

Curriculum Vitae

STEVEN A. WOLF

Associate Professor of Environmental Social Science
Department of Natural Resources and Graduate Field of Development Sociology
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EDUCATION

1996, Ph.D. University of Wisconsin-Madison, Environmental Studies; Land Resources

1991, M.A. University of Virginia; Urban and Environmental Planning; Land Use

1986, B.A. University of Vermont; major in English, concentration in Chemistry

RESEARCH INTERESTS

Environmental governance; political economy of natural resources; multifunctional landscapes; co-evolution of institutions, knowledge, and environment

EMPLOYMENT HISTORY

2008 - present, Associate Professor, Department of Natural Resources, Cornell University (USA)

2009 – 2014, Sr. Lecturer, Centre for Environmental Policy, Imperial College (London, UK)

2001- 2008, Assistant Professor, Department of Natural Resources, Cornell University

1996-2001, Post-Doctoral Fellow, Agricultural & Resource Economics, Univ. of California-Berkeley

1998-2000, Post-Doctoral Fellow, Institut National de la Recherche Agronomique, Toulouse

1991, Policy Intern, Agency for International Development, Arlington, Virginia.

1986-1987, Assistant Manager, Contract Packing, West Lynn Creamery, Lynn, MA. (\$100,000,000/yr food service firm)

PUBLICATIONS (*Graduate student or Post-Doctoral Fellow whom I supervised)

Journal Articles

2018. *Gustafsson, K., S. Wolf, and A. Agrawal. Science-policy-practice interfaces: Emergent knowledge and monarch butterfly conservation. *Environmental Policy and Governance*. DOI: 10.1002/eet.1792

2017. *Munck af Rosenschöld, J. and S. Wolf. Toward projectified environmental governance? The case of the U.S. Regional Conservation Partnership Program. *Environment and Planning A*. 49(2):273-292.

2017. *Wang, P., G. Poe, and S. Wolf. Payments for Ecosystem Services and Wealth Distribution. *Ecological Economics*. 132:63-68.

2017. Dong, Shikui, Steven A. Wolf, James P. Lassoie, Shiliang Liu, Ruijun Long, Shaoliang Yi, Abdul Wahid Jasra, Karma Phuntsho. Bridging the gaps between science and policy for sustainable rangeland management in developing countries. *Bioscience*. <https://doi.org/10.1093/biosci/bix042>
2016. *Kraft, B. and S. Wolf. Through the lens of accountability: Analyzing legitimacy in environmental governance. *Organization and Environment*. 1-23.
2016. *Wang, P., S. Wolf, J. Lassoie, G. Poe, S. Morreale, S. Xukun, and S. Dong. Promise and reality of market-based environmental policies in China: Empirical analyses of the ecological restoration program on the Qinghai-Tibetan Plateau. *Global Environmental Change*. 39: 35–44.
2016. Pritchard, S., S. Wolf, W. Wolford. Knowledge and the Politics of Land. *Environment and Planning A*. 48(4):616-625.
2015. *Gustafsson, K., A. Agrawal, B. Lewenstein and S. Wolf. Social construction of monarch butterflies as a conservation icon: Toward reflexive conservation. *Bioscience*. 65(6):612-62.
2014. *Blesh, J. and S. Wolf. Transitions to agroecological farming systems in the Mississippi River Basin: Toward an integrated socioecological analysis. *Agriculture and Human Values*. 31:621–635.
2014. Potter, C. and S. Wolf. Payments for ecosystem services and agri-environmental policy: Disruptive neoliberal innovation or hybrid policy adaptation? *Agriculture and Human Values*. 31: 397–408.
2013. *Cooke, H., I. Keppo and S. Wolf. Diversity in theory and practice: A review with application to the evolution of renewable energy generation in the UK. *Energy Policy* 61: 88–95.
2013. *Wang, P., Wolf, S. A., Lassoie, J. P., & Dong, S. Compensation policy for displacement caused by dam construction in China: An institutional analysis. *Geoforum* 48: 1–9.
2012. Wolf, S. Wise use movement. Pp. 499-500, in S. Fredericks et al. (Eds.). *The Berkshire Encyclopedia of Sustainability: Vol. 4. Natural Resources and Sustainability*. Great Barrington, MA: Berkshire Publishing.
2012. *Neugarten, R.A., S. Wolf, R.C. Stedman. Forest rights and forest fights: Working Forests in New York State. *Society and Natural Resources*. 25 (12): 1205-1220.
2011. *Neugarten, R.A., S. Wolf, R.C. Stedman, and T.H. Tear. Integrating ecological and socioeconomic monitoring of working forest. *BioScience* 61 (8): 631-637.
2011. *Hufnagl-Eichiner, S., S. Wolf and L. Drinkwater. Assessing socio-ecological coupling: Agriculture and hypoxia in the Gulf of Mexico. *Global Environmental Change* 21 (2): 530-539
2011. Wolf, S. Network governance as adaptive institutional response: The case of multifunctional forested landscapes. *Journal of Natural Resources Policy Research* 3 (3): 223-236.
2011. *Zhuang, H., S. Wolf and J. Lassoie. The potential role of non-governmental organizations in promoting ecotourism development in China. *Journal of Ecotourism* 10 (1): 55–72.
2010. Friedland, W., E. Ransom and S. Wolf. Agrifood alternatives and reflexivity in academic practice: Introduction to symposium. *Rural Sociology* 75 (4): 532–537.

