

CURRICULUM VITAE

ZHAO MA

Purdue University, College of Agriculture, Department of Forestry and Natural Resources
195 Marsteller Street, West Lafayette, IN 47907
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EDUCATION

Ph.D., Natural Resources Science and Management, minor in Statistics (2008)

Department of Forest Resources, College of Food, Agricultural and Natural Resource Sciences,
University of Minnesota, St. Paul, MN

Dissertation title: The integration of cumulative environmental impact assessments and state
environmental review frameworks

Advisors: Drs. Michael A. Kilgore and Dennis R. Becker

Master of Arts, Sustainable International Development (2004)

Programs in Sustainable International Development, Heller School for Social Policy and
Management, Brandeis University, Waltham, MA

Thesis title: Modeling local governance, local economic development, and social welfare at the
municipal level in Bolivia

Advisor: Dr. Ricardo Godoy

Bachelor of Engineering, Material Physics (2002)

Department of Materials Physics, School of Materials Science and Engineering, University of
Science and Technology Beijing, China

RESEARCH

Research Interests

As a natural resource social scientist, my research program focuses on questions related to how *individuals* and *organizations* make resource management decisions and adapt to social-ecological change at various scales. My research relies on both quantitative and qualitative research methods, including conducting surveys, focus groups, and interviews, conducting document analysis and policy inventory, and using econometric models to analyze decision making processes. I am generally interested in topics within forest ecosystems and farming communities in both the Global South and Global North, but have worked on grazing and other environmental conservation topics in the past.

Positions Held

Associate Professor, Department of Forestry and Natural Resources, College of Agriculture, Purdue
University, West Lafayette, IN. (07/2016-)

Assistant Professor, Department of Forestry and Natural Resources, College of Agriculture, Purdue
University, West Lafayette, IN. (08/2013-06/2016)

Assistant Professor, Department of Environment and Society, College of Natural Resources, Utah State
University, Logan, UT. (08/2009-07/2013)

Post-doctoral Research Associate, Department of Natural Resources Conservation, University of
Massachusetts Amherst, Amherst, MA. (03/2008-06/2009)

Research Assistant, Department of Forest Resources, University of Minnesota, St. Paul, MN. (09/2005-
02/2008)

Database Researcher, The Nature Conservancy, Lima, Peru. (02/2004-04/2004)

Research Intern, Public Policy Unit, United Nations Development Programme, La Paz, Bolivia.
(07/2003-02/2004)

Research Assistant, Program in Sustainable International Development, Brandeis University, Waltham, MA. (01/2003-08/2003)

Research Assistant, Environmental Change and Security Program, Woodrow Wilson International Center for Scholars, Washington, DC. (02/2003-06/2003)

Peer-reviewed Publications (+ indicates a graduate student)

