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Associate Professor, Graduate School of Education

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EDUCATION

- Ph.D. Forestry and Environmental Studies (Social Ecology), Yale University
Dissertation: *Sense of Place and Environmental Behavior at an Ecoregional Scale*
- M.S. Natural Resource Management (Human Dimensions: Environmental Education and Interpretation),
University of Wisconsin, Stevens Point
- B.B.A. International Business and French (Minor: Art History), James Madison University

ACADEMIC APPOINTMENTS

- 2018–present Faculty Director (Acting), Emmett Interdisciplinary Program on Environment and
Resources (EIPER), School of Earth, Energy, and Environmental Sciences, Stanford
University, Stanford, California
- 2016–present Associate Professor, Graduate School of Education, and Senior Fellow, Woods Institute for
the Environment, Stanford University, Stanford, California
- 2008–2016 Assistant Professor, Graduate School of Education, and Center Fellow, Woods Institute for
the Environment, Stanford University, Stanford, California

PUBLICATIONS

Refereed Journal Articles

- Gould, R.K., **Ardoin, N.M.**, Thomsen, J., and Wyman Roth, N. In press. Environmental Learning and
Environmental Behavior in Everyday Life: Exploring connections through case studies. *Environmental Education
Research*.
- Gould, R., Krymkowski, D. **Ardoin, N.M.** In press. The Importance of Culture in Predicting Environmental
Behavior in Middle School Students on Hawai'i Island. *PLOS One*.
- Niemiec, R.M., **Ardoin, N.**, Brewer, F., Kung, S., Lopez, K. 2018. Fear of Social Sanctions and Increased
Neighbor Interaction: Associations with Resident Action to Control the Invasive Little Fire Ant. *Society and
Natural Resources*. doi.org/10.1080/08941920.2018.1456594.
- Gould, R.K., Phukan, I., Mendoza, M.E., **Ardoin, N.M.**, Panikkar, B. 2018. Seizing Opportunities to Diversify
Conservation. *Conservation Letters*, 11(4), e12431.
- Niemiec, R.M., Asner, G.P., Brodrick, P., Gaertner, J., and **Ardoin, N.M.** 2018. Scale-Dependence of
Environmental and Socioeconomic Drivers of Biological Invasion in Hawai'i. *Landscape and Urban Planning*, 169:
70–80.
- Reineman, D. and **Ardoin, N.M.** 2018. Sustainable Tourism and the Management of Nearshore Coastal Places:
Place Attachment and Disruption to Surf-Spots. *Journal of Sustainable Tourism*, 26(2): 325–340.

- Browning, M.H.E.M., Stern, M.J., **Ardoin, N.M.**, and Heimlich, J.E., 2018. Factors that Contribute to Community Members' Support of Local Nature Centers. *Environmental Education Research*, 24(3): 326–342.
- Ardoin, N.M.**, Bowers, A.W., Wyman Roth, N., and Holthuis, N. 2017. Environmental Education and K–12 Student Outcomes: A review and analysis of research. *Journal of Environmental Education*, 49(1): 1–17.
- Biggar, M.T. and **Ardoin, N.M.** 2017. Community Context, Human Needs, and Transportation Choices: A view across San Francisco Bay Area communities. *Journal of Transport Geography*, 60: 189–199.
- Stern, M.J., Powell, R.B., Frensley, B., and **Ardoin, N.M.** 2017. What Difference Do Role Models Make? Investigating outcomes at a residential environmental education center. *Environmental Education Research*, doi.org/10.1080/13504622.2017.1313391.
- Niemiec, R.M., **Ardoin, N.M.**, Wharton, C., Brewer, F. 2017. Civic and Natural Place Attachment as Correlates of Resident Invasive Species Control Behavior in Hawaii. *Biological Conservation*, 209: 415–422.
- Khalil, K.A., **Ardoin, N.M.**, and Wojcik, D.J. 2017. Social Learning within a Community of Practice: Investigating interactions about evaluation among zoo education professionals. *Evaluation and Program Planning*, 61: 45–54.
- Browning, M.H.E.M., Stern, M.J., **Ardoin, N.M.**, Heimlich, J.E., Petty, R., and Charles, C. 2017. Investigating the Sets of Values that Community Members Hold toward Local Nature Centers. *Environmental Education Research*, 23(9): 1291–1306.
- Biggar, M.T. and **Ardoin, N.M.** 2017. More Than Good Intentions: The role of conditions in personal transportation behavior. *Local Environment*, 22(2): 141–155.
- Stern, M.J., Ardoin, N.M., and Powell, R.B. 2017. Exploring the Effectiveness of Outreach Strategies in Conservation Projects: The case of the Audubon Toyota TogetherGreen Program. *Society and Natural Resources*, 30(1): 95–111.
- Ardoin, N.M.**, DiGiano, M., O'Connor, K., and Podkul, T. 2017. The Development of Trust in Residential Environmental Education Programs. *Environmental Education Research*, 23(9): 1355–1355.
- Lukacs, H., **Ardoin, N.M.**, and Grubert, E. 2016. Beyond Formal Groups: Neighboring acts and watershed protection in Appalachia. *International Journal of the Commons*, 10(2): 878–901.
- Boudet, H.S., **Ardoin, N.M.**, Flora, J., Armel, K.C., Desai, M., and Robinson, T.R. 2016. Effects of a Behaviour Change Intervention for Girl Scouts on Child and Parent Energy-Saving Behaviours. *Nature Energy*, doi:10.1038/nenergy.2016.91.
- Gould, R.K., **Ardoin, N.M.**, Biggar, M., Cravens, A.E., and Wojcik, D. 2016. Environmental Behavior's Dirty Secret: The prevalence of waste management in discussions of environmental concern and action. *Environmental Management*, 58(2): 268–282.
- Lincoln, N.K. and **Ardoin, N.M.**, 2016. Cultivating Values: Environmental values and sense of place as correlates of sustainable agricultural practices. *Agriculture and Human Values*, 33(2): 389–401.
- Khalil, K.A., **Ardoin, N.M.**, and Wojcik, D.J. 2016. The Company You Keep: Networks in a community of informal education evaluators. *Studies in Educational Evaluation*, 51: 7–16.
- Cravens, A.E. and **Ardoin, N.M.** 2016. Negotiating Credibility and Legitimacy in the Shadow of an Authoritative Data Source. *Ecology and Society*, 21(4): 30.
- Lincoln, N.K. and **Ardoin, N.M.** 2016. Farmer Typology in South Kona, Hawai'i: Who's farming, how, and why? *Food, Culture, & Society*, 19(3): 563–585.
- Oakes, L.E., **Ardoin, N.M.**, and Lambin, E. 2016. "I Know, therefore I Adapt?" Complexities of individual adaptation to climate-induced forest dieback in Alaska. *Ecology and Society*, 21(2): 40.
- Niemiec, R., **Ardoin, N.M.**, Wharton, C., and Asner, G.P. 2016. Motivating Residents to Combat Invasive Species on Private Lands: Social norms and community reciprocity. *Ecology and Society*, 21(2): 30.

