ranch Memoirs* June 2007. International Symposia for Society and Resource Management Conference. Presentation. Park City, UT.

PROFESSIONAL MEMBERSHIPS

- Society for Range Management (member 2006-current)
- Ecological Society of America (member 2010-current)
- The Resilience Alliance (member 2010-current)
- Society for Applied Anthropology (member 2012-current)
- American Society for Adaptation Professionals (member 2012-current)
- Society for Conservation Biology (member 2012-current)

ADVISING

I have advised over twenty interdisciplinary MEM students, with projects as diverse as designing community restoration projects for Denver Water to increasing diversity of public land users and from integrating climate change into BLM management to understanding community desire for alternative transit options in small rural communities. Advising students is one of my favorite parts of my job: challenging, rewarding and fun. My primary advisees and their current jobs are listed below.

2016 MEM Graduates, Projects & Jobs

- Rachel Estrada. Cross-Boundary Landscape Scale Conservation.
 - **Current Job:** Gunnison County Planner, Gunnison County.
- Andres Esparza. Engaging the Hispanic Community of Montrose with Adjacent Public Lands.
 - **Current Job:** Grassroots Engagement Coordinator, Conservation Lands Foundation.
- John Gioia. Colorado BLM Social Vulnerability Assessment.
 - **Current Job:** Executive Office of Energy and Environmental Affairs, State of Massachusetts
- Tyler Morrison. Communication Planning for AIM Monitoring Program in Colorado.
 - **Current Job:** Natural Resource Specialist, Bureau of Land Management.
- Erin Griffin. Land Link: Linking Young and Retiring Farmers for Farm Continuity.
 - **Current Job:** Climate & Communities Coordinator, The Wild Center.
- Sarah Peters. Land Manager Toolbox for the Quivira Coalition.
 - **Current Job:** Landowner and Rancher
- Megan Mast. Funding Recreation Improvements on Public Land.
 - **Current Job:** Recreation Technician, Bureau of Land Management, Gunnison, CO.
- Elizabeth Weiss. Bike Safety and Transportation Planning in Salida, Colorado

- **Current Job:** USFS Recreation Staff, USFS, Salida, CO.

2017 MEM Graduates, Projects & Jobs

- Anna Drexler-Dries. Fraser Flats River Habitat Project
 - **Current Job:** Fountainhead Consulting Manager & Owner
- Laura Knapp. Building Resilient Forests: A Collaborative Effort in La Plata County
 - **Current Job:** Soil Conservationist, USDA NRCS
- Julia Nave. Wildlife Use of Restored Wetlands in Gunnison, CO.
 - **Current Job:** Big Sky Watershed Corps, The Nature Conservancy

2018 MEM Graduates, Projects & Jobs

- Jake Courkamp. Analysis of Soil Health and Carbon Sequestration in the Context of Cattle Production in the Gunnison Basin
 - **Current Job:** PhD Student, Colorado State University
- Pryce Hadley. Crossing the Divide: What Mountain Communities Can Learn from Open Space Programs at the Urban-Rural Interface
 - **Current Job:** Ranger Supervisor, Pitkin County Open Space and Trails.
- Sam Newman. Wildlife Use of Restored Wetlands in Gunnison, CO: Year 2.
 - **Current Job:** Unknown
- Alexa Weiland. The Coldharbor Regenerative Network: Building a Hub for Alternative Agriculture
 - **Current Job:** Unknown

2019 MEM Graduates, Projects & Jobs

- Mila Bock. Independence Lake Preserve Visitor Use Survey.
 - **Current Job:** Preserve Coordinator, Independence Lake.

2020 MEM Current Students & Projects

- Anna Coburn. Wildish: A Podcast about Wild Horses in the West
- Amanda Botsford. Women's Stories in a Man's World: Interviews with Women Ranchers

SERVICE

UNIVERSITY SERVICE.

As a faculty member at Western Colorado University, I served on the Institutional Review Board and Faculty Senate, was the Director for the Celebration of Scholarship, as well as a member of the Steering Committee for the Center for Environment and Sustainability. In addition, I have volunteered to give numerous guest lectures in a range of departments from Business to Biology. I take my role as mentor seriously and host many informal student events for building community, providing informal review of draft presentations/posters, and bringing in guest speakers to model career tracks. I also served on the Curriculum Committee (2014-2017) and MS in Ecology Steering Committee (2017-2018). As a graduate student, I served on the Resilience and Adaptation Program Steering Committee, organized and facilitated an interdisciplinary research group on climate change in social-ecological systems, and started the Front Range Food Systems Research Group, which brought together an interdisciplinary and cross-campus collaborative group of graduate students and faculty interested in food systems research.