2009. *Primmer, E. and S. Wolf. Empirical accounting of adaptation to environmental change: Organizational competencies and biodiversity in Finnish forest management. *Ecology and Society* 14(2): 27.
2008. Wolf, S. Professionalization of agriculture and distributed innovation for multifunctional landscapes and territorial development. *Agriculture & Human Values*, 25 (2): 203-207.
2008. Harrison, J. and S. Wolf. Introduction to the symposium: Fault lines in U.S. agriculture. Special section of *Agriculture & Human Values*, S. Wolf and J. Harrison (eds.), 25 (2): 147-149.
2008. *Ohl, B., S. Wolf and W. Anderson. A modest proposal: Global rationalization of ecological footprint to eliminate ecological debt. *Sustainability: Science, Practice, & Policy* 4 (1).
2007. *Melo, C. and S. Wolf. Eco-certification of Ecuadorian bananas: Prospects for progressive North-South linkages. *Studies in Comparative International Development* 42 (3): 256-278.
2007. S. Wolf and J. Klein. Enter the working forest: Discourse analysis in the northern forest. *Geoforum* 38 (5):985-998.
2007. *Klein, J. and S. Wolf. Toward multifunctional landscapes: Cross-sectional analysis of management priorities in New York's northern forest. *Rural Sociology* 72 (3):391-417.
2007. Wolf, S. and S. Hufangl-Eichiner. External resources and development of forest landowner collaboratives. *Society and Natural Resources* 20 (8):675-688.
2007. *Brown, C., S. Wolf and J. Lassoie. An analytic approach to structuring co-management of community forests in Cameroon. *Progress in Development Studies* 7 (2):135-155.
2007. *Young, R. and S. Wolf. Toward a pragmatic program for urban ecology (response to critics of our 2006 Urban Ecosystem article). *Urban Ecosystems* 10 (3):349-354.
2006. Wolf, S. and E. Primmer. Between incentives and action: A pilot study of biodiversity conservation competencies for multifunctional forest management in Finland. *Society and Natural Resources* 19:845-861.
2006. *Young, R. and S. Wolf. Goal attainment in urban ecology research: A bibliometric review 1975-2004. *Urban Ecosystems* 9:179-193.
2006. Just, D., S. Wolf, and D. Zilberman. Effect of information formats on information services: Analysis of four selected agricultural commodities. *Agricultural Economics* 35:289-301
2005. *Melo, C. and S. Wolf. Empirical assessment of eco-certification: The case of Ecuadorian bananas. *Organization and Environment* 18 (3):287-317.
2004. Allaire, G. and S. Wolf. Cognitive representations and institutional hybridity in agrofood innovation. *Science, Technology & Human Values* 29 (4):431-458.
2003. Just, D., S. Wolf, and D. Zilberman. Principles of risk management service relations in agriculture. *Agricultural Systems* 75 (2-3):199-213.

2002. Just, D., S. Wolf, S. Wu, and D. Zilberman. Consumption of economic information in agriculture. *American Journal of Agricultural Economics* 84 (1):39-52.

2001. Wolf, S., B. Hueth, B., E. Ligon. Policing mechanisms in agricultural contracts. *Rural Sociology* 66(3):359-381.

2001. Wolf, S., D. Zilberman and D. Just. Between data and decisions: The organization of agriculture economic information systems. *Research Policy* (30):121-141.

2000. Hueth, Brent, E. Ligon, S. Wolf, and S. Wu. Incentive instruments in CA fruit and vegetable contracts: Input control, monitoring, measuring, and price risk. *Review of Agricultural Economics* 21(2):374-389.

1999. Fairfax, S., Fortmann, L., Hawkins, A., Huntsinger, L., Wolf, S. Federal forests are not what they seem: Formal and informal claims to federal lands. *Ecology Law Quarterly* 25:630-646.

1999. Wolf, S. And P. Nowak. Institutional failure and agro-environmental management. *Research in Social Problems and Public Policy* 7: 293-310

1999. Wolf, S. and D. Zilberman. Public science, biotechnology, and the industrial organization of agrofood systems. *AgBioForum* 2(1): 37-42.

1997. Wolf, S. and S. Wood. Precision farming: environmental legitimation, commodification of information, and industrial coordination. *Rural Sociology* (62)2:180-206.

1996. Wolf, S. and F. Buttel. The political economy of precision farming. *American Journal of Agricultural Economics* 78:1269-1274.

1996. Wolf, S. and P. Nowak. A regulatory approach to atrazine management: evaluation of Wisconsin's groundwater protection strategy. *Journal of Soil and Water Conservation* 51(1):94-100.

1995. Wolf, S. and P. Nowak. Development of information intensive agrichemical management services in Wisconsin. *Environmental Management* 19(3):371-382.

1995. Wolf, S. Cropping systems and conservation policy: the roles of agrichemical dealers and independent crop consultants. *Journal of Soil and Water Conservation* 50(3):263-269.

1995. Wolf, S. and T. F. Allen. Recasting alternative agriculture as a management model: the value of adept scaling. *Ecological Economics* 12:5-12.

Books

2017. Bonanno, A. and S. Wolf (eds). Resistance to the Neoliberal Agri-Food Regime: A Critical Analysis. Routledge/Earthscan, London.

2014. Wolf, S. and A. Bonanno (eds.). The Neoliberal Regime in Agri-Food: Crisis, Resilience and Restructuring. Routledge/Earthscan, London.

2001. Wolf, S. and D. Zilberman (eds.). Knowledge Generation and Technical Change: Institutional Innovation in Agriculture. Kluwer Academic Press, Norwell, MA.

1998. Wolf, S. (ed.). Privatization of Information and Agricultural Industrialization. CRC Press, Boca Raton, FL. 299 pp.

Book Chapters

Forthcoming. Institutional investment in a multi-functional forested landscape: Neoliberalism and pragmatism in contemporary land conservation. In H. Bjørkhaug, A. Magnan and G. Lawrence (eds). Financialisation, Food Systems and Rural Transformation. Routledge/Earthscan, London.

2017. Accountability, Rationality, and Politics: Critical Analysis of Agri-environmental Policy Reform in USA. In A. Bonanno and S. Wolf (eds). Resistance to the Neoliberal Agri-Food Regime: A Critical Analysis. Routledge/Earthscan, London.

2017. Bonanno, A. and S. Wolf. Introduction. In A. Bonanno and S. Wolf (eds). Resistance to the Neoliberal Agri-Food Regime: A Critical Analysis. Routledge/Earthscan, London.

2017. Bonanno, A. and S. Wolf. Conclusion: The Contradictions of Resistance to Neoliberal Agri-food. In A. Bonanno and S. Wolf (eds). Resistance to the Neoliberal Agri-Food Regime: A Critical Analysis. Routledge/Earthscan, London.

2014. Wolf, S. and A. Bonanno. Introduction. Pp. 1-9 in Wolf, S. and A. Bonanno (eds.). The Neoliberal Regime in Agri-Food: Crisis, Resilience and Restructuring. Routledge/Earthscan.