- Ardoin, N.M.**, Schuh, J., and Khalil, K. 2016. Environmental Behavior of Visitors to a Science Museum. *Visitor Studies*, 19(1): 77–95.
- Ardoin, N.M.**, Clark, C.C., and Wojcik, D. 2016. Looking toward the Blue Sky: Environmental education researchers' experience, influences, and aspirations. *Applied Environmental Education & Communication*, 15(1): 75–89.
- Ardoin, N.M.**, Wheaton, M., Hunt, C., Schuh, J., and Durham, W. 2016. Post-Trip Philanthropic Intentions of Nature-Based Tourists in Galapagos. *Journal of Ecotourism*, 15(1): 21–35.
- Wheaton, M., **Ardoin, N.M.**, Schuh, J., Hunt, C.A., Kresse, M., Menke, C., and Durham, W. 2016. Using Web and Mobile Technology to Motivate Pro-Environmental Action after a Nature-Based Tourism Experience. *Journal of Sustainable Tourism*, 24(4): 594–615.
- Ardoin, N.M.**, DiGiano, M., O'Connor, K., and Holthuis, N. 2016. Using Online Narratives to Explore Participant Experiences in a Residential Environmental Education Program. *Children's Geographies*, 14(3): 263–281.
- Oakes, L.E., Hennon, P.E., **Ardoin, N.M.**, D'Amore, D.V., Ferguson, A.K., Steel, E.A., Wittwer, D.T., and Lambin, E.F. 2015. Conservation in a Social-Ecological System Experiencing Climate-Induced Tree Mortality. *Biological Conservation*, 192: 276–285.
- Ardoin, N.M.**, Wheaton, M., Bowers, A.W., Hunt, C.A., and Durham, W. 2015. Nature-Based Tourism's Impact on Environmental Knowledge, Attitudes, and Behavior: A review and analysis of the literature and potential future research. *Journal of Sustainable Tourism*, 23(6): 838–858.
- Lincoln, N. and **Ardoin, N.M.** 2015. Cultivating Values: Environmental values and sense of place as correlates of sustainable agricultural practices. *Agriculture and Human Values*, 33(2): 389–401.
- Ardoin, N.M.**, Biedenweg, K., and O'Connor, K. 2015. Evaluation in Residential Environmental Education: An applied literature review of intermediary outcomes. *Applied Environmental Education & Communication*, 14(1): 43–56.
- Gould, R.K., Klain, S.C., **Ardoin, N.M.**, Satterfield, T., Woodside, U., Hannahs, N., Daily, G.C., and Chan, K.M. 2015. A Protocol for Eliciting Nonmaterial Values through a Cultural Ecosystem Services Frame. *Conservation Biology*, 29(2): 575–586.
- Rich, H. and **Ardoin, N.M.** 2014. Teacher and Administrator Perceptions of School Gardens in Cape Town, South Africa. *Children, Youth and Environments*, 24(3): 58–79.
- Gould, R.K., **Ardoin, N.M.**, Woodside, U., Satterfield, T., Hannahs, N., and Daily, G.C. 2014. The Forest Has a Story: Cultural ecosystem services in Kona, Hawai'i. *Ecology and Society*, 19(3): 55–84.
- Ardoin, N.M.**, Gould, R.K., Fielding-Singh, P., and Kelsey, E. 2014. Collaborative and Transformational Leadership in the Environmental Realm. *Journal of Environmental Policy & Planning*, 65(4): 555–561.
- Boudet, H.S., **Ardoin, N.M.**, Flora, J., Armel, K.C., and Robinson, T.R. 2014. Energy Behaviours of Northern California Girl Scouts and their Families. *Energy Policy*, 73: 439–449.
- Ardoin, N.M.** 2014. Exploring Sense of Place and Environmental Behavior at an Ecoregional Scale in Three Sites. *Human Ecology*, 42(3): 425–441.
- Ardoin, N.M.**, DiGiano, M., Bundy, J., Chang, S., Holthuis, N., and O'Connor, K. 2014. Using Digital Photography and Journaling in Evaluation of Field-Based Environmental Education Programs. *Studies in Educational Evaluation*, 41: 68–76.
- Lukacs, H. and **Ardoin, N.M.** 2014. The Relationship of Place Re-making and Watershed Group Participation in Appalachia. *Society & Natural Resources*, 27(1): 55–69.
- Ardoin, N.M.**, Castrechini, S., and Hofstedt, M. 2013. Youth–Community–University Partnerships and Sense of Place: Two case studies of youth participatory action research. *Children's Geographies*, 12(4): 479–496.

- Vaughan, M.B. and **Ardoin, N.M.** 2013. The Implications of Differing Tourist/Resident Perceptions for Community-Based Resource Management: A Hawaiian coastal resource area study. *Journal of Sustainable Tourism*, 22(1): 50–68.
- Ardoin, N.M.** and Heimlich, J.E. 2013. Views from the Field: Educators' and practitioners' perceptions of education as a strategy in support of conservation outcomes. *Journal of Environmental Education*, 44(2): 97–115.
- Ardoin, N.M.**, Clark, C., and Kelsey, E. 2013. An Exploration of Future Trends in Environmental Education Research. *Environmental Education Research*, 19(4): 499–520.
- Ardoin, N.M.**, Schuh, J.S., and Gould, R.K. 2012. Exploring the Dimensions of Place: A confirmatory factor analysis of data from three ecoregional sites. *Environmental Education Research*, 18(5): 583–607.
- Ardoin, N.M.** and Bowers, A.W. 2012. Trends in Philanthropic Giving: Foundation support of environmental education. *Journal of Environmental Education*, 43(4): 259–273.
- Oshun, M., **Ardoin, N.M.**, and Ryan, S. 2011. Use of the Planning Outreach Liaison Model in the Neighborhood Planning Process: A case study in Seattle's Rainier Valley neighborhood. *Urban Studies Research*, <http://dx.doi.org/10.1155/2011/687834>.
- Khalil, K. and **Ardoin, N.M.** 2011. Programmatic Evaluation in Association of Zoos and Aquarium-Accredited Zoos and Aquariums: A literature review. *Applied Environmental Education & Communication*, 10(3): 168–177.
- Castrechini, S. and **Ardoin, N.M.** 2011. Youth Resource Mapping: Partnering with service providers and youth to understand the supply and demand for youth services in a local context. *Perspectives on Urban Education*, 8(2): 3–10.
- Stern, M.J., Powell, R.B., and **Ardoin, N.M.** 2011. Evaluating a Constructivist and Culturally Responsive Approach to Environmental Education for Diverse Audiences. *Journal of Environmental Education*, 42(2): 109–122.
- Powell, R.B., Stern, M.J., Krohn, B.D., and **Ardoin, N.M.** 2011. Development and Validation of Scales to Measure Environmental Responsibility, Character Development, and Attitudes toward School. *Environmental Education Research*, 17(1): 91–111.
- Gould, R.K., **Ardoin, N.M.**, and Hashimoto, J. 2010. *Mālama the 'āina, Mālama the People on the āina*: The reaction to Avatar in Hawai'i. *Journal for the Study of Religion, Nature, and Culture*, 4.4: 425–456.
- Heimlich, J.E. and **Ardoin, N.M.** 2008. Understanding Behavior to Understand Behavior Change: A literature review. *Environmental Education Research*, 14(3): 215–237.
- Stern, M., Powell, R., and **Ardoin, N.M.** 2008. What Difference Does It Make? Assessing outcomes from participation in a residential environmental education program. *Journal of Environmental Education*, 39(4): 31–43.
- Ardoin, N.M.** 2006. Toward an Interdisciplinary Understanding of Place: Lessons for environmental education. *Canadian Journal of Environmental Education*, 11(1): 112–126.
- Powell, R., Stern, M., and **Ardoin, N.M.** 2006. A Sustainable Evaluation Framework and its Application. *Applied Environmental Education and Communication*, 5(4): 231–241.
- Ardoin, N.M.** and Sivek, D. 2002. An Environmental Education Needs Assessment Study in Nicaragua. *Applied Environmental Education and Communication*, 1(4): 235–244.

Book Chapters

- Ardoin, N.M.**, Reid, A., Lotz-Sisitka, H., Gonzalez-Gaudiano, E. 2017. Afterword. In *Urban environmental education review*, edited by A. Russ and M. Krasny. Ithaca, NY: Cornell University Press.

Stedman, R. and **Ardoin, N.M.** 2013. Mobility and Scale in Place-Based Environmental Education. In *Trading Zones in Environmental Education: Creating transdisciplinary dialogue*, edited by M. Krasny and J. Dillon. New York, NY: Peter Lang Publishers.

Gould, R.K., **Ardoin, N.M.**, and Hashimoto, J. 2013. Transposing the Conversation into Popular Idiom: The reaction to Avatar in Hawaii. In *Avatar and Nature Spirituality*, edited by B. Taylor. Waterloo, Canada: Wilfrid Laurier University Press, Environmental Health Series.

Ardoin, N.M. 2009. Behavior Change Theories and Free-Choice Environmental Learning. In *Free Choice Learning and the Environment*, edited by J. Falk, J.E. Heimlich, and S. Foutz, pp. 57–73. Lanham, MD: AltaMira Press.

Encyclopedia Entries

Ardoin, N.M. and Bowers, A.W. 2013. Ecotourism. *Oxford Bibliographies in Ecology*.

Selected Professional Publications

Biggar, M.T., **Ardoin, N.M.**, and Morris, J. 2017. Collective Impact on the Ground. *Stanford Social Innovation Review* blog. Available online at: https://ssir.org/articles/entry/collective_impact_on_the_ground.