PROFESSIONAL SERVICE.

I believe in giving back to the professional community. I am currently an Associate Editor for *Rangeland Ecology & Management*. I have served as a reviewer for journals ranging from *Ecology & Society* to *Trends in Ecology & Evolution*. I have served on the executive committee for the Center for Collaborative Conservation at Colorado State University (2015-2019). I am a member of six interdisciplinary professional societies, as well as being an active member of the Resilience Alliance Young Scholars group. I am a contributor to “Climate Voices” and have volunteered to present to organizations ranging from the Gunnison County Cattlewomen to the North Central Climate Science Center.

PERSONAL SERVICE.

I value being an active member of my community and have volunteered in ecological monitoring, agricultural non-profits, and for various community organizations. Please see my personal service below.

Ecology:

- Board Member of Calypso Farm & Ecology Center, 2011-2013
- Sustainable Rangeland Roundtable, 2007-2009
- Off-Highway Vehicle/Invasive Weed Study in Sand Wash Basin, Northwest Colorado, 2006-2008
- Restoration Field Sampling Assistant, 2006-2008
- Rare Plant Monitoring, Denver Botanical Gardens, 2003-2006
- Baseline and Monitor Plan for Larimer County Open Space, Chimney Hollow, Fall 2006
- Osha Monitoring, Medicinal Plant Working Group, 2005

Agriculture:

- Board Member of Mountain Roots, 2017
- Ranch hand, Howe Ranch, Northwest Colorado, May-August 2006
- Urban Gardener, 2001-2005
- Haystack Goat Farm Volunteer, 2003
- Willing Workers on Organic Farms Volunteer, 1999

Other:

- Political Campaigns, 2000, 2004, 2008
- Inner-City Mentor (Whiz Kids), 1993-1995, 1998
- Denver Center for the Performing Arts, Usher, 1994-1995
- Summer Youth Counselor (Neighborhood Church), 1994

GRANTS AND AWARDS

GRANTS AWARDED & PENDING.

- NSF NRT Transdisciplinary Education for Resilient Rangeland Action Science (2019) \$2,999,551 [PENDING]
- BLM Social Vulnerability Assessment Grant (2015-2020) \$101,000
- NPS Scenario Planning Project Grant (2015) \$60,000
- Western Alaska LCC Grant (2013) \$30,000

- UAF Dissertation Completion Grant (2013) \$7,500 plus tuition
- Charles Redd Foundation (2012) \$1,000
- Gunnison Sage Grouse Local Project Funding from Gunnison County, The City of Gunnison and the Upper Gunnison Water Conservancy District (2012) \$7,000
- National Park Service Research Grant (Spring 2012) \$33,500
- Alaska EPSCoR Fellowship (Spring 2012) \$30,000
- Alaska EPSCoR Fellowship (Spring 2011) \$22,000
- Resilience and Adaptation IGERT NSF Fellowship (2010-2012) \$60,000 plus tuition
- Sustainable Urban Infrastructure IGERT NSF Fellowship (2009-2010) \$30,000 plus tuition
- CLAS ACT grant to develop an undergraduate course entitled *Urban Food Systems & Sustainability* (2009) \$3,000
- Sustainable Urban Infrastructure IGERT NSF Fellowship (2008) \$30,000 plus tuition
- Oscar & Isabel Anderson Scholarship (2007) \$2,500
- Eula L. & C. Wayne Cook Scholarship (2007) \$1,400

AWARDS.

- “Second Place Poster” Society for Range Management Conference. Title: *Perceptions of Targeted Grazing In the Desert Southwest*. Billings, MT. (2011)
- “Best Poster” Rural Sociology Conference. Title: *Popular Sustainability: A Review of Current Food System Literature*. Madison, WI. (2009)
- Summa Cum Laude, University of Colorado, Denver (1999)
- Dean’s List, University of Colorado, Denver (1997-1999)
- National Merit Scholar (1995)

RECOMMENDATIONS

F.S. (Terry) Chapin, Professor Emeritus of Ecology, University of Alaska

Primary PhD Advisor

terry.chapin@alaska.edu; 1-907-474-7922

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Colleague

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