

# Francis R. Eanes

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Environmental Studies Program  
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## **EDUCATION**

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2016 Ph.D. Environment & Resources, University of Wisconsin-Madison  
2012 M.S. Agroecology, University of Wisconsin-Madison  
2009 B.A. English; Peace & Conflict Studies (double major), Messiah College (PA)

## **PROFESSIONAL EXPERIENCE**

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2017- Visiting Assistant Professor of Environmental Studies, Bates College  
2016-2017 Postdoctoral Research Associate, Natural Resource Social Science Lab, Purdue University  
2015 Lecturer, Nelson Institute for Environmental Studies, University of Wisconsin-Madison  
2014-2016 Teaching Assistant, Nelson Institute for Environmental Studies, University of Wisconsin-Madison  
2012-2014 Research Assistant, Sea Grant Institute, University of Wisconsin-Madison  
2010-2012 Research Assistant, Agroecology Program, University of Wisconsin-Madison

## **RESEARCH & TEACHING INTERESTS**

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Postindustrial and de-industrializing landscapes; urban and regional food systems; human dimensions of natural resources; environmental behavior and decision making; sense of place; participatory, community-engaged research & teaching.

## **HONORS, AWARDS, & GRANTS** (\*external funding)

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2018	Bates College Sherman-Fairchild Summer Research Grant	\$5,571	funded
2017	*US EPA – Socioeconomic Evaluation of Agricultural Soil & Water Conservation Incentive Programs	\$750,000	not funded
2016	*Indiana Soybean Alliance – Ag Collaboration grant	\$98,000	not funded
2016	Purdue University AgSEED Innovations grant	\$50,000	not funded
2015	*NOAA Sea Grant – Cultural Ecosystem Services	\$450,000	not funded
2015	UW-Madison Public Humanities Exchange Program	\$1,250	funded

2015	*International Association of Society and Natural Resources Travel Grant	\$250	funded
2009	Scholar-Athlete of the Year Award		awarded
2009	Messiah College Urban Agriculture Research Grant	\$750	funded

## PUBLICATIONS

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### Peer Reviewed Journal Articles

- Eaton, W.M., **F.R. Eanes**, J.D. Ulrich-Schad, M.E. Burnham, S.P. Church, J.G. Arbuckle, and J.E. Cross. (2019). The trouble with sense of place in working landscapes. *Society and Natural Resources*. (Accepted, in press).
- Eanes, F.R.**, A.S. Singh, B.R. Bulla, P. Ranjan, M. Fales, B. Wickerham, P.J. Doran, and L.S. Prokopy. (2019). Crop advisers as conservation entrepreneurs: increasing the capacity of Midwestern U.S. farmers to adopt soil and water conservation practices. *Land Use Policy*. 81, 360-370. doi: 10.1016/j.landusepol.2018.10.054
- Ranjan, P., C.B. Wardropper, **F.R. Eanes**, S.W. Reddy, L.S. Prokopy. (2019). Understanding barriers and opportunities for adoption of conservation practices on rented farmland. *Land Use Policy*. 80, 214-223. doi: 10.1016/j.landusepol.2018.09.039
- Glas, Z., J.G. Getson, Y. Gao, A.S. Singh, **F.R. Eanes**, L.A. Esman, B.R. Bulla, L.S. Prokopy. (2018). *Effect of Monetary Incentives on Mail Survey Response Rates for Midwestern Farmers*. *Society and Natural Resources*. doi: 10.1080/08941920.2018.1530815
- Eanes, F.R.**, J.M. Silbernagel, D.A. Hart, P. Robinson, and M. Axler. (2018). Participatory mobile- and web-based tools for eliciting landscape knowledge and perspectives: introducing and evaluating the Wisconsin Geotools Project. *Journal of Coastal Conservation*. 22(2), 1-18; doi: 10.1007/s11852-017-0589-2
- Eanes, F.R.**, J.M. Silbernagel, and P. Robinson. (2018). Effects of scale and the biophysical environment on sense of place in northeastern Wisconsin's bioregions. *Human Ecology Review*. 24(1), 71-95. doi: 10.22459/HER.24.01.2018.04
- Singh, A.S., **F.R. Eanes**, and L.S. Prokopy. (2018). Assessing conservation adoption criteria using the Analytic Hierarchy Process: case studies from three Midwestern watersheds. *Society & Natural Resources*. 31(4), 503-507; doi: 10.1080/08941920.2017.1413694
- Eanes, F.R.**, A.S. Singh, B.R. Bulla, P. Ranjan, L.S. Prokopy, M. Fales, B. Wickerham, and P.J. Doran. (2017). Midwestern US Farmers Perceive Crop Advisers as Conduits of Information on Agricultural Conservation Practices. *Environmental Management*. 60(5), 974-988; doi: 10.1007/s00267-017-0927-z
- Sikder, S.K., **F. Eanes**, H.B. Asmelash, S. Kar, and T. Koetter. (2016). The Contribution of Energy Optimized Urban Planning to Efficient Resource Use. *Sustainability*. 8(2), 119; doi: 10.3390/su8020119
- Eanes, F.** and S. J. Ventura. (2015). Vacant land inventory and suitability analysis for community gardening in Madison, WI. *Cities and the Environment*. 8(2).

