

Theresa M. Jedd, Ph.D.

Post-doctoral Research Associate
National Drought Mitigation Center
University of Nebraska-Lincoln
School of Natural Resources
810 Hardin Hall | 3310 Holdrege St.
Lincoln, Nebraska 68583-0988
(402) 472-6740 | tjedd2@unl.edu

EDUCATION

Colorado State University, 2015

Ph.D., Political Science

Areas of Emphasis: Environmental Policy, International Relations, Comparative Politics

Dissertation: Accountability and legitimacy in transboundary networked forest governance: A case study of the Roundtable on the Crown of the Continent

Committee: Profs. Michele M. Betsill, Dimitris Stevis, Stephen P. Mumme, Antony S. Cheng

Colorado State University, 2009

M.A., Political Science

Thesis Title: United States Environmental Foreign Policy

University of Wyoming, 2005

B.S., Health Science, Honors Program

Thesis Title: 1920s Child Labor on the Farm

Internship: Health care access for Spanish-speaking populations in Casper, Wyoming

RESEARCH AND TEACHING INTERESTS

Social vulnerability to climate variability

Adaptation in outdoor recreation and tourism

Stakeholder needs assessment for environmental monitoring

Community resilience and drought recovery

Qualitative data collection and analysis

RELEVANT EXPERIENCE

Post-Doctoral Researcher and Environmental Policy Specialist, National Drought Mitigation Center, University of Nebraska – Lincoln (2015-current)

Supervisors: Mark Svoboda and Michael J. Hayes

Responsibilities: 1) Collecting data in the U.S. on sector-specific drought impacts, using a variety of methods including conducting stakeholder interviews. 2) Assisting with data collection, workshops, and analyzing stakeholder needs for a MENA-region drought monitoring project.

Instructor, University of Wyoming, Department of Political Science (2015)

Supervisor: Teena Gabrielson, Ph.D., Department Chair

Responsibilities: Design and teach courses for undergraduate and graduate students, including “Sustainable Development” for political science, natural resource, and international studies majors; and “POLS 4710/5710: The Environment and Public Policy.”

Staff Researcher, Natural Resource Ecology Laboratory, Colorado State University (July 2013-January 2015)

Supervisor: Dennis Ojima, Ph.D., Senior Research Scientist

Responsibilities: (1) Lead author on two chapters in the Climate Vulnerability Study for the Colorado Energy Office. Brought together experts and knowledge on the impacts of climate change, related vulnerabilities, and preparedness recommendations for Colorado’s ecosystems and outdoor recreation. A collaborative project under the North Central Climate Science Center, CU-Boulder, and various state and federal agencies.

(2) Research a case background on sensitive species (Greenback cutthroat trout) in the context of Colorado climate adaptation. Analysis included examining baseline conditions, barriers to adaptation, and suggestions for management design. The project included participation and sharing results in a graduate seminar on adaptive governance approaches.

Instructor, Colorado State University, Department of Political Science (2012 – 2014)

Supervisor: Robert Duffy, Ph.D., Department Chair

Responsibilities: Designed and taught courses for undergraduate students. Courses included an introduction for non-majors, Current World Problems, as well as upper-division Global Environmental Politics and International Organization for political science majors.

Graduate Research Asst, Forest & Rangeland Stewardship, Warner College of Natural Resources, CSU (2011 -2012)

Supervisor: Courtney Schultz, Ph.D., Assistant Professor

Responsibilities: Analyzed federal and regional collaborative forest policy, looking at the first ten projects under the United States Forest Service Collaborative Forest Landscape Restoration Program created by the Forest Landscape Restoration Act of 2009. Produced several comprehensive literature reviews on forest governance topics and worked with a multi-author team through the process of peer review and publication.

Graduate Teaching Assistant, Colorado State University, Department of Political Science (2007 – 2012)

Responsibilities: Assisted faculty members in course preparation and delivery, wrote and evaluated midterm and final examinations, delivered guest lectures, designed and graded essay assignments for courses in American Government, Current World Problems, Introduction to International Relations, and Comparative Politics and Government.

Independent Contractor, USDA Forest Service, Rocky Mountain Research Station, Fort Collins, Colorado (2007)

Supervisor: Sally Dunphy, Library Coordinator

Responsibilities: Assisted with research, located and delivered electronic documents, and maintained the research library catalogue in numerous forest and ecosystem health, management, and policy topics.