2014. Wolf, S. *U.S. Agrienvironmental Policy: Neoliberalization of Nature meets Old Public Management*. Pp. 191-206 in The Neoliberal Regime in the Agri-Food Sector: Crisis, Resilience and Restructuring. Steven A. Wolf and Alessandro Bonanno (eds). Earthscan/Routledge. Oxon, UK.

2014. Wolf, S. and A. Bonanno. *Conclusion: The Plasticity and Contested Terrain of Neoliberalism*. Pp. 284-293 in The Neoliberal Regime in the Agri-Food Sector: Crisis, Resilience and Restructuring. Steven A. Wolf and Alessandro Bonanno (eds). Earthscan/Routledge. Oxon, UK.

2012. Wolf, S. *Temporal dimensions of governance: Critical analysis of projects as analogues of professions*. Ch. 10 in Short-termism and Sustainability: Changing Time-frames in Spatial Policy Interventions, S. Sjöblom, K. Andersson, T. Marsden & S. Skerratt, Ashgate, ISBN 978-1-4094-4677-4.

2012. Potter, C. and S. Wolf. *Agrienvironmental policy, rural environments and the fork in the road: A comparative analysis of the US and the EU*. In Rural Transformations and Rural Policies in the UK and US; M.Shucksmith, D. Brown, S. Shortall, J. Vergunst and M. Warner (eds.). Routledge.

2006. Wolf, S. *Commercial restructuring of collective resources in agrifood systems of innovation*. Pp. 91-121 in The New Political Sociology of Science: Institutions, Networks, and Power; S. Frickel and K. Moore (eds.). University of Wisconsin Press, Madison, WI.

2001. Wolf, S. and D. Zilberman. *Introduction*. Pp. xi-xxii in Knowledge Generation and Technical Change: Institutional Innovation in Agriculture, S. Wolf and D. Zilberman (eds.). Kluwer Academic Press, Norwell, MA

2001. Wolf, S. and D. Zilberman. *Institutional dimensions of knowledge system design and analysis*. Pp. 357-366 in Knowledge Generation and Technical Change: Institutional Innovation in Agriculture, S. Wolf and D. Zilberman (eds.). Kluwer Academic Press, Norwell, MA.

2001. Wolf, S., D. Zilberman, S. Wu and D. Just. *Institutional relations in agricultural information systems*. Pp. 233-266 in Knowledge Generation and Technical Change: Institutional Innovation in Agriculture, S. Wolf and D. Zilberman (eds.). Kluwer Academic Press, Norwell, MA.

1998. Wolf, S. *Introduction*. Pp. xvii-xxv in Privatization of Information and Agricultural Industrialization, S. Wolf (ed.). CRC Press, Boca Raton, FL.

1998. Wolf, S. *Privatization of crop production information service markets*. Pp. 151-182 in Privatization of Information and Agricultural Industrialization, S. Wolf (ed.). CRC Press, Boca Raton, FL.

1998. Wolf, S. *Institutional relations in agricultural information: Transitions and consequences*. Pp. 3-22 in Privatization of Information and Agricultural Industrialization, S. Wolf (ed.). CRC Press, Boca Raton, FL.

Book Reviews

2012. Review of, Standards: Recipes for Reality, by L. Busch. *Rural Sociology* 77 (3): 490-492.

Journal Articles in Review (*Graduate student or Post-Doctoral Fellow whom I supervised)

*Wolf, S. and R. Ghosh. A practice-centered analysis of environmental accounting: Integrating agriculture into carbon governance. Under revision, *Land Use Policy*.

Wolf, S., N. Kudva, A. Varghese, A. Willford, R. Stoltzfus, S. Nath, and P. Roy, Slow conservation in the Nilgiris Field Learning Center: An integrative model of education, research, and practice. Under review, *Current Conservation*.

*Wang, P. and S. Wolf. A targeted approach to pro-poor payments for ecosystem services. In review, *Frontiers in Ecology and Environment*.

Agrawal, A., P. Marra, S. Altizer and S. Wolf. Renewing our commitment to migratory species conservation. Science-Policy forum. In review, *Conservation Letters*.

*Lee, J. and S. Wolf. Critical Assessment of Implementation of the Forest Rights Act of India In review, *Land Use Policy*.

Ray, D. and S. Wolf. The national program of biological diversity conservation in India: From promising model toward effective implementation. In review, *Environmental Policy and Governance*.

OTHER PUBLICATIONS

Published Conference Proceedings

2015. A. Bonanno and S. Wolf. *The new frontier of resistance in global agri-food*. <http://www.irsa-world.org/category/presidents-corner/#.VquXzrIrKM8>.

2008. E. Primmer and S. Wolf. Analysis of institutional and technical adaptation: biodiversity conservation capabilities of forestry organisations responding to social-ecological challenges. International Conference of the Social-Ecological Research Programme Berlin, Germany Feb. 22-23.

2004. S. Wolf and E. Primmer. *Biodiversity conservation competency acquisition among Finnish forest management service providers*. Proceedings of Conference on Policy Instruments for Safeguarding Forest Biodiversity - Legal and Economic Viewpoints, Helsinki, Finland.
<http://www.metla.fi/tapahtumat/2004/forest-biodiversity/kotisivu-en.htm>

2002. Allaire and S. Wolf. *Professional networks in innovation processes*. In proceedings of the 4th Triple Helix Conference, Copenhagen Business School.

1995. Wolf, S. and P. Nowak. *The status of information-based agrichemical management services in Wisconsin's agrichemical supply industry*. In Proceedings of Site-Specific Management of Agricultural Systems Conference. American Society of Agronomy, Crop Science Society of America, Soil Science Society of America, Madison, WI. pp. 909-920.

1995. Nowak, P. and S. Wolf. *Site-specificity in agriculture: hard or soft paths for Wisconsin agrichemical supply dealers*. In Proceedings of 1994 Wisconsin Fertilizer, Ag Lime and Pest Management Conference, University of Wisconsin - Madison, Cooperative Extension. pp. 146-160.

1994. Ferber, D., S. Wolf, P. Nowak. *Using GIS to analyze agrichemical dealer practices and agrichemical use*. In Proceedings of GIS/LIS '94, Annual Conference and Expo, Phoenix, AZ. Pp. 282-294

1993. Wolf, S., H. Hartley, R. McCallister, P. Nowak. *Impacts of atrazine restrictions on weed management in corn*. In Proceedings of Agricultural Research to Protect Water Quality, Soil and Water Conservation Society, Minneapolis, MN. Pp. 166-168.