Ardoin, N.M. Project lead. January 2011–October 2017. *Environmental Education Research Bulletins: Issues 1–10*. Oakland, CA: ChangeScale and NAAEE. Available at: <http://www.changescale.org/resources/environmental-education-research-bulletins/>

Biggar, M., **Ardoin, N.M.**, and Wojcik, D. 2015. *Implementing Collective Impact in an Environmental Education Collaborative: A case study of the collective impact process during ChangeScale's first three years* (a report prepared for ChangeScale). Stanford, CA: Stanford University.

Ardoin, N.M., Fu, A., and Holthuis, N. 2013. *A Review of California's Education and the Environment Initiative (EEI) Curriculum* (a report prepared for Pisces Foundation). Stanford, CA: Stanford University.

Ardoin, N.M., Heimlich, J., Braus, J., and Merrick, C. 2013. *Influencing Conservation Action: What the research says about environmental literacy, behavior, and conservation results*. National Audubon Society, U.S. EPA, and U.S. Fish and Wildlife Service. Available online: http://web4.audubon.org/educate/toolkit/pdf/Influencing%20Conservation%20Outcomes%20Module%20013_National%20Audubon%20Society.pdf

Ardoin, N.M. and Merrick, C. 2013. *Environmental Education: A brief guide for U.S. grantmakers*. Washington, DC: NAAEE; and Boston, MA: Cedar Tree Foundation.

Braus, J., **Ardoin, N.M.** (senior writer, editor, and contributor), Ady, J., Coleman, J., Ford, M., Grimm, K., Heimlich, J., Hopkins, M., Jeppesen, G., Mann, L., Merrick, C., Miller, F., Petty, B., and Slavin, Z. 2011. *Tools of Engagement: A toolkit for incorporating social strategies into environmental conservation*. Washington, DC: National Audubon Society, U.S. EPA, and U.S. Fish and Wildlife Service. Available online at: <http://web4.audubon.org/educate/toolkit>

Ardoin, N.M. 2009. *Environmental Education: A strategy for the future*. New York, NY: Environmental Grantmakers Association.

Ardoin, N.M. 2005. *Charles Darwin Foundation Annual Report, 2004*. Puerto Ayora, Galapagos, Ecuador: Charles Darwin Foundation.

Ardoin, N.M. 2004. *Community Biodiversity Education Partnership Program Outreach Kit Guide*. Washington, DC: World Wildlife Fund.

Braus, J., Olivolo, B., and **Ardoin, N.M.** (senior writer). 2003. *Oceans of Life: An educator's guide to marine biodiversity*. Washington, DC: World Wildlife Fund.

Braus, J., Olivolo, B., **Ardoin, N.M.** (managing editor, senior writer). 2001. *Wildlife for Sale: An educator's guide to wildlife trade*. Washington, DC: World Wildlife Fund.

Braus, J., Olivolo, B., and **Ardoin, N.M.** (managing editor). 1999. *Biodiversity Basics: An educator's guide to exploring the web of life*. Washington, DC: World Wildlife Fund.

SPONSORED RESEARCH

- 2018–2020 Co-Principal Investigator, *Hybrid Physical and Digital Spaces for Enhanced Sustainability and Wellbeing*, Stanford Catalyst for Collaborative Solutions, Principal Investigator: Sarah Billington, Civil and Environmental Engineering, Stanford
- 2018–2019 Principal Investigator, *Leveraging the Science of Storytelling to Build Empathy and Connection with California's Iconic Coastal Redwood Forests*, National Geographic Society
- 2018–2019 Principal Investigator, *Blue Habits (Phase II): Leveraging Behavioral Science to Support Pro-Ocean Behaviors*, Booking Cares Fund. In partnership with The Oceanic Society
- 2017–2019 Co-Principal Investigator, *Connection to Nature Assessment Project*, Pisces Foundation. Principal Investigator: Martha Monroe, University of Florida; co-PIs: Judy Braus, North American Association for Environmental Education; Cathy Jordan, Children & Nature Network
- 2017–2019 Principal Investigator, *Research and Practice: Students and Land Managers Collaborating for Solutions*, Realizing Environmental Innovations Projects (REIP) Fund, Stanford Woods Institute for the Environment. Co-Principal Investigator, Deborah Gordon, Biology
- 2016–2020 Co-Principal Investigator, *Coastal Fog-Mediated Interactions between Climate Change, Upwelling, and Coast Redwood Resilience: Projecting vulnerabilities and the human response*, NSF Coastal SEES Program. Principal Investigator: Elliott Campbell, U.C. Santa Cruz
- 2017–2021 Partner, *ee360: Leadership and Training Collaborative*, US Environmental Protection Agency. Lead Partner: North American Association for Environmental Education
- 2016–2018 Principal Investigator, *Program Practices Influencing Environmental Literacy: Key considerations as suggested in the research literature*, Pisces Foundation
- 2016–2018 Co-Principal Investigator, *Girls Learning Environment and Energy: Dissemination and sustainability*, Realizing Environmental Innovations Projects (REIP) Fund, Stanford Woods Institute. Principal Investigator: Thomas Robinson, Stanford School of Medicine
- 2015–2018 Principal Investigator, *Anecdotes to Evidence (eeWorks): Examining the body of evidence for environmental education with regard to conservation, wellbeing, nature connection, and academic outcomes*, North American Association for Environmental Education
- 2015 Co-Investigator, *Investigating the Long-Term Impacts of Informal Science Learning at Zoos and Aquariums*, NSF Science Learning Plus. Principal Investigators: Wildlife Conservation Society and the Zoological Society of London
- 2014–2016 Principal Investigator, *Blue Habits (Phase I): Motivating lasting pro-ocean behaviors among nature-based travelers and beyond*, Oceanic Society
- 2014–2015 Principal Investigator, *Community Conservation: Examining environmental behavior as motivated by participation in aquarium programs*, Monterey Bay Aquarium

- 2014–2015 Principal Investigator, *Evaluating the Impact of Field-Based Environmental Education Experiences on Stewardship Behavior*, NatureBridge
- 2014–2015 Principal Investigator, *Environmental Education for Academic Impact: Investigating the empirical basis of K-12 and student outcomes in the environmental education field*, Pisces Foundation
- 2012–2015 Principal Investigator, *Environmental Learning in the San Francisco Bay Area: Networks, place connections, stewardship, and educational outcomes*, S. D. Bechtel, Jr. Foundation
- 2011–2013 Principal Investigator, *Research-to-Practice: Translating environmental education research for practitioners*, NatureBridge
- 2012–2013 Principal Investigator, *Innovative Metrics in Field Science Education: Exploring environmental science literacy and sustainability outcomes*, Gordon and Betty Moore Foundation
- 2012–2013 Principal Investigator, *Improving the Next Generation of Grantmaking through Building the Capacity of Foundation Program Officers in Evaluation and Adaptive Management*, William and Flora Hewlett Foundation. Co-Investigator: C.R. Hibbs, Stanford Center for Philanthropy and Civil Society
- 2012–2014 Co-Investigator, *Investigating the Value of Nature Centers in Communities*, Institute for Museum and Library Sciences, National Audubon Society as Managing Partner with Sub-award to Stanford. Co-Investigators: Robert Petty, National Audubon Society; Marc Stern, Virginia Tech; Joe Heimlich, The Ohio State University
- 2011–2013 Principal Investigator, *Facilitating Environmental Behavior: Leveraging nature-based tourism into everyday stewardship*, Primary funding by the Environmental Ventures Projects Program of the Woods Institute for the Environment. Co-Investigator: William Durham, Department of Anthropology, Stanford University
- 2010–2013 Co-Investigator, *Environmental Education to Motivate Energy-Efficient Behavior: Community-based interventions with the Girl Scouts of Northern California*, U.S. Department of Energy's ARPA-E Program. Principal Investigator: Byron Reeves, Department of Communication, Stanford; Co-Investigator: Thomas Robinson, Department of Pediatrics, Stanford School of Medicine
- 2012 Principal Investigator, *Review of Selected Units in California's Education and the Environment Initiative Curriculum*, Pisces Foundation
- 2012 Principal Investigator, *Motivating Philanthropic Support and Environmental Behavior in Galapagos and Beyond*, Celebrity Cruises and Galapagos Conservancy, Pro bono
- 2011 Principal Investigator, *Designing Research to Strengthen Environmental Education in the Bay Area and Beyond*, S.D. Bechtel, Jr. Foundation
- 2009–2011 Co-Investigator, *Mapping Out-of-School Time: Examining sense of place and self-efficacy among East Palo Alto youth through a collaborative study*, UPS Foundation. Co-Investigator: Milbrey McLaughlin, Graduate School of Education; the John W. Gardner Center for Youth and Their Communities
- 2008–2013 Co-Investigator, *TogetherGreen Research and Evaluation: Motivating environmental behavior and achieving environmental conservation outcomes through a fellowship and grants program*, National Audubon Society and Toyota Motor Corporation. Fiscal agent: Clemson University. Co-Investigators: Bob Powell, Clemson University; Marc Stern, Virginia Tech