SELECTED PUBLICATIONS

Jedd, T. 2018. A Review of *Management of Transboundary Water Resources under Scarcity: A Multi-disciplinary Approach*. Eds. Ariel Dinar and Yacov Tsur. For *Global Environmental Politics*, MIT Press Journals. (Forthcoming).

Jedd, T.M., Hayes, M.J., Carillo Cruz, C. M., Haigh, T., Chizinski, C.J., Swigart, J. (Early access 2017). "Measuring park visitation vulnerability to climate extremes in U.S. Rockies National Parks tourism." *Tourism Geographies* [Special Issue: Tourism in Changing Natural Environments].

Fragaszy, S., Jedd, T., Svoboda, M., Knutson, C., Wall, N. McDonnell, R., Hayes, M., and others. (Forthcoming). MENA Regional Drought Management System (RDMS): Stakeholder Engagement Forum Reports: Tunisia (38 pp.), Jordan (38 pp.), Lebanon (37 pp.), and Morocco (52 pp.). Drafted with the International Center for Biosaline Agriculture for the US Agency for International Development.

Williams, H., Jedd, T., Shields, C., Larcher, I., Moore, L., Richard, E., Weis, J., Warren, C., Vijayaraghavan, R., Zelikova, J. 2017. "Agents of Change: Our Role as 500 Women Scientists in Addressing Climate Change." A statement from 500 Women Scientists. Available online: <https://medium.com/@500womenscientists/agents-of-change-our-role-as-500-women-scientists-in-addressing-climate-change-e448bdea8024>.

Jedd, T. 2016. "500 Women Scientists Pledge for Democracy: Finding Hope in the Growing Numbers." Union of Concerned Scientists. November 2016. Available online: <http://blog.ucsusa.org/science-blogger/500-women-scientists-pledge-for-democracy-finding-hope-in-the-growing-numbers>.

Jedd, T., Bixler, P. 2015 Accountability in Networked Governance: Learning from a case of landscape-scale Conservation. *Environmental Policy and Governance* 25(3); 172-187.

- Jedd, T., Cheng, A., Ojima, D., Smith, M. and Wessman, C. 2015. "Climate Vulnerability in Colorado's Ecosystems," with William Bowman in Gordon, E., Ojima, Ed. Colorado Climate Change Vulnerability Study for the Colorado Energy Office. 176 pages. Available at: <http://wwa.colorado.edu/climate/co2015vulnerability/>
- Jedd, T. 2014. A review of *What's Wrong with Climate Politics and How to Fix It*. by Paul Harris. In *Global Environmental Politics* 14(3); 148-9, MIT Press Journals.
- Mattor, K., Betsill, M., Huayhuaca, C., Huber-Stearns, H., Jedd, T., Sternlieb, F., Luizza, M., Cheng, A. 2014. "Transdisciplinary research on environmental governance: A view from the inside." *Environmental Science & Policy*, 42, 90–100. <http://doi.org/10.1016/j.envsci.2014.06.002>
- Schultz, C., Jedd, T. and Beam, R. 2012. "The Forest Landscape Restoration Act: An Overview of the First Projects." *Journal of Forestry* 110(7): 381-391.

CONDITIONALLY ACCEPTED

- Bixler, P. Jedd, T., Wyborn, C. (Conditionally accepted 2017). "Chapter 12. Polycentric Governance and Forest Landscape Restoration: Considering Local Needs, Knowledge Types, and Democratic Principles." In *Forest Landscape Restoration: Integrated approaches to support effective implementation*. Editors: Stephanie Mansourian and John Parrotta. Publisher: Earthscan Press Forest Library Series (Routledge).

UNDER REVIEW

- Jedd, T., Bathke, D., Gill, D., Paul, B., Wall, N., Bernadt, T., Wall, M. (Under review 2017). Tracking Drought Perspectives: A Rural Case Study of Transformations following an Invisible Hazard. Preparing revisions for *Weather, Climate, and Society*, a journal of the American Meteorological Society.
- Jedd, T., Bhattacharya, D., Pesek, C, Hayes, M.J. (Under review 2017). 'Making Do' with Little: An Assessment of Drought Impacts and Management in Tall, Mixed, and Short-grass Prairie and Sandhills State Parks. Submitted to *Local Environment*.
- Jamie McEvoy *, Bathke, D., Burkardt, N., Cravens, A., Haigh, T., Hall, K., Hayes, M., Jedd, T., Poděbradská, M., Wickham, E. (Under review 2017). Ecological Drought: Accounting for the Non-Human Impacts of Water Shortage in the Upper Missouri Headwaters Basin, Montana, USA. *Resources*. Basel, MDPI Press.

