

MARC J. STERN

Professor

Department of Forest Resources and Environmental Conservation, Virginia Tech
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EDUCATION

Yale University. Ph.D. in Social Ecology with distinction. May 2006.

Dissertation title: *Understanding local reactions to national parks: The nature and consequences of local interpretations of park policies, management, and outreach.*

Advisor: Dr. William R. Burch, Jr.

Yale University School of Forestry and Environmental Studies. Master of Environmental Science. May 2002.

Thesis title: *Building Local Support for Protected Areas: A comparative study of the measurement and significance of attitudes and perceptions toward two national parks.*

Advisor: Dr. Stephen Kellert

Cornell University. B.S. in Natural Resources with Honors. May 1998.

Senior Honors Thesis: *Cultural Erosion in the High Country: A Study of Management, Ecology and Sherpa Culture in Sagarmatha National Park, Khumbu, Nepal.*

Advisors: Dr. Barbara Bedford and Dr. John Schelhas

SPONSORED RESEARCH

(Total amount of sponsored research funding: \$7,842,057)

What leads to better outcomes in informal STEM-based environmental education programs for youth?

(Oct 2019 – Dec 2023)

Sponsor: National Science Foundation

Co-PI: Bob Powell, Clemson University

Collaborative research: Effective environmental workshop facilitation and local community action (Dec 2018 – Nov 2023)

Sponsor: National Science Foundation

Co-PI: Lara Hansen, EcoAdapt

Identifying the drivers of success in educational programs at nature centers and national parks in the United States (Dec 2016-Nov 2019)

Sponsor: Institute for Museum and Library Services

Co-PI: Bob Powell, Clemson University

Methods development for systematic investigation of factors driving outcomes in informal STEM environmental education programs (Oct 2016-Oct 2018)

Sponsor: National Science Foundation

Co-PI: Bob Powell, Clemson University

Investigating pedagogical approaches and student outcomes at the NorthBay Adventure Center (May 2015- May 2021)

Sponsor: NorthBay Adventure Center

Navigating collaboration and NEPA at the landscape scale (Aug 2012 – Aug 2017)

Sponsor: USDA Forest Service, Focused Science Delivery Program

National Parks and communities climate adaptation workshop (Aug 2014 – July 2015)

Sponsor: National Science Foundation

Co-PIs: Karen Hevel-Mingo and Jodie Riesenberger, NPCA

- Sustaining ecological communities through citizen science and online collaboration** (Sep 2012 - Aug 2016)
Sponsor: National Science Foundation
Co-PIs: Rebecca Jordan (Rutgers University), Cindy Hmelo-Silver (Indiana University), Steven Gray (Michigan State University)
- Investigating the value of nature centers in communities** (Dec 2012 – Feb 2016)
Sponsor: Institute for Museum and Library Services
Co-PIs: Nicole Ardoin, Stanford University and Joe Heimlich, The Ohio State University
- Sustainability networks in Bali, Indonesia** (Oct 2013 – Jul 2014)
Sponsor: Center for Leadership in Global Sustainability
- Complexity and risk in Forest Service planning processes** (Aug 2010 – Jun 2014)
Sponsor: USDA Forest Service, Focused Science Delivery Program
Co-PI: Wayde Morse, Auburn University
- Evaluating the conservation impacts of Audubon’s TogetherGreen programs** (Jul 2008 – May 2014)
Sponsor: National Audubon Society
Co-PIs: Nicole Ardoin, Stanford University, and Bob Powell, Clemson University
- Community responses to the Andros West Side National Park expansion** (Jan 2013 – Jul 2013)
Sponsor: Bahamas National Trust
- Assessing the health of interpretation and education in the National Park Service** (Sep 2009 – Dec 2013)
Sponsor: National Park Service
Co-PI: Bob Powell, Clemson University
- Success in Forest Service NEPA projects and its determinants** (Sep 2007 – Sep 2013)
Sponsor: USDA Forest Service, Pacific Northwest Research Station
- Evaluation and research of environmental education at Everglades National Park** (Aug 2011-May 2013)
Sponsor: South Florida National Parks Trust
Co-PIs: Bob Powell and Greg Ramshaw, Clemson University
- Assessing quality indicators for interpretive programs in the National Park Service** (Jun 2010 – Sep 2012)
Sponsor: Center for Parks Management
Co-PI: Bob Powell, Clemson University
- National Leadership Planning Grant: Investigating the value of nature centers in communities** (Oct 2010 – Sep 2011)
Sponsor: Institute for Museum and Library Services
Co-PIs: Nicole Ardoin, Stanford University and Joe Heimlich, The Ohio State University
- Research for sustainable adaptive management of environmental outreach at Great Smoky Mountains National Park** (Dec 2007 – Jun 2011)
Sponsor: Friends of Great Smoky Mountains National Park
Co-PI: Bob Powell, Clemson University
- Agency decision-making and NEPA in recreation management projects** (Aug 2007 – Dec 2010)
Sponsor: USDA Forest Service, Pacific Northwest Research Station
- The resilience of community-based conservation in Nepal to the Maoist insurgency** (Jan 2007 – Dec 2009)
Sponsor: Rufford Foundation
Co-PI: Nabin Baral
- Landowner motivations for participation the Blue Ridge Forestry Cooperative** (Nov 2007 – Oct 2008)
Sponsor: U.S. Department of Agriculture (Value-Added Producer Grant)
Co-PIs: David Robertson, John Munsell, Bruce Hull (all Virginia Tech)