Extension Publications

Potter, C., S. Wynne-Jones, and S. Wolf. 2015. Workshop summary commentary - Ecosystem Services and Sustainable Agricultural Landscapes. *Grand Challenges in Ecosystems and Environment*. Imperial College, London. April 30, 2015.

S. Wolf, J. Klein, S. Hufnagl-Eichiner, L. Buck. 2006. Taking stock and looking ahead: Benchmarking New York State maple sugar production. (Statistical compendium profiling sugarbush management, maple production and marketing and enterprise management). Pp. 132.
<http://maple.dnr.cornell.edu/pubs/maple%20sugar%20report.pdf>

Editorials

Wolf, S. 1997. Commentary: The perils of privatization. *AgConsultant*, 53(4): 26.

Wolf S. 1992. Institutional/sociological links between sustainable agriculture and wildlife need further examination. Editorial in *American Journal of Sustainable Agriculture*, 7(1 & 2):68-69.

Reports

Wolf, S., D. Just, S. Wu and D. Zilberman. 1998. Foundations of agricultural economic information networks. Report for *USDA-ERS Commercial Agriculture Division*. 109 pp.

Purvis, A., S. Wolf, and S. Batie. 1996. Privatization of technology and information transfer in U.S. agriculture: toward a policy research agenda. CBPE 96-1. *Texas A&M University, Center for Biotechnology Policy and Ethics*. 18 pp.

Haimes, Y., J. Pet-Edwards, S. Wolf. 1991. Risk management through waste minimization. *Center for Risk Management in Engineering Systems. University of Virginia*. 271 pp.

RESEARCH FUNDING

Current and Pending Funding

- Adaptive management in habitat exchanges: An institutional analysis of the barriers and pathways to learning. *Atkinson Center for Sustainable Futures, Cornell University*. PI. G. Dowell and A. Fuller (Co-PIs). \$113,000. Sept. 2017-Aug 2019.
- Designing Integrative Land Management. *USDA, Higher Education Challenge Grant*, W. Wolford (PI), Bezner-Kerr, Craib, Wolf, and Steenhuis (co-PI). \$140,000.
- Environmental and Experiential Learning and Internship Experiences in Washington, D.C. *Engaged Cornell Planning Grant*. (co-PI). \$10,000.
- Community-Engaged Research in the Nilgiri Biosphere Reserve. *Engaged Cornell research grant*. 2016-2017. \$40,000.

Previous Research Funding

- Reducing Phosphorus Loads from Agriculture: Creating a Pay-for-Performance Program using Field-Specific Information. *Great Lakes Protection Fund*. J. Winsten, Winrock International (PI), Delta Institute and Sand County Foundation. \$40,000.
- Scientific ambiguity and its consequences for a conservation icon. *Atkinson Center for Sustainable Futures, Cornell University*. PIs, Anurag Agrawal (Ecology and Evolutionary Biology), Bruce Lewenstein (Communications/Science & Technology Studies), Steven Wolf. \$90,000. 2013-2015.
- Optimizing legume management to reduce GHG emissions and increase resilience. *USDA, Agriculture and Food Research Initiative*. Co-PI with L. Drinkwater (co-PI) and Todd Walter (PI, Cornell). \$660,000.00. 2012-2014.
- Rights to the Forest: Impacts of Governance Changes on Health, Nutrition and Livelihoods in the Nilgiri Biosphere Reserve, India. *Institute for Social Sciences, Cornell University*. PIs, Neema Kudva (City and Regional Planning), Rebecca Stoltzfus (Nutrition), Andrew Willford (Anthropology), and Steven Wolf (Natural Resources) \$9000. 2013-2014.
- Economic policy instruments and multifunctionality. *Cornell University Agricultural Experiment Station*. Principal Investigator, \$60,000, 2012-2015.
- Contentious Landscapes: Property, Governance, Economy and Livelihoods on the Ground. \$5000. *Institute for Social Science, Cornell University*.
- Keystone-Cornell Initiative for Biodiversity Conservation and Sustainable Livelihood Generation (Nilgiris, India). *Atkinson Center for Sustainable Future, Cornell University*. PI, Neema Kudva (CRP), Co-PI, Steven Wolf (NTRES), Co-PI, Andrew Willford (ANTHR), Co-PI, Anurag Agrawal (EEB), Co-PI, Rebecca Stoltzfus (NS), and Co-PI, Lesley Yorke (UCOMM). \$75,000. 2012-2013.
- Understanding linkages between human and biogeochemical processes in agricultural landscapes. *National Science Foundation, Biocomplexity in the Environment, Dynamics of Coupled Human and*

Natural Systems. Co-PI with Laurie Drinkwater (PI, Cornell), Mark David (Co-PI, UIL), John Westra (Co-PI, LSU), Sig Snapp (Co-PI, MSU), Suzie Greenhalgh (Co-PI, World Resources Institute). \$1,600,000. 2005-2011.