1. Burnham, M.⁺, **Ma, Z.**, Endter-Wada, J., Bardsley, T. 2016. Water management decision making in the face of multiple forms of uncertainty and risk. *Journal of the American Water Resources Association*. doi: 10.1111/1752-1688.12459
2. Burnham, M.⁺, **Ma, Z.** 2016. Climate change adaptation: Factors influencing Chinese smallholder farmers' perceived self-efficacy and adaptation intent. *Regional Environmental Change*. doi: 10.1007/s10113-016-0975-6
3. Gitau, M.W., Chen, J.⁺, **Ma, Z.** 2016. Water quality indices as tools for decision making and management. *Water Resources Management* 30(8): 2591-2610.
4. Ulrich-Schad, J.D., Babin, N., **Ma, Z.**, Prokopy, L.S. 2016. Out-of-state, out of mind? Absentee farmland owners and conservation decision making. *Land Use Policy* 54: 602-613.
5. Farmer, J.R., **Ma, Z.**, Drescher, M., Knackmuhs, E.G.⁺, Dickinson, S.L. 2016. Private landowners, voluntary conservation programs, and implementation of conservation friendly land management practices. *Conservation Letters*. doi: 10.1111/conl.12241
6. Laatsch, J.⁺, **Ma, Z.** 2016. Climate change communication within public natural resource agencies: Lessons learned from the U.S. Forest Service. *Society & Natural Resources* 29(10): 1169-1185.
7. Burnham, M.⁺, **Ma, Z.**, Zhang, B.⁺ 2016. Making sense of climate change: Hybrid epistemologies, socio-natural assemblages, and smallholder knowledge. *Area* 48: 18-26.
8. Burnham, M.⁺, **Ma, Z.** 2016. Linking smallholder farmer climate change adaptation decisions to development. *Climate and Development* 8(4): 289-311.
9. Young, J., **Ma, Z.**, Laudati, A., Berger, J. 2015. Human-carnivore interactions: Lessons learned from communities in the American West. *Human Dimensions of Wildlife* 20(4): 349-366.
10. Laatsch, J.⁺, **Ma, Z.** 2015. Strategies for incorporating climate change into public forest management. *Journal of Forestry* 113(3): 335-342.
11. Burnham, M.⁺, **Ma, Z.**, Zhu, D. 2015. The human dimensions of water saving irrigation: Lessons learned from Chinese smallholder farmers. *Agriculture and Human Values* 32: 347-360. DOI: 10.1007/s10460-014-9565-8
12. Burnham, M.⁺, Radel, C., **Ma, Z.**, Laudati, A. 2014. Teaching and learning guide for: Extending a geographic lens towards climate justice. *Geography Compass* 8(4): 277-285.
13. Cook, S.⁺, **Ma, Z.** 2014. The interconnectedness between landowner knowledge, value, belief, attitude, and willingness to act: Policy implications for carbon sequestration on private rangelands. *Journal of Environmental Management* 134: 90-99.
14. Greene, J.L., Butler, B.J., Catanzaro, P.F., Hewes, J.H., Kilgore, M.A., Kittredge, D.B., **Ma, Z.**, Tyrrell, M.L. 2014. Family forest owners and federal taxes. *Forest Policy and Economics* 38: 219-226.
(After the first author, the remainder authorship was alphabetically ordered)
15. Cook, S.⁺, **Ma, Z.** 2014. Carbon sequestration and private rangelands: Insights from Utah landowners and implications for policy development. *Land Use Policy* 36: 522-532.
16. **Ma, Z.**, Butler, B.J., Catanzaro, P.F., Greene, J.L., Hewes, J.H., Kilgore, M.A., Kittredge, D.B., Tyrrell, M. 2014. The effectiveness of state preferential property tax programs in conserving forests: Comparisons, measurements, and challenges. *Land Use Policy* 36: 492-499.
17. Burnham, M.⁺, Radel, C., **Ma, Z.**, Laudati, A. 2013. Extending a geographic lens towards climate justice, part 1: Climate change characterization and impacts. *Geography Compass* 7(3): 239-248. DOI: 10.1111/gec3.12034

18. Burnham, M.⁺, Radel, C., **Ma, Z.**, Laudati, A. 2013. Extending a geographic lens towards climate justice, part 2: Climate action. *Geography Compass* 7(3): 228-238. DOI: 10.1111/gec3.12033
19. Petrzela, P., **Ma, Z.**, Malin, S.⁺ 2013. The elephant in the room: Absentee landowner issues in conservation and land management. *Land Use Policy* 30(1): 157-166.
20. **Ma, Z.**, Coppock, D.L. 2012. Perceptions of Utah ranchers towards carbon sequestration: Policy implications for US rangelands. *Journal of Environmental Management* 111: 78-86.
21. Butler, B.J., Catanzaro, P.F., Greene, J.L., Hewes, J.H., Kilgore, M.A., Kittredge, D.B., **Ma, Z.**, Tyrrell, M.L. 2012. Taxing family forest owners: Implications of federal and state policies in the United States. *Journal of Forestry* 110(7): 371-380.
22. **Ma, Z.**, Becker, D.R., Kilgore, M.A. 2012. Barriers to and opportunities for effective cumulative impact assessment within state-level environmental review frameworks in the United States. *Journal of Environmental Planning and Management* 55(7): 961-978.
23. **Ma, Z.**, Butler, B.J., Kittredge, D.B., Catanzaro, P. 2012. Factors associated with landowner involvement in forest conservation programs in the U.S.: Implications for policy design and outreach. *Land Use Policy* 29(1): 53-61.
24. **Ma, Z.**, Kittredge, D.B., Catanzaro, P. 2012. Challenging the traditional forestry extension model: Insights from the Woods Forum program in Massachusetts. *Small-scale Forestry* 11(1): 87-100.
25. **Ma, Z.**, Kittredge, D.B. 2011. How family forest owners consider timber harvesting, land sale, and conservation easement decisions: Insights from Massachusetts, USA. *International Journal of Forestry Research*. Volume 2011, Article ID 290353, 13 pages. DOI:10.1155/2011/290353.
26. Butler, B.J., **Ma, Z.** 2011. Family forest owner trends in the northern United States. *Northern Journal of Applied Forestry* 28(1): 13-18.
27. Butler, B.J., **Ma, Z.**, Kittredge, D.B., Catanzaro, P. 2010. Social versus biophysical availability of wood in the northern United States. *Northern Journal of Applied Forestry* 27(4): 151-159.
28. **Ma, Z.**, Becker, D.R., Kilgore, M.A. 2009. Assessing cumulative impacts within state environmental review frameworks in the United States. *Environmental Impact Assessment Review* 29(6): 390-398.
29. **Ma, Z.**, Becker, D.R., Kilgore, M.A. 2009. Characterising the landscape of state environmental review policies and procedures in the United States: A national assessment. *Journal of Environmental Planning and Management* 52(8): 1035-1051.
30. Godoy, R., Reyes-Garcia, V., Huanca, T., Leonard, W.R., Olvera, R.G., Bauchet, J., **Ma, Z.**, St. John, J., Miodosky, M., Rios, O.Z., Vadez, V., Seyfreid, C. 2007. The role of community and individuals in the formation of social capital. *Human Ecology* 35(6): 709-721.