Comparing NEPA processes across federal land management agencies (Jul 2006 – Jul 2007)

Sponsor: USDA Forest Service, Pacific Northwest Research Station

Co-PI: Michael Mortimer, Society of American Foresters; Adjunct Faculty, Virginia Tech

Understanding local reactions to national parks (Aug 2002 – Dec 2005)

Sponsor: Canon National Parks Science Scholarship; Yale School of Forestry and Environmental Studies Research Grant

Building local support for protected areas (May 2001 – May 2002)

Sponsor: Doris Duke Conservation Fellowship; Tropical Resources Institute

TEACHING

Fellow (2013-2019); Senior Fellow (2019 – present)

Arlington, VA

Center for Leadership in Global Sustainability

January 2013 - Present

- Teach modules on field methods, collaboration, trust, and leadership to Executive Masters of Natural Resources students
- Teach NR 5884: Strategies for Sustainability and NR 5114: Global Issues in Sustainability – including overseas experiences
- Designed and delivered Professional Certificate in International Sustainability Consulting (including study abroad fieldwork in Bali, Indonesia).

Professor (2018-present); Associate Professor (2011-2018), Assistant

Blacksburg, VA

Professor (2006-2011)

July 2006 - Present

Virginia Polytechnic Institute and State University

- Graduate teaching: Social Science Research Methods in Natural Resources, Graduate Seminar: Human Dimensions of Natural Resource Management, Professional Certificate in International Sustainability Consulting
- Undergraduate teaching: Environmental Education Service Learning, Environmental Interpretation, Field Experiences in Forest Resources: Conflict Resolution Module
- Guest lectures: Evaluation Research in Education, Outdoor Recreation Planning, Introduction to Renewable Natural Resources, Mountain Geography, Agroforestry, Forest Resource Policy, Policy Implementation, Forestry Graduate Seminar

Teaching Fellow

New Haven, CT

School of Forestry and Environmental Studies, Yale University

July 2002 - May 2003

- Designed syllabus for graduate level Social Science Research Methods course
- Shared lecture responsibilities with faculty member, graded assignments, held regular office hours, and advised students on their own research projects.

Senior Instructor/Staff Training Coordinator

Ithaca, NY

Cornell Outdoor Education

December 1995 – April 1998

- Planned and taught accredited overnight and extended backpacking, natural history, and wilderness skills courses in New York, Vermont, and Arizona.
- Planned, facilitated, and led workshops, discussions, and training activities for staff.

Teaching Assistant

Ithaca, NY

Department of Natural Resources, Cornell University

August – December 1996

- Taught species identification, field methods of wildlife research, and outdoor skills to 2nd and 3rd year Natural Resource majors.
- Advised students in their own independent research projects and co-designed and graded exams.

