CURRICULUM VITAE

**Alexandra Paige Fischer**

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**POSITIONS HELD**

University of Michigan, School School for Environment and Sustainability (formerly School of Natural Resources and Environment), Ann Arbor, Michigan, Assistant Professor, September 2014 – present

USDA Forest Service, Pacific Northwest Research Station, Corvallis, Oregon, Research Social Scientist, January 2009 – August 2014

Oregon State University, Department of Forest Ecosystems and Society (formerly Department of Forest Resources), Corvallis, Oregon, Faculty Research Associate, January 2007 – December 2009

Pacific Environment, Oakland, California, Program Director, September 1996 – July 2001

**EDUCATION**

Ph.D. Forest Resources (social science), Oregon State University, 2006

M.S. Forest Resources (social science), Oregon State University, 2003

Fulbright Scholar, University of Peradeniya, Sri Lanka, 1994 – 1996

B.A. Cultural Anthropology, Hampshire College, 1994

**HONORS AND AWARDS**

USDA Forest Service Pacific Northwest Research StationScience Findings Award to reward and feature excellent research in Science Findings, September 2016.

Science and Practice in Ecology & Society Award nomination manuscript, “A boundary spanning organization for transdisciplinary science on land stewardship: The Stewardship Network of Ann Arbor,” Foundation for Scientific Symbiosis, 2015.

National Science Foundation Coupled Human and Natural Systems Fellowship recognizing outstanding junior scholars at the 2012 Fall Meeting of the American Geophysical Union, May 2012.

USDA Forest Service Pacific Northwest Research Station Science Findings Award to reward and feature excellent research in Science Findings, April 2012.

Oregon State University Alumnus of the Year Award for making outstanding professional achievements and ongoing contributions to the profession and programs of the College of Forestry, May 2011.

Ford Foundation Community Forestry Research Fellowship to conduct participatory Ph.D. research on conservation policy development for oak woodland and savanna on family forestland in Oregon’s Willamette Valley, September 2004 – August 2005.

Starker Fellowship in Private and Family Forestry to support a graduate research assistantship in the Department of Forest Resources, Oregon State University (full tuition remission and .49 FTE compensation package), September 2001 – December 2006.

Fulbright Scholarship, Sri Lanka, to conduct ethnographic research on the relationship between Buddhist nationalism, natural resource policy and village-level forest management in Sri Lanka, October 1994 – April 1996.

**PUBLICATIONS**

**Refereed Journal Articles**

33. Bodin, Ö., S.M. Alexander, J. Baggio, M.L. Barnes, R. Berardo, G.S. Cumming, L. Dee, Fischer, **A.P. Fischer,** M. Mancilla-Garcia, A. Guerrero, J. Hileman, K. Ingold, P. Matous, T.H. Morrison, D. Nohrstedt, J. Pittman, G. Robins, J. Sayles. (In press). Improving network approaches to the study of complex social-ecological interdependencies. *Nature Sustainability*.

32. Sayles, J., M. Mancilla Garcia, M. Hamilton, S. Alexander, J. Baggio, **A.P. Fischer,** K. Ingold, G. Meredith, J. Pittman. (In press). Social-ecological network analysis for sustainability sciences: a systematic review and innovative research agenda for the future. *Environmental Research Letters*.

31. **Fischer, A.P.**  (In press). Characterizing behavioral adaptation to climate change in temperate forests. *Landscape and Urban Planning*. <https://doi.org/10.1016/j.landurbplan.2018.09.024>

30. **Fischer, A.P**., A. Klooster, L. Cirhigiri. (In press). Cooperation across property boundaries to manage forest landscapes: collective action and social exchange among individual landowners. *Landscape and Urban Planning*. <https://doi.org/10.1016/j.landurbplan.2018.02.004>

29. **Fischer, A. P.** (2019). Adapting and coping with climate change in temperate forests. *Global Environmental Change, 54*, 160-171. doi:<https://doi.org/10.1016/j.gloenvcha.2018.10.011>

28. Hamilton, M., **Fischer, A. P.**, & Ager, A. (2019). A social-ecological network approach for understanding wildfire risk governance. *Global Environmental Change, 54*, 113-123. doi:<https://doi.org/10.1016/j.gloenvcha.2018.11.007>

27. Hamilton, M. **A.P. Fischer**, S. Guikema and G. Keppel-Aleks. (2018). Behavioral adaptation to climate change in fire-prone forests. *Wires Climate Change , 9*(6), e553. <https://doi.org/10.1002/wcc.553>

26. **Fischer, A.P.** Forest landscapes as socioecological systems (2018). *Landscape and Urban Planning*. 177: 138-147. <https://doi.org/10.1016/j.landurbplan.2018.05.001>

25. **Fischer, A.P.** (2018) Pathways of adaptation to external stressors: implications for climate change in coastal natural resource-dependent communities. *World Development*.108: 235-248. <https://doi.org/10.1016/j.worlddev.2017.12.007>

24. **Fischer, A. P.** and Frazier, T. G. (2018). Social vulnerability to climate change in temperate forest areas: incorporating new measures of exposure, sensitivity, and adaptive capacity. *Annals of the American Association of Geographers*. 108(3): 658-678. <https://doi.org/10.1080/24694452.2017.1387046>

23. Kline, J.D., E.M. White, **A.P. Fischer**, M. Steen-Adams, S. Charnley, C. Olsen, T.A. Spies, and J.D. Bailey. (2017). Integrating social science into empirical models of coupled human and natural systems. *Ecology and Society* 22(3): 25. <https://doi.org/10.5751/ES-09329-220325>

22. **Fischer, A. P.,** & Jasny, L. (2017). Capacity to adapt to environmental change: evidence from a network of organizations concerned with increasing wildfire risk. *Ecology and Society, 22(1):23.* <https://doi.org/10.5751/ES-08867-220123>

21. **Fischer, A. P.,** Spies, T. A., Steelman, T. A., Moseley, C., Johnson, B. R., Bailey, J. D., Ager, A. A., Bourgeron, P., Charnley, S., Collins, B. M., Kline, J. D., Leahy, J. E., Littell, J. S., Millington, J. D. A., Nielsen-Pincus, M., Olsen, C. S., Paveglio, T. B., Roos, C. I., Steen-Adams, M. M., Stevens, F. R., Vukomanovic, J., White, E. M., & Bowman, D. M. J. S. (2016). Wildfire risk as a socio-ecological pathology. *Frontiers of Ecology and the Environment, 14*(5), 1-9. <https://doi:10.1002/fee.1283>

20. **Fischer, A. P.**, Vance-Borland, K., Jasny, L., Grimm, K. E., & Charnley, S. (2016). A network approach to assessing social capacity for landscape planning: the case of fire-prone forests in Oregon, USA. *Landscape and Urban Planning, 147*, 18-27. doi:10.1016/j.landurbplan.2015.10.006

19. **Fischer, A.P. (**2015). A boundary-spanning organization for transdisciplinary science on land stewardship: The Stewardship Network. *Ecology and Society, 20*(4). doi: 10.5751/ES-08121-200438.

18. Ager A. A., Kline J. D., & **Fischer A. P**. (2015). Coupling the biophysical and social dimensions of wildfire risk to improve wildfire mitigation planning. *Risk Analysis, 35,* 1393-1406. doi: 10.1111/risa.12373

17. Paveglio, T. B., Moseley C., Carroll M. S., Williams D. R., Davis, E. J., & **Fischer, A. P**. (2014). Categorizing the social context of the wildland urban interface: adaptive capacity for wildfire and community ‘archetypes’. *Forest Science, 61*(2), 298-310. doi:10.5849/forsci.14-036

16. Olsen, C., Mazzotta, D., Toman, E., & **Fischer, A. P**. (2014). Communicating about smoke from wildland fire: challenges and opportunities for managers. *Environmental Management, 54*(3), 571-582.

15. **Fischer, A. P.,** Vance-Borland, K., Burnett, K. M., Hummel, S., Creighton, J. H., Johnson, S. L., & Jasny, L. (2014). Does the social capital in networks of fish and fire scientists and managers suggest learning? *Society & Natural Resources, 27*(7), 671-688.

14. Spies, T. A., White, E. M., Kline, J. D., **Fischer, A. P.,** Ager, A., Bailey, J., Bolte, J., Koch, J., Platt, E., Olsen, C. S., Jacobs, D., Shindler, B., Steen-Adams, M. M., & Hammer, R. (2014). Examining fire-prone forest landscapes as coupled human and natural systems. *Ecology and Society, 19*(3).

13. **Fischer, A. P.**, Kline, J. D., Ager, A., Charnley, S. & Olsen, K. (2013). Objective and perceived wildfire risk and their influence on private forest owners’ fuel treatment activities in Oregon’s ponderosa pine region. *International Journal of Wildland Fire, 22*(8), 143-153.

12. **Fischer, A. P.,** Paveglio, T., Carroll, M., Murphy, D. & Brenkert-Smith, H. (2013). Assessing social vulnerability to climate change in human communities near public forests and grasslands: a framework for resource managers and planners. *Journal of Forestry, 111*(5), 357-365.

11. **Fischer, A. P.**, Korejwa, A., Koch, J., Spies, T. A., Olsen, C. S., White, E. M., & Jacobs, D. (2013). Using an agent-based social network model to investigate interactions between social and ecological systems: early reflections on the Forest, People, Fire project. *Practicing Anthropology, 35*(1), 8-13.

10. **Fischer, A. P.**, Kline, J. D., Charnley, S., & Olsen, C. S. (2012). Identifying policy target groups with qualitative and quantitative methods: the case of wildfire risk on nonindustrial private forest lands. *Journal of Forest Policy and Economics, 25*, 62-71.

9. **Fischer, A. P.,** & Charnley, S. (2012). Risk and cooperation: reducing hazardous fuels on private forest lands in eastern Oregon. *Environmental Management, 49*(6), 1192-1207.

8. **Fischer, A. P.,** & Charnley, S. (2012). Private forest owners and invasive plants in Oregon: risk perception and management. *Invasive Plant Science and Management, 5*(3), 375-398.

**7. Fischer, A. P.** (2011). Reducing hazardous fuels on nonindustrial private forests: factors influencing landowner decisions. *Journal of Forestry, 109*(5), 260-266.

6. **Fischer, A. P.**, Bliss, J., Ingemarson, F., Lidestav, G., & Lönnstedt, L. (2010). From the small woodland problem to ecosocial systems: the evolution of social research on small-scale forestry in Sweden and the USA. *Scandinavian Journal of Forest Research, 25*(4), 390-398.

5. **Fischer, A. P.,** & Charnley, S. (2010). Social and cultural influences on management for carbon sequestration on U.S. family forestlands: a literature synthesis. *International Journal of Forestry Research,* *14*.

4. **Fischer, A. P.** & Bliss, J. C. (2009). Framing conservation on private lands: conserving oak in Oregon's Willamette Valley. *Society and Natural Resources, 22*(10), 884-900.

3. **Fischer, A. P.** & Bliss, J. C. (2008). Behavioral assumptions of conservation policy: conserving oak habitat on family forestland in the Willamette Valley, Oregon. *Conservation Biology, 22*(2), 275-283.

2. Charnley, S., **Fischer, A. P.,** & Jones, E. T. (2007). Integrating traditional and local ecological knowledge into forest biodiversity conservation in the Pacific Northwest. *Forest Ecology and Management, 246*, 14–28.

1. **Fischer, A. P.** & Bliss, J. C. (2006). Mental and biophysical terrains of biodiversity: conservation of oak woodland on family forests. *Society and Natural Resources, 19*(7), 625-643.

**Books and Book Chapters**

2. Flitcroft,R., Cerveny, L., Bormann, B.,Smith, J.,Asah, S., & **Fischer, A. P**. (2017). From involvement to participation, the emergence of watershed and forest collaboratives. Chapter 9. In Olson, D., & VanHorne, B. (Eds.), *People, Forests, and Change: Lessons from the Pacific Northwest (116-133)*. Washington D.C.: Island Press.

1. Bliss, J. C. & **Fischer, A. P.** (2011). Toward a political ecology of ecosystem restoration. In Egan, D. J., Hjerpe, E., & Abrams, J. (Eds.), *Integrating Nature and Culture: Exploring the Human Dimensions of Ecological Restoration (136-148)*. Washington D.C.: Island Press.

**Other Refereed Publications**

4. Kline, J. D., Ager, A. A. and **Fischer, A. P.** (2016). A conceptual framework for coupling the biophysical and social dimensions of wildfire to improve fireshed planning and risk mitigation. In *Proceedings of the 13th International Wildland Fire Safety Summit & 4th Human Dimensions of Wildland Fire Conference,* April 20-24, 2015, Boise, Idaho, USA Published by the International Association of Wildland Fire, Missoula, Montana, USA, 204 pp.

3. Hummel, S., **Fischer, A. P.**, Lowell, E., & Lehmkuhl, J. (2015). Social trends affecting successful implementation of forest restoration guidelines. In *Silviculture and monitoring guidelines for integrating restoration of dry mixed-conifer forest and spotted owl habitat management in the Eastern Cascade range*, Gen. Tech. Rep. PNW-GTR-915. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR. 158 pp.

2. **Fischer, A. P.,** & Bliss, J. C. (2006). Oak in the Valley: A case study of private forest conservation in the United States. In *Proceedings of the IUFRO 3.08 Small-scale Forestry International Symposium: Small-scale Forestry and Rural Development: The Intersection of Ecosystems, Economics and Society*, June 18-23, 2006, Galway, Ireland.

1. Charnley, S., **Fischer, A. P.** & Jones, E. T. (2008). Traditional and local ecological knowledge about forest biodiversity in the Pacific Northwest. Gen. Tech. Rep. PNW-GTR-751. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 52 pp.

**Other Published Materials**

4. **Fischer, A.P.** Good neighbors working across fences to solve landscape-scale problems. Northwest Woodlands. *Northwest Woodlands*, 34(4), 5pp.

3. Koch, G., Ager, A., Kline, J., & **Fischer, A. P**. (2016). Polishing the prism: improving wildfire mitigation planning by coupling landscape and social dimensions. *Science Findings*, Issue 189, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR.

2. O’Callaghan, J., **Fischer, A. P.** & Charnley, S. (2012). Managing wildfire risk in fire-prone landscapes: how are private landowners contributing? *Science Findings,* Issue 154, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR.

1. **Fischer, A. P.** (2005). Listening to landowners: conservation case studies from Oregon's Willamette Valley. West Linn, OR, Defenders of Wildlife: 39 p.

**RESEARCH FUNDING**

**Current Grants**

10. Improving Frameworks for Assessing Social Vulnerability to Climate Change in Temperate Forest Regions: New Indicators of Adaptive Capacity. Catalyst Grant. University of Michigan Graham Sustainability Institute. $10,000. 2019. P.I. with Wayne Baker, University of Michigan, Ross School of Business.

9. Impacts of Socio-Ecological Adaptation to Global Change on Forests Ecosystems. USDA National Institute of Food and Agriculture, McIntire Stennis project 1011135. $138,550. 2018-2020. P.I., with Inés Ibáñez, University of Michigan, School for Environment and Sustainability.

8. Factors in Forest Management to Protect Carbon Sinks on Private Forestland in the Great Lakes Region. University of Michigan Energy Institute. $20,000. 2017-2018. P.I. with Bill Currie, University of Michigan, School of Natural Resources and Environment.

7. Modeling Socio-ecological Adaptation to Climate Change in Temperate Forests. Catalyst Grant. University of Michigan Graham Sustainability Institute. $10,000. 2017. P.I., with Seth Guikema, University of Michigan, Department of Industrial and Operations Engineering, and Gretchen Keppel-Aleks, University of Michigan, Department of Climate and Space Sciences and Engineering, and Bill Currie, University of Michigan, School of Natural Resources and Environment.

6. Human Adaptation to Climate Change and Effects on Upper Midwest Forests. USDA National Institute of Food and Agriculture, McIntire Stennis project 1011135. $140,000. 2016-2018. P.I., with Bill Currie, University of Michigan, School of Natural Resources and Environment.

5. Human Adaptation to Climate Change in Forest Ecosystems. University of Michigan, MCubed Program. $60,000. 2016-2017. P.I. with Seth Guikema, University of Michigan, Department of Industrial and Operations Engineering, and Gretchen Keppel-Aleks, University of Michigan, Department of Climate and Space Sciences and Engineering.

4. Assessing the Potential to Protect and Enhance Carbon Sinks on Nonindustrial Private Forestland in the Northern Great Lakes Region. University of Michigan Energy Institute. $20,000. 2016-2017. P.I. with Bill Currie, University of Michigan, School of Natural Resources and Environment.

3. Scientific Knowledge Networks for Natural Resource Management: Forest Service Rocky Mountain Research Station scientists, managers and stakeholders, USDA Forest Service Rocky Mountain Research Station. $44,542. 2016-2021, P.I.

2. Understanding the Wildfire Risk Perceptions and Mitigation Practices of Nonindustrial Private Forest Owners: A Proposal for Research in the Lake States of Minnesota, Wisconsin and Michigan. USDA Forest Service Northern Research Station. $52,000. 2015-2020. P.I.

1. Private Forest Landowner Collaboration for Restoring Fire-Prone Forests in the US West. USDA Forest Service Pacific Northwest Research Station. $106,486. 2014–2020. P.I.

**Completed Grants**

9. Linking social and ecological embeddedness, wildfire risk, and collective action. NSF SBE-1715053. $69,000. PI: M. Hamilton. Co-PI: Fischer, 08/2017 to 07/2019).

8. Coastal Community Resilience. Oregon Department of Fish and Wildlife. $24,485. 2015-2016. P.I.

7. Fostering Healthy Forests in Mixed Ownership Landscapes: Social Constraints and Opportunities for Management across Property Boundaries by Private Owners. USDA National Institute of Food and Agriculture, McIntire Stennis project 1003473. $55,000. 2014–2016. P.I.

6. Forest Governance, Social Networks and Landscape Dynamics in the Western Cascades. National Science Foundation, Long-Term Ecological Research at the H.J. Andrews Experimental Forest (LTER7). $6,762,000. 2014–2020. PI: Nelson, M., Oregon State University.

5. The Coupled Human and Natural Systems Concept as a Basis for Evaluating Sustainability and Adaptation in Fire-Prone Landscapes. USDA Forest Service, PNW Focus Area. $75,000. 2012. PI: Spies, T., Co-PIs: Charnley, S., Fischer, A. P., & Kline, J. D.

4. Social Networks for the Communication of Information and Knowledge among Federal Fish and Fire Scientists and Managers. USDA Forest Service. $170,000. 2010. PI: Burnett, K., C-PIs: Fischer, A. P., Hummel, S. Sherri Johnson, Vance-Borland, K., & Creigton, J.

3. Coupled Natural and Human Systems in Fire‐Prone Landscapes: Interactions, Dynamics, and Adaptation (Forest, People, Fire). National Science Foundation. $1,499,950. 2010. PI: Spies, T. & Bolte, J.

2. Traditional Ecological Knowledge and Management of Biodiversity. USDA Forest Service Pacific Northwest Research Station. 2005. (Research contract).

1. Listening to Landowners: Conservation Case Studies from Oregon’s Willamette Valley. Defenders of Wildlife. 2004. (Research contract).

**Formal Collaborations**

3. Assessment of Socio-Economic Vulnerability to Climate-Related Changes in Forests and Grasslands in the U.S. Northwest funded by USDA Forest Service Region 6 and Western Wildland Environmental Threat Assessment Center, 2012-present. Co-PI with Michael Hand, USDA Forest Service Rocky Mountain Research Station.

2. Understanding the Roles of Socioeconomic Vulnerability, Adaptive Capacity, and Mitigation in Determining Economic Impacts of Wildfire, funded by the National Institute of Food and Agriculture, 2012. Co-collaborator with C. Moseley and others.

1. Examining the Influence and Effectiveness of Communication Programs and Community Partnerships on Public Perceptions of Smoke Management: A Multi-Region Analysis, funded by the Joint Fire Science Program, 2010. Co-collaborator with E. Toman and C.S. Olsen.

**SCHOLARLY PRESENTATIONS**

**Invited Talks**

30. Addressing Scale Mismatches through Coordinated Land Management across Ownership Boundaries, *Kent State University Department of Geography Speaker Series*, January 26, 2018.

29. Coevolution in socio-ecological networks: Evaluating socio-ecological connectivity in fire-prone forests and implications for management. Workshop on Socio-Ecological Networks, Stockholm Resilience Center, Stockholm, Sweden, August 19, 2017.

28. Addressing Scale Mismatches through Coordinated Land Management across Ownership Boundaries, *Central Michigan University Department of Geography Speaker Series*, March 21, 2017.

27. Good fences, good neighbors? Coordination across property boundaries among private land owners, *Lake States Fire Science Consortium Webinar Series*, October 20, 2016.

26. Networks and their Use to Facilitate Organizational Learning and Improving Natural Resource Governance. *USDA Forest Service National Leadership Council* meeting, May 17, 2016, Salt Lake City, UT.

25. Understanding Socio-ecological Sustainability through Study of Human Adaptation Behavior. *5th Annual Graduate Student Research Symposium*, Department of ForestryMichigan State University, February 11, 2016. East Lansing, MI.

24. Addressing Natural Resource Management Challenges using a Social Network Approach: The Case of Fish in Fire-Prone Landscapes in the US Pacific Northwest. *Department of Forestry Graduate Seminar Series, Purdue University*, October 27, 2015. West Lafayette, ID.

23. Addressing Natural Resource Management Challenges using a Social Network Approach: The Case of Fish in Fire-Prone Landscapes in the US Pacific Northwest. Invited webinar for the *Applied Conservation Network Analysis Community of Practice Webinar Series,* The Conservation Planning Institute, October 7, 2015.

22. Addressing Fish and Wildlife Management Challenges using a Social Network Approach: The Case of Fish in Fire-Prone Landscapes in the US Pacific Northwest. *Department of Fisheries and Wildlife Seminar*, Michigan State University, March 18, 2015, East Lansing, MI.

21. Beyond Boundaries: Social Challenges and Opportunities in Forest Landscape Management. *Oregon State University College of Forestry Starker Lecture Series*, April 24, 2014, Corvallis, OR.

20. Risk and Cooperation: Restoring Fire-Prone Forests in Mixed-Ownership Landscapes. Department of Conservation Social Sciences, University of Idaho, December 10, 2013, Moscow, ID.

19. Understanding Socio-ecological Sustainability through the Study of Human Adaptation Behavior. School of Natural Resources and Environment, University of Michigan, November 21, 2013, Ann Arbor, MI.

18. Adaptive Capacity Within a Network of Organizations Responding to Wildfire Risk. Department of Environmental Science and Management, Portland State University, May 13, 2013, Portland, OR.

17. Community Social Networks in Natural Resource Contexts. *Willamette National Forest and Central Cascades Adaptive Management Partnership Workshop on Natural Resource Issues and the Public*, May 7, 2013, Springfield, OR.

16. Assessing Social Vulnerability to Climate Change in Public Forest and Grassland Conexts. *Oregon Climate Change Research Institution and the Oregon State University Environmental Humanities Initiative Spring Seminar Series*, April 25, 2013, Corvallis OR.

15. Risk and Cooperation: Social Challenges to Restoring the Fire-Prone Ponderosa Pine Ecotype on Private Land. *Oregon Board of Forestry, Committee for Family Forestlands*, April 17, 2013, Salem, OR.

14. Private Forest Owners and Invasive Plants: Risk Perception and Management. *Annual Meeting of the Washington State Weed Coordinator’s Association*, March 15, 2013, Lake Chelan, WA.

13. Risk and Cooperation: Social Challenges to Restoring the Fire-prone Ponderosa Pine Ecotype on Private Land. *Oregon State University Plant Science Seminar Series*, January 24, 2013, Corvallis, OR.

12. Collaboration to Build Adaptive Capacity: Considerations for Process and Structure of Vulnerability Assessments. *Forest Community Vulnerability and Adaptive Capacity in the Context of Climate Change workshop*, University of Montana, November 2-4, 2011, Missoula, MT.

11. How Do Private Landowners Perveive and Address Wildfire and Invasive Plant Risks?: A Case Study of Oregon’s Ponderosa Pine Zone. *National Resource Conservation Service’s Oregon State office Lunch and Learn series*, November 3, 2011, Portland, OR.

10. Factors in the Mitigation of Fire Risk and Provision of Carbon Sequestration and other Ecoystem Services on Family Forestlands. *World Affairs Council*, May 11, 2010, Portland, OR.

9. Managing Fire Risk on Private Land: The Perspectives and Practices of Family Forest Owners in Eastern Oregon’s Ponderosa Pine Zone. *Meeting of the Klamath Lake Forest Health Partnership*, March 29, 2010, Klamath Falls, OR.

8. Wildland Fire and Family Forestlands in Eastern Oregon. *Rural Issues Seminar Series*, Department of Sociology and Department of Agricultural and Resource Economics, Oregon State University, February 27, 2008, Corvallis, OR.

7. Oak Conservation in Oregon’s Willamette Valley. *Achievement Rewards for College Scientists (ARCS) Foundation*, Oregon Garden, September 29, 2007, Silverton, OR.

6. Land Trusts and Landowners: Working Together to Conserve Threatened Habitats in the Willamette Valley. *Sustainable Forestry Partnership Discovery Seminar Series*, Oregon State University, April 19, 2006, Corvallis, OR (with J.C. Bliss and K. McCabe).

5. Family Forest Owners’ Conceptions of Biodiversity in the Oak Ecotype of Western Oregon: Implications for Policy and Future Research. *Oregon Oaks Communities Working Group*, February 17, 2005, Salem, OR.

4. Mental and Biophysical Terrains of Biodiversity: Conserving Oak on Family Forests. *U.S. Fish and Wildlife Service,* June 16, 2004, Portland, OR.

3. Family Forest Owners’ Conceptions of Biodiversity in the Oak Ecotype of Western Oregon. *Family Forestlands Advisory Committee of the* *Oregon Board of Forestry*, February 18, 2004, Salem, OR.

2. Family Forest Owners’ Conceptions of Biodiversity in the Oak Ecotype of Western Oregon. *Oregon Chapter of the Wildlife Society*, February 12, 2004, Bend, OR (Winner, Best Student Presentation).

1. Family Forests, At-Risk Plants and the Endangered Species Act, *Oregon State University Biodiversity Group Seminar Series,* April 21, 2003, Corvallis, OR.

**Conference Presentations**

52. Fischer, A.P. (April 2-7, 2019) Social-ecological Adaptation to Climate Change in Temperate Forests. Annual Meeting of the American Association of Geographers Washington DC.

51. Fischer, A.P. (September 26, 2018). Adaptation to Environmental Change among individual forest owners in the Northwoods. Great Lake Adaptation Forum, Ann Arbor, MI.

50. Fischer, A.P. (June 18-21, 2018). Defining Individual Adaptation to Climate Change: Insights from Family Forest Owners. International Symposium on Society and Resource Management, Snowbird, Utah.

49. Hamilton, M. A.P. Fischer, A. Ager. (May 21-24, 2018). Using Social-Ecological Networks to Assess Alignment of Risk Interdependence and Coordination Among Forest Managers in a Wildfire-Prone Ecosystem. AFE-IAWF Fire Continuum Conference, , Missoula, Montana

48. Fischer, A.P. (April 9-14, 2018). Defining Individual Climate Change Adaptation: Insights from Temperate Forest Landscapes. Annual Meeting of American Association of Geographers, New Orleans, LA

47. Hamilton, M., A. P. Fischer, A. Ager. (April 10-14, 2018). “Using social-ecological networks to assess alignment of risk interdependence and collaborative risk mitigation in a wildfire-prone ecosystem”. Annual Meeting of the American Association of Geographers, New Orleans, LA.

46. Hamilton, M., A. P. Fischer, A. Ager. (May 21-24, 2018). “Risk Interdependence and Alignment of Social and Ecological Networks in Fire-prone Forests”. Fire Continuum Conference, Missoula, MT.

45. Hamilton, M., A. P. Fischer, A. Ager. (March 26-29, 2018). “Network perspectives on risk assessment: insights from the Eastern Cascades, Oregon”. Cohesive Wildland Fire Management Strategy Workshop, Reno, NV.

44. Fischer, A.P. (August 20-23, 2017). Evaluating socio-ecological connectivity in fire-prone forests and implications for adaptive capacity. Resilience 2017, Stockholm Waterfront Congress Centre, Stockholm, Sweden.

43. Hamilton, M., A. P. Fischer, A. Ager. 2017. (June 14-17, 2017) “Institutional Fit and Wildfire Risk Governance”. Political Networks Conference, Columbus, OH.

42. Fischer, A. P. (May 17-19, 2017). Sustaining Forest Ecosystems Through Collective Management: Social Barriers and Facilitators to Cross-boundary Coordination on Landscape Scale. *Sustainability and Social Science Research Symposium*, University of Michigan, Ann Arbor, MI.

41. Hamilton, M. (presented) & Fischer, A. P. (April 5-9, 2017).Aligning scales of risk and response: Insights from wildfire management networks in the eastern Cascades, Oregon. *Annual Meeting of the American Association of Geographers*, Boston, MA.

40. Fischer, A. P. (April 5-9, 2017). Addressing Scale Mismatches through Coordinated Land Management across Ownership Boundaries. *Annual Meeting of the American Association of Geographers*, Boston, MA.

39. Fischer A. P., Klooster, A., & Cirhigiri, L. (presented). (December 2-5, 2016). Good Fences, Good Neighbors? Coordination across Property Boundaries among Private Land Owners. *Annual Meeting of Forests & Livelihoods: Assessment, Research, and Engagement (FLARE)*, University of Edinburgh, U.K.

38. Fischer A. P., Klooster, A., & Cirhigiri, L. (October 5-7, 2016). Adaptation to Climate Change through Cross-Boundary Cooperation on Forest Management. *Great Lakes Adaptation Forum*, Ann Arbor, MI.

37. Fischer A. P. & Frazier, T. (June 22-26, 2016). Assessing Social Vulnerability to Climate Change in Temperate Forest Areas: The Case of the Pacific Northwest, USA. *International Symposium for Society and Resource Management*, Houghton, MI.

36. Fischer A. P., Klooster, A., & Cirhigiri, L. (June 22-26, 2016). Good Fences, Good Neighbors? Coordination across Property Boundaries among Private Land Owners. *International Symposium for Society and Resource Management*, Houghton, MI.

35. Fischer A. P. & Frazier, T. (March 29-April 2, 2016). Extending a Social Vulnerability Assessment Framework from Natural Hazards to Climate Change: The Case of Forested Areas in the Pacific Northwest, USA. *Annual Meeting of the Association of American Geographers*, San Francisco, CA.

34. Frazier, T. & Fischer, A. P. (presented). (March 29-April 2, 2016). Merging Biophysical and Socioeconomic Indicators into a More Holistic Vulnerability Model: A Climate Change Driven Case Study of Oregon And Washington. *Annual Meeting of the Association of American Geographers*, San Francisco, CA.

33. Fischer A. P., Eggermont, T., Neuenfeldt, R., & Wondolleck, J. (February 9-11, 2016). Assessing the Adaptive Capacity of Coastal Communities to Respond to External Stressors. *Social Coast Forum*, Charleston, SC.

32. Fischer, A. P., & Jasny, L. (June 14-18, 2015). The Role of Organizational Networks in Landscape-Scale Planning And Management for Fire-Prone Forests. *International Symposium for Society and Resource Management*, Charleston, SC.

31. Hand, M., Fischer, A. P. (presented), Frazier, T., & Reber, J. (June 14-18, 2015). Socio-Economic Vulnerability to Climate-Related Changes in Forests and Grasslands in the U.S. Northwest. *International Symposium for Society and Resource Management*, Charleston, SC.

30. Fischer, A. P., Jasny, L., & Grimm, K. (April 20-16, 2015). Capacity to Adapt to Increasing Wildfire Risk in a Network Of Natural Resource Organizations. *Annual Meeting of the Association of American Geographers*, Chicago, IL.

29. Reber, J., Frazier, T., Fischer, A. P., & Hand, M. (April 20-16, 2015). Assessing Socioeconomic Vulnerability to Climate-Change-Impacts on Forest Ecosystems: A Case Study of the Pacific Northwest. *Annual Meeting of the Association of American Geographers*, Chicago, IL.

28. Kline, J. D., Ager, A. A., & Fischer, A. P. (April 20-24, 2015). A Conceptual Framework for Coupling the Biophysical and Social Dimensions of Wildfire to Improve Fireshed Planning and Risk Mitigation. *13th International Wildland Fire Safety Summit & 4th Human Dimensions of Wildland Fire Conference*, Boise, ID.

27. Fischer, A. P., & Brush, L. (January 15-16, 2016). Ecology & Society: Spanning Boundaries to Bring Transdisciplinary Science into Practice. *The Science, Practice & Art of Restoring Native Ecosystems*, East Lansing, MI.

26. Fischer, A. P. (August 4-7, 2014). A Social Network Approach to Understanding Fire-Prone Landscapes. *Coupled Human and Natural Systems in Fire-Prone Landscapes: Interconnections and Research Needs*, Bend, OR.

25. Fischer, A. P., Vance-Borland, K., Jasny, L., & Grimm, K. (April 8-12, 2014). Capacity to Adapt to Environmental Change in Governance Networks: A Case from a Fire-Prone Landscape in Oregon. *Annual Meeting of the Association of American Geographers*, Tampa, FL.

24. Fischer, A. P., Vance-Borland, K. (presented), Jasny, L., & Grimm, K. (April 7-10, 2014). Social Networks and the Management of Fire-Prone Landscapes. *Association for Fire Ecology Central Oregon Fire Science Symposium*, Bend, OR.

23. Fischer, A. P. (June 4-8, 2013). Adaptive Capacity within a Network of Organizations Responding to Wildfire Risk. *International Symposium for Society and Resource Management*, Estes Park, CO.

22. Kline, J. D. (presented), Fischer, A. P., & Ager, A. A. (April 14-18, 2013). Characterizing Private Landowners’ Fuel Reduction Activities for Coupled Systems Modeling in Oregon’s (USA) Ponderosa Pine Ecoregion. *28th Annual Landscape Ecology Symposium, US-International Association of Landscape Ecology*, Austin, TX.

21. Fischer, A. P. (September 24-27, 2012). Cross-Boundary Cooperation and Wildfire Risk: Private Landowners in Eastern Oregon. *International Union of Forest Research Organizations, Small Scale Forestry Conference*, Amherst, MA.

20. Fischer, A. P., & Vance-Borland, K. (April 17-19, 2012). Social Networks for the Communication of Science: The Federal Fish and Fire Scientist and Manager Network. *Third Human Dimensions of Widland Fire Conference*, Seattle, WA.

19. Bliss, J. C., & Fischer, A. P. (July 24-28, 2011). Climate Change, Forestland Tenure, and Vulnerability of Small-Scale Forestland Ownerships in the U.S. Pacific Northwest. *International Union of Forest Research Organizations, Small-scale Forestry Conference*, Freiburg, Germany.

18. Fischer, A. P., Spies, T., & Bolte, J. (June 4-8, 2011). Free Agents and Social Networkers: Modeling Individual Decision Making within Social Contexts in Fire Prone Ecosystems*. International Symposium for Society and Resource Management*, Madison, WI.

17. Fischer, A. P., Spies, T. A., & Bolte, J. (March 29-April 2, 2011). Modeling Socio-Ecological Adaptation in Fire-Prone Landscapes. *Society for Applied Anthropology,* Seattle, WA.

16. Fischer A. P. (April 26-29, 2010). Opportunities for Wildfire Risk Mitigation on Private Forest Lands: Identifying Policy Target Groups with Qualitative and Quantitative Methods. *Human Dimensions of Wildland Fire Conference*, San Antonio, TX.

15. Fischer, A. P. (2010). Risk Perception and Cross-Boundary Cooperation in Fire-Prone Ecosystems: Private Forest owners in Eastern Oregon. *International Symposium on Society and Resource Management*, Corpus Christi, TX.

14. Fischer, A. P. (June 7-11, 2009). Products and Services from the Management of Fire-Adapted Forests: The Perspectives and Practices of Family Forest Owners in Eastern Oregon. *IUFRO 3.08 Small Scale Forestry Symposium*, Morgantown, WV. (published abstract)

13. Fischer, A. P., Charnley, S., & Spies, T. A. (December 1-4, 2008). Managing Fire Risk Across Ownership Boundaries: Hazardous Fuels Reduction on Family Forest Lands in Oregon’s Ponderosa Pine Zone. *Association for Fire Ecology* and *California Association for Fire Ecology*, San Diego, CA.

12. Charnley, S., Fischer, A. P., & Spies, T. A. (July 11-17, 2008). Managing for Fire and Forest Biodiversity in the Pacific Northwest: A Comparison of Federal and Family Forest Lands. *22nd Annual Meeting of the Society for Conservation Biology*, Chattanooga, TN.

11. Fischer, A. P., & Charnley, S. (June 10-14, 2008). Fire Resilience and Biodiversity: Tensions in Family Forest Owners’ Ideas about Forest Conditions in Eastern Oregon. *14th International Symposium on Society and Resource Management*, Burlington, VT.

10. Bliss, J. C., Christofferson, N., Abrams, J., & Fischer, A. P. (April 21, 2008). Community Forestry Research Fellowships: Ten Year Assessment and Future Prospects. *Seventh* [*Biennial Conference on University Education in Natural Resources,*](http://ir.library.oregonstate.edu/dspace/handle/1957/7138)Corvallis, OR.

9. Fischer, A. P., & Charnley, S. (October 23-25, 2007). Managing Wildland Fire on Family Forestlands in Eastern Oregon. *Human Dimensions of Wildland Fire Conference*, Fort Collins, CO.

8. Fischer, A. P. (June 3-8, 2007). Private Forests, Public Policy: Conserving Oak in Oregon’s Willamette Valley. *12th International Symposium on Society and Resource Management*, Burnaby, British Columbia, Canada.

7. Fischer, A. P., McCabe, K., & Ahr, M. (March 24, 2007). Conservation Easements: A Tool for Private Forest Owners. *Seventeenth annual* *Oregon State University Extension Clackamus County Tree School*, Clackamus Community College, Oregon City, OR.

6. Novick, A., Mormon, D., Fischer, A. P., & Nelson, M. (September 15, 2006). Regulatory Disincentives and Conservation of Oregon White Oak. *Annual meeting of the* *Oregon Planning Institute*, University of Oregon, Eugene, OR.

5. Fischer, A. P., & Bliss, J. C. (June 18-23, 2006). Oak in the Valley: A Case Study of Private Forest Conservation in the United States. *IUFRO 3.08 Small Scale Forestry Symposium*, Galway, Ireland. (published proceedings)

4. Fischer, A. P. (September 9-13, 2005). From the Ground Up: Conservation of At-Risk Ecotypes Based on the Knowledge, Motivations and Capacities of Family Forest Owners. *Ford Foundation Community Forestry Fellowship Program Workshop*, Sonoma, CA.

3. Fischer, A. P. (September 9-13, 2004). From the Ground Up: Conservation of At-Risk Ecotypes Based on the Knowledge, Motivations and Capacities of Family Forest Owners. *Ford Foundation Community Forestry Fellowship Program Workshop*, Neshkoro, WI.

2. Fischer, A. P., & Bliss, J. C. (March 29-April 1, 2004). Mental and Biophysical Terrains of Biodiversity: Conserving Oak on Family Forests. *IUFRO 3.08 Small-scale Forestry Symposium*, Pullman, WA.

1. Fischer, A. P., & Bliss, J. C. (March 19-23, 2003). From The Ground Up: Non-Industrial Private Landowners’ Conceptions of Ecosystem Health. *Society for Applied Anthropology*, Portland, OR. (published abstract)

**Invited Class Presentations**

The Northwoods as a Social-ecological System and Implications for Management. Bill Currie’s Environ 305 Sustainability Issues in the Great Lakes Region class, University of Michigan, October 23, 2018.

Capacity to Adapt to Environmental Change in Governance Networks: A Case from Oregon’s Fire-prone Forest Landscape. Kenneth Frank’s Social Network Analysis Class, Michigan State University, March 18, 2015.

Methods for Investigating Capacity to Adapt to Environmental Change in a Governance Network. Michael Heaney’s Social Network Analysis Class, Department of Organizational Studies/Department of Political Science, University of Michigan, December 2, 2014.

