

DREW E. BENNETT

Curriculum vitae

Haub School of Environment & Natural Resources
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EDUCATION

- 2015 **Ph.D.** Geography, College of Earth, Ocean, and Atmospheric Sciences
 Oregon State University
- 2007 **M.A.** Geography, Department of Geography & the Environment,
 University of Texas at Austin
- 2005 **M.B.A.** Daniels College of Business, **University of Denver**
- 2005 **B.S.** Environmental Science with Honors, Spanish minor, Department of
 Geography, **University of Denver**
- Fall 2002 Comparative Ecology Field Semester (Field Based Study Abroad Program)
 School for International Training (SIT), Quito, Ecuador

PROFESSIONAL APPOINTMENTS

- 2018 – Present **Whitney MacMillan Professor of Practice in Private Lands Management**,
Haub School of Environment and Natural Resources, University of Wyoming,
Laramie, WY.
- 2015 - 2018 **Team Lead**, Initiative for Conservation on Private Lands, Warner College of
Natural Resources, Colorado State University, Fort Collins, CO.
- 2017 – 2018 **USDA NIFA Postdoctoral Fellow**, Department of Fish, Wildlife, and
Conservation Biology, Warner College of Natural Resources, Colorado State
University, Fort Collins, CO
- 2015 Jan-June **Faculty Research Assistant**, Ecosystem Workforce Program, Institute for a
Sustainable Environment, University of Oregon, Eugene, OR.

PUBLICATIONS

Peer-Reviewed Publications

- Huber-Stearns*, H., **D. Bennett***, S. Posner, R. Richards, J. Hoyle, S. Cousins, and C. Romulo.
2017. Social-ecological enabling conditions for payments for ecosystem services.
Ecology and Society 22(1): 18 (*co-first authors that contributed equally).
- Nielsen-Pincus, M., P. Hickson, **D. Bennett**, H. Gosnell, and R. Parker. 2017. The influence of
sense of place on willingness to pay for payments for ecosystem services. *Society and
Natural Resources* 30(12): 1423-1441.

February 2018

- Farr, C., S. Bombaci, T. Gallo, A. Mangan, H. Riedl, L. Stinson, K. Wilkins, **D. Bennett**, T. Nogueire-McRae, and L. Pejchar. 2017. Addressing the gender gap in distinguished speakers at professional ecology conferences. *Bioscience* 67(5): 464-468.
- Taylor, Z., and **D. Bennett**. 2016. Ecosystem services valuation as an opportunity for inquiry learning. *The Journal of Geoscience Education* 64: 175-182.
- Bennett, D.E.**, and H. Gosnell. 2015. Integrating multiple perspectives on payments for ecosystem services through a social-ecological systems framework. *Ecological Economics* 116: 172-181.
- Bennett, D.E.**, and R. Sierra. 2014. Multi-scale dimensions of indigenous land tenure in the Amazon. *Human Ecology* 42: 551-563.
- Bennett, D.E.**, H. Gosnell, S. Lurie, and S. Duncan. 2014. Utility engagement with payments for watershed services in the United States. *Ecosystem Services* 8: 56-64.
- Lurie, S., **D. Bennett**, S. Duncan, H. Gosnell, P. Hickson, M. Lewis, A. Morzillo, C. Moseley, M. Nielsen-Pincus, R. Parker, and E. White. 2013. Payment for ecosystem services marketplace development at the local scale. *Ecosystem Services* 6: 93-103.
- Bennett, D. E.** 2013. Geography and the emergence of sustainability science: missed opportunities and enduring possibilities. *The Geographical Bulletin* 54(2): 99-112.
- Bennett, D.E.**, and M.J. Taylor. 2006. Coffee, conservation, and livelihood strategies: a case study from northern Nicaragua. *Southwestern Geographer* 10 (1): 4-23.
- In Review or Revision**
- Bennett, D.E.**, L. Pejchar, B. Romero*, R. Knight, and J. Berger. *Submitted*. Examining practitioner perceptions to expand the private lands conservation toolbox. *Biological Conservation* (*undergraduate co-author).
- Bennett, D.E.**, and H. Gosnell. *In revision*. Beyond Market Transactions: Enabling conditions for the emergence of payments for ecosystem services programs in the United States. *Society and Natural Resources*.
- Romulo, C., S. Cousins, S. Posner, J. Hoyle, **D. Bennett**, H. Huber-Stearns, R. Richards, and R. McDonald. *Under second round of review*. Global state and potential scope of water funds that protect urban drinking water. *Nature Communications*.
- Chanchani, P., A. Harihar, T. Gray, R. Steinmetz, J. Borah, **D. Bennett**, et al. *In revision*. High social carrying capacity sustains tiger populations in Asia's human dominated landscapes. *Science*.

