

KATHERINE M. RENWICK

Postdoctoral Researcher, Montana State University
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Education

- 2015 **Ph.D.** Colorado State University, Fort Collins, CO
Graduate Degree Program in Ecology
- 2007 **B.A.** Colby College, Waterville, ME
Double Major: Environmental Studies and Classics
summa cum laude

Professional Experience

- 2015–current **Montana State University**, Bozeman, MT
Postdoctoral Researcher, Dept. of Ecology
- 2015 **Colorado State University**, Fort Collins, CO
Instructor, School of Global Environmental Sustainability
- 2010–2015 **Colorado State University**, Fort Collins, CO
Research Assistant, Dept. of Ecosystem Science and Sustainability
- 2009–2010 **Cornell University**, Ithaca, NY
Research Assistant, Boyce Thompson Institute for Plant Research
- 2009 **Cary Institute of Ecosystem Studies**, Millbrook, NY
Project Assistant
- 2007–2008 **Medomak Valley Land Trust**, Waldoboro, ME
Outreach and Stewardship Specialist
- 2007 **Acadia National Park**, Bar Harbor, ME
Biological Science Technician
- 2006 **Colby College**, Waterville, ME
Undergraduate Research Assistant, Dept. of Environmental Studies

Fellowships and Awards

- 2013–2014 Sustainability Leadership Fellow, School of Global Environmental Sustainability, CSU
- 2012 Rocky Mountain Research Fellowship, NSF and Evergreen State College
- 2011 Research Ambassador Fellow, NSF and Evergreen State College
- 2011, 2012 Honorable Mention, NSF Graduate Research Fellowship Program
- 2010 Program of Research and Scholarly Excellence Fellowship, Colorado State University

Teaching and Mentoring Experience

- 2016 Co-Instructor, Advances in Ecological Modeling, Montana State University
- 2015 Instructor, Global Environmental Sustainability, Colorado State University
- 2014 Co-Instructor, Multivariate Statistics, Colorado State University
- 2014 Teaching Assistant, Ecosystem Ecology, Colorado State University
- 2013, 2014 Research Mentor, Undergraduate Research Program, Colorado State University
- 2012, 2013 Field Skills Instructor, Undergraduate Research Program, Colorado State University
- 2012 Teaching Assistant, Forest Ecology, Colorado State University
- 2004–2007 Writing Instructor and Tutor, Colby College

Skills and Interests

- Research Plant community dynamics, global change impacts, forest and rangeland management, ecosystem modeling, applied statistics
- Teaching Basic and applied ecology, forest ecology, sustainability, research and field methods, biostatistics, science for non-majors
- Programming R · CDO · L^AT_EX · Git · basic C++ · *examples at <https://github.com/krenwick>*

Publications and Reports

2013

2012

2010

2009

Conference Presentations

- 2016 **Renwick, K.M.**, Kleinhesselink, A.K., Curtis, C., Schlaepfer, D., Bradley, B., Poulter, B., and P. Adler. "Forecasting changes in the distribution and abundance of sagebrush under climate change," Sagebrush Ecosystems Conservation Conference, Salt Lake City, UT
- 2016 **Renwick, K.M.** and M.E. Rocca. "Incorporating non-climatic variables into species distribution models to improve forecasts of landscape-scale range shifts," Open Science Conference, Fort Collins, CO
- 2016 **Renwick, K.M.**, Kleinhesselink, A.K., Curtis, C., Schlaepfer, D., Bradley, B., Poulter, B., and P. Adler. "Forecasting changes in the distribution and abundance of sagebrush under climate change," Sagebrush Ecosystems Conservation Conference, Salt Lake City, UT
- 2016 **Renwick, K.M.**, Kleinhesselink, A.K., Curtis, C., Schlaepfer, D., Bradley, B., Poulter, B., and P. Adler. "Forecasting changes in the distribution and abundance of sagebrush under climate change," Sagebrush Ecosystems Conservation Conference, Salt Lake City, UT
- 2016 **Renwick, K.M.**, Kleinhesselink, A.K., Curtis, C., Schlaepfer, D., Bradley, B., Poulter, B., and P. Adler. "Forecasting changes in the distribution and abundance of sagebrush under climate change," Sagebrush Ecosystems Conservation Conference, Salt Lake City, UT
- 2015 Instructor, Global Environmental Sustainability, Colorado State University
- 2014 Co-Instructor, Multivariate Statistics, Colorado State University

Outreach and Service

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| Reviewer | Global Ecology and Biogeography, Journal of Plant Ecology, Ecological Modeling |
| Professional Society Membership | Ecological Society of America, Early Career Ecologists Section
International Association for Landscape Ecologists
Association for Women in Science |
| University Service | Editorial Committee, Early Career Climate Forum
Newsletter Editor, Graduate Degree Program in Ecology (2013–2014)
Outreach Chair, Front Range Student Ecology Symposium (2013–2014)
Graduate Student Rep., Dept. of Ecosystem Science and Sustainability (2012–2013)
President, Front Range Student Ecology Symposium (2011–2012)
Fundraising Chair, Front Range Student Ecology Symposium (2010–2011)
Student Rep., Faculty Search Committee, Colorado State University (2011)
President, Colby College Environmental Coalition (2005–2007) |