## Articles in Review

Prokopy, L.S., K. Floress, **F.R. Eanes**, A.S. Singh, P. Ranjan, S.P. Church, Y. Gao, B.M. Gramig, J.G. Arbuckle. Factors influencing the adoption of agricultural best management practices on U.S. farmland: a vote-count analysis of 35 years of research. Submitted to *Journal of Soil and Water Conservation*.

## Articles in Preparation

**Eanes, F.R.** and X. Zhou. Determinants of suburban residents' adoption of lawncare best management practices in central Maine. Will be submitted to *Environmental Management*.

**Eanes, F.R.** Inventorying vacant and underutilized urban land for community food production: A review and research agenda. Will be submitted to *Landscape & Urban Planning*.

Samanta, A., **F.R. Eanes**, B.R. Bulla, M. Fales, B. Wickerham, and L.S. Prokopy. Lessons learned about communication and partnership building in a regional multi-stakeholder agricultural conservation initiative. Will be submitted to *Society and Natural Resources*.

Singh, A.S., **F.R. Eanes**, and L.S. Prokopy. Communicating the uncertainty of climate change to a skeptical population: An examination of aleatoric and epistemic uncertainty and attitudes to adaptation. Will be submitted to *Climate Change Communication*.

**Eanes, F.**, J. Silbernagel, P. Robinson, and D. Hart. Spatial narratives in theory and practice for landscape conservation and public engagement. Submitted to *Landscape Journal*.

## Community-Engaged Publications

**Eanes, F.**, P. Ranjan, and L.S. Prokopy. (2017). Saginaw Bay Regional Conservation Partnership Program Social Science Evaluation: Year 1 Summary Report. Available from <https://www.purdue.edu/fnr/prokopy/sbrcpp>

**Eanes, F.**, B.R. Bulla, P. Ranjan, J. Getson, and L.S. Prokopy. (2016). Saginaw Bay farmers' perspectives on water quality and conservation practices: key findings and recommendations. Prepared for The Nature Conservancy. (*published internally; available on request*)

**Eanes, F.** (2015). Assessment of community partner satisfaction with community-based learning capstone courses. Prepared for the Nelson Institute for Environmental Studies, University of Wisconsin-Madison. (*published internally; available on request*)

**Eanes, F.** (2012). Lots to plots: a database of potential community garden sites in Madison, WI. Prepared for the City of Madison Committee on Community Gardens. Webmap and report available online at [www.lotstplots.wordpress.com](http://www.lotstplots.wordpress.com)

**Eanes, F.**, and D. Webster. (2010). Messiah College sustainability master plan. (*published internally; available on request*)

**Eanes, F.**, and J. Lauer (2009). Sustainability at Messiah: curricular design and justification for a sustainability major at Messiah College. (*published internally; available on re-quest*)

## **TEACHING EXPERIENCE & PROFESSIONAL DEVELOPMENT**

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### **Courses Taught (\*as graduate assistant)**