IN PREPARATION

- Jedd, T., Wilhelmi, O., Wood, A., Hayes, M., Haigh, T. (In preparation) Working title: Does Drought affect National Park Visitation? It Depends. For submission to *Journal of Outdoor Recreation and Tourism*.

SELECTED PRESENTATIONS AND INVITED TALKS

- Jedd, T., Strengthening OneHealth in Nebraska: a stakeholder meeting, Henry Doorly Zoo, "Investigating drought trends with mixed methods: Impacts and Inquiry for Parks and Communities," Research/Creative Activity, Invited. (December 6, 2017).
- Jedd, T., "Community Resilience to Natural Hazards." Annual Institute: Clues to Rural Community Survival, Heartland Center for Leadership Development, Lincoln, Nebraska. Research/Creative Activity, Invited (October 17, 2017).
- "Mounting Evidence of Adaptive Capacity to Reduce Climate Vulnerability in U.S. National Parks and Recreation" A presentation at the International Studies Association 2017 annual conference. Baltimore, Maryland. (February 22-25, 2017)
- "Building an Action Network: Lessons from the Collaborative Landscape Conservation Movement," Nebraska League of Conservation Voters, 2016 Nebraska Conservation Summit, Harper Center, Creighton University, Omaha Nebraska, Canada. (December 7, 2016).

- “Monitoring and Management Needs Assessment,” with Stephen Fragaszy for International Center for Biosaline Agriculture, Regional Drought Management System Workshop, Rabat, Morocco, Morocco. (October 27, 2016).
- “Monitoring and Management Needs Assessment,” Regional Drought Management System Workshop, International Center for Biosaline Agriculture, Amman, Jordan, Jordan. (October 2016).
- “Monitoring and Management Needs Assessment,” Regional Drought Management System Workshop, International Center for Biosaline Agriculture, Tunis, Tunisia. (October 11, 2016).
- “National Drought Mitigation Center Monitoring Activities,” Husker Harvest Days, Institute for Agriculture and Natural Resources, Grand Island, NE. (September 15, 2016).
- “Fostering Democratic Transboundary Governance,” Bringing Crown of the Continent's Award-Winning Formula to Borrego Springs, UC-Irvine, Steele/Burnand Anza Borrego Desert Research Center. (November 20, 2015).
- “Transboundary Participation: Legitimacy as a Key Component of Networked Forest Governance.” *International Studies Association Annual Convention*. New Orleans, LA (February 20th, 2015)
- “Drought and Trout: Exploring a Case in Climate Adaptation and Biodiversity.” Ecology 592 Graduate Seminar on Adaptive Governance. Colorado State University, Fort Collins, CO (October 16, 2014)
- “Climate Vulnerability in Colorado’s Ecosystems.” Colorado Vulnerability Study Expert Team Workshop. Lory Student Center. Colorado State University, Fort Collins, CO (October 24, 2013)
- “Climate Vulnerability in Colorado’s Outdoor Recreation and Tourism sector.” Colorado Vulnerability Study Expert Team Workshop. Lory Student Center. Colorado State University, Fort Collins, CO (October 24, 2013)
- “The Collaborative Forest Landscape Restoration Program: A History and Overview of the First Projects” 19th Annual *International Symposium on Society and Resource Management*, Estes Park, CO (June 8, 2013)
- “Transboundary conservation in the Crown of the Continent Ecosystem: A case of networked forest governance” Seminar and Discussion Series, Center for Collaborative Conservation, Colorado State University (February 26, 2013)
- “International Forest Conservation and Networked Governance: Solutions and Challenges in the Crown of the Continent Ecosystem” *International Studies Association Annual Convention*, San Francisco, CA (April 5, 2013)
- “International Forest Conservation: Are Networked Governance Architectures Rich in Accountability?” *Tokyo Conference on Earth System Governance* (January 31, 2013)
- “Increasing State Buy-In for Sustainability: How Do Domestic Levels of Democracy and Capacity Affect Participation in International Sustainable Forest Management Initiatives?” *International Studies Association Annual Conv.*, San Diego, CA (April 4, 2012)
- “Local Management, Global Impact: How Land Management Affects Wood Loads and Carbon Cycles in Rivers” *Colorado Conference on Earth System Governance*, Fort Collins, CO (May 18, 2011)