Articles In Preparation (only articles with full drafts included)

Bennett, D.E., Seidl, A., D. Anderson, A. Greenwell, and M. Menefee. Lessons learned from a rapid economic and ecological analysis of Colorado's conservation easement programs. In preparation for *Conservation Biology*.

Bennett, D. E., E. Barton, L. Pejchar, and W. Burnidge. Rancher perspectives on the benefits of holistic management to planning and adaptability. In preparation for *Rangelands*.

Wallen, K., S. Alexander, S. Posner, C. Romulo, **D. Bennett**, et al. Perspectives on interdisciplinary graduate education and team science training for social-environmental research. In preparation for *Ecology and Society*.

Bennett, D.E., J. Pittman, and M. Drescher. Reconciling the conservation-rural divide: A need for a new paradigm in the wake of the Trump landslide in agrarian America. To be submitted to *Society and Natural Resources*.

Book Reviews

Riedl, H., **D. Bennett**, A. Mangan, L. Stinson, K. Wilkins, T. Gallo, L. Pejchar. 2017. The Paradox of the Carnivorous Conservationist: Review of *Meathooked* by Marta Zaraska. *Biological Conservation* 205:111-112.

D. Bennett. 2015. Review of *America's Public Lands: From Yellowstone to Smokey Bear and Beyond* by Randall K. Wilson. *The Association of American Geographers (AAG) Review of Books* 3(4): 210-212.

Policy Briefs, Research Reports, and Outreach Publications

Seidl, A., D. Anderson, **D. Bennett**, A. Greenwell, and M. Menefee. 2017. Colorado's Return on Investments in Conservation Easements: Conservation Easement Tax Credit Program and Great Outdoors Colorado. Colorado State University, Fort Collins, CO.

White, E., **D. Bennett**, and C. Moseley. 2015. Social and Economic Monitoring for the Southern Blues Restoration Coalition Project, Fiscal Years 2012 and 2013. Ecosystem Workforce Program Working Paper 59. University of Oregon, Eugene, OR.

Ellison, A., **D. Bennett**, M. Knapp, E. White, E. Davis, and C. Moseley. 2015. Ecosystem Workforce Program Working Paper 58. University of Oregon, Eugene, OR.

White, E., E. Davis, **D. Bennett**, and C. Moseley. 2015. Monitoring of Outcomes from Oregon's Federal Forest Health Program. Ecosystem Workforce Program Working Paper 57. University of Oregon, Eugene, OR.

Bennett, D., M. Nielsen-Pincus, A. Ellison, A. Pomeroy, H. Burrig, H. Gosnell, C. Moseley, and L. Gwin. 2014. Barriers and Opportunities for Increasing Landowner Participation in Conservation Programs in the Interior Northwest. Ecosystem Workforce Program Working Paper 49. University of Oregon, Eugene, OR.

- Bennett, D.**, S. Duncan, S. Lurie, H. Gosnell, and A. Ellison. 2014. Understanding the Barriers and Opportunities for Water Utility Investments in Ecosystem Services. Ecosystem Workforce Program Briefing Paper 57. University of Oregon, Eugene, OR.
- Bennett, D.**, A. San Filippo, R. Parker, M. Nielsen-Pincus, C. Moseley, H. Gosnell, S. Lurie, and S. Duncan. 2014. Engaging Businesses in Local Efforts to Protect Ecosystem Services: Barriers and Opportunities. Ecosystem Workforce Program Briefing Paper 56. University of Oregon, Eugene, OR.
- Bennett, D.**, C. Moseley, M. Nielsen-Pincus, R. Parker, A. Ellison, H. Gosnell, S. Lurie, A.T. Morzillo, E. White, and S. Duncan. 2014. Surveys find support for EWEB's Voluntary Incentive Program. Ecosystem Workforce Program Briefing Paper 54. University of Oregon, Eugene, OR.
- Bennett, D.**, S. Duncan, S. Lurie, K. Morgenstern, N. Toth, and H. Fishler. 2013. "Case 1: Eugene Water and Electric Board". In *Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States*. Washington, D.C.: World Resources Institute.
- Lurie, S., S. Duncan, **D. Bennett**, and H. Fishler. 2012. *Local Ecosystem Services Marketplaces: Public Utilities as Development Drivers*. Corvallis, OR: Institute for Natural Resources.
- Duncan, S, S. Lurie, K. Morgenstern, N. Toth, **D. Bennett**, and H. Fishler. 2012. *Payments for Ecosystem Services through a Voluntary Incentives Program: An Innovative, Incentive-Based Approach for Preserving Water Quality in the McKenzie River Watershed*. Corvallis, OR: Institute for Natural Resources.