- 2010–2011 Co-Investigator, *The Value of Nature Centers to Communities: Building a Sense of Place and Motivating Stewardship*, Institute of Museum and Library Services. Fiscal agent: National Audubon Society. Co-Investigators: Judy Braus, National Audubon Society; Joe Heimlich, The Ohio State University; Marc Stern, Virginia Tech
- 2011 Principal Investigator, *Environmental Knowledge, Attitudes, and Behavior of Visitors to the Snakes and Lizards Traveling Exhibition at the California Academy of Sciences*, California Academy of Sciences, Pro bono
- 2010 Principal Investigator, *Research on Effective Practices in Teacher Professional Development in Environmental Education*, NatureBridge and the S.D. Bechtel, Jr., Foundation
- 2009–2010 Principal Investigator, *Evaluation Research of the First Nations Futures Fellows Program: Building leadership for the future*, Kamehameha Schools and Woods Institute for the Environment
- 2007–2009 Principal Investigator, *Philanthropic Support of Environmental Education: Trends and opportunities*, Switzer Foundation in partnership with the Environmental Grantmakers Association
- 2005–2009 Lead Research Associate, *Bringing Buildings to Life: The impact of green buildings on environmental knowledge, behavior, and connection to place among middle school students and teachers*, Principal Investigator: Stephen R. Kellert, Yale University

INVITED TALKS SINCE 2008

- 2017 Keynote speaker. *Sustaining Change: Behavioral Science for Conservation*. WWF Fuller Symposium: The Nature of Change: The science of influencing behavior. Washington, DC. 4 December.
- 2017 Invited plenary keynote. *Connecting Research and Practice in Environmental Education: Recognizing and supporting boundary work*. Research Symposium. World Environmental Education Congress. Vancouver, BC. 11 September.
- 2017 Invited lecture. *Environmental Behavior, Learning, and Place-Based Connections*. Osher Fellow Lecture. Exploratorium, San Francisco. 12 July.
- 2017 Invited lecture. *Environmental Education and Socioemotional Learning: Means to an end, or ends to a mean?* Monday Colloquium Series, School of Education. University of California, Berkeley. 24 April.
- 2017 Invited lecture. *Talking Sustainability: The role of place and place-based connections in our shifting environmental landscape* (via videoconference). Sustainability Education Research Institute Seminar Series. University of Saskatchewan. 13 April.
- 2017 Invited speaker. *What Does Research Tell Us about Environmental Learning?* Blue Sky Funders Forum, Chesapeake Bay Funders Network, and Environmental Defense. Washington, DC. 2 March.
- 2016 Invited lecture. *Connecting for Change: Everyday life settings for environmental learning and stewardship*. Wisconsin Ideas in Education Series. Co-Sponsored by the College of Education and the Nelson Institute for Environmental Studies, University of Wisconsin. 27 April.
- 2015 Invited lecture. *Yosemite to Pocket Parks: Engaging individuals with nature through place-based connections and daily-life practices*. William Main Distinguished Visitors Series. University of California, Berkeley. 28 October.

- 2015 Keynote. *The Importance of the Incidental: Environmental learning in everyday life*. With Prof. J.E. Heimlich. Research Symposium, North American Association for Environmental Education Annual Conference, San Diego, CA. 14 October.
- 2015 *Environmental Education: Outcomes and impacts* (via videoconference). The W. Garfield Weston Foundation, Toronto, Canada. 15 April.
- 2015 *The Relationship between Environmental Learning and Environmental Behavior: A mixed methods study in the Bay Area*. Environmental Education Funders Collaborative, Los Altos, CA. 23 March.
- 2015 Invited lecture. *Environmental Learning and Behavior in Everyday Life: A mixed-methods study in the San Francisco Bay Area*. Yale University School of Forestry and Environmental Studies, New Haven, CT. 14 January.
- 2014 *Environmental Education and Community Stewardship Outcomes: Evidence, metrics, questions*. National Fish and Wildlife Foundation, Washington, DC. 9 December.
- 2014 Keynote. *Peering Inside the "Black Box:" Approaches and tools for evaluating place-based education experiences*. Power of Place Summit, Jackson, WY. 7 July.
- 2014 Panelist. *No Child Left Inside*. The Commonwealth Club of California, San Francisco, CA. 19 May.
- 2014 *Two Cases of Youth Participatory Action Research: Community mapping and an arts center project with East Palo Alto youth*. School of Education and Community Development Program, University of California, Davis, CA. 26 February.
- 2013 Panelist. *How Can the Forum Best Accelerate Support for the Environmental Education Field?* Blue Sky Funders Forum, Baltimore, MD. 11 October.
- 2013 Panelist. *Environmental Education: A critical strategy for strengthening communities and improving the environment*. Environmental Grantmakers Association Retreat, New Orleans, LA. 1 October.
- 2013 Panelist. *Sparkling Our Sputnik Moment: Environmental education as a catalyst for environmental engagement and action*. Trailblazing: Stanford's Jasper Ridge and Global Environmental Challenges, Jasper Ridge Biological Preserve's 40th Anniversary Celebration, Woodside, CA. 9 May.
- 2013 Panelist. *Science and Environmental Educators' Symposium*. Monash University and Melbourne Zoo, Melbourne, Victoria, Australia. 19 February.
- 2013 Panelist. *What Will We Need of Science Education in 2020?* Monash University and Australian Science Education Association. Melbourne, Victoria, Australia. 18 February.
- 2012 Panelist. *History of and Future Visions for the Environmental Education Movement*. Blue Sky Funders Forum, Oakland, CA. 12 October.
- 2012 *Research on Synthesis Education: What do we know about teaching socio-environmental synthesis?* Socio-Environmental Synthesis Education: Goals, Resources and Tools Workshop, NSF National Socio-Environmental Synthesis Center, Annapolis, MD. 4–5 June.
- 2012 *Environmental Education Outcomes: EE's impact in formal settings*. Environmental Education Funders Collaborative, Los Altos, CA. 4 May.