Manuscripts in Review (⁺ indicates a student author)

1. Burnham, M., **Ma, Z.** Multi-scalar pathways to smallholder adaptation. *World Development*. In review.
2. Bauchet, J., Steele, D., **Ma, Z.**, Godoy, R., Radel, C., Zanotti, L., Gramig, B. Comparison of direct transfers for human capital development and environmental conservation. *World Development*. In review.
3. Graham, S., Niemiec, R., Metcalf, A., Gill, N., Moreno, C., Bach, T., Ikutegbe, V., Hallstrom, L., **Ma, Z.** Collective action for invasive species management: opportunities for scaling up, down and out. *Frontiers in Ecology and the Environment*. In review.

Extension Factsheets, Technical Reports and Other Publications (⁺ indicates a student author)

1. Cook, S.⁺, **Ma, Z.**, Brain, R. 2013. Rangeland Carbon Sequestration. Utah State University Cooperative Extension. Sustainability/2013/13pr. Available at: http://extension.usu.edu/files/publications/publication/sustainability_2013_13pr.pdf
2. Curtis, K., **Ma, Z.**, MacAdam, J., Chakreeyarat, V.⁺ 2012. Rancher Adoption Potential of the Birdsfoot Trefoil Pasture Beef Production System in the Intermountain West. Utah State University

- Cooperative Extension. AG/Agribusiness/2012-03pr.
3. Butler, B.J., Hewes, J.H., Catanzaro, P., Greene, J.L., Kilgore, M.A., Kittredge, D.B., Langer, J., **Ma, Z.**, Reuben, A., Tyrrell, M. 2010. Effects of Federal, State, and Local Tax Policies on Family Forest Owners: Technical Report. USDA Forest Service/University of Massachusetts Amherst, Family Forest Research Center, Amherst, MA. FFRC Research Paper No. 2010-01. 76 p. Available on-line at: www.familyforestresearchcenter.org/projects/taxes.html.
 4. Godoy, R., Bauchet, J., **Ma, Z.** 2003. Comparison of socio-economic indicators between Puerto Rico and the United States mainland: Analysis of the Census 2000. Working Paper No.10. Waltham, MA: Center for International Development, Heller School for Social Policy and Management, Brandeis University.