RESEARCH GRANTS AND FELLOWSHIPS

- 2017 "A multidisciplinary assessment of cross-boundary species mitigation." (Co-PIs: L. Pejchar, E. Fleishman, J. Berger, J. Heinrichs). **Strategic Environmental Research and Development Program (SERDP)**, US Department of Defense (\$200,000).
- 2017 "Estimating Colorado's Economic Return on Investments in Conservation Easements" (Co-PIs: A. Seidl, M. Menafee, and A. Greenwell). **Private Donor to the Warner College of Natural Resources**, Colorado State University (\$30,000).
- 2017 "Quantifying the scope and impact of permanent agricultural dry-up due to rural to urban water transfers." (Co-PIs: M. Falkowski and D. Manning). **CSU Water Center's Competitive Grants Program**, Colorado State University (\$25,000).
- 2016 "Cash or connections? The role of financial incentives and social networks in engaging agricultural landowners in wildlife conservation programs." Postdoctoral Fellowship, **USDA Agriculture and Food Research Initiative (AFRI)**, Education and Literacy Initiative (ELI) (\$152,000).

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- 2016 Sustainability Leadership Fellow, School of Global Environmental Sustainability, **Colorado State University**.
- 2015 “Enhancing ecological approaches to agriculture: financing drinking water ecosystem services partnerships.” Postdoctoral Fellowship, **USDA Agriculture and Food Research Initiative (AFRI)**, Education and Literacy Initiative (ELI) (\$150,000, declined in order to accept different position).
- 2015 Graduate Research Fellow, **National Socio-Environmental Synthesis Center (SESYNC)**, Annapolis, MD (\$2,000).
- 2014 “The Socio-Environmental Conditions of Cities that Enable Payments for Watershed Services.” (Co-PIs: J. Hoyle, H. Huber-Stearns, S. Posner, R. Richards, C. Romulo). **National Socio-Environmental Synthesis Center (SESYNC)** (grant covers team travel, meetings, and related expenses, estimated at \$35,000).
- 2013 C. Lowell Harriss Dissertation Fellowship, **Lincoln Institute for Land Policy** (\$10,000).
- 2011 Provost’s Distinguished Graduate Fellowship, **Oregon State University** (\$30,000 plus tuition and benefits).
- 2006 Robert E. Veselka Endowed Fellowship for Graduate Research Travel, **University of Texas at Austin** (\$500).
- 2006 Tinker Summer Travel Research Scholarship, **University of Texas at Austin** (\$1,000).
- 2005 Buzzard Scholarship, **Gamma Theta Upsilon - The Geographical Honor Society** (\$500).
- 2004 Partners in Scholarship (PINS) Research Grant, **University of Denver** (\$1,000).

AWARDS AND HONORS

- 2012 Finalist, Barrett Foundation Prize: Innovation in Forest Management Business Plan Challenge, **National Forest Foundation**.
- 2012 Outstanding Graduate Student Writing Award, Geography Program, **Oregon State University**.
- 2006 Student Leadership Award, Department of Geography and the Environment, **University of Texas at Austin**.
- 2004 Distinguished Senior Man, **University of Denver**.

2003 Community Scholar, Award for outstanding community service, **University of Denver**.

INVITED WORKSHOPS AND PRESENTATIONS

2017 Workshop Participant, Sustainable Grazing Lands Situation Analysis Workshop. **The Nature Conservancy**, Boulder, CO.

2016 Presenter, Bridging the Divide: A Geographer's Experience Leading a Transdisciplinary Socio-Environmental Synthesis Team. Geography Program Seminar, **Oregon State University**, Corvallis, OR.