SELECTED ACADEMIC CONFERENCE PRESENTATIONS SINCE 2008

- 2018 **Ardoin, N.M.** and R. Niemiec. *Using Socio-Ecological Research in the Design and Evaluation of Community Engagement Programs for Conservation*. Hawaii Conservation Conference, Waikiki, Oahu, Hawaii. 26 July.
- 2017 Braus, J. and **Ardoin, N.M.** *eeWorks: Demonstrating the Impact of Environmental Education through Empirical Research* (ID 646), World Environmental Education Congress, Vancouver, British Columbia. 12 September.
- 2016 Reid, A. and **Ardoin, N.M.** *Research and Evaluation @eePRO*, Workshop at North American Association for Environmental Education (NAAEE) Annual Research Symposium, Madison, WI. 19 October.
- 2016 Reid, A. and **Ardoin, N.M.** *Future Scenarios that Support Environmental Education Research*, North American Association for Environmental Education (NAAEE) Annual Research Symposium, Madison, WI. 19 October.
- 2016 Phukan, I., Zummo, L., and **Ardoin, N.M.** *Points of Connection: Language use in environmental education*, North American Association for Environmental Education (NAAEE) Annual Research Symposium, Madison, WI. 19 October.
- 2016 **Ardoin, N.M.**, Kermish-Allen, R., and McKenzie, M. *Collaborative Tools and Building Blocks: Working toward transformation*, North American Association for Environmental Education (NAAEE) Annual Research Symposium, Madison, WI. 18 October.
- 2016 Phukan, I., Zummo, L., and **Ardoin, N.M.** *The Role of Social Dynamics in Immersive EE Experiences*, Poster at North American Association for Environmental Education (NAAEE) Annual Research Symposium, Madison, WI. 18 October.
- 2016 Phukan, I., **Ardoin, N.M.**, and Zummo, L. *Measuring Learning on the Go: Piloting an art-based embedded assessment*, North American Association for Environmental Education (NAAEE) Annual Research Symposium, Madison, WI. 18 October.
- 2016 Gould R. and **Ardoin, N.M.** *Links between Environmental Learning and Behavior in Everyday Life*, Poster at North American Association for Environmental Education (NAAEE) Annual Research Symposium, Madison, WI. 18 October.
- 2016 Farber, A. and **Ardoin, N.M.** *Assessing Environmental Literacy in the Galápagos Islands School System*, Poster at North American Association for Environmental Education (NAAEE) Annual Research Symposium, Madison, WI. 18 October.
- 2016 **Ardoin, N.M.** ChangeScale: Collective Impact for Environmental Literacy in the San Francisco Bay Area. With panelists: Niepold, F., Leadley, T., Chambers, L., and McDougall, C., Panel: *Enabling Effective Climate Literacy through Collective Impact*. AAAS. Washington, DC. 13 February.
- 2015 Russell, C., **Ardoin, N.M.**, Clark, C., Koushik, J., Lloro-Bidart, T., McKenzie, M, Scully, A., and Stapleton, S. *Navigating Gender in EE Research*, North American Association for Environmental Education (NAAEE) Annual Research Symposium. San Diego, CA. 15 October.
- 2015 Gould, R.K., **Ardoin, N.M.**, and Sponarski, C. *The Nexus of Environmental Learning and Behavior: A Bay Area survey*. NAAEE Research Symposium, San Diego, CA. 15 October.

- 2015 Gould, R.K., **Ardoin, N.M.**, and Wojcik, D. *NAAEE Beyond the Core: Expanding the edges of the environmental learning landscape*. NAAEE Annual Research Symposium. San Diego, CA. 15 October.
- 2015 **Ardoin, N.M.**, Gould, R.K., Thomsen, J., and Wyman Roth, N. *Environmental Learning, Stewardship, and Sustainability at the (Eco)Regional Scale: A San Francisco Bay Area study*. World Environmental Education Congress. Gothenburg, Sweden. 1 July.
- 2015 Reid, A., **Ardoin, N.M.** (Panelist), Lotz-Sisitka, H., McKenzie, M., Ohman, J., Laessoe, J., and Wals, A. *The Contribution of International Research Collectives to Environmental and Sustainability Education Theory and Practice*. World Environmental Education Congress. Gothenburg, Sweden. 29 June.
- 2015 **Ardoin, N.M.** (Panelist). *NAAEE's Perspective on North American Universities and Sustainability Education*. Global Universities Partnership on Environment and Sustainability, UNEP. World Environmental Education Congress. Gothenburg, Sweden. 28 June.
- 2014 Morris, J., **Ardoin, N.M.**, and Taylor, K. *EE Collaboration through a Collective Impact Lens: A San Francisco Bay Area case study*. North American Association for Environmental Education (NAAEE) Annual Conference. Ottawa, Ontario. 9 October.
- 2014 Clark, C., **Ardoin, N.M.**, Wojcik, D., Roth, N., and Gould, R.K. *Best Practices for Team Research Projects*. NAAEE Research Symposium. Ottawa, Ontario. 8 October.
- 2014 Gould, R.K. and **Ardoin, N.M.** *Environmental Learning in Everyday Life: Results from community listening sessions*. NAAEE Research Symposium. Ottawa, Ontario. 7 October.
- 2014 Gould, R.K. and **Ardoin, N.M.** *Environmental Learning and Community Need: Ideas from multiple case-study sites*. NAAEE Research Symposium. Ottawa, Ontario. 7 October.
- 2013 **Ardoin, N.M.**, Hopkins, M., and Stern, M. *Evaluating Factors Contributing to Conservation and Education Outcomes of Toyota TogetherGreen*. NAAEE Annual Conference. Baltimore, MD. 11 October.
- 2013 **Ardoin, N.M.**, Wojcik, D., and Khalil, K. *Understanding the Organizational Landscape of Environmental Learning Opportunities*. NAAEE Research Symposium. Baltimore, MD. 9 October.
- 2013 **Ardoin, N.M.**, Schuh, J., and Gould, R.K. *Environmental Learning and Behavior in Everyday Life: Surveys and community listening sessions*. NAAEE Research Symposium. Baltimore, MD. 9 October.
- 2013 Hart, P., Dillon, J., and **Ardoin, N.M.** *Publishing in Peer-Reviewed Journals: A discussion with journal editors*. NAAEE Research Symposium. Baltimore, MD. 9 October.
- 2013 **Ardoin, N.M.**, O'Connor, K., and DiGiano, M. *Measuring "Slippery" Concepts: Three new tools for evaluating residential environmental education*. NAAEE Research Symposium. Baltimore, MD. 9 October.
- 2013 Heimlich, J., **Ardoin, N.M.**, Clark, C., Braus, J., and Ballard, H. *The Landscape of the Field of Environmental Education: A conceptual framework*. NAAEE Research Symposium. Baltimore, MD. 9 October.

- 2013 Powell, R., Stern, M., and **Ardoin, N.M.** *A Systematic Investigation of the Factors that Contribute to Successful Conservation Outcomes*. International Symposium on Society and Resource Management. Estes Park, CO. 3–5 June.
- 2012 Gould, R.K., **Ardoin, N.M.**, and Daily, G. *The Forest Has a Story: Cultural ecosystem services in Kona, Hawai'i*. American Anthropological Association, San Francisco, CA. 18 November.
- 2012 O'Connor, K. and **Ardoin, N.M.** *Innovative Metrics for Measuring Residential Environmental Education Outcomes*. American Evaluation Association. Minneapolis, MN. 24 October.
- 2012 **Ardoin, N.M.** and Wojcik, D. *Expanding EE to Investigate Environmental Learning in Our Everyday Lives*. NAAEE Research Symposium. Oakland, CA. 10 October.
- 2012 Wojcik, D., Clark, C., and **Ardoin, N.M.** *Are We Insular? Investigating co-publication networks of EE researchers*. NAAEE Research Symposium. Oakland, CA. 10 October.
- 2012 O'Connor, K., Biedenweg, K., **Ardoin, N.M.**, and DiGiano, M. 2012. *Residential Environmental Education: Innovations in measuring outcomes*. NAAEE Research Symposium. Oakland, CA. 10 October.
- 2012 Gould, R.K. and **Ardoin, N.M.** *Combining Cultural and Environmental Education for Middle Schoolers in Hawai'i*. Poster at NAAEE Research Symposium. Oakland, CA. 9 October.
- 2012 Gould, R.K., Klain, S., Satterfield, T., Chan, K., and **Ardoin, N.M.** *Piloting an Interview Protocol for Assessing Cultural Ecosystem Services in Two Sites*. Ecological Society of America. 9 August.
- 2012 Wheaton, M., **Ardoin, N.M.**, Durham, W., and Hunt, C. (D. Wojcik, presenter). *Nature-Based Tourism as a Facilitator of Pro-Environmental Behavior*. International Symposium for Society and Resource Management. Edmonton, AB, Canada. 20 June.
- 2012 Hofstedt, M., **Ardoin, N.M.**, and Castrechini, S. *Youth–Community–University Partnerships and Sense of Place: Two case studies of youth participatory action research*. American Educational Research Association. Vancouver, BC, Canada. 13 April.
- 2011 **Ardoin, N.M.**, Khalil, K., and O'Connor, K. *Girls Learning Environment and Energy (GLEE): An environmental curriculum designed using principles of behavioral science*. NAAEE Annual Conference. Raleigh, NC. 13 October.
- 2011 Boudet, H., Robinson, T., **Ardoin, N.M.**, Flora, J., and Armel, C. *Changing Behavior to Combat Climate Change: The Girl Scouts Girls Learning Environment and Energy (GLEE) program*. American Collegiate Schools of Planning Conference (Salt Lake City, UT; 13 October) and Behavior, Energy and Climate Change Conference. Washington, DC, 1 December.
- 2011 **Ardoin, N.M.**, Powell, R., and Stern, M. *Assessing Audubon's TogetherGreen: What leads to successful conservation grants?* NAAEE Research Symposium. Raleigh, NC. 12 October.
- 2011 **Ardoin, N.M.**, Clark, C., and Kelsey, E. *Research in Environmental Education: Current trends and future opportunities*. NAAEE Research Symposium. Raleigh, NC. 12 October.
- 2011 **Ardoin, N.M.**, Boudet, H., Khalil, K., and O'Connor, K. *Girls Learning Environment and Energy (GLEE): Randomized controlled-trial testing of energy efficiency curriculum*. NAAEE Research Symposium. Raleigh, NC. 11 October.