Grants, Fellowships, and Scholarships

- Illinois-Indiana Sea Grant College Program (2016). PI. Combining societal acceptance and biophysical drivers of conservation practices to improve water quality in multi-use landscapes. \$198,776
- USDA Forest Service, Northern Research Station (2015). PI. Awareness, attitudes, and behaviors of family forest owners towards invasive forest plants: implications for prevention and control strategies in the Northern Forests. \$39,863
- USDA National Institute of Food and Agriculture Beginning Farmer and Rancher Development Program (2015). Co-PI (PI: Gibson). Infrastructure, access, and community: a plan to support beginning farmers in Indiana. \$681,405
- USDA Forest Service, Sustainable Operations (2015). PI. Factors motivating sustainable behaviors within the USDA Forest Service. \$27,000
- Purdue University, Center for Global Food Security (2015). Co-PI (PI: Iyer-Pascuzzi). Deciphering the biology, economics, and viability of biochar-mediated disease resistance for smallholder tomato farmers in Colombia. \$70,000
- Purdue University, Center for the Environment (2015). PI. Using cash transfers to promote ecosystem services and sustainable livelihoods: what is the role of conditionality? \$17,670
- Purdue University, Department of Forestry and Natural Resources (2015). Co-PI (PI: Atallah). Mixed methods in socio-ecological systems: survey-based simulation models of human-wildlife interactions in a recreational park. \$14,980
- Indiana Department of Natural Resources (2014). Co-PI (PI: Zollner). Integrating ecological, landscape and social information for wildlife conservation and management in Indiana. \$74,884.
- Purdue University, College of Agriculture, AgSEED Program (2014). PI. Facilitating informed decision making to prevent and control invasive plants: a study of family forest owners in Indiana. \$49,957.
- Utah Agricultural Experiment Station (2012). PI. Linking perception and action: Building Utah agricultural communities' capacity to adapt to climate change. \$19,997
- Utah State University, Seed Program to Advance Research Collaborations (2011). Co-PI (PI: MacAdam). Rapid beef finishing on Birdsfoot Trefoil pastures for sustainable mitigation of climate change. \$35,000
- USDA Congressional Earmark on China Research (2010). PI. Smallholder farmer climate perception and adaptation in arid and semi-arid regions of China. \$56,400
- Utah State University, Research Catalyst program (2010). PI. Understanding landowner perception of climate uncertainty and assessing the viability of carbon sequestration policy in Utah. \$19,952
- Utah Agricultural Experiment Station (2010). PI. Understanding Utah farmers' perceptions of carbon sequestration programs and their likelihood of participation. \$20,000
- USDA Forest Service, Northern Research Station (2009). PI. Family forest research. \$17,190
- Northeastern States Research Cooperative (2008). Co-PI (PI: Leahy). Estimating willingness to

accept recreation access policies, incentives, and compensation among private forest landowners in Maine's inland rim counties. \$44,570

Invited Presentations and Lectures (indicates the presenter, + indicates a graduate student)*

1. **Ma, Z.*** 2016. The Human dimensions of invasive plant management on non-industrial private forestland. Invited seminar, Energy & Environmental Forum, Howard H. Baker Jr Center for Public Policy, University of Tennessee, Knoxville, TN.
2. **Ma, Z.***, Steele Jones, D.* 2016. Conceptualizing, practicing, and communicating about sustainability: preliminary results from a survey of Forest Service employees. Invited webinar, Region/Station/Area Climate Change and Sustainability Staff Meeting, USDA Forest Service. The Climate Change Coordinators Staff Meeting
3. **Ma, Z.***, Steele Jones, D.* 2016. Conceptualizing, practicing, and communicating about sustainability: preliminary results from a survey of Forest Service employees. Invited webinar, Office of Sustainability and Climate Change, USDA Forest Service.
4. **Ma, Z.*** 2016. Engaging family forest owners in the prevention and control of invasive plants in privately-owned forest landscapes. Invited webinar, Family Forest Research Center, a joint effort between USDA Forest Service Northern Research Station and University of Massachusetts Amherst.
5. **Ma, Z.*** 2015. Human dimensions of private forest management and conservation. Invited guest lecture, North Carolina Agricultural and Technical State University.
6. **Ma, Z.*** 2015. Incorporating climate change into the management of National Forests: Lessons learned from a Forest Service employee survey. Invited webinar, Region/Station/Area Climate Change Coordinators' Call, USDA Forest Service.
7. **Ma, Z.*** 2015. Incorporating climate change into the management of National Forests: Lessons learned from a Forest Service employee survey. Invited webinar, NEPA Knowledge Cafe, USDA Forest Service.
8. **Ma, Z.*** 2015. Incorporating climate change into the management of National Forests: Lessons learned from a Forest Service employee survey. Invited webinar, Sustainable Operations Collective, USDA Forest Service.
9. **Ma, Z.*** 2015. Incorporating climate change into the management of National Forests: Lessons learned from a Forest Service employee survey. Invited webinar, North Central Climate Science Center, U.S. Geological Survey, Department of Interior.
10. **Ma, Z.*** 2015. Different ways of knowing and doing: Climate change perceptions and adaptations in the context of social-ecological change. Invited seminar, Department of Natural Resources and Environmental Sciences, University of Illinois at Urbana-Champaign.
11. Laatsch, J.+*, **Ma, Z.***. 2014. USDA Forest Service perspectives on forest management in a changing climate. Invited webinar, North Central Climate Science Center, U.S. Geological Survey, Department of Interior.
12. **Ma, Z.*** 2014. Climate change perception and adaptation in the context of agricultural livelihoods: A case study of smallholder farmers in northwest China. Invited seminar, The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis Colloquium Series, Indiana University, Bloomington, IN.
13. **Ma, Z.*** 2010. Bridging the gap between policy and practice: Human dimensions of natural resource management. Invited seminar, Northwest Agriculture and Forestry University, Yangling, Shaanxi Province, China.