2015 Presenter, Reconciling the Theory and Practice of Payments for Ecosystem Services. Ecosystem Services Seminar, **Portland State University**, Portland, OR.

2014 Workshop Participant, Socio-Environment Synthesis Research Proposal Writing Workshop. **National Socio-Environmental Synthesis Center (SESYNC)**, Annapolis, MD.

2013 Presenter, Examining the Payments for Ecosystem Services Craze: Environmental Panacea or Policy Puzzle? September. Environmental and Earth Sciences Research Symposia, **Willamette University**, Salem, OR.

2012 Workshop Participant, **Payments for Ecosystem Services Expert Workshop: Making it Work –Actors and Factors Influencing the Success of PES**. Workshop conducted by CIVILand (Muencheberg, Germany) and the Gund Institute for Ecological Economics at the University of Vermont, Burlington, VT.

SYMPOSIA ORGANIZED

2016 Bennett, D. and J. Pittman. Innovative Approaches to Conservation on Private lands. **North American Congress for Conservation Biology**. Madison, WI.

CONFERENCE PRESENTATIONS

2017 Bennett, D., A. Seidl, M. Menefee, and A. Greenwell. Estimating Colorado's Return on Investments in Conservation Easements. October 2017. **Natural Areas Conference**. Fort Collins, CO.

2017 Bennett, D., L. Pejchar, R. Roberts, R. Knight, and J. Berger. Can conservation on private lands be a win-win? September 2017. **Pathways**. Estes Park, CO.

2017 Barton, E., Bennett, D., and W. Burnidge. Fostering triple bottom line stewardship through holistic grazing. September 2017. **Pathways**. Estes Park, CO.

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- 2016 Bennett, D, L. Pejchar, B. Romero, R. Knight, and J. Berger. Thinking outside the easement: Emerging approaches to private lands conservation in the American West. July 2016. **North American Congress for Conservation Biology**. Madison, WI.
- 2015 Markets or Incentives for Collective Action? A Comparative Analysis of Payments for Ecosystem Services Programs in the United States. May 2015. **International Association for the Study of the Commons (IASC) 15th Biennial Global Conference**. Edmonton, Alberta.
- 2015 Challenges to Water Utility Innovation in the Development of Ecosystem Services Programs to Enhance Watershed Sustainability. April 2015. **Association of American Geographers Annual Meeting**. Chicago, IL.
- 2015 Panelist, Geography, Sustainability and the Green Campus. April 2015. **Association of American Geographers Annual Meeting**. Chicago, IL.
- 2014 Enabling Conditions for the Emergence of Payments for Watershed Services in the United States. December 2014. Poster Presentation. **A Community on Ecosystem Services (ACES) and Ecosystem Markets**. Washington, D.C.
- 2014 Conditions for the Emergence of Payments for Ecosystem Services: A Qualitative Comparative Analysis of Water Utility Programs in the United States. April 2014. Oral Presentation. **Association of American Geographers Annual Meeting**. Tampa, FL.
- 2013 Obstacles to Implementing Payments for Watershed Services at the Landscape Scale: Addressing Ownership Differences in Emerging Public Utility Initiatives. December 2013. Oral Presentation. **American Water Resources Association (AWRA) Annual Meeting**. Portland, OR.
- 2013 Placing Payments for Ecosystem Services Within a Social-Ecology Systems Framework. April 2013. Oral Presentation. **Association of American Geographers Annual Meeting**. Los Angeles, CA.
- 2012 Public Utilities and Innovative Payments for Watershed Services Programs. December 2012. Oral Presentation and Panel Participation. **A Community on Ecosystem Services (ACES) and Ecosystem Markets**. Ft. Lauderdale, FL.
- 2012 EWEB's Voluntary Incentives Program as a Model for Public Utility Investments in Watershed Services. October 2012. Oral Presentation, **The Wildlife Society 19th Annual Conference**, Portland, OR.
- 2012 Public Utilities as Local Ecosystem Services Marketplace Drivers. October 2012. Oral Presentation, **4th International EcoSummit**. Columbus, OH.