- 2011 **Ardoin, N.M.**, Clark, C., and Kelsey, E. *Indicators for Environmental Education Research: 2015 and beyond*. Eleventh Invitational Seminar on Environmental Education Research. Queenscliffe, Australia. 16 July.
- 2011 **Ardoin, N.M.** and Stedman, R. *Sense of Place: Questions of mobility, power, and place in environmental education*. International Symposium on Society and Resource Management. Madison, WI. 4–8 June.
- 2011 Gould, R.K. and **Ardoin, N.M.** *Reforestation and Cultural Ecosystem Services in Hawai'i*. International Symposium on Society and Resource Management. Madison, WI. 4–8 June.
- 2010 Lukacs, H. and **Ardoin, N.M.** *Sense of Place as a Motivating Factor for Volunteering in Appalachian Watershed Groups*. International Symposium on Society and Resource Management. Corpus Christi, TX. 6–10 June.
- 2010 **Ardoin, N.M.** Discussant. *The Social Ecologies of Learning in Environmental Education*. American Educational Research Association Annual Conference, Denver, CO. 1 May.
- 2009 **Ardoin, N.M.** *Philanthropic Support of Environmental Education*. North American Association for Environmental Education Annual Conference, Portland, OR. 8–11 October.
- 2009 Stern, M., **Ardoin, N.M.**, and Powell, R. *Lessons from NorthBay: EE for the hip-hop generation*. NAAEE Annual Conference, Portland, OR. 8–11 October.
- 2009 Stern, M., **Ardoin, N.M.**, and Powell, R. *Evaluating NorthBay's Multi-Media Approach to Intertwining EE with Character Development*. NAAEE Annual Research Symposium, Portland, OR. 6–7 October.
- 2009 **Ardoin, N.M.** *Sense of Place and Environmental Behavior at an Ecoregional Scale*. NAAEE Annual Research Symposium, Portland, OR. 6–7 October.
- 2009 **Ardoin, N.M.** *Environmental Education: A strategy for the future*. Environmental Grantmakers Association Annual Retreat, Anchorage, AK. 29 September.
- 2009 **Ardoin, N.M.** *Being an Interdisciplinary Environmental Education Researcher*. American Educational Research Association, San Diego, CA. 15 April.

CAMPUS TALKS

- 2017 *Pre-Release Film Screening of "An Inconvenient Sequel: Truth to Power" (Panel)*. Sponsored by the Graduate School of Education, MediaX, Woods Institute for the Environment, Bishop Auditorium, 19 June.
- 2017 *Film Screening of "Tomorrow" (Panel)*. Sponsored by Stanford Woods Institute for the Environment, Department of Biology, and Jasper Ridge Biological Station, Students for a Sustainable Stanford, Cubberley Auditorium, 17 April.
- 2017 *Climate Change and the Environment (Panel). Making Sense of the Trump Presidency*, Stanford Continuing Studies, Cemex Auditorium, 12 March.
- 2016 *Moderator: Bill Nye the Science Guy*. Stanford Graduate School of Education Cubberley Lecture, 5 May.

- 2015 *Environmental Behavior and Environmental Learning: Researching individuals and communities working toward sustainability.* Woods Environmental Forum, Stanford Woods Institute for the Environment, 5 February.
- 2014 *Community-Engaged Research, Youth Participatory Action Research, and Community-University Partnerships: Better research—or cans of worms?* Stanford Center for Ethics in Society and the Stanford Graduate Summer Institute, 11 September.
- 2014 *Environmental Learning and Behavior: Networks, place connections, and stewardship.* New Faculty Seminar Series, Energy and Environment Affiliates Program, 29 April.
- 2014 *Facilitating Pro-Environmental Behavior: Leveraging nature-based tourism experiences into everyday stewardship.* Woods Institute for the Environment Faculty Retreat, 25 April.
- 2013 *Peering into the “Black Box:” Exploring intermediary outcomes in environmental field science programs.* Graduate School of Education Faculty Seminar, 21 May.
- 2012 Panelist. *Nature-Based Tourism and Stewardship Behaviors.* Celebrating Sustainability at Stanford, 7 May.
- 2012 *Environmental Learning and Behavior: A case study of nature-based tourism.* Woods Institute for the Environment Faculty Retreat, 14 April.
- 2010 *Community-Based Natural Resource Management, Sense of Place, and Environmental Education.* Stanford Alumni Association, Fall Reunion, 22 October.
- 2010 *Environmental Philanthropy, Green Buildings, and Behavior: Current projects and future directions.* Chocolate Talk Series, Woods Institute for the Environment, 6 May.
- 2010 *Sense of Place and Behavior: Educating and communicating for environmental change.* Jasper Ridge Speaker Series, 12 January.
- 2009 Panelist. *Environmental Education Research: A brief overview.* Graduate School of Education Orientation, 16 September.
- 2008 *Sense of Place and Environmental Behavior at an Ecoregional Scale.* Environmental Forum, Woods Institute for the Environment, Stanford University, 4 December.

TEACHING

Stanford University, Graduate School of Education

Theory and Practice of Environmental Education: *Annually since 2009*, Spring Quarter

Science and Environmental Education in Informal Settings: *Annually since 2011*, Winter Quarter

Qualitative Interviewing; *Annually since 2017*, Winter Quarter

*On Sabbatical 2013–2014

Stanford University, Emmett Interdisciplinary Program on Environment and Resources, School of Earth, Energy, and Environmental Sciences

Research Methods for Environmental Problem Solving (Ph.D.-only): *Annually since 2009*, Spring Quarter; Co-Instructor: Prof. Peter Vitousek (Biology)

Capstone Project Seminar in Environment and Resources (Master's-only): *Annually since 2018*, Winter Quarter; Co-Instructor: Anjana Richards (EIPER)

Special Seminar: Environmental Learning and Behavior (graduate): Autumn 2012

Special Seminar: Sense of Place (graduate and postdoctoral): Winter 2009

Stanford University, Sophomore College

Down the Colorado River: Water in the American West as Seen from a Raft in the Grand Canyon (Sophomore College), Lane Center for the American West; Co-Instructors: Profs. David Kennedy (History), Buzz Thompson (Law), David Freyberg (Geology): Summer/Autumn 2011

Stanford University, Woods Institute for the Environment

Interdisciplinary Problem Solving: The Case of Stormwater Runoff in Monterey Bay (graduate), Center for Ocean Solutions and Woods Institute for the Environment: Autumn 2010

Interdisciplinary Problem Solving: The Case of Mountain Lions at Jasper Ridge Biological Preserve (graduate and postdoctoral), Woods Institute for the Environment: Autumn 2010

Yale University, School of Forestry and Environmental Studies, Teaching Fellow

Issues and Approaches in Environmental Education, with Prof. Stephen Kellert (graduate-level course): 2002, 2004, 2005

Sustainable Development and Conservation, with Prof. Carol Carpenter (graduate-level course), School of Forestry and Environmental Studies: 2002

RELATED PROFESSIONAL EXPERIENCE

- | | |
|-----------|---|
| 1998–2001 | Education and Exhibits Specialist, World Wildlife Fund, Washington, DC |
| 1995–1996 | Environmental Educator and Natural History Interpreter, Discovery Creek Children's Museum of Washington, Washington, DC |
| 1994 | Interpretive Ranger, Student Conservation Association and National Park Service, Grand Canyon National Park, Arizona |

PROFESSIONAL SERVICE

Editorial and Journal Service

Associate Editor, *Environmental Education Research*: 2011–present

Consulting Editor, *Journal of Environmental Education*: 2008–present

Consulting Editor, *Children, Youth, and Environments*: 2012–present

Consulting Editor, *Environmental Education Research*: 2008–2011

Peer Reviewer, *Applied Environmental Education & Communication*; *Climate Change*; *Conservation Biology*; *Conservation and Society*; *Environment and Behavior*; *International Journal of Science Education*; *PLOS One*: Various dates, 2005–present