GRADUATE ADVISING

Committee chairperson (major professor) for the following graduate students:

Jennifer Brousseau (Ph.D.): Catalyzing collective action for climate adaptation. *Expected completion Spring 2023.*

Caleb O'Brien (Ph.D.): Learning in climate adaptation workshops. *Expected completion Spring 2023.*

Malia Pownall (M.S.): What leads to better outcomes in environmental education programs for diverse youth? *Expected completion Spring 2022.*

Emily Thorpe (M.S.): Structure vs. autonomy in environmental education. *Expected completion Spring 2022.*

Kelley Anderson (Ph.D.): Urban environmental education. *Expected completion Spring 2021.*

Daniel Pratson (M.S.): Organizational impacts on the quality of environmental education programming in the United States. *Completed: Spring 2019.*

Kristin Hurst (Ph.D.): Civilizing political discourse through identity theory and moral foundations theory. *Completed: Spring 2019.*

Hannah Lee (M.S.): Integrating environmental education into school curricula. *Completed: Spring 2019.*

Brandon "Troy" Frensley (Ph.D.): Investigating pedagogical approaches and student outcomes at the Northbay Adventure Center. *Completed: Spring 2018.*

Brittany Hoffman (M.S.): Ecotourism and cultural preservation in Bali, Indonesia. *Completed: Spring 2017.*

Tyler Hemby (M.S.): Integrating social and spatial factors in predicting conservation easement adoption in Virginia. *Completed: Fall 2016.*

Kimberly Coleman (Ph.D.): Navigating collaboration and NEPA at the landscape scale. *Completed: Spring 2016.*

Matthew Browning (Ph.D.): Investigating the value of nature centers to their communities. *Completed: Summer 2015.*

Kevin McLean (M.S.): Assessing quality indicators for interpretive programs in the National Park Service. *Completed: Spring 2013.*

Katie Hoover (Ph.D.): Public Involvement in Forest Service Planning. *Completed: Spring 2012.*

Caysie Martin (M.S.): Risk management in United States Forest Service National Environmental Policy Act planning processes. *Completed: Spring 2012.*

Curt Gervich (Ph.D.): Diversified, compromised and conflicted aspirations: understanding network governance in sustainable development initiatives in Appalachia. *Completed: Spring 2010.*

Mary Elizabeth Wright (M.S.): Barriers to and motivations for participation in education programs at Great Smoky Mountains National Park. *Completed: Spring 2010.*

Nabin Baral (Ph.D.): Exploring institutional resilience of community-based conservation to the Maoist insurgency in Nepal. *Completed: Fall 2009.*

I've served on the graduate committees of over 25 other Masters and PhD students.

POSTDOCTORAL SUPERVISION

S. Andrew Predmore, June 2009 – June 2011.

Nabin Baral, April 2010 – January 2011.

HONORS AND AWARDS

- 2019 Rabel J. Burdge and Donald R. Field Outstanding Article Award for best general resource article published in 2018 in *Society & Natural Resources*.
- 2019 Named Senior Fellow, Center for Leadership in Global Sustainability
- 2013 Named Fellow, Center for Leadership in Global Sustainability
- 2012 Teaching Excellence Award, Virginia Tech
- 2011 Named Fellow, Institute for Park Studies, Clemson University
- 2010 College of Natural Resources and Environment Outstanding Instructor (Fall 2010)
- 2009 College of Natural Resources Curriculum Committee Outstanding Faculty Teaching Excellence Award, Virginia Tech Department of Forest Resources and Environmental Conservation
- 2008-2011 Adjunct Assistant Professor, Clemson University, Department of Parks, Tourism, and Recreation Management
- 2002-2006 Canon National Parks Science Scholar
- 2001-2002 Doris Duke Conservation Fellow

PROFESSIONAL SERVICE

Editorial service

- Editor-in-Chief, *Journal of Interpretation Research* (March 2019 – present)
- Associate Editor, *Society & Natural Resources* (August 2015 – present)
- Associate Editor, *Journal of Natural Resource Policy Research* (March 2014 – July 2019)
- Editorial Review Board, *Children, Youth and Environments* (January 2016 – July 2019)
- Editorial Advisory Board, *Children, Youth and Environments* (January 2011 – December 2015)
- Handling Editor for *Conservation Biology* (December 2010 – June 2013)