- Evaluating a Working Forest: Integrated Monitoring of The Nature Conservancy-DEC Management of the Former Finch, Pruyn Lands. *Northern States Research Consortium*. PI. Richard Stedman (Co-PI, Cornell), Michelle Wood (Co-PI, New York State Chapter of The Nature Conservancy). \$140,000. 2008-2012.
- Incorporating North-South equity considerations into sustainable consumption and transitions to a green economy. *International Institute for Environment and Development (IIED)*. PI. 30,000 GBP. 2010-2011.
- Law, forests and biodiversity: an analysis of policy instruments for sustainability. *Finnish Academy of Sciences, Law and Biodiversity Initiative*. Co-Investigator with Michael Hilden, PI, Finnish Environment Institute). EU 300,000. 2005-2008.
- Development of biodiversity conservation capabilities: an institutional analysis of actors and practices. *The Maj and Tor Nessling Foundation*. Co-Investigator with Mikael Hilden (PI, Finnish Environment Institute) and Eeva Primmer (co-investigator, Finnish Environment Institute). EU 45,800, 2005-2008.
- Inter-organizational networks for cross-boundary land management: assessment and development of organizational and territorial competencies. *Cornell Agricultural Experiment Station*. Principal Investigator, \$45,000, 2006-2008.
- Collective action in management and policy of forested landscapes. *University of Wisconsin Center for Cooperatives*. \$10,000. 2008-2009.
- Workshop on projectification, governance and sustainability: North American-EU comparison and synthesis. *Cornell University Einaudi Center for International Studies, Cornell Institute for Social Sciences, Polson Institute for Global Development, Academy of Finland and University of Helsinki*. Principal Investigator with Stefan Sjöblom (Co-PI, University of Helsinki and Sarah Skerratt (Co-PI, Scottish Agricultural University), \$25,000, October 21-24, 2007.
<http://sockom.helsinki.fi/forum/eng/CornellWorkshop.html>
- Organizational dimensions of working landscapes: resources for stewardship enterprises. *Cornell Agricultural Experiment Station*. PI with Louise Buck (co-PI, Cornell). \$61,000, 2004-2006.
- Institutional arrangements for working forests. *Northeastern States Research Cooperative. University of Vermont School of Natural Resources*. PI with Ceclia Danks (Co-PI, UVM). \$42,439, 2003-2005.
- Associational forestry in the U.S.: organizational alternatives in non-industrial private forest management for environment, economy and community. *Cornell University Agricultural Experiment Station*. PI. \$30,000, 2002-2005.

External Funding Secured Prior to Professional Appointment

NB: as a Post-Doctoral Fellow and a graduate student, I was not eligible for Principle Investigator (PI) status.

- Claiming rural places: the impacts of migrations and markets on resource access and control. *USDA-National Research Initiative, Program on Rural Development*. Co-investigator with Sally Fairfax, Louise Fortmann, Lynn Huntsinger, and Nancy Peluso (PIs, UC-Berkeley). \$245,000, 1998-2001.
- Quality measurement and risk sharing in contracts for fruit and vegetables. *USDA-National Research Initiative, Program on Markets and Trade*. Contributor, Ethan Ligon (PI, UC-Berkeley). \$140,000, 1998.
- Research Conference: Knowledge generation and transfer: implications for agriculture in the 21st century. *Giannini Foundation Award, UC-Berkeley*. \$30,000, 1998.

- Assessing the market for agriculture economic information. *USDA-Economic Research Service, Markets and Trade Economics Division*. David Zilberman (PI, UC-Berkeley). \$150,000, 1997-1999.
- USEPA, USDA-NRCS, Ciba-Geigy, Farm Foundation, Leopold Center, American Society of Agronomy, DowElanco. Privatization of information and technology transfer in U.S. agriculture: research and policy implications. *USDA-National Research Initiative, Farming Systems Division*. Peter Nowak (PI, UW-Madison). \$35,000. 1995.
- Environmental implications of farmers' alternative sources of fertilizer and pesticide recommendations. *USEPA Agriculture Policy Branch, Soil and Water Conservation Society*. Co-investigator. Peter Nowak (PI, UW-Madison). \$30,000. 1994.

PRESENTATIONS

Seminars and workshop presentations

DENVI-SRC Ph.D. workshop

LUKE

Critical analysis of cost-effectiveness applied to environmental policy: Targeting as a pragmatic expression of rationality. Finnish Environment Institute (SYKE), January 20, 2017.

Working with and for society – what are the implications for science? University of Helsinki, Sustainability Science Forum, Nov 29, 2016.

Projectified Environmental Governance and Institutional Theories. Swedish School of Social Science, University of Helsinki. Nov. 16, 2016.

Temporal Dimensions of Environmental Governance: Project Forms and Project States. Department of Sociology, Örebro University, Sweden. Nov 7, 2016.

Rationality, Accountability, and Politics: Critical Analysis of Agri-environmental Policy in USA. International Rural Sociology Association. Toronto. August 11, 2016.

Accountability Gaps/Lags in Environmental Policy. Munk School of Public Affairs, University of Toronto. February 25, 2016.

Agrifood and Environment. Department of Sociology. SUNY New Paltz, NY. March 16, 2016.

Ecosystem Services and Sustainable Agricultural Landscapes: An international workshop exploring the potential and limitations of payment for ecosystem services schemes in developed countries. Co-convener with Clive Potter and Sophie Wynne Jones. Grand Challenges in Ecosystems and the Environment. Imperial College, London. April 30, 2015.

Farming, Environment, and Policy Design. St. Edmunds College. Cambridge University. April 29, 2015.

Institutional Analysis of Multifunctional Landscapes. Department of Ecosystem Science and Management. Texas A&M University. February 4, 2015.

Payments for Ecosystem Services meets Agrienvironmental Policy. Department of Sociology. Sam Houston State University. February 5, 2015.

Governance of Multifunctional Landscapes. City Forum, University of Texas, Austin, School of Architecture. February 6, 2015.

Deal of the Century: Political Economic Construction of Multifunctional Landscapes in the Adirondacks. Departmental Seminar, Landscape Architecture, Cornell University. April 23, 2014.

Sustainability as an Innovation Imperative. Young Social Scientists' Sustainability Research Forum. Cornell University. February, 13, 2014.

Payment for Ecosystem Services in Agricultural Landscapes: Navigating Neoliberalism and Mythology to Advance Outcome-Based Conservation Policy. Cornell Institute for Food and Agricultural Development (CIFAD) seminar, Cornell University February, 12, 2014.

Payment for Ecosystem Services in Agricultural Landscapes: Institutional Innovation and Stickiness. Department of Sociology. Boise State University. February 3, 2014.

Putting payments for ecosystem services in perspective: Historical context and knowledge claims. ALTER-Net 2013 Meeting, Science Underpinning the EU 2020 Biodiversity Strategy, Ghent, Belgium, April 18, 2013.

Task Force on Environmental Governance, Boston University, Oct 11-12, 2012.

Institutions and environment: Placing payment for ecosystem services in context. Beijing Normal University. June 20, 2012.

Construction of working forests in the Adirondacks: What can contemporary experiences tell us about institutional complementarity, hybridity and stickiness? Yale University, Yale Forestry Forum. Feb 9, 2012.

Agriculture in the carbon economy: The ecosystem services debate and its implications for agri-environmental policy in the US and the UK. University of Exeter, Department of Politics. Feb 28, 2011.

Exploring institutional hybridity through study of contemporary forest conservation in USA. Cardiff University, School of City and Regional Planning. Feb 15, 2011.