Board Memberships

Trustee, George B. Storer Foundation, 2016–present

Education Advisory Council Chair, NatureBridge: 2011–present (EAC Member, 2008–2010)

Member, Program Committee of the Board of Directors, Monterey Bay Aquarium: 2011–present

North American Association for Environmental Education (NAAEE): Advisory Council Member, 2015–present; Secretary, 2006–2007; At-Large Board Member, 2008–2011; Chair of Personnel Committee, 2005–2011

Advisory Council Member, Brainerd Foundation: 2013–2016

Board Member, Connecticut Outdoor and Environmental Education Association: 2001–2003

Selected Professional Service to the Field

Chair and Co-Chair, Research Symposium, North American Association for Environmental Education: 2016–2018

Co-Chair, Research and Evaluation Strand, World Environmental Education Congress: 2017

Participant, *Working Group, Advancing the Science of Knowledge Use: Mechanisms, Applications, and Gaps*, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD, 2017–present

Member, Education Operating Committee, Project Learning Tree, American Forests Foundation: 2015–present

Member, Scientific Advisory Board, Children and Nature Network: 2016–present

Member, National Advisory Panel on Environmental Literacy, Chesapeake Bay Foundation and North American Association for Environmental Education: 2016–present

Education Advisory Council Member, Teton Science Schools: 2015–present

Founding Member and Advisory Council Member, Blue Sky Funders Forum: 2012–2014; Member, Nonprofit Advisory Group: 2015–present

Advisory Board Member, VidaVerde Nature Education: 2014–present

Advisory Board Member, *Environmental Literacy in the United States: An agenda for leadership in the 21st Century*, National Environmental Education Foundation and the U.S. Fish and Wildlife Service: 2012–present

Advisory Board Member, *National Residential Outdoor Science Program Project: Sharing effective practices*, Lawrence Hall of Science, University of California, Berkeley: 2012–present

Research Advisor, ChangeScale (formerly, the Environmental Education Collaborative): 2011–present

Research Advisor, Walt Disney World's Corporate Citizenship Team's *Connecting Kids to Nature* Research and Evaluation Initiative: 2011–present

Member, Society for Conservation Biology Education Committee: 2006–present

NSF Review Panelist, Anthropology and Archaeology Panel, Graduate Research Fellowship: 2016

Invited Participant, *Summit on Assessment of Informal and After-School Science Learning*, National Research Council and National Academies of Science, Irvine, CA: June 10–12, 2012

Advisor, *Report on Environmental Literacy in the United States: An agenda for leadership in the 21st Century*, U.S. Forest Service and the National Environmental Education Foundation: 2012

Nonprofit Representative to the Environmental Education Advisory Council of the U.S. Environmental Protection Agency: 2007–2010

Grant Proposal Reviewer for U.S. Environmental Protection Agency's Environmental Education Grants Program: 2001–2009

UNIVERSITY SERVICE

Member, Director's Council, Hasso Plattner School of Design (the d.school), 2018–present

Member, Faculty Advisory Council, d.school, 2018–present

Member, Faculty Advisory Committee, John Gardner Center for Youth and Their Communities, 2017–present

Member, Education Group, President's Long-Range Planning Initiative: 2017–present

Chair and Co-Chair, Environmental Venture Projects Selection Committee, Stanford Woods Institute for the Environment: 2015–2017

Member, Faculty Advisory Group, Sustainability Science and Practice/Leadership for Sustainability Master's Program, School of Earth, Energy, and Environmental Sciences: 2016–present

Member, Faculty Advisory Committee, Haas Center for Public Service: 2015–present

Member, IRB 2 Panel: Administrative Panel on Human Subjects in Nonmedical Research: 2015–present

Faculty Chair, Young Environmental Scholars Conference for Graduate and Postdoctoral Scholars, Stanford Woods Institute for the Environment: 2008–2012; 2015–present

Member, Provost's Advisory Committee on Postdoctoral Affairs: 2014–present

Dean's Faculty Advisory Committee, Graduate School of Education: 2014–present

Member, Faculty Advisory Committee and Affiliated Faculty, Stanford Center on Philanthropy and Civil Society: 2010–present

Member, Faculty Advisory Committee, Emmett Interdisciplinary Program on Environment and Resources: 2010–present

Member, Committee of the Whole, Earth Systems Program, School of Earth, Energy and Environmental Sciences: 2009–present

Member, Jasper Ridge Biological Preserve Advisory Committee: 2009–present

Chair, Admissions Committee, Emmett Interdisciplinary Program on Environment and Resources, School of Earth Sciences: 2016–2017; Committee Member 2009–2012; 2014–2016

Search Committee Member, Director, Stanford Woods Institute for the Environment: 2015–2016

Review Committee, Philanthropy and Civil Society Fellowships, Stanford Center on Philanthropy and Civil Society: 2010–2013

Chair, Education Committee, Woods Institute for the Environment: 2008–2013

Faculty Lead, Navigating Interdisciplinary Waters Project, Emmett Interdisciplinary Program on Environment and Resources (funding from the SCORE grant, Vice Provost for Graduate Education): 2009–2012

Member, Planning Committee, Follow-up to Stanford's Environment and Sustainability Initiative, School of Earth Sciences and Woods Institute for the Environment: 2011–2012

Member, Faculty Advisory Board, Commercial Outfitting and the Wilderness Act Uncommon Dialogue, Woods Institute for the Environment: February 2012

Faculty Panel Judge, Learning Design and Technology Expo, Graduate School of Education: 2012

Ecuador's Educational Policy 2006–2012 and the Development of a New Science Curriculum: Potential Impacts on Galapagos; Host of Official Ecuadorian Ambassadorial Delegation at Stanford: 16 May 2012

Search Committee, Stanford Postdoctoral Scholar in Natural and Cultural Heritage, Archeology Center and Woods Institute for the Environment: 2010–2011

GRADUATE STUDENT AND POSTDOCTORAL SUPERVISION

Current Ph.D. Advisees, Program, and Research Topics (Alphabetical Order)

Jenna Forsyth, Emmett Interdisciplinary Program on Environment and Resources (E-IPER), *Social Ecology and Health Promotion*

Kristen Green, E-IPER, *Climate Change Impacts on Access to Coastal Resources by Subsistence Harvesters in Arctic National Parks*

Archana Kannan, Graduate School of Education (GSE), *Systematic and High-Quality Evaluation in Environmental and Informal Science Education Initiatives*

Anna Lee, E-IPER, *Motivations and Knowledge Sources Affecting Farmers' Market Experience*

Indira Phukan, GSE, *Characterizing the Culture of Environmental Education through Analyzing Rich Points in Field Settings*

Francisca Santana, E-IPER, *Social-Ecological Dynamics of Coastal Regions: The Gulf Coast as a case study*

Shannon Swanson, E-IPER, *Community Engagement and Participatory Resource Management in Coastal Areas*

Jose Urteaga, E-IPER, *Exploring Small-Scale Fisheries Governance in Nicaragua: Community-based conservation and social strategies for engagement*

Lynne Zummo, GSE, *Environmental Science Education in Formal and Informal Settings*

Ph.D. Committee Member

Staci Lewis, E-IPER, *The Belau Watershed Alliance: A case study of a bridging organization in Palau*

Monique Markoff Harrison, Graduate School of Education (GSE), Co-Advisor, *Diversity, Equity, and Inclusion in the Outdoor Recreational Settings*

Julia Mason, Department of Biology, *Social Dimensions of Peruvian Fisheries*

Ciara Wirth, Department of Anthropology, *Effects of Formal Schooling on Waodani Ecological Knowledge and Trust*

Masters Co-Term Advisor

Emily Dial, Earth Systems

Sierra Garcia, Earth Systems

Undergraduate Honor's Thesis Advisor

Kira Smiley, Earth Systems, Thesis Title: *Forming and Informing Perceptions of Controversial Environmental Topics: Landholders' perceptions of wind turbine impact on white-tailed eagle in the Finnish Archipelago*

Completed Ph.D. Advisees

Advisees

K.C. Busch, 2016, Graduate School of Education, *Why Words Matter: The framing of climate change in school science* (Co-advised with Jonathan Osborne)