Review panels

- Scientific Committee for Game Research, Swedish Environmental Protection Agency (Naturvårdsverket) (2015)
- Illinois-Indiana Sea Grant College Program (2015)
- American Association for the Advancement of Science (AAAS), Reviewer, Emerging Leaders in Science and Society Program (2013)
- Social Sciences and Humanities Research Council of Canada, Grant Reviewer (2012, 2013)
- NOAA/NOS International Program Office, International Coral Grant Program Reviewer (2009-2011)

Advisory service

- Subject matter expert. The Nature Conservancy/USDA Forest Service NEPA Technical Workshop on Environmental Analysis and Decision Making. Denver, CO. April 2-5, 2018.
- Advisory Board Member, SEEDS (Seek Education, Explore Discover) and the Price House Nature Center, Blacksburg, Virginia (2016 – present)
- Scientific Advisor, Walt Disney Corporation, Children & Nature Thought Leaders (2011 & 2015)
- Scientific Advisor, North American Association for Environmental Education, Anecdotes to Evidence program (2014-present)
- Advisory Board Member, “Environmental Learning in the San Francisco Bay Area,” Stanford University and S.D. Bechtel, Jr. Foundation (August 2012 – 2015)
- Advisor, New River Valley Livability Initiative, New River Valley Planning District Commission (2011—2013)
- Advisory Board Member, National Audubon Society TogetherGreen program (December 2008 – 2013)

- Institute of Forestry, Memorial Center of Excellence, Pokhara, Nepal (2010-2011)
 - Grant selection committee; Mentor for Nepali teaching and research faculty
- Virginia Project Learning Tree Advisory Committee (2008-2010)

University service

- Virginia Tech Department of Forest Resources and Environmental Conservation Department Head Search Committee (Fall 2015)
- Virginia Tech College of Natural Resources and Environment Committee on International Affairs and Research (2011-present)
- Virginia Tech Department of Forest Resources and Environmental Conservation Promotion and Tenure Committee (Fall 2012 – Spring 2015)
- Virginia Tech Department of Forest Resources and Environmental Conservation Strategic Planning Task Force (2013-2014)
- Virginia Tech College of Natural Resources and Environment Promotion and Tenure Committee (2012-2013)
- Virginia Tech Department of Forest Resources and Environmental Conservation Undergraduate Affairs Committee (2009-2013)
- Chair of Undergraduate Affairs Committee, Virginia Tech Department of Forest Resources and Environmental Conservation (2010-2013)
- College of Natural Resources and Environmental Representative to the University Commission on Research (Fall 2012)
- Virginia Tech Department of Forest Resources and Environmental Conservation Budget and Planning Committee (2007-2009)
- Chair of John Hosner Scholarship Committee (Spring 2008)
- Virginia Tech College of Natural Resources Faculty Affairs Committee (2007-2009)

Peer review for the following journals

Australian Journal of Environmental Education, Biological Conservation, Conservation Biology, Ecological Economics, Ecology and Society, Environmental Conservation, Environmental Education Research, Environmental Management, Environmental Science and Policy, Evaluation and Program Planning, Forest Policy and Economics, Human Organization, Human Rights Review, Integrative and Comparative Biology, Journal of Environmental Management, Journal of Environmental Planning and Management, Journal of Environmental Psychology, Journal of Forestry, Journal of Natural Resources Policy Research, Journal of Rural Studies, Journal of Sustainable Forestry, Journal of Sustainable Tourism, Landscape and Urban Planning, Leisure Sciences, Nature Climate Change, Ocean and Coastal Management, Parks, PLOS One, Polar Record, Review of Policy Research, Society and Natural Resources, Urban Ecosystems, Visitor Studies

PROFESSIONAL MEMBERSHIPS

American Sociological Association

International Association for Society and Natural Resources

IUCN Commission on Education and Communication

IUCN World Commission on Protected Areas

National Association for Interpretation

North American Association of Environmental Education (NAAEE)