- 2012 Local Ecosystem Services Marketplaces: Public Utilities as Development Drivers. July 2012. Oral Presentation, **5th Annual International Ecosystem Services Partnership (ESP) Conference**. Portland, OR.
- 2009 Panelist, Demystifying the Accreditation Process. March 2009. **Annual Conference of the Colorado Coalition of Land Trusts**, Denver, CO.
- 2007 Indigenous land-use strategies: Household-level evidence from a Kichwa community of the Ecuadorian Amazon. April 2007. **Association of American Geographers Annual Meeting**. San Francisco, CA.
- 2006 Indigenous land-use and livelihood transitions in the Sumaco Biosphere Reserve, Ecuador. September 2006. **Southwestern Division of the Association of American Geographers annual meeting**, Norman, OK.
- 2005 Coffee, conservation, and livelihood strategies: A case study from the coffee lands of northern Nicaragua. September 2005. **Southwestern Division of the Association of American Geographers annual meeting**, Fayetteville, AR.
- 2005 Conserving biodiversity and sustaining livelihoods through coffee at Miraflores, Nicaragua. Poster presentation. April 2005. **Association of American Geographers annual meeting**. Denver, CO.

TEACHING EXPERIENCE

Ecosystem Services: Integrating Natural and Social Science to Sustain Biodiversity and Human Communities (co-instructor with Dr. Liba Pejchar and Dr. Krithi Karanth), National Institute for Biological Sciences, Bangalore, India (8-day intensive workshop, Fall 2016).

Sustainability for the Common Good (Instructor of record), College of Earth, Ocean, and Atmospheric Sciences, Oregon State University (Spring 2014, Fall 2014, Winter 2015, Spring 2015).

Environmental Geographic Information Systems (GIS) (Graduate teaching assistant with full responsibilities for the design and facilitation of laboratory sessions), Department of Geography and the Environment, University of Texas at Austin.

Introduction to Human Geography (Graduate teaching assistant with full responsibilities for the design and facilitation of recitation sessions), Department of Geography and the Environment, University of Texas at Austin.

OTHER RELEVANT EXPERIENCE

2015 Spring **Instructor**, College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, Corvallis, OR.

2011-2015 **Graduate Research and Teaching Assistant**, College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, Corvallis, OR.

- 2007-2011 **Colorado Conservation Trust Fellow** (2007-2009) and **Conservation Projects Coordinator and GIS Analyst** (2009-2011), Mesa Land Trust, Grand Junction, CO.
- 2007 Fall **Biodiversity Monitoring Intern**, The Nature Conservancy, Fox Ranch, CO.
- 2007 Summer **Geographer**, Center for Environmental Studies in Latin American, University of Texas at Austin.
- 2005-2007 **Graduate Teaching Assistant**, Department of Geography & the Environment, University of Texas at Austin.
- 2004 Summer **Naturalist**, Aspen Center for Environmental Studies (ACES), Aspen, CO.

PROFESIONAL SERVICE

- 2013-2015 Member of the Board of Directors, **Marys River Watershed Council**, Corvallis, OR.
- 2012-2015 Peer-reviewer for journals:
Ecology and Society (2017)
Biological Conservation (2015)
Bioscience (2014, 2015)
Ecosystem Services (2013, 2015, 2017, 2018)
Environmental Management (2014)
Geoforum (2013)
Human Dimensions of Wildlife (2017)
Human Ecology (2012, 2013, 2014)
Science of the Total Environment (2014)
- 2011-2014 Participant with the Rural Voices for Conservation Coalition (RVCC), a coalition of individuals and organizations working together to develop solutions to promote collaborative solutions to economic and ecological problems in the West.
- 2011-2014 Participant in the McKenzie Collaborative, a group consisting of representatives from the Eugene Water and Electric Board (EWEB), the US Forest Service, and several local non-profit organizations, partnering to address challenges in the McKenzie River watershed. In particular, the group has been instrumental in developing EWEB's Voluntary Incentives Program (VIP), a novel Payments for Ecosystem Services model.

LANGUAGES AND RELEVANT SKILLS

Spanish: Highly proficient.

GIS and Remote Sensing Software: ArcGIS (advanced), ENVI (intermediate), and Integrated Valuation of Environmental Services and Tradeoffs (InVEST) (intermediate).

PROFESSIONAL AFFILIATIONS

Association of American Geographers

Society for Conservation Biology

The International Association for the Study of the Commons

Land Trust Alliance

American Water Resources Association