Rebecca Niemiec, E-IPER, 2018, *The Multi-Scalar Drivers of Resident Invasive Species Control Action on the Island of Hawai'i* (Co-advised with Greg Asner)

- Kathleen O'Connor, 2016, Graduate School of Education, *The Development of Environmental Identity among Participants in Residential Environmental Education Programs*
- Nik Sawe, 2016, E-IPER, *Environmental Decisionmaking and Risk Perception: Effects of place-related connections and implications for philanthropy* (Co-advised with Brian Knudsen)
- Matthew Biggar, 2015, Graduate School of Education, *Everyday Life Behavior and the Environment: The role of self-interest, conditions, and learning in personal transportation choices*
- Rebecah Davis Busselle, 2015, Graduate School of Education, *Climate Change Education: Using the Goal Frame Theory to encourage climate-friendly behavior* (Co-advised with Rich Shavelson)
- Daniel Reineman, 2015, E-IPER, *The Human Dimensions of Wave Resource Management in California* (Co-advised with Meg Caldwell)
- Amanda Cravens, 2014, E-IPER, *Learning Design and Technology as Supports and Facilitators for Environmental Conflict Resolution* (Co-advised with Janet Martinez)
- Kathayoon Khalil, 2014, Graduate School of Education, *Social Learning Systems in Zoo and Aquarium Education*; Currently: Principal Evaluator, Seattle Aquarium
- Heather Lukacs, 2014, E-IPER, *Sustaining the Benefits of Stream Restoration by Watershed Groups in Appalachia* (Co-advised with Len Ortolano)
- Marilyn Cornelius, 2013, E-IPER, *Designing for Behavior Change: Using behavior theory to reduce energy use in California*
- Rachelle Gould, 2013, E-IPER, *Reforestation and Cultural Ecosystem Services in Kona, Hawai'i* (Co-advised with Gretchen Daily)
- Noa Lincoln, 2013, E-IPER, *The Ethno-Agroecology of the Kona Field System, Hawaii Island, Hawaii: Co-evolution of environment, agricultural practice, and society* (Co-advised with Peter Vitousek)
- Jennifer Wang, E-IPER, 2018, *Putting Individuals in Context: Interdisciplinary and behavioral science approaches for understanding environmental and human health decisions* (Co-advised with Dale Miller)

Committee Member

- Tanner Veal, 2018, Graduate School of Education, *Humans, Animals, and Environment: Understanding and designing for the learning of ethical convictions*
- Aaron Strong, 2016, E-IPER, *Barriers to Including Biogeochemical Data in Ecosystem-Based Management across Governance Scales in the Context of Managing Land-Ocean Coupled Human-Natural System Problems*
- Lauren Oakes, 2015, E-IPER, *Sustaining Forest Communities in a Changing Climate: Identifying social and ecological responses to yellow-cedar decline in southeast Alaska's coastal rainforests*
- Evan Szu, 2015, Graduate School of Education: *Science in Popular Television: Comparing perspectives of middle school students, university students, and media makers*
- Nicola Ulibarri, 2015, E-IPER, *Collaborating for People and Nature: Assessing the impacts of collaborative governance in federal hydropower licensing*
- Mehana Blaich Vaughan, 2012, E-IPER: *Community-Based Conservation, Resource Management, and Environmental Learning among Native Hawaiian Communities*
- Alice Fu, 2011, Graduate School of Education: *Designers as Brokers: The development of field trip programs at three informal science institutions*

Completed Master's Degree Advisees

- Mary Boyer, Latin American Studies, 2016

Amelia Farber, Latin American Studies, 2016; Capstone Paper: *Formal Environmental Education for Students in the Galapagos Islands, Educator: Ecological knowledge as a partial proxy for environmental literacy*

Samantha Selby, 2016, International Comparative Education and International Education Policy Analysis, Graduate School of Education; Capstone Paper: *Developing Sustainable Leadership and Environmental Education for Youth in Rural Costa Rica: A mixed-methods analysis*

Annika Alexander-Ozinkas, 2013, Earth Systems, Focus: Education and Communications

Lindley Mease, 2013, Earth Systems, Focus: Education and Community-Based Conservation

Robert Jackman, 2012, Public Policy, Focus: Environmental and Education Policy

Tessaly Jen, 2012, Earth Systems, Focus: Education and Communications

Gretchen O’Henley, 2012, Earth Systems, Focus: Education and Communications

Lauren Kubiak, 2011, Earth Systems, Focus: Environmental Education and Communications; Thesis: *The Nantucket Model: Two case studies in zero waste feasibility*

Gina Lappé, 2011, Earth Systems, Focus: Environmental Education

Undergraduate Thesis Advisees

Amelia Farber, 2015, Anthropology; Goldman Environmental Honors Thesis Program (Woods Institute for the Environment): *Environmental Literacy in the Galapagos Islands: Understanding the baseline*

Hannah Rich, 2013, Earth Systems; Honors Thesis in Education: *School Gardens in South Africa as a Site of Food Security, Education, Environmental Awareness, and Civic Engagement*; Winner, Firestone Award for Excellence in Undergraduate Research and Scholarship

Molly Oshun, 2011, Engineering; Thesis: *Collaborative Neighborhood Planning Processes: A Seattle case study*

Susan Rebellon, 2011, Earth Systems; Thesis: *Recycling Systems and Incentives in Amazonian Ecotourism*

Former Postdoctoral Scholars

Hilary Boudet, *Behavioral Science Strategies for Motivating Environmental Behavior for Residential Energy Efficiency* (Co-Advised with Thomas Robinson, M.D., School of Medicine and Health Prevention Research Center), 2010–2012

Rachelle Gould, *Environmental Learning and Environmental Behavior within a Community-Based Paradigm*, 2013–2015

Carter Hunt, *Nature-Based Tourism as a Motivation for Environmental Behavior* (Co-Advised with William Durham, Anthropology), 2009–2012

Janel Schuh, *Environmental Communication and Sense of Place as an Avenue toward Social Change*, 2012–2014

Carly Sponarski, *Motivating and Sustaining Pro-Ocean Literacy and Behavior*, 2015–2016

Jennifer Thomsen, *Environmental Learning and Environmental Behavior as Evidenced in the San Francisco Bay Area Case Studies*, 2014–2015

Mele Wheaton, *Nature-Based Tourism as a Platform for Informal Science Education and Environmental Behavior*, 2011–2015

Deborah Wojcik, *Organizational Network Analysis of Environmental Learning in the San Francisco Bay Area*, 2012–2013

VISITING SCHOLARS

Professor Noah Feinstein, University of Wisconsin, Madison, 2016–2017

Dr. Elin Kelsey, Royal Roads University, 2018

Professor Alan Reid, Monash University, 2017

Professor Tanja Srebotnjak, Harvey Mudd College, 2018

Professor Dilafroz Williams, Portland State University, 2012, 2018–2019

AWARDS AND HONORS

2018–2019	Inaugural Cohort, Leading Interdisciplinary Collaborations(LINC) Fellow, Stanford Woods Institute for the Environment
2018	Roland Volunteer Service Prize, Haas Center for Public Service, Stanford University
2017–2018	Stanford University Faculty Scholar
2017	Osher Fellow, Exploratorium
2016	Outstanding Contributions to Research in Environmental Education Award, North American Association for Environmental Education
2015–2016	Haas Faculty Fellow, Haas Center for Public Service, Stanford University
2014	President’s Award, North American Association for Environmental Education
2011–2012	Inaugural Cohort, Women’s Voice and Influence Program, Clayman Institute for Gender Studies, Stanford University
1999	World of Difference Award, World Wildlife Fund
1998	Outstanding Graduate Assistant Award, University of Wisconsin, Stevens Point

PH.D. RESEARCH GRANTS AND FELLOWSHIPS

2008–2009	Switzer Leadership Grant
2007	Reverend Albert A. Nielsen Award in Environmental Values and Ethics
2006	Morris K. Udall Environmental Public Policy and Conflict Resolution Fellowship
2001–2004	Ecoregion Conservation Research Grant, World Wildlife Fund
2003	Switzer Environmental Fellowship

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

American Educational Research Association; Ecological Society of America; International Association for Society and Natural Resources; North American Association for Environmental Education; Society for Conservation Biology; Visitor Studies Association