Society for Conservation Biology, Social Science Working Group

RELATED PROFESSIONAL EXPERIENCE

Environmental consultant <i>Independent</i>	<i>Various locations</i> <i>July 2001 – Present</i>
<ul style="list-style-type: none">• Outreach design, evaluation, and the development of methods for measuring conservation effectiveness.• Strategic planning and evaluation research for conservation and environmental education organizations.• Examples of clients: Great Smoky Mountains Institute at Tremont, NorthBay Environmental Education Center, Bahamas National Trust, The Nature Conservancy, Fundación Ecológica Podocarpus, Fundación Científica San Francisco (now Nature and Culture International), Fundación Colinas Verdes, National Audubon Society, Virginia Master Naturalists Program, Smithsonian Institute.	
Research Analyst/Environmental Consultant <i>Industrial Economics, Inc.</i>	<i>Cambridge, MA</i> <i>August 1998 – November 2000</i>
<ul style="list-style-type: none">• Developed methodology to assess monitoring-and-assessment claims for environmental damages caused by the Gulf War in the Middle East. Provided analyses of such claims for evaluation before the United Nations Compensation Commission, Geneva, Switzerland.• Provided analyses to the United States Department of Justice (DOJ) of the methodology and results of biological, chemical, geological, geochemical, geophysical, oceanographic and avian research.• Prepared expert witnesses, provided litigation strategy support, and prepared scripts for expert depositions in environmental litigation suits for the DOJ.• Conducted natural resource damage assessments for the St. Lawrence Environmental Trustee Council, the National Oceanic and Atmospheric Administration, the DOJ, and the U.S. Bureau of Indian Affairs.• Assembled and managed interdisciplinary teams of experts to conduct environmental assessments.	
Wildlife Biology Intern <i>USDA National Forest Service – Ashley National Forest</i>	<i>Roosevelt, UT</i> <i>June – August, 1996</i>
<ul style="list-style-type: none">• Conducted wildlife surveys of goshawks, bats, trout, and other avian and amphibian species.• Co-developed and delivered interpretive programs.• Performed archaeological work including excavation, mapping, and screening.	

• **LANGUAGES**

- **Spanish:** Proficient (near fluent)
- **Nepali:** Beginner
- **Bahasa Indonesia:** Beginner

ADDITIONAL RELATED STUDY/TRAINING

- **Virginia Tech SafeZone training.** Training in diversity issues. Fall/Spring 2012/2013.
- **Smithsonian Institution.** Communication planning workshop. World Conservation Congress, November 20, 2004, Bangkok, Thailand.
- **IUCN Commission on Education and Communication.** Roundtable workshop on conflict resolution. World Conservation Congress, November 16, 2004, Bangkok, Thailand.
- **Tribhuvan University.** Kathmandu, Nepal. Cornell-Nepal Study Program, Spring 1997.
- **National Outdoor Leadership School.** Wilderness Course July-August 1995

PUBLISHED BOOKS

- Stern, M.J. 2018. *Social Science Theory for Environmental Sustainability: A Practical Guide*. Oxford University Press, Oxford, UK.
- Goodale, U.M., A.G. Lanfer, M.J. Stern, C. Margoluis, and M. Fladeland (Eds.) 2003. *Transboundary Protected Areas: The Viability of Regional Conservation Strategies*. Haworth Press, Inc., West Hazleton, PA.

PUBLICATIONS IN PEER-REVIEWED JOURNALS

* Indicates co-authorship with a student or postdoctoral associate under my supervision.