14. **Ma, Z.***, Becker, D.R., Kilgore, M.A. 2008. Bridging the gap between policy and practice: Assessing cumulative environmental impacts under state environmental review frameworks. Invited seminar, School of Forest Resources, University of Maine, Orono, ME.
15. **Ma, Z.*** 2007. Educational outreach: Marketing forest certification to family forest owners in northern Minnesota. Invited presentation, The 2007 Family Forest Stewardship Conference, St. John's University, Collegetown, MN.

Presentations at Professional Conferences (* indicates the presenter, + indicates a graduate student)

Presentations that were given by research collaborators with myself listed as a co-author are not included in the following list (>20).

1. **Ma, Z.***, Clarke, M.⁺, Snyder, S., Floress, K. 2016. Invasive plant management on family forestlands: landowner awareness, attitudes, and behaviors. Paper presented at the Society of American Foresters National Convention, Madison, WI.
2. Clarke, M.⁺, **Ma, Z.** 2016. Strategies to combat invasive plants in forest ecosystems: lessons learnt from Indiana family forest owners. Paper presented at the 22nd International Symposium on Society and Resource Management, Houghton, MI.
3. Iles, K. ⁺, **Ma, Z.** 2016. Common ground: an analysis of community and small-scale farming in Indiana. Paper presented at the 22nd International Symposium on Society and Resource Management, Houghton, MI.
4. **Ma, Z.***, Clarke, M.⁺, Snyder, S., Floress, K. 2016. Engaging family forest owners in the prevention and control of invasive plants in privately-owned forest landscapes: Challenges and opportunities. Paper presented at the 2016 U.S. Regional Association of the International Association for Landscape Ecology (US-IALE) Annual Meeting, Asheville, NC.
5. **Ma, Z.***, Clarke, M.⁺ 2015. Prevention and control of invasive plants: (Preliminary) lessons learned from family forest owners in Indiana. Paper presented at the Midwest Invasive Plant Network Invasive Plant Symposium, Indianapolis, IN.
6. **Ma, Z.***, Clarke, M.⁺ 2015. Family Forest Owner Risk Perception and Management of Invasive Plants. Paper presented at the Society of American Foresters National Convention, Baton Rouge, LA.
7. Clarke, M.⁺, **Ma, Z.** 2015. Facilitating informed decision-making to prevent and control invasive plants: Study of Indiana's family forest owners. Paper presented at the 21st International Symposium on Society and Resource Management, Charleston, SC.
8. **Ma, Z.***, Burnham, M.⁺ 2015. Situating climate change perceptions and adaptations in the context of social-ecological change: Lessons learned from Chinese smallholder farmers. Paper presented at the 4th Global ICARUS (Initiative on Climate Adaptation Research and Understanding through the Social Sciences) Meeting, Urbana, IL.
9. Blythe, R., Chapman, R., Hartel, C., Kempf, J., **Ma, Z.***, Quinn, V., Wuestefeld, A., Zollner, P. 2015. Differences in conservation priorities as "all of the above" or "hard choices": Insights from Indiana's State Wildlife Action Plan. Paper presented at the 75th Midwest Fish and Wildlife Conference, Indianapolis, IN.
10. **Ma, Z.***, Laatsch, J.⁺ 2014. Dealing with new challenges using old approaches? Dilemma of managing the National Forests in the face of climate change. Paper presented at the Society of American Foresters National Convention, Salt Lake City, UT.
11. Burnham, M.⁺, **Ma, Z.**, Endter-Wada, J. 2014. Creating Utah's water future: The politics of water management adaptation to climate change. Paper presented at the Association of the American Geographers Annual Meeting, Tampa, FL.