SELECTED AWARDS

- Professional Travel Award, International Studies Association and CSU Political Science Department (2015): \$650
- Graduate School Professional Development Award, Colorado State University (2013): \$1050
- Center for Collaborative Conservation Research Grant, Warner College of Natural Resources, CSU (2012): \$5,000
- Graduate Teaching Assistantship (2007-2013): Tuition and stipend – \$1,800 per month
- Graduate Research Assistantship, McIntire-Stennis Grant (2011-2012): \$18,000

ADDITIONAL TRAINING AND FELLOWSHIPS

Science Communication and Policy Bootcamp: Sponsored by the Nebraska Institute of Agriculture and Natural Resources in conjunction with the American Institute of Biological Sciences (2017), Lincoln, NE

-The program was designed to assist researchers in translating scientific findings for non-technical audience and included live interviews, and panel discussions with communicators and policymakers.

Write Winning Grant Proposals: A Workshop help by the Office of Research and Economic Development, University of Nebraska – Lincoln (2016)

-A comprehensive seminar to address the practical and conceptual aspects of the proposal writing process: idea development, identification of appropriate granting agencies, writing for reviewers, and strategies for presenting a case to reviewers.

Pay it Forward: Women Helping Women, sponsored by the International Studies Association Committee on the Status of Women (2015), New Orleans, LA

-The program is designed to mentor female graduate students and junior faculty in the processes of getting a job, publication, tenure, promotion, work-life balance, and navigating a gendered discipline.

Workshop on Communicating Climate Science, hosted by the American Association for the Advancement of Science, the School of Global Environmental Sustainability and the Center for Multiscale Modeling of Atmospheric Processes, Colorado State University (2014), Fort Collins, CO

-Training in conveying climate science, adaptation, and impacts to various audiences, including speaking with the public, conducting media interviews, writing proposals, discussing ideas with students, and testifying before Congress.

Center for Collaborative Conservation, Colorado State University (2012-2013)

-The Fellows Program is designed to strengthen engagement among students, faculty, research scientists, and conservation practitioners by promoting collaborative research, education and action on critical issues that link conservation and livelihoods on landscapes around the world.

Earth System Governance Project, International Human Dimensions Program on Global Environmental Change (2013-current)

-The Research Fellows program links researchers' projects with the broader themes and questions of earth system governance. Through the network, fellows collaborate on research, debate ideas and disseminate information on relevant events and opportunities in the field.

Global Sustainability Leadership, School of Global Environmental Sustainability, Colorado State University (2012-2013)

-Fellows work on communicating their science to media and the public. Over the course of one year, SoGES Sustainability Leadership Fellows receive state-of-the-art training in environmental communication for sustainability science research as well as honing professional development skills.

5th Annual Political Networks Conference and Workshops. University of Colorado-Boulder. June 13-14, 2012.

-Training in Social Network Analysis UCINET software.

PROFESSIONAL MEMBERSHIPS

International Studies Association, Environmental Studies Section (current)

Earth System Governance Project (current)

International Association for Society and Natural Resources (past)

American Political Science Association (past)

SERVICE

Organized a panel of presentations and discussion at the 2017 International Studies Association Annual Convention titled "Approaching Climate Vulnerability from the Perspective of Human Agency: A Mixed-Method, Multi-Continental Examination of Cases." Baltimore, Maryland.

500 Women Scientists, Board of Directors (Secretary), and organizer for climate change action
Post-doctoral Advisory Council, UNL: Co-chair, chair, and member (2016-current)
Faculty Search Committee Member: Political Science (International Relations & Security Studies),
Colorado State University (2013-2014)
Manuscript Reviewer: *Ecological Indicators* (2017), *Tourism Geographies* (2017), Routledge Taylor &
Francis Group Academic Publishing, Oxford, UK (*Environmental Security and Gender*);
Paradigm Publishers, Boulder, CO (*The Politics of Global Climate Change*); and *Natural
Resources Forum: United Nations Development Journal* (2013)
Grant Proposal Reviewer: Center for Collaborative Conservation (2013)
Facilitator: Fulbright Sustainability Enrichment Seminar, Institute for International Education Denver
(2011)
Judge and Journal Referee: Colorado State University Undergraduate Research Conference and *Journal
of Undergraduate Research* (2011)
Graduate Student Representative: Political Science (2007 – 2008)