2018 (spring) Food Systems of Maine  
 2018 (spring) Urban and Regional Food Systems  
 2017 (fall) Urban Environments: Resilience and Adaptation  
 2018 (fall)  
 2017 (fall) Community-Engaged Research  
 2018 (spring)  
 2018 (fall)  
 2016 (spring) \*Environment & Religion  
 2015 (fall) \*Introduction to Environmental Studies  
 2015 (spring) ENV Capstone: Environmental Site History Assessment  
 2014 (fall) \*ENV Capstone: Lead in Community Garden Soils  
 2014 (spring) \*Applications of GIS in Natural Resources

### **Coursework & Training Workshops (\*semester-long course)**

2016 Using Team-based Learning in Environmental Studies  
 2015 \*Teaching Internship  
 2015 \*Improv Skills for Teaching & Science Communication  
 2015 \*Teaching Writing Across the Curriculum  
 2014 \*Active Learning Techniques in the College Classroom  
 2014 Introduction to Team-based Learning  
 2014 UW-Madison Teaching and Learning Symposium

### **Conference Panels Organized/Moderated**

2015 Community-Based Learning Part 1: The challenges of making the community our classroom. Association for Environmental Studies and Sciences. June 26.  
 2015 Community-Based Learning Part 2: Assessing student learning and community impacts. Association for Environmental Studies and Sciences. June 26.

### **Guest Lectures**

2016 Social Values in Urban & Regional Food Systems, Messiah College  
 2016 Sense of Place and Environmental Behavior, Messiah College  
 2015 Social Values in Urban & Regional Food Systems, UW-Madison  
 2014 Environmental Learning & Participatory Mapping, UW-Madison

## **PRESENTATIONS (\*presenter)**

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### **Invited**

1. **Eanes, F.R.**, L.A. Kuntz, D.A. Reichard, and C.M. Musil (moderator). Redesigning majors: disciplinary knowledge, civic learning, and public responsibility. Association of American Colleges and Universities. April 3, 2018. (*webinar available at <https://www.aacu.org/webinar/redesigning-majors>* )
2. **Eanes, F.R.**, and L.S. Prokopy. Agriculture, water & conservation in the Saginaw Bay Watershed: Results from a social science evaluation of the agricultural and conservation community. Indiana Water Resources Research Institute. September 28, 2017. (*webinar available at <https://iwrrc.org/webinars>* )
3. **Eanes, F.R.**, and L.S. Prokopy. The role of crop advisers in promoting farmers' adoption of conservation practices: lessons from the Saginaw Bay, MI. Great Lakes Restoration Initiative Priority Watersheds Workshop. June 14, 2017. Chicago, IL.
4. **Eanes, F.R.**, L.S. Prokopy, and A. Pape. Influencing farmer adoption of conservation practices: The role of networks. INField Advantage Farmer Network annual meeting. Indianapolis, IN.
5. **Eanes, F.R.**, and L.S. Prokopy. Engaging farmers in soil and water conservation. The Nature Conservancy. Oct 31, 2016. Lansing, MI.
6. **Eanes, F.R.**, and D.L. Webster. Sustainability on the college campus. Messiah College Convocation. April 17, 2012. Grantham, PA.

### **Conference Panels Organized/Moderated**

1. Adoption of natural resource conservation practices and pro-environmental behaviors on private lands in rural and urban landscapes. Association for Environmental Studies and Sciences. June 23, 2017.

### **Selected Conference Presentations (\*presenter)**

1. \*Eaton, W.M., J.D. Ulrich-Schad, M. Burnham, F.R. Eanes, S.P. Church, J.G. Arbuckle, and J.E. Cross. Trouble with Sense of Place in Working Landscapes: Lessons from Research on Energy and Agricultural Transitions in Rural Spaces. International Symposium on Society and Resource Management. June 17-20, 2018.
2. \*Ranjan, P., C.B. Wardropper, **F.R. Eanes**, S.M.W. Reddy, S. Harden, Y. Masuda, and L. S. Prokopy. Who has the power? – Implications for conservation behavior on rented cropland. International Symposium on Society and Resource Management. June 17-20, 2018.
3. \*Arbuckle, J.G., S.C. Church, **F.R. Eanes**, K. Floress, Y. Gao, B.M. Gramig, L.S. Prokopy, P. Ranjan, and A.S. Singh. Why farmers adopt (or do not adopt) soil and water conservation practices: Results from a meta-analysis of adoption research from 1982-2017. Rural Sociological Society. July 26-29.
4. \*Singh, A.S., and **F.R. Eanes**. Communicating the uncertainty of climate change to a skeptical population: An examination of aleatoric and epistemic uncertainty and attitudes toward adaptation. Association of Pacific Coast Geographers. October 25, 2017.
5. \*Prokopy, L.S., P. Ranjan, and **F.R. Eanes**. The role of crop advisers in promoting farmers' adoption of conservation practices. Soil and Water Conservation Society International Annual Conference. July 31-Aug 2, 2017.
6. \*Prokopy, L.S., S.C. Church, and **F.R. Eanes**. Broadening the watershed planning network: Leveraging crop advisers in conservation initiatives. Association of Collegiate Schools of Planning. October 12-15, 2017.

7. \*Prokopy, L.S., S.C. Church, **F.R. Eanes**, A.S. Singh, J.G. Arbuckle, B.M. Gramig, P. Ranjan, K. Floress, and Y. Gao. Understanding barriers to adoption of conservation practices on rented cropland. Soil and Water Conservation Society International Annual Conference. July 31-Aug 2, 2017.
8. \***Eanes, F.R.** Rethinking our boundaries: examining bioregional identities and place attachment as factors influencing environmental behavior in Great Lakes coastal communities. Association for Environmental Studies and Sciences. June 25-28, 2015.
9. \***Eanes, F.R.** Mobile tools for incorporating community knowledge and values in natural resource decision making. International Symposium on Society and Resource Management. June 13-18, 2015.
10. \***Eanes, F.R.** Mobile tools for incorporating community knowledge and values in natural resource decision making. International Association for Great Lakes Research. May 25-29, 2015.
11. \***Eanes, F.R.** Building a Bioregional Synthesis. Nelson Institute Earth Day Conference. April 17, 2014.
12. \***Eanes, F.R.** Using Mobile Geotools to Foster Effective Citizen Science Monitoring. Geospatial Summit. April 25, 2013.
13. \***Eanes, F.R.** Using Spatial Narrative Geotools to Foster Stewardship in Coastal Communities. Nelson Institute Earth Day Conference. April 16, 2013.
14. \***Eanes, F.R.** Using Mobile Geotools to Foster Effective Citizen Science Monitoring. American Water Resources Association. March 7, 2013.
15. \***Eanes, F.R.** Lots to Plots: Building an Inventory of Vacant Land for Community Gardening in Madison, WI. Geospatial Summit, Madison, WI April 23, 2012.

## **SERVICE & MENTORING**

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### **Senior Thesis Advising (\*honors thesis committee member)**

2018	Dylan Metsch-Ampel Claire Sickinger Avery Wolfe *Zsofia Duarte
2017	Matthew Reback

### **Undergraduates Students Mentored**

2015-2016	Ella Norris
2014-2015	Ethan Heyrman
2014-2015	Brenna O'Halloran
2011-2012	Dustin Berneau

### **Manuscript Peer Reviewer**

*Journal of Cities and the Environment*

*Climate and Development*

*Journal of Environmental Management*

*Case Studies in the Environment*

## **PROFESSIONAL AFFILIATIONS**

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Member, Environmental Studies & Sciences Association

Member, International Association for Society & Natural Resources

## **REFERENCES**

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Dr. Linda S. Prokopy (postdoctoral adviser) Professor  
Department of Forestry and Natural Resources Purdue University  
Email: lsprokopy@wisc.edu  
Office Phone: (765)-496-2221

Dr. Janet M. Silbernagel (dissertation adviser) Professor and Program Director  
Environmental Conservation Professional Masters – Nelson Institute for Environmental  
Studies, University of Wisconsin-Madison  
Email: jmsilber@wisc.edu  
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Dr. Anna M. Gade  
Vilas Distinguished Achievement Professor Nelson Institute for Environmental Studies  
University of Wisconsin-Madison  
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Dr. Nick Balster Associate Professor  
Soil Sciences and Nelson Institute for Environmental Studies University of Wisconsin-Madison  
Email: njbalster@wisc.edu  
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