12. Laatsch, J.⁺*, **Ma, Z.** 2013. USDA Forest Service's perspectives on forest management in a changing climate. Paper presented at the Society of American Foresters National Convention, North Charleston, SC.
13. Laatsch, J.⁺*, **Ma, Z.** 2013. USDA Forest Service's perspectives on forest management in a changing climate. Paper presented at the Restoring the West conference, Logan, UT.
14. **Ma, Z.***, Burnham, M.⁺, Cook, S.⁺. 2013. Why do they see climate change differently? A comparative study of agricultural producers in northwest China and Utah. Paper presented at the 19th International Symposium on Society and Resource Management, Estes Park, CO.
15. Burnham, M.⁺*, **Ma, Z.** 2013. Climate change perception and adaptation in the context of multiple stressors: A case study of smallholders in northwest China. Paper presented at the 19th International Symposium on Society and Resource Management, Estes Park, CO.
16. Burnham, M.⁺*, **Ma, Z.** 2013. Mixed methods, mixed results: Examining smallholder climate change perception, vulnerability and adaptation in northwest China. Paper presented at the Association of American Geographers Annual Meeting, Los Angeles, CA.
17. **Ma, Z.***, Burnham, M.⁺, Zhang, B.⁺, Zhu, D. 2013. Climate information: Is it the cure? Paper presented at NOAA's 11th Annual Climate Prediction Applications Science Workshop, Logan, UT.
18. Cook, S.⁺*, **Ma, Z.** 2012. The potential for carbon sequestration on private rangelands in Utah: a landowner perspective. Paper presented at the 18th International Symposium on Society and Resource Management, Edmonton, Alberta, Canada.
19. **Ma, Z.***, Butler, B.J., Kittredge, D.B., Catanzaro, P. 2010. What affects family forest owner participation in forest conservation programs? Paper presented at the Society of American Foresters National Convention, Albuquerque, NM.
20. **Ma, Z.***, Kittredge, D.B., Catanzaro, P. 2010. Peer learning: a strategy for effective forestry extension and outreach. Paper presented at the Society of American Foresters National Convention, Albuquerque, NM.
21. Coppock, D.L., **Ma, Z.*** 2010. Private landowner attitudes and perceptions concerning carbon sequestration on Utah rangelands. Paper presented at the 16th International Symposium on Society and Resource Management, Corpus Christi, TX.
22. **Ma, Z.***, Kittredge, D.B., Catanzaro, P. 2010. Challenging the traditional forestry extension model: insights from a pilot peer learning program in Western Massachusetts. Paper presented at the 16th International Symposium on Society and Resource Management, Corpus Christi, TX.
23. **Ma, Z.***, Kittredge, D.B., Butler, B.J., Catanzaro, P. 2009. What affects family forest owner decision making. Paper presented at the Society of American Foresters National Convention, Orlando, FL.
24. **Ma, Z.***, Butler, B.J. 2009. Biophysical vs. social availability of woody biomass: how much is really available on family forestlands in the northern U.S.? Paper presented at the IUFRO 3.08 Small Scale Forestry Symposium, Morgantown, WV.
25. **Ma, Z.***, Becker, D.R., Kilgore, M.A. 2008. Assessing cumulative environmental impacts within state environmental review frameworks. Paper presented at the 14th International Symposium on Society and Resource Management, Burlington, VT.
26. **Ma, Z.***, Becker, D.R., Kilgore, M.A. 2007. Integrating cumulative impact assessment into state environmental review programs. Paper presented at the 13th International Symposium on Society and Resource Management, Park City, UT.

TEACHING AND MENTORING

Courses Taught and Assisted

Purdue University (instructor)

Undergraduate courses

FNR 22310/POL 22300 Introduction to Environmental Policy (Spring 2014, 2015, 2016, 2017)

FNR 37500 Human Dimensions of Natural Resource Management (Spring 2014, 2015, 2016, 2017)

FNR 58000 Research Methods for Natural Resources Social Science (Fall 2016)

Utah State University (instructor)

Undergraduate courses

ENVS 3000 Natural Resources Policy and Economics (Fall 2009)

ENVS 3010 Fundamentals of Natural Resource and Environmental Policy (Fall 2010-2011)

ENVS 3010 Fundamentals of Natural Resource and Environmental Policy (Spring 2012; mixed mode with distance and in-class students)

Graduate courses

ENVS 6910 Directed Study: Qualitative Research Methods (Spring 2011)

ENVS 6900/ENVS 6150 Conservation Policy for Private Lands (Fall 2010-2011, 2013)

University of Minnesota

Undergraduate courses

ENR 1201 Conservation and Management of Natural Resources (Spring 2005; co-instructor)

ESPM 3051 Experience and Training in a Field Setting (Fall 2005; instructor)

ESPM 3241W/5241 Natural Resource and Environmental Policy (Spring 2006; TA)

ESPM 3480/5480 Community Involvement in Water Resources Issues in China (Summer 2005; TA)

Student Mentoring

Chair/Co-chair of Graduate Committees

Mysha Clarke; PhD; Natural Resource Social Science (current); Purdue University

Landon Young; PhD; Ecological Science & Engineering (current); Purdue University

Jenn Domenech; MS; Natural Resource Social Science (current); Purdue University

Keri Iles; MS; Natural Resource Social Science (current); Purdue University

Morey Burnham; PhD; Human Dimensions of Ecosystem Science and Management; Utah State Univ.