- Hurst, K.F.*, M.J. Stern, R.B. Hull, and D. Axsom 2019. Addressing identity-related barriers to collaboration for conservation through self-affirmation theory and moral foundations theory. *Conservation Biology*.
- Fox, D.N., T.D. Baird, M.J. Stern, and S. Prisley 2019. Where mobile groups settle: spatial patterns and correlates of Maasai pastoralist sedentarization in northern Tanzania. *Applied Geography* 112: 102086.
- Powell, R.B., M.J. Stern, B.T. Frensley*, and D. Moore 2019. Identifying and developing crosscutting environmental education outcomes for adolescents in the 21st century (EE21). *Environmental Education Research*. DOI: 10.1080/13504622.2019.1607259
- Mengak, L., A.A. Dayer, and M.J. Stern 2019. The role of social norms in conversation outreach. *Human Dimensions of Wildlife*. DOI: 10.1080/10871209.2019.1594465.
- Soulard, J., N.G. McGehee, and M.J. Stern 2019. Transformative tourism organizations and glocalization. *Annals of Tourism Research* 76: 91-104. <https://doi.org/10.1016/j.annals.2019.03.007>
- Browning, M.H.E.M.*, M.J. Stern, N.M. Ardoin, and J.E. Heimlich 2018. Factors contributing to support for local nature centers. *Environmental Education Research* 24(3): 326-342.
- Coleman, K.J.*, and M.J. Stern 2018. Exploring the functions of different forms of trust in collaborative natural resource management. *Society and Natural Resources* 31(1): 21-38.
- Coleman, K.*, M.J. Stern, and J. Widmer 2018. Facilitation, coordination, and trust in landscape-level forest restoration. *Journal of Forestry* 116(1): 41-46.
- Coleman, K.*, and M.J. Stern 2018. Boundary spanners as trust ambassadors in collaborative natural resource management. *Journal of Environmental Planning and Management* 61(2): 291-308. <http://dx.doi.org/10.1080/09640568.2017.1303462>
- Huang, J., C.E. Hmelo-Silver, R. Jordan, S. Gray, T. Frensley*, G. Newman, and M.J. Stern 2018. Scientific discourse of citizen scientists: models as a boundary object for collaborative problem solving. *Computers in Human Behavior* 87: 480-492.
- Powell, R.B., Vezeau, S.L., M.J. Stern, D.D. Moore, and B.A. Wright 2018. Does interpretation influence elaboration and environmental behaviors? *Environmental Education Research* 24(6): 875-888.
- Stern, M.J., B.T. Frensley*, R.B. Powell, and N.M. Ardoin 2018. What difference do role models make? Investigating environmental education and positive youth development outcomes at a residential environmental education center. *Environmental Education Research* 24(6): 818-830.
- Browning, M.H.E.M.*, M.J. Stern, N.M. Ardoin, J.E. Heimlich, R. Petty, and C. Charles 2017. Investigating the sets of values that community members hold toward local nature centers. *Environmental Education Research* 23(9): 1291-1306.
- Frensley, B.T.*, A.W. Crall, M.J. Stern, R. Jordan, S. Gray, M. Prysby, G. Newman, C.E. Hmelo-Silver, D. Mellor, and J. Huang 2017. Bridging the benefits of online and community supported citizen science: A case study on motivation and retention with conservation-oriented volunteers. *Citizen Science: Theory and Practice* 2(1).
- Powell, R.B., Vezeau, S.L., M.J. Stern, D.D. Moore, and B.A. Wright 2017. Does interpretation influence elaboration and environmental behaviors? *Environmental Education Research*. <http://dx.doi.org/10.1080/13504622.2017.1339302>
- Stern, M.J., N.M. Ardoin, and R.B. Powell 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.
- Vezeau, S.L., R.B. Powell, M.J. Stern, D.D. Moore, and B.A. Wright 2017. Development and validation of two scales to measure elaboration and behaviors associated with stewardship in children. *Environmental Education Research* 23(2): 192-213.
- Stern, M.J. 2016. Caveating behavior modification approaches to conservation. *Conservation Letters*. DOI:10.1111/conl.12271
- Stern, M.J. and T.D. Baird. 2015. Trust ecology and the resilience of natural resource management institutions. *Ecology and Society* 20 (2): 14. URL: <http://www.ecologyandsociety.org/vol20/iss2/art14/>
- Stern, M.J. and K.J. Coleman* 2015. The multi-dimensionality of trust: applications in collaborative natural resource management. *Society and Natural Resources* 28(2): 117-132.
- Waiswa, D.*, M.J. Stern, and S.P. Prisley 2015. Drivers of deforestation in the Lake Victoria Crescent, Uganda. *Journal of Sustainable Forestry* DOI: 10.1080/10549811.2014.1003565.
- Stern, M.J., C.A. Martin*, S.A. Predmore, and W.C. Morse 2014. Risk tradeoffs in adaptive ecosystem management: the case of the United States Forest Service. *Environmental Management* 53(6): 1095-1108.
- Stern, M.J., R.B. Powell, and D. Hill 2014. Environmental education program evaluation in the new millennium: what do we measure and what have we learned? *Environmental Education Research* 20(5): 581-611. DOI: 10.1080/13504622.2013.838749.
- Hoover, K.N.* and M.J. Stern 2014. Constraints to public influence in U.S. Forest Service NEPA processes. *Journal of Environmental Planning and Management* 57(2): 157-172.
- Hoover, K.N.* and M.J. Stern 2014. Team leaders' perceptions of public influence in the U.S. Forest Service: exploring the difference between *doing* and *using* public involvement. *Journal of Environmental Planning and Management*. 57(2): 173-189.
- Powell, R.B. and M.J. Stern 2013. Is it the program or the interpreter? Modeling the influence of program characteristics and interpreter attributes on visitor outcomes. *Journal of Interpretation Research* 18(2): 45-60.
- Powell, R.B. and M.J. Stern 2013. Speculating on the role of context in the outcomes of interpretive programs. *Journal of Interpretation Research* 18(2): 61-78.
- Stern, M.J. and R.B. Powell 2013. What leads to better visitor outcomes in live interpretation? *Journal of Interpretation Research* 18(2): 9-44.
- Stern, M.J., R.B. Powell, K.D. McLean*, E. Martin, J.M. Thomsen, B.A. Mutchler* 2013. The difference between good enough and great: bringing interpretive best practices to life. *Journal of Interpretation Research* 18(2): 79-100.
- Stern, M.J., S.A. Predmore, W.C. Morse, and D.N. Seesholtz 2013. Project risk in U.S. Forest Service environmental impact assessment: factors predicting appeals and their outcomes. *Environmental Impact Assessment Review* 42: 95-104.
- Baral, N.*, M.J. Stern, and A.L. Hammett 2012. Developing a scale for evaluating ecotourism by visitors: a study in the Annapurna Conservation Area, Nepal. *Journal of Sustainable Tourism* 20(7): 975-989.
- Gervich, C.D.*, M. Stephenson, and M.J. Stern 2012. Exploring producers', staff members' and board members' cognitive frames on decision-making in an organic farming venture. *Journal of Rural Social Sciences* 27(1): 52-83.
- Skibins, J.C., Powell, R.B., and M.J. Stern 2012. Exploring empirical support for interpretation's best practices. *Journal of Interpretation Research* 17(1): 25-44.
- Stern, M.J., and S.A. Predmore* 2012. The importance of team functioning to natural resource planning outcomes. *Journal of Environmental Management* 106: 30-39.
- Stern, M.J., M.E. Wright*, and R.B. Powell 2012. Motivating schools' participation in National Park educational programs. *Visitor Studies* 15(1): 1-20.