Resource-based analysis of sustainable development. INRA-Toulouse, Department of Economics and Rural Sociology. Feb 10, 2011.

Market-based instruments in environmental policy. Sciences Po, Public Affairs. Paris. Nov. 5, 2010.

Between Incentives and Action: Empirical Analysis of Capacity Building for Sustainable Development. Wageningen University, Communication science and innovation studies. Dec. 10, 2009.

Understanding linkages between biogeochemical and social processes in agricultural landscapes: Institutional analysis of nitrogen management in the Mississippi River Basin, USA. Grantham Institute for Climate Change, Imperial College, London. Oct 29, 2008.

Construction of multifunctional landscapes: Institutional analysis of innovation. Keynote address, Fairness and Welfare in Rural-Urban Relations. Ruralis Institute, Mikkeli, Finland. Dec. 8-10, 2005.

Community environmental governance. Paper presented to Environmental Policy Section of Finnish Environment Institute. SYKE, Finnish Environment Institute, Helsinki, Finland. June 9, 2003.

Hybrid governance in technical systems. Environmental Synergies Seminar of Helsinki University of Technology and Finnish Graduate School in Environmental Social Science. February 1, 2002.

Natural resource conservation in U.S. agricultural policy: path dependency in institutional innovation. Finnish Environmental Institute Seminar, Developments in Future Alternatives of Finnish Agriculture: Dimensions and Scales of Sustainability. Helsinki, February 5, 2002.

Natural resource conservation in U.S. agricultural policy: developments at the intensive and extensive margins. University of Oulu (Finland). February 6, 2002.

Assessment of ecological management competencies in Finnish local forest management associations. University of Oulu (Finland). February 7, 2002.

The 'market' for agricultural economic information. USDA Economic Research Service Workshop. Washington, DC. November 20, 1997.

The role of private sector service providers in pesticide decision making. EPA Pesticide Regulatory Education Program. University of California – Davis. July 15, 1997.

Institutional roles in agricultural production information service markets. Annual Meeting, American Society of Agronomy, Crop and Soil Science Society, Soil Science Society of America. Indianapolis, IN. November 3-8, 1996.

Conflict of interest in agrochemical consulting markets. Annual Meeting, Entomological Society of America. Louisville, KY. December 1996.

Public and private information channels in agricultural production systems. Extension Agricultural and Natural Resource Program Leaders. Kansas City, KS. January 1996.

Public and private information channels in agricultural production systems. Annual Meeting, National Alliance of Independent Crop Consultants. Orlando, FL. January 1996.

GIS as a research tool in applied economics. American Agricultural Economics Association, Annual Meeting Learning Workshop. Indianapolis, IN. August 1995.

Private sector technology and information transfer in U.S. agriculture. Annual Meeting, Brookside Laboratories, Silver Lake, WI. August 1995.

Privatization of information transfer. National IPM Coordinators Workshop. Washington, D.C. March 1995.

Invited Presentations at Cornell University

Competency accounting applied to climate change mitigation and adaptation. Cornell Center for Sustainable Futures. July 2, 2008.

An institutional approach to linking ecological and social subsystems in managed ecosystems. Biogeochemistry and Environmental Biocomplexity Seminar Series. Cornell University. Nov. 3, 2006.

Transgenics and agro-environments. Panel Discussant at Transgenics and the Poor: Science, Regulation and Development Strategy Conference. Cornell University. Nov. 7, 2003.
<http://www.einaudi.cornell.edu/conf/2003/gmopoverty/>

Non-profits and open space conservation symposium. Cornell University S.C. Johnson Graduate School of Business. April 23, 2003.

Knowledge systems. Panel presentation at Infrastructure and Conservation Seminar. Rural Livelihoods and Biological Resources Pre-dissertation Workshop. Cornell University. April 1, 2003.

Collective structures in natural resources management theory and practice. Social Capital and Civic Community Workshop. Cornell University and University of Turin. September 13-15, 2002.

Conference Presentations

Wang, P. S. Wolf, J. Lassoie, S. Morreale and S. Dong. Payments for Ecosystem Services as conservation and poverty alleviation mechanism in China. ACES and Ecosystem Markets 2012. Ft. Lauderdale, FL. Dec 10-12, 2012.

E.Primmer, E. Terama, and S.Wolf. Do conservation capabilities adjust to sociodemographic and ecological challenges? Scaling and Governance Conference: Towards a New Knowledge for Scale Sensitive Governance of Complex Systems. Wageningen University, Netherlands. November 10-12, 2010.

Gardner, J.G., L.E. Drinkwater, and S.A. Wolf. The dilemma of surplus nitrogen in Midwestern grain fields: Exploring opportunities for change using an interdisciplinary approach. Enhancing Communication in Cross-Disciplinary Research, sponsored by the National Science Foundation and the University of Idaho. Coeur d'Alene, Idaho, Sept. 30-Oct. 2, 2010.

Neugarten, R., S. Wolf and R. Stedman. Forest at work: a case study of conservation and sustainable forestry in the Northern Forest. Presentation for the 73rd Annual Meeting of the Rural Sociological Society, Atlanta, GA. August 12-15, 2010.

Wolf, S., Neugarten, R. and R. Stedman. Exploring hybridity in environmental governance through study of contemporary forest conservation in USA. Gothenburg RC-24 International Sociological Association Congress. Gothenburg, Sweden. July 12, 2010.

Wolf, S. and C. Potter. Markets for ecosystem services in agrienvironmental policy in USA and EU: A brave new world? Joint session of IRSA and ISA RC-40. International Sociological Association Congress. Gothenburg, Sweden. July 13, 2010.

Gardner, J.B., L.E. Drinkwater, and S.A. Wolf. 2010. A socioecological lens on nitrogen pollution of waterways: exploring farm-scale dynamics in the Mississippi River Basin. Association of American Geographers Annual Meeting, Washington, D.C., April 14-18, 2010.

Hufnagl-Eichiner, S., Steven Wolf, & Laurie Drinkwater. Assessing socio-ecological coupling: The case of hypoxia in the Gulf of Mexico. 104th Annual Meeting of the American Sociological Association. San Francisco, California. August 8-11, 2009.

Drinkwater, L. E., M. B. David, R. E. Galt, J. B. Gardner, S. Hufnagl-Eichiner, L. Marshall, S. Snapp, C. Tonitto, J. V. Westra, and S. A. Wolf. Hypoxia and the Mississippi River Basin as a model system: What can we learn about the social-ecological interface? 94th Meeting of the Ecological Society of America. Albuquerque, New Mexico. August 2-7, 2009.

Neugarten, R. S. Wolf and R. Stedman. Cutting the trees to save the forest: The Finch Pruyn working forest. Presentation for the 94th Annual Ecological Society of America Meeting, Albuquerque, New Mexico. August 7th, 2009.

Wolf, S. Toward specification of projectification and temporality in governance. European Society for Rural Sociology. Vaasa, Finland. August 2009.

Wolf, S. Toward a public environmental and natural resource sociology. Annual Meeting, Rural Sociological Society. Manchester, NH. July 2008.

Wolf, S. Allaire and Wolf reprise: Innovation dynamics in agrifood systems and opportunities for public scholarship. Sociology of Agrifood Research Interest Group miniconference. Annual Meeting, Rural Sociological Society. Manchester, NH. July 2008.

Wolf, S. Organizational and administrative forms for sustainable development: Comparative program of work in U.S. and E.U. QUCAN research consortium, Cornell University. June 2008.

Primmer E. and S. Wolf. Analysis of institutional and technical adaptation: biodiversity conservation capabilities of forestry organisations responding to social-ecological challenges. Long-Term Policies: Governing Social-Ecological Change 2008 Berlin Conference on the Human Dimensions of Global Environmental Change International Conference of the Social-Ecological Research Programme Berlin, 22-23 February 2008.

Hufnagl-Eichiner, S., Wolf, S. A. & L. E. Drinkwater. Evidence for ecological modernization? An analysis of the United States' federal research portfolio on farm nutrient management. German Environmental Sociology Summit Nov. 8-10, 2007. Lüneburg, Germany.

Wolf, S. Professionalization of U.S. agriculture: Toward accountability, adaptive capabilities and territorial development. Annual Meeting, Rural Sociological Society. Santa Clara, CA. August 2007.

Wolf, S. The sky is, indeed, falling: Carbon, carbon everywhere. Annual Meeting, Rural Sociological Society. Santa Clara, CA. August 2007.

Wolf, S. and E. Primmer. Between incentives and action: a pilot study of biodiversity conservation competencies for multifunctional forest management in Finland. Poster in the European Platform for Biodiversity Research Strategy Meeting: Actions for the 2010 biodiversity target in Europe- how does research contribute to halting the biodiversity loss? Helsinki, Finland. November 16-19, 2006.
http://www.epbrs.org/epbrs_next%20meeting.html

Primmer E. and S. Wolf. Between incentives and action: an assessment of biodiversity conservation competencies for forest management in Finland. A Network for Research on Governance for Sustainability workshop. Helsinki, Finland. Nov. 11, 2006.

Shapiro, D. and S. Wolf. Culinary agritourism and sustainable rural development. National Extension Tourism Conference. University of Vermont, Burlington, VT. Sept. 10-13, 2006.
<http://www.esf.edu/NET2006/>

Wolf, S. and L. Drinkwater. Understanding linkages between human systems and biogeochemical processes at multiple scales: Managing the nitrogen conservation cascade. Integrated Approaches for Agroecosystem Management in the 21st Century. Ecological Society of America. Memphis, TN. Aug 10, 2006.

Wolf, S., L. Buck, W. Anderson and S. Hufnagl-Eichiner. Multifunctionality, conservation enterprises and theories of innovation: A statistical analysis of NY maple syrup. Rural Sociological Society Annual Meeting. Louisville, KY. August 10-13, 2006.

S. Wolf. Construction and analysis of natural resource conservation competencies. Rural Sociological Society Annual Meeting. Louisville, KY. August 10-13, 2006.

Primmer, E. and S. Wolf. Development and testing of an institutional approach to forest policy and management. Poster presented at XIII World Forestry Congress Quebec City, Quebec, Canada. September 2003.

Wolf, S. Sociological and economic research on agricultural contracts. Paper presented at Rural Sociological Society/American Agricultural Economics Associations Joint Annual Meeting. Montreal, Quebec, Canada. August 2003.

Wolf, S. Forest and agricultural eco-certification as a process of innovation in extended networks. U.S. Society for Ecological Economics Annual Meeting. Saratoga, NY. May 2003.

Danks, C., S. Wolf, K. Fligger, and J. Klein. Institutional arrangements for working forests. Northern Forest Research Cooperative Conference. Nov. 13, 2003. Burlington, VT. <http://www.uvm.edu/snr/nsrc/>.

Wolf, S. Associational forestry in Finland. Forest owner cooperation: Balancing ecology and economics. Community Forestry Resource Center. Northampton, MA. Nov 2, 2002.

Wolf, S. Rethinking the role of professions in knowledge society, Leader of Track #5 of 4th Triple Helix Conference. Copenhagen, Denmark. November 2002.

Wolf, S. Institutional analysis of private forestry in the U.S. Chair, Researcher/Practitioner Panel, Rural Sociology Society Annual Meeting. Chicago, IL. August 2002.

Wolf, S. Environmental governance assessment: innovation in non-industrial forest management in Finland and USA. International Conference: Nature Conservation on Private Land. European Forestry Institute. Lahti, Finland. June 12-15, 2002.

Wolf, S. Evolution of U.S. agro-environmental policy: a knowledge-based perspective. Presentation at 9th International Symposium on Society and Resource Management. Bloomington, IN. June 2-5, 2002.

Hueth, B., E. Ligon and S. Wolf. Contracting practices in CA fruit and vegetable markets. Workshop on Contracting Practices in Agriculture, USDA-ERS. Washington, DC. May 23, 2000.

Wolf, S. Water resources and U.S. agriculture. Presented at 5th Université d'Été de l'Innovation Rurale. Marciac, France. Aug. 11, 1999.

Allaire, G. and S. Wolf. Governance in information system: Local-global linkages. Les Journees de la Proximité. Toulouse, France. May 19-20, 1999.

Wolf, S. and D. Zilberman. Agricultural information networks. Impact analysis and decision strategies for agricultural research, NC-208. Tucson, AZ. Feb. 26-27, 1999.

Hueth, B., E. Ligon, S. Wolf, and S. Wu. Contracts and quality management in produce markets. Food Distribution Research Society Conference. Monterey, CA. October 28, 1998.

Wolf, S. The impact of agriculture's industrialization on the environment, technology, and the rural community. American Agricultural Economic Association. Salt Lake City, UT. August 2-5, 1998.

Wolf, S., P. Nowak, R. McCallister. Methodological and institutional barriers to farm practices assessment. IPM Data Needs Assessment Panel, Third National IPM Symposium/USDA-ERS Methodological Workshop. March 1996.

TEACHING

Environmental Governance Institutional analysis and modern historical survey of the status of state, market and community in environmental policy. Separate graduate section	2002 - present
Sustainability Science (co-instructor with Tim Fahey/Rachel Bezner-Kerr) Practicum targeting socioecological problems designed to advance analytical and critical reasoning competencies	2014-present
Nilgiris Field Learning Center, India semester abroad (http://blogs.cornell.edu/nflc/) Community engaged education and research on sustainable development	2014-present
Ecosystem Services and Green Economy: A Critical Analysis Seminar devoted to interdisciplinary survey of derivations, techniques and implications of the emergence of the ecosystem services concept	2013-2015
Environmental Economics and Policy (Imperial College) Co-convener of Option (with Clive Potter) in MSc in Environmental Technology	2009-2011
Graduate Seminar in Environmental Sociology Seminar focused on socioecological dynamics. Co-taught with Chuck Geisler, Department of Development Sociology	2008, 2012
Environmental Strategies Seminar and research practicum focused on critical analysis of market-based natural resource conservation and environmental management.	2003 – 2008
Environmental & Natural Resources Policy Processes Contributor to Washington, DC-based course on federal policy processes. Case studies on agricultural policy, Endangered Species Act, National Forest	2002 - 2008

administration, scientific integrity in policy processes and energy policy.

UNIVERSITY SERVICE

Committee Assignments, Cornell University

Cornell University, Campus Planning Committee, Chair, 2012 –
 Cornell University, Provost's Capital Planning Group, 2015-
 Cornell University, Atkinson Center for a Sustainable Future, Faculty Advisory Board 2016-
 Cornell University, Einaudi Center for International Studies, Program on Governance, Nature and
 Development. Co-Director (with Ron Herring, Government), 2003-2009
 Cornell ad hoc committee on socially responsible investment of the Cornell endowment, 2008-2011
 Cornell Faculty Steering Committee, Community and Rural Development Institute, 2006-2009
 Cornell Faculty Senate ad hoc committee on University Strategic Corporate Alliances, 2004
 Cross-college Environmental Sciences and Sustainability Education Committee, 2016
 Environmental Sciences and Sustainability (ESS), Curriculum Committee, 2013-
 ESS Environmental Policy and Governance Concentration, Curriculum Committee, Chair, 2013-2015
 Cornell University Atkinson Center for a Sustainable Future, Faculty Advisory Board, 2015-present
 Natural Resources, Seminar Committee, Chair, 2004-05, 2006-2007, 2012-2013
 Natural Resources, Display Committee, Chair, 2012-2016
 Natural Resources, Graduate Admissions Committee, 2007-2009, 2012, 2013, 2014
 Natural Resources, Teaching and Curriculum Committee, 2002-2009
 Natural Resources, Sustainability Committee, Chair, 2008-2009
 Development Sociology, Graduate Admission Committee, 2012-2014
 Biology and Society faculty, 2003-present
 Biology and Society, Curriculum and Policy Committee, 2005-2008

International Collaborations

Cornell-Keystone Field Learning Center, Kotagiri, India, 2012-
 Visiting Research Fellow, Swedish School of Social Science, Univ. of Helsinki. 2017 - 2020
 Visiting Professor, Environmental Policy, University of Helsinki, June 2016-June 2017
 Adjunct Faculty, Centre for Environmental Policy, Imperial College, London, 2014-2016
 Visiting Researcher, Finnish Environment Institute, Policy Instruments Division, 2004-2011
 Trans-Atlantic Rural Research Network, 2007-
 International Research Advisory Board, Requalifying matter: Nutrient recycling, pollution control and the
 shifting economies of fertilisation (QUMARE). Academy of Finland. Helena Valve, PI., 2015-
 2018

Editorships and Editorial Boards

Editorial Board, Agriculture and Human Values, 2005-present
 Editorial Board, Environmental Policy and Governance, 2008 - present
 Associate Editor, Journal of Natural Resources Policy Research, 2007-2011
 Editorial Board, Rural Sociology, 2007-2011

Professional Society Leadership Positions

International Sociological Association (ISA), Research Committee on Agriculture and Foo (RC-40),
 Executive Council, 2014-2016.
 Natural Resources Research Group, Chair, Rural Sociological Society, 2006-2008.
 Rural Sociological Society, Publications Committee, 2007-2010.

Reviewer

Agriculture and Human Values
 Agronomy for Sustainable Development
 Antipode
 Cambridge University Press
 Canadian Journal of Forestry
 Conservation Biology
 Dartmouth College
 Earthscan from Routledge (Taylor & Francis)
 Ecological Economics
 Ecosystem Services
 Energy Policy
 Environmental Biosafety Review
 Environment, Development and Sustainability
 Environmental Management
 Environmental Policy and Governance
 European Union, DG Research and Innovation, Biodiversity and Sustainability panel
 Forest Policy and Economics
 Frontiers in Ecology
 Geoforum
 Geografisk Tidsskrift-Danish Journal of Geography
 Global Environmental Change
 Journal of Cleaner Production
 Journal of Ecosystem Services
 Journal of Environmental Management
 Journal of Rural Studies
 Journal of Soil and Water Conservation
 Landscape and Urban Planning
 Local Environment
 National Science Foundation, Program on Science & Technology Studies
 Oxford University Press
 Research Policy
 The Review of Agricultural Economics
 Routledge Publishers, Environment & Sustainability and Development Studies
 Rural Sociology
 Rural Studies
 Policy Sciences
 Social Sciences and Humanities Research Council of Canada
 Society and Natural Resources
 Sustainability
 Sustainability: Science, Practice, & Policy
 University of Florida, Department of Sociology
 Wiley Publishers