Jamie Laatsch; MS; Human Dimensions of Ecosystem Science and Management; Utah State Univ.

Seth Cook; MS; Human Dimensions of Ecosystem Science and Management; Utah State Univ.

Members of Graduate Committees

Sarah Huang; Ph.D.; Interdisciplinary Ecological Science & Engineering; Purdue University (2016-present)

Brian MacGowan; Ph.D.; Natural Resource Social Science; Purdue University (2013-present)

Yuling Gao; Ph.D.; Natural Resource Social Science; Purdue University (2015-present)

Leah Sandler; Ph.D.; Interdisciplinary Ecological Science & Engineering; Purdue University (2015-present)

Elisabeth Krueger; Ph.D.; Interdisciplinary Ecological Science & Engineering; Purdue University (2016-present)

Renee Obringer; Ph.D.; Interdisciplinary Ecological Science & Engineering; Purdue University (2016-present)

Matthew Harris; M.S.; Interdisciplinary Ecological Science & Engineering; Purdue University (2015-present)

Janelle Cronin; M.S.; Interdisciplinary Ecological Science & Engineering (2015-2016)

Belyna Bentlage; M.S.; Interdisciplinary Ecological Science & Engineering; Purdue University

(2014-2015)

Daniel Kinka; Ph.D.; Ecology; Utah State University (2013-present)

Lisa Welsh; Ph.D.; Human Dimensions of Ecosystem Science and Management; Utah State University (2010-2014)

Saleh Ahmed; M.S.; Sociology; Utah State University (2012-2015)

Enjie Li; M.S.; Bioregional Planning; Utah State University (2012-2013)

Tyler Allen; M.S.; Bioregional Planning; Utah State University (2012-2013)

Kathryn Davis; M.S.; Human Dimensions of Ecosystem Science and Management; Utah State University (2010-2012)

Richie Gardner; M.S.; Forestry; Utah State University (2010-2012)

Gary Bezzant; M.S.; Human Dimensions of Ecosystem Science and Management; Utah State University (2012)

Adam Perschon; M.S.; Bioregional Planning; Utah State University (2011)

Undergraduate Students

Priyanka Shankar, undergraduate research assistant, Purdue University, 2015-present

Austin Sheetz, undergraduate research assistant, Purdue University, 2016-present

Daniela Alvarado Rincon, undergraduate research assistant / exchange student, Universidad Nacional de Colombia / Purdue University, 2015

Colleen Hartel, undergraduate research assistant; Purdue University, 2014

Amy Rohman; Honors undergraduate fellow; Utah State University

Michaela Stuver; Honors undergraduate fellow; Utah State University

Rob Watson; Undergraduate research assistant; Utah State University

Patrick Barrus; Undergraduate research fellow; Utah State University

Brooke McNaughton; Honors undergraduate fellow; Utah State University

Post-doctoral mentees

Dr. Diana Steele Jones; Ph.D. in Anthropology; post-doctoral research associate; 2015-present

Visiting Scholars

Dr. Dingming An; Associate Professor, Qinghai University; visiting scholar; 2015-2016

AWARD

Undergraduate Research Mentor of the Year for the Quinney College of Natural Resources, Utah State University, 2013

SERVICE AND LEADERSHIP

Purdue University

Executive Committee for the Purdue Water Community (member: Nov. 2014-2016)

College of Engineering & College of Liberal Arts, Building Sustainable Communities cluster hire, Coupled Natural & Human Systems Dynamics Faculty Search Committee (member: Sept. 2014-Mar. 2015)

College of Agriculture, Grade Appeals Committee (member: Mar. 2015-present)

College of Agriculture, Diversity Action Team in Agriculture (member: Aug. 2015-present)

Department of Forestry and Natural Resources, Visiting Scientist and Seminar Speaker Committee (member: Aug. 2013-Mar. 2015; chair: Mar. 2015-present)

Department of Forestry and Natural Resources, Graduate Committee (member: Aug. 2015-present)

Department of Forestry and Natural Resources, Budget and Steering Committee (member: Aug. 2015-present)

Department of Forestry and Natural Resources, Social Committee (member: Aug. 2014-present)

Department of Forestry and Natural Resources, Ecological/Resource/Environmental Economics
Faculty Search Committee (member: Aug.-Dec. 2015)