- Baral, N.* and M.J. Stern 2011. Capital stocks and organizational resilience of conservation area management committees in Annapurna Conservation Area, Nepal. *Society and Natural Resources* 24(10): 1011-1026.
- Baral, N.* and M.J. Stern 2011. A comparative study of two community-based conservation models in Nepal. *Biodiversity and Conservation* 20(11): 2407-2426.
- Cervený, L., D. Blahna, M.J. Stern, M.J. Mortimer, and J. Freeman* 2011. Forest Service interdisciplinary teams response. *Journal of Forestry* 109(7): 370.
- Cervený, L., D. Blahna, M.J. Stern, M.J. Mortimer, and J. Freeman* 2011. Interdisciplinary teams in the U.S. Forest Service: an examination of team structure for NEPA assessments. *Journal of Forestry* 109(4): 201-207.
- Cervený, L., D. Blahna, M.J. Stern, M.J. Mortimer, J. Freeman*, and S.A. Predmore* 2011. The use of recreation planning tools in Forest Service NEPA assessments. *Environmental Management* 48(3):644-657.
- Freeman, J.*, M.J. Stern, M.J. Mortimer, D. Blahna, and L. Cervený 2011. Collaboration and leadership in interdisciplinary planning teams in the U.S. Forest Service. *Journal of Environmental Planning and Management* 54(5): 597-615.
- Mortimer, M.J., M.J. Stern, R. Malmshemer, D. Blahna, L. Cervený, and D. Seesholtz 2011. Environmental and social risks: Defensive NEPA in the U.S. Forest Service. *Journal of Forestry* 109(1): 27-33.
- Powell, R.B., M.J. Stern, B. Krohn, and N.M. Ardoin 2011. Scale development and validation for environmental education outcomes: environmental responsibility, character development, and attitudes toward school. *Environmental Education Research* 17(1): 91-111.
- Predmore, S.A.*, