

Stephanie E. Hampton

Center for Environmental Research, Education and Outreach
Washington State University
Pullman WA 99164-5825, USA
Email: s.hampton@wsu.edu
Twitter: @se_hampton
<http://cereo.wsu.edu/hampton-bio/>

POSITIONS HELD

Director, 2014-present, Center for Environmental Research, Education and Outreach, Washington State University.
Professor, 2014-present, School of the Environment, Washington State University.
Deputy Director, 2006-2013, National Center for Ecological Analysis & Synthesis, University of California, Santa Barbara.
Managing Director, 2013, Science for Nature and People, University of California, Santa Barbara.
Interim Director of Community Engagement and Education, 2009-2010, DataONE, University of California, Santa Barbara.
Adjunct Faculty, 2006-2013, University of Idaho, Department of Fish & Wildlife Resources.
Assistant Professor, 2004-2006, University of Idaho, Department of Fish & Wildlife Resources.
NSF Bioinformatics Postdoctoral Fellow, 2002-2004, University of Washington – Seattle.
Visiting Assistant Professor, 2001-2002, University of Nevada – Reno, Department of Biological Sciences.

EDUCATION

Ph.D., 2001, Dartmouth College, Department of Biological Sciences, Hanover, New Hampshire.
Advisor: John Gilbert
M.S., 1996, University of Nevada-Las Vegas, Department of Biological Sciences, Las Vegas, Nevada.
Advisor: Peter Starkweather
B.A., 1993, University of Kansas, Environmental Science, Lawrence, Kansas.
Advisor: Stanford Loeb

OTHER TRAINING

LEAD21: Leadership for the 21st Century, 2016-2017.
COMPASS Science Communication Training, 2007, 2009, 2015.

PROGRAMMATIC SUPPORT

National Science Foundation, 2015-2016. \$44,953 (Co-PI)
Workshop: Balancing Technological and Institutional Solutions within Food-Energy-Water Systems.
National Science Foundation, 2015-2017. \$360,000 (Co-PI)
MRI: Acquisition of an Integrated Data-Assisted Research and Training Scalable Storage System (IDARTs3) at Washington State University.
National Science Foundation, 2014-2017. \$49,990 (PI)
Planning Workshop: Increasing capacity for data-intensive research in environmental biology.
Ocean Conservancy, 2012-2014. \$340,676 (PI)
Marine Debris: Scale and Impact of Trash in Ocean Ecosystems.
National Science Foundation, 2012-2014. \$128,008 (Co-PI)
Toads, Roads, and Nodes: Collaborative Course-Based Research on the Landscape Ecology of Amphibian Populations.
National Science Foundation, 2011-2012. \$23,668 (PI)
An Undergraduate Network for Analyzing Plant Invasion in U.S. National Wildlife Refuges.
National Science Foundation and NOAA Fisheries (CAMEO Program), 2010-2012. \$41,559. (Co-PI)
CAMEO: Comparative Analyses of Natural and Human Influences on Coral Reef Community Structure, Diversity, and Resilience.
National Science Foundation. 2009-2014. \$3,257,846 to UCSB; \$19,999,742 total award (Co-PI)
DataONE: Observation Network for Earth.
The David and Lucile Packard Foundation, 2008-2012. \$1,981,368. (PI)
Knowledge and Capacity-Building to Support Ecosystem-Based Management.

- The Nature Conservancy, 2006-2012. \$ 460,950 (PI)
The Economic Impact of Non-Native Forest Pests and Pathogens in North America.
- The Gordon and Betty Moore Foundation, 2008-2011, \$96,953. (PI)
Finding common ground in marine conservation and management: a Distributed Graduate Seminar.
- NOAA Fisheries, 2007-2011. \$99,855 (PI)
Design and implementation guidance for a programmatic approach to Intensively Monitored Watersheds and similar large-scale management action experiments.
- National Science Foundation, 2005 – 2012. \$18,386,347 (Co-PI)
National Center for Ecological Analysis and Synthesis (NCEAS).

AQUATIC ECOLOGY RESEARCH SUPPORT

- National Science Foundation, 2014-2015. \$20,520 (PI)
Workshop: Ecology under lake ice.
- National Science Foundation, 2011-2015. \$347,437 (Co-PI)
Dimensions of Biodiversity: Lake Baikal responses to global change: the role of genetic, functional and taxonomic diversity in the plankton.
- National Science Foundation and NOAA Fisheries (CAMEO Program), 2009-2011. \$139,999. (Co-PI)
CAMEO: Building the Foundation: New statistical tools for analyzing community dynamics with applications to marine zooplankton.
- National Science Foundation, 2005-2006. \$40,000 (PI)
Disproportionate importance of edge habitat in deep oligotrophic lakes.
- National Center for Ecological Analysis and Synthesis, 2005-2006. (Co-PI)
Working Group: Examining 60 years of long-term plankton data from Lake Baikal, Siberia.
- National Park Service, 2005-2006. \$17,000 (PI)
Food web alterations by shoreline development in a large deep lake.
- U.S. Geological Survey, 2005 – 2007. \$20,000 (PI)
Seasonal variation in anthropogenic nutrient additions and food web response in a large deep lake (Lake Crescent, Olympic National Park).
- National Science Foundation Post-doctoral Fellowship in Biological Informatics, 2002 – 2004. \$100,000 (PI)
The effects of winter variability on biodiversity and community dynamics: analysis of long-term lake data.
- National Park Service, 2002 – 2003. \$9,000 (Co-PI)
Large lake monitoring and baseline food web assessment for Lake Crescent, Olympic National Park.
- National Science Foundation Dissertation Improvement Grant, 1999-2001. \$4,000
Habitat partitioning by notonectids: temporal patterns and the role of spatial complexity.

PUBLICATIONS

- Hampton, S.E., M.B. Jones, L.A. Wasser, M.P. Schildhauer, S.R. Supp, J. Brun, R.R. Hernandez, C. Boettiger, S.L. Collins, L.J. Gross, D.S. Fernandez, A. Budden, E.P. White, T.K. Teal, S.G. Labou, J.E. Aukema. 2017. Skills and knowledge for data-intensive environmental research. *BioScience*: in press.
- Baron, J.S., A. Specht, E. Garnier, P. Bishop, C.A. Campbell, F.W. Davis, B. Fady, D. Field, L.J. Gross, S.M. Guru, B.S. Halpern, S.E. Hampton, P.R. Leavitt, T.R. Meagher, J.N. Parker, R. Price, C.H. Rawson, A. Rodrigo, L.A. Sheble, M. Winter. 2017. Sustaining synthesis centers as critical research infrastructure. *BioScience*: in press.
- Meyer, M.F., S.E. Hampton, T. Ozersky, O.O. Rusanovskaya & K.H. Woo. 2017. Vulnerability of rotifers and copepod nauplii to predation by *Cyclops kolensis* (Crustacea, Copepoda) under varying temperatures in Lake Baikal, Siberia. *Hydrobiologia*: in press.
- Hampton, S.E. et al. (62 authors) 2017. Ecology under lake ice. *Ecology Letters* 20: 98-111. DOI: 10.1111/ele.12699.
- Hampton, S.E., B.S. Halpern, M. Winter, J.K. Balch, J.N. Parker, J.S. Baron, M.A. Palmer, M.P. Schildhauer, P. Bishop, T.R. Meagher, A. Specht. 2017. Best practices for virtual participation in meetings: experiences from synthesis centers. *Bulletin of the Ecological Society of America* 98: 57–63. doi:10.1002/bes2.1290.
- Jackson, S.T., C.S. Duke, S.E. Hampton, K.L. Jacobs, L.N. Joppa, K.S. Kassam, H.A. Mooney, L.A. Ogden, M. Ruckelshaus, J.F. Shogren. 2016. Policy Forum: Toward a national, sustained U.S. ecosystem assessment. *Science* 354:838-839.

- Williams, J.J., M. Beutel, A. Nurse, B. Moore, S.E. Hampton, J.E. Saros. 2016. Phytoplankton responses to nitrogen enrichment in Pacific Northwest, USA Mountain Lakes. *Hydrobiologia* 776: 261–276.
- Powers, S.M., and S.E. Hampton. 2016. Winter limnology as a new frontier. *Limnology and Oceanography Bulletin* 25(4): 103–108.
- Joppa, L.N., Boyd, J.W., Duke, C.S., Hampton, S., Jackson, S.T., Jacobs, K.L., Kassam, K.S., Mooney, H.A., Ogden, L.A., Ruckelshaus, M., and Shogren, J.F. 2016. Government: Plan for ecosystem services. *Science*, 351, 1037–1037.
- Izmet'eva, L.R., M.V. Moore, S.E. Hampton, C. J. Ferwerda, D.K. Gray, K.H. Woo, H. V. Pislegina, L. S. Krashchuk, S. V. Simaraeva, E.A. Silow. 2016. Lake-wide physical and biological trends associated with warming in Lake Baikal. *J. Great Lakes Research* 42: 6-17.
- O'Reilly, C.M., S. Sharma, D.K. Gray, S.E. Hampton, et al. (64 authors). 2015. Rapid and highly variable warming of lakes around the globe. *Geophysical Research Letters* 42: 10,773–10,781.
Representative press: [Nature](#), [Science](#), [Washington Post](#)
- Katz, S.L., L.R. Izmet'eva, S.E. Hampton, T. Ozersky, K. Shchapov, M.V. Moore, S.V. Shimaraeva and E.A. Silow. 2015. The “Melosira years” of Lake Baikal: Winter environmental conditions at ice onset predict under-ice algal blooms in spring. *Limnology and Oceanography* 60: 1950–1964.
- Hampton, S.E., S. Anderson, S.C. Bagby, C. Gries, X. Han, E. Hart, M.B. Jones, W.C. Lenhardt, A. MacDonald, W. Michener, J.F. Mudge, A. Pourmokhtarian, M.P. Schildhauer, K.H. Woo, and N. Zimmerman. 2015. The Tao of Open Science in Ecology. *Ecosphere* 6:art120. <http://dx.doi.org/10.1890/ES14-00402.1>.
- Sharma, S. et al. (75 authors) 2015. A global database of lake surface temperatures collected by in situ and satellite methods from 1985–2009. *Scientific Data*, 2: 150008. doi:10.1038/sdata.2015.8
- Hampton, S.E., M.V. Moore, T. Ozersky, E.H. Stanley, C.M. Polashenski, and A.W.E. Galloway. 2015. Heating up a cold subject: prospects for under-ice plankton research in lakes. *Journal of Plankton Research* 37: 277–284.
- Francis, T.B. E. Wolkovich, S.E. Hampton, M.D. Scheuerell, S.L. Katz, and E.E. Holmes. 2014. Detecting regime, driver and interaction changes: A moving-window approach to time-series community modeling. *PLoS ONE* 9(10): e110363.
- Langen, T.A., T. Mourad, B. Grant, W.K. Gram, B.J. Abraham, D.S. Fernandez, M. Carroll, A. Nuding, J.K. Baulch, J. Rodriguez, and S.E. Hampton. 2014. Using large public data sets in the undergraduate ecology classroom. *Frontiers in Ecology and the Environment* 12(6): 362-363.
- Anderson, S.S., et al. (24 authors) 2014. Understanding and properly interpreting the 2010 Deepwater Horizon blowout. In: *Oil Spill Remediation: Colloid Chemistry-Based Principles and Solutions* (eds. Somasundaran, P., Farinato, R.S. & Papadopoulos, K.). John Wiley & Sons, Inc, pp. 19–57.
- Hampton, S.E., D.K. Gray, L.R. Izmet'eva, M.V. Moore, and T. Ozersky. 2014. The rise and fall of plankton: long-term changes in the vertical distribution of algae and grazers in Lake Baikal, Siberia. *PLoS ONE*: 9(2): e88920. doi:10.1371/journal.pone.0088920
- Tewksbury, J.J., et al. (19 authors) 2014. Natural history's place in science and society. *BioScience* 64(4): 300-310.
- Hampton, S.E. 2013. Understanding lakes near and far. *Science* 342: 815-816.
- Hampton, S.E., E.E. Holmes, D.E. Pendleton, L.P. Scheef, M.D. Scheuerell, and E.J. Ward. 2013. Quantifying effects of abiotic and biotic drivers on community dynamics with multivariate autoregressive (MAR) models. *Ecology* 94: 2663–2669.
- Scheef, L.P., S.E. Hampton, and L.R. Izmet'eva. 2013. Inferring plankton community structure from marine and freshwater long-term data using multivariate autoregressive models. *Limnology and Oceanography: Methods* 11:475-484.
- Hampton, S.E. and E.H. Stanley. 2013. Long-term perspectives on lake science and management. *Limnology and Oceanography Bulletin* 22(3): 74-75.
- Hampton, S.E., C. Strasser, A. Batcheller, W. Gram, C. Duke, J. Tewksbury, and J. Porter. 2013. Big data and the future of ecology. *Frontiers in Ecology and the Environment* 11(3): 156–162.
- Hampton, S.E., C.A. Strasser, and J.J. Tewksbury. 2013. Growing Pains: Taking Ecology into the 21st Century. *BioScience* 63(2): 69-71. doi:10.1525/bio.2013.63.2.2.
- Strasser, C.A. and S.E. Hampton. 2012. The Fractured Lab Notebook: Undergraduates and Ecological Data Management Training in the United States. *Ecosphere* 3:art116.
- Anderson, S.S., C.H. Peterson, G.N. Cherr, S.E. Hampton, and M. Blum. 2012. Casual observations on DWH dispersant effects expose the lack of rigorous science: response to Rorick and colleagues. *BioScience* 62(12): 1010-1011.

- Peterson, C.H., et al (29 authors). 2012. A tale of two spills: novel science and policy implications of an emerging new oil spill model. *BioScience* 62(5): 461-469.
- Scheef, L.P., D.E. Pendleton, S.E. Hampton, S.L. Katz, E.E. Holmes, M.D. Scheuerell, and D.G. Johns. 2012. Assessing marine plankton community structure from long-term monitoring data with multivariate autoregressive (MAR) models: a comparison of fixed station vs. spatially distributed sampling data. *Limnology & Oceanography: Methods* 10: 54-64.
- Hampton, S.E., J.J. Tewksbury, and C.A. Strasser. 2012. Ecological data in the Information Age. *Frontiers in Ecology and the Environment* 10 (2): 59.
- Nuding, A. and S. Hampton. 2012. Investigating human impacts on stream ecology: locally and nationally. *Teaching Issues and Experiments in Ecology* 8 [online] http://tiee.esa.org/vol/v8/issues/data_sets/nuding/abstract.html
- Hampton, S.E., and J.N. Parker. 2011. Collaboration and productivity in scientific synthesis. *BioScience* 61: 900-910.
- Katz, S.L., S.E. Hampton, L.R. Izmet'eva, and M.V. Moore. 2011. Long-distance climate teleconnection deciphered through non-stationary long-term environmental data in Siberia. *PLoS ONE* 6(2): e14688. doi:10.1371/journal.pone.0014688
Representative press: [Pacific Standard Magazine podcast](#)
- Hampton, S.E., S.C. Fradkin, P.R. Leavitt, and E.E. Rosenberger. 2011. Disproportionate importance of nearshore habitat for the freshwater food web. *Marine & Freshwater Research* 62: 350-358
- Hampton, S.E., and T.A. Wheeler. 2011. Fostering the rebirth of natural history. *Biology Letters*. Online Early 31 Aug 2011.
- Pace, M.L., S.E. Hampton, K.E. Limburg, E.M. Bennett, E.M. Cook, A.E. Davis, J.M. Grove, K.Y. Kaneshiro, S.L. LaDeau, G.E. Likens, D. McKnight, D.C. Richardson, and D.L. Strayer. 2010. Communicating with the public: opportunities and rewards for individual ecologists. *Frontiers in Ecology and the Environment* 6(8): 292-298.
- Saha, N., G. Aditya, A. Bal, G.K. Saha, and S.E. Hampton. 2010. Opportunistic foraging by heteropteran mosquito predators. *Aquatic Ecology*. 44(1): 167-176.
- Moore, M.V., S.E. Hampton, L.R. Izmet'eva, E.A. Silow, E.V. Peshkova, and B.K. Pavlov. 2009. Climate change and the world's "Sacred Sea" - Lake Baikal, Siberia. *BioScience* 59(5): 405-417.
- Hampton, S.E., L.R. Izmet'eva, M.V. Moore, S.L. Katz, and E.A. Silow. 2008. Sixty years of environmental change in the world's largest freshwater lake – Lake Baikal, Siberia. *Global Change Biology* 14: 1947-1958.
Representative Press: [New York Times](#)
- Rosenberger, E.E., S.E. Hampton, S.C. Fradkin, B.P. Kennedy. 2008. Effects of shoreline development on the nearshore environment in large deep oligotrophic lakes. *Freshwater Biology* 53(8): 1673-1691.
- Hampton, S.E., M.D. Scheuerell, and D.E. Schindler. 2006. Coalescence in the Lake Washington story: interaction strengths in a planktonic food web. *Limnology & Oceanography* 51: 2042-2051.
- Izmet'eva, L., M.V. Moore, and S.E. Hampton. 2006. Seasonal dynamics of common phytoplankton in Lake Baikal. *Proceedings of Samara Russian Academy of Sciences Scientific Centre* 8(3): 191-196.
- Hampton, S.E., and D.E. Schindler. 2006. Empirical evaluation of observation scale effects in community time series. *Oikos* 113: 424-439.
- Hampton, S.E., P. Romare, and D.E. Seiler. 2006. Environmentally controlled *Daphnia* spring increase with implications for sockeye salmon fry in Lake Washington, USA. *Journal of Plankton Research* 28: 399-406.
- Hampton, S.E. 2005. Increased niche differentiation between two *Conochilus* species over 33 years of climate change and food web alteration. *Limnology & Oceanography* 50: 421-426.
- Jeppesen, E., et al. (29 contributors). 2005. Lake responses to reduce nutrient loading - an analysis of contemporary long-term data from 35 case studies. *Freshwater Biology* 50: 1747-1771.
- Schindler, D.E., and S.E. Hampton. 2004. Book review – Regime Shifts in Lake Ecosystems: Patterns and Processes by Stephen R. Carpenter. *Quarterly Review of Biology* 79(4): 445.
- Wilson, K.A. and S.E. Hampton. 2004. Teaching tips for new professors. *Bulletin of the Ecological Society of America* 85(2): 56-64.
- Hampton, S.E. 2004. Habitat overlap of enemies: temporal patterns and the role of spatial complexity. *Oecologia* 138: 475-484.
- Hampton, S.E., and I.C. Duggan. 2003. Diel habitat shifts of macrofauna in a fishless pond. *Marine & Freshwater Research* 54(7): 797-805.

- Hampton, S.E., and N.A. Friedenberg. 2002. Nocturnal increases in the use of near-surface water by pond animals. *Hydrobiologia* 477: 171-179.
- Gilbert, J.J., and S.E. Hampton. 2001. Diel vertical migrations of zooplankton in a shallow, fishless pond: a possible avoidance-response cascade induced by notonectids. *Freshwater Biology* 46(5): 611-621.
- Hampton, S.E., and J.J. Gilbert. 2001. Observations of insect predation on rotifers. *Hydrobiologia* 446/447: 115-121.
- Hampton, S.E., J.J. Gilbert, and C.W. Burns. 2000. Direct and indirect effects of juvenile *Buenoa macrotibialis* (Hemiptera: Notonectidae) on the zooplankton of a shallow fishless pond. *Limnology & Oceanography* 45(4): 1006-1012.
- Hampton, S.E. 1998. Morphotype-specific predation in the trimorphic rotifer *Asplanchna silvestrii*. *Hydrobiologia* 387/388: 437-444.
- Hampton, S.E., and P.L. Starkweather. 1998. Differences in predation among morphotypes of the rotifer *Asplanchna silvestrii*. *Freshwater Biology* 40(4): 595-605.

RECENT (2011-2017) FIRST-AUTHOR PRESENTATIONS AT SCIENTIFIC MEETINGS

- Hampton, S.E., Powers, S. M., Galloway, A. W., Labou, S.G. Ozersky, T., Stanley, E. H. Global synthesis of winter plankton and nutrient data from seasonally ice covered lakes. Association for the Sciences of Limnology and Oceanography, Honolulu, 2017.
- Hampton, S. E., Galloway, A. W., Powers, S. M., Batt, R. D., Ozersky, T., Stanley, E. H., Read, J. S., Lottig, N. R., Labou, S. G., Woo, K. H., O'Reilly, C. M., Sharma, S. Under-ice ecology in lakes: a synthesis of winter plankton data from 102 lakes. Association for the Sciences of Limnology and Oceanography, Santa Fe, NM, 2016.
- Hampton, S.E. Preparing the Next Generation of Environmental Scientists to Work at the Frontier of Data-Intensive Research. American Geophysical Union, San Francisco, 2015.
- Hampton, S.E. How Not to Collect Data: tips for use and re-use of data. Ecological Society of America, Sacramento, 2014.
- Hampton, S. E., O'Reilly, C. M., Sharma, S., Gray, D. K., Read, J. S., Lenters, J. D., Hook, S. J. Global lake warming trends and regional hotspots. Association for the Sciences of Limnology and Oceanography, New Orleans, 2013.
- Hampton, S.E., C. Strasser, A. Batcheller, W. Gram, C. Duke, J. Tewksbury, and J. Porter. Big data and the future of ecology. Ecological Society of America, Portland, 2012.
- Hampton, S.E., M.V. Moore, and L.R. Izmet'seva. Environmental forcing of plankton distribution in Lake Baikal, Siberia. Association for the Sciences of Limnology and Oceanography, Lake Biwa, Japan, 2012.
- Hampton, S.E., L.R. Izmet'seva, M.V. Moore, and S.L. Katz. *Invited*: Falling phytoplankton: altered access to the photic zone over 60 years of warming in Lake Baikal, Siberia. American Geophysical Union, San Francisco, 2011.
- Hampton, S.E., M.V. Moore, L.R. Izmet'seva, and S.L. Katz. *Invited*: Ecological effects of long-term warming in the world's largest lake - Lake Baikal, Siberia. 58th World Statistics Congress of the International Statistics Institute, 2011.
- Hampton, S.E., S.L. Katz, L.R. Izmet'seva, and M.V. Moore. Long-term warming and variation of seasonal timing in Lake Baikal, Siberia. International Association of Great Lakes Research, Duluth, Minnesota, USA, 2011.
- Hampton, S.E., E.E. Holmes, D.E. Pendleton, L.P. Scheef, M.D. Scheuerell, and E.J. Ward. Challenges and solutions to analyzing marine communities with multivariate autoregressive (MAR) models. American Society of Limnology & Oceanography, San Juan, Puerto Rico, 2011.

HONORS

- Chandler-Misener Award from the International Association for Great Lakes Research, 2017.
- Kaesar Scholar at University of Wisconsin-Madison Center for Limnology, 2014-2015.
- Fellow, Association for the Sciences of Limnology and Oceanography, 2015.

SELECTED PROFESSIONAL SERVICE

Advisory Committees

- National Science Foundation Directorate for Biological Sciences Advisory Committee, 2016-2018.
- Chair - National Center for Ecological Analysis and Synthesis, Science Advisers, 2014-2017.
- Canadian Institute of Ecology and Evolution, Advisory Board member, 2016-2018.
- Chair - National Science Foundation Advisory Board Subcommittee on NEON Scope, 2015.
- Ocean Modeling Forum Advisory Board member, 2014-2017.

Conservation Research Panel member for Luc Hoffman Institute, World Wildlife Fund, 2013 – 2015.

Professional Society Service

Ecological Society of America

Sustainability Science Committee, 2014-2017.

Steering Committee for improving American engagement with the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) , 2014-2017.

Planning Committee for Ecology Data, 2017.

Science Committee, 2013-2017.

Chair -Aquatic Section, 2011-2013 (Co-chair 2009-2011).

Association for the Sciences of Limnology and Oceanography

Redfield Lifetime Achievement Award Committee, 2016-2018.

Organizing Committee, 2018 ASLO Victoria Meeting, 2017-2018.

Associate Editor

Limnology and Oceanography, 2014-2016.

Ecosystems, 2016-2018.

Ecosphere, 2017-2019.

Workshop leadership and invited participation

Team Lead

Balancing Technological and Institutional Solutions within Food-Energy-Water Systems, 2015.

Increasing Capacity in Data-Intensive Environmental Research, 2015.

Ecology Under Lake Ice, 2014-2016.

Open Science CodeFest, 2014.

DataONE Community Engagement and Education, 2009-2014.

Institute for Sustainable Earth and Environmental Software Workforce Development, 2013.

NCEAS Lake Baikal Plankton, 2004-2006.

Training Lead

Multivariate Autoregressive Modeling, Ecological Society of America and NCEAS, 2007.

Open Science for Synthesis, 2014.

NCEAS Summer Institute, 2013.

How to Prepare Ecological Data Sets for Effective Analysis and Sharing - Ecological Society of America, 2010, 2011, 2012.

Session Organizer at Professional Meetings

Long-term Perspectives on Aquatic Research, Association for the Sciences of Limnology and Oceanography, 2017.

Recent Ecological Change in Ancient Lakes, Association for the Sciences of Limnology and Oceanography, 2015.

Communicating the Value of Aquatic and Wetland Ecosystems to the Public and Policy Makers, Association for the Sciences of Limnology and Oceanography, 2014.

Growing Pains: Taking Ecology Into the 21st Century, Ecological Society of America, 2012.

Long-term Perspectives on Lake Research and Management, Association for the Sciences of Limnology and Oceanography, 2013.

Working Group Participant

Advancing Theory and Research on Scientific Synthesis, NESCent/NCEAS, 2012-2014.

NCEAS Gulf Oil Spill Ecotoxicology, 2010.

Natural History in Research and Environmental Management, 2011.

Global Lake Temperature Collaboration, 2012 - 2015.

NEON-ESA-NCEAS Distributed Undergraduate Seminar - Engaging Undergraduate Students in Ecological Investigations Using Large Public Datasets, 2009 -2011.

Steering Committee - Socio-Environmental Synthesis Education, SESYNC, 2012.

Steering Committee - Climate change and species interactions: ways forward, Cary Institute for Ecosystem Studies, 2012.

TEACHING EXPERIENCE

Washington State University, 2014-present.

Dimensions of Environmental Change

University of California, Santa Barbara, 2009, 2011.

Statistics for Environmental Science and Management

University of Idaho, 2004 – 2006.

Limnology, Community & Ecosystem Ecology, Grant Proposal Writing

University of Nevada – Reno, 2001 – 2002.

Ecology and Population Biology, Research Experimental Design, Aquatic-Terrestrial Links

MENTORING

Postdoctoral Advisor

Elizabeth Wolkovich (2009-2010; Assistant Professor at Harvard University)

Lindsay Scheef (2009 – 2011; Research Scientist at University of Texas)

Carly Strasser (2010-2013; Program Officer at Moore Foundation)

Stacy Rebich Hespanha (2011-2014; Research Associate at National Center for Ecological Analysis and Synthesis)

Derek Gray (2012-2014; Assistant Professor at Wilfried Laurier University)

Aaron Galloway (2014-2015; Assistant Professor at Oregon Institute for Marine Biology)

Steve Powers (2015-2017)

M.S. Advisor for Elizabeth Rosenberger (née Seminet-Reneau; 2004-2006; Research Scientist for US Forest Service).

Ph.D. Advisor for Michael Meyer (2015-2019).