Department of Forestry and Natural Resources, Ecological Economics and Sustainability Faculty
Search Committee (member: Aug.-Dec. 2013)

Utah State University

University Sustainability Curriculum Committee (member: Apr. 2010-Feb. 2011)

College of Agriculture, Department of Landscape Architecture and Environmental Planning,
Bioregional Planning Faculty Search Committee (member: Oct. 2012-Mar. 2013)

College of Natural Resources (CNR), Strategic Planning Committee (member: Dec. 2011-Jun. 2012)
CNR, Graduation Committee (member: Apr.-May 2010)

Department of Environment and Society (ENVS), Human Dimensions of Ecosystem Science and
Management Graduate Program, Self-Study Committee (chair: Jan.-Feb. 2012)

ENVS, Interim Department Head Search Committee (member: Nov. 2010-Feb. 2011)

ENVS, Sustainable Communities Extension Specialist Search Committee (member: Jun. 2010-Jan.
2011)

ENVS, Graduate Statistical Requirements Committee (co-chair: Aug.-Nov. 2010)

ENVS, Environmental Studies Major Curriculum Committee (member: Mar.-Aug. 2010)

ENVS, Recreation Resource Management Faculty Search Committee (member: Sept. 2009-Mar.
2010)

Leadership in Professional Societies

International Association for Society and Natural Resources: (1) Elected council member, 2014-current;
(2) Scientific Committee member, 2016-present

Society of American Foresters: (1) B1 Private Forest Land Working Group secretary, 2014-current; (2)
2017 SAF National Convention Program Committee, 2016-current

Associate Editor for Academic Journals

Small-Scale Forestry (2016-present)

Forest Science (2016-present)

Reviewer for Academic Journals

Agricultural Systems

Agriculture and Human Values

Biological Conservation

Climate and Development

Ecology and Society

Energy Policy

Environment, Development and Sustainability

Environmental Conservation

Environmental Impact and Assessment Review

Florida Scientist

Forest Policy and Economics

Forest Science

Geography Compass

Irrigation and Drainage

Journal of Environmental Management

J. of Environmental Planning and Management

Journal of Forestry

Journal of Integrative Agriculture

Journal of Natural Resources Policy Research

Journal of Rural Studies

Journal of Wildlife Management

Land Use Policy

Landscape and Urban Planning

Mitigation and Adaptation Strategies for Global Change

Northern Journal of Applied Forestry

Policy Sciences

Silva Fennica

Small-Scale Forestry

Society and Natural Resources

WIREs Climate Change

Reviewer for Regional, National, and International Funding Agencies

Oregon Sea Grant Social Science and Human Dimension Research program

Utah Agricultural Experiment Station

National Estuarine Research Reserve System Science Collaborative grants program

National Geographic Society grants program

Other Invited Reviews

Examiner of PhD dissertation, Charles Sturt University, Australia

NON-PROFIT WORK EXPERIENCE

Campaign Assistant, Greenpeace, Beijing, China. (09/2000-07/2002)

Assisted in establishing the first Greenpeace office in mainland China. Developed and maintained a communication network of Chinese media, relevant government agencies, and local, national and international non-profit organizations and foundations working on environmental and natural resource issues in China. Assisted in the development of anti-incineration and forest conservation campaign.

Founder and Editor, China Bird Watch, Beijing, China. (11/2001-08/2002)

Established a monthly newsletter dedicated to wild bird protection in China, which was widely disseminated among Chinese birdwatchers, journalists and reporters from the major media, student environmental groups, and local, national and international non-profit organizations and foundations working on environmental and natural resource issues in China.

Project Leader, The Save Tibetan Antelope Campaign, Beijing, China. (04/2001-12/2001)

Organized the Save Tibetan Antelope Campaign among universities and colleges in China. Raised funds for the Wild Yak Team, a wildlife protection group in Qinghai province. Co-developed an English website for the Tibetan Antelope Information Center, a non-profit organization dedicated to the protection of wildlife on the Tibetan Plateau.

PROFESSIONAL AND ACADEMIC MEMBERSHIPS

Xi Sigma Pi Forestry Honor Society

International Association for Society and Natural Resources

Society of American Foresters

OTHER TRAINING AND SKILLS

Training in teaching in higher education through the Preparing Future Faculty Program at University of Minnesota's Center for Teaching and Learning Services

Languages: Mandarin Chinese – native, English – fluent, Spanish – spoken, French – beginner

Software: STATA, SPSS, CPro