Assessing Social Vulnerability to Climate Change in Public Lands Contexts. OSU Environmental Humanities Initiative, *Climate Change Brown Bag Lunch Series*, April 25, 2013.

Risk and cooperation: Social Challenges to Restoring the Ponderosa Pine Ecotype in Eastern Oregon. *Plant Science Seminar Series* hosted by the Departments of Botany and Plant Pathology, Crop and Soil Science, Horticulture, and Forest Ecosystems and Society, Oregon State University, Corvallis, Oregon, January 24, 2013.

Carbon sequestration on Family Forestlands. H. Gosnell’s graduate-level Ecosystem Services on Family Forestlands course, Oregon State University, Corvallis, Oregon, October 28, 2010.

Ecosystem Services and Family Forestlands: the Socio-cultural Context. J.C. Bliss and S. Duncan’s graduate-level Ecosystem Services on Private Forestlands course, Oregon State University, Corvallis, Oregon, September 28, 2009.

Management of Fire-adapted Forests: The Perspectives and Practices of Family Forest Owners in Eastern Oregon. *Department of Forest Ecosystems and Society Spring Seminar Series*, Oregon State University, Corvallis, OR, May 27, 2009.

Private Forests, Public Policy: Conserving Oak in Oregon’s Willamette Valley. B. Tilt’s graduate-level environmental anthropology class, Oregon State University, Corvallis, Oregon, January 20, 2007.

**TEACHING AND MENTORSHIP**

**Courses at University of Michigan**

**NRE 501: Social Vulnerability and Adaptation to Environmental Change.** This three-credit course introduces students to the concepts of social vulnerability and adaptation as well as frameworks for assessing vulnerability and adaptation at individual, community, and institutional levels. Students learn about methods and skills for analyzing human exposure, sensitivity and adaptive capacity, and evaluating vulnerability assessments. The focus is on climate change and related natural hazards relevant to coastal and inland areas of the US, including wildfire, drought, flooding, sea level rise and storm events.

**NRE 501: Stakeholder Network Analysis.** This 1.5 credit course introduces students to network approaches to investigating opportunities and constraints for natural resource planning and management. It provides students with an overview of social network theories and methods as well as hands-on experience applying social network analysis to answer natural resource management questions.

**NRE 501: Interview Methods.** This course introduces students to qualitative interviewing as a research strategy and practice. After reviewing some epistemological issues surrounding interviewing, students learn the art and practice of individual and focus group interviewing through classroom activities and field projects. The course follows a studio format in which students receive training on how to conduct interviews and engage in activities with classmates to provide feedback and solicit constructive criticism from one another.

**NRE 677: Qualitative Data Analysis.** This course introduces students to approaches, techniques, and skills for qualitative data analysis. The course follows a studio format in which students receive training on how to conduct qualitative data analysis by hand and with the aid of software, collaboratively analyze data, and engage in activities with classmates to compare findings and solicit constructive criticism from one another.

**Courses at Oregon State University**

**FS/GEO 599: Society, Natural Hazards and Environmental Change.** This graduate level course introduced students to the concepts of social vulnerability and adaptation to climate change and natural hazards in rural communities in the U.S.

**PS 502: Future Scenarios of Landscape Change: Methods and Theory**. This graduate level course introduced students to the theory and methods of scenario planning. The course also engaged students in the design and implimentation of a set of scenario planning workshops for the fire-prone socio-ecological systems of Central and South Central Oregon (co-instructor).

**FOR507/607: Coupled Natural Human Systems Methods: Agent-based modeling and Social Networks**. This graduate level course examined the challenges of modeling coupled human and natural systems, with a focus on using agent-based models and social network analysis, in conjunction with an organized seminar series as part of the course that brought experts on agent-based modeling and coupled natural human systems research from around the U.S. and Canada to Oregon State University campus (co-instructor).

**PROFESSIONAL SERVICE AND MEMBERSHIPS**

**National and International Service**

Board, Human Dimensions of Global Change Specialty Group, American Association of Geographers, April 2017 – present.

Executive Council, International Association of Society and Natural Resources, June 2016-present.

Scientific review committee, International Association for Society and Natural Resources, International Symposium on Society and Resource Management, 2015.

Associate Editor, Journal of Forestry, 2013 – 2015.

Associate Editor, Journal of Small-scale Forestry, 2013 –2015.

Social Science Advisor, H.J. Andrews Experimental Forest Long-Term Ecological Research Program, 2013 – 2014.

Scientific review committee, International Association for Society and Natural Resources, Student paper competition, International Symposium on Society and Resource Management, Estes Park, CO, 2013.

Scientific review committee, International Union of Forest Research Organizations, Small Scale Forestry Working Group, 2012.

Working group member. Social and Community Vulnerability and Adaptive Capacity to Climate Change, University of Montana and the USDA Forest Service Rocky Mountain Research Station, 2012 to present.

Journal article reviewer for *Annals of the American Association of Geographers, Environmental Modeling and Software, Ecology and Society*, *Global Environmental Change, Journal of Forestry*, *Journal of Small-scale Forestry*, *Landscape and Urban Planning*, *Nature Ecology and Evolution, PLoS ONE*, *Regional Environmental Change*, *Risk Analysis*, *Society and Natural Resources*, *Sustainability Science*, *Wires Climate Change,* and others.

**University of Michigan Service**

Faculty Transition Team, School for Environment and Sustainability, September 2016-May 2017

Chair, SNRE Behavior, Education and Communication Field of Study, January 2016-May 2016

Member, SNRE Faculty Assistant Research Associate search committee, winter 2015

Member, SNRE New School Transition Team, 2016-2017

Member, SNRE PhD application review committee, winter 2017

**PROFESSIONAL AFFILIATIONS**

International Association for Society and Natural Resources

Association of American Geographers

Society of American Foresters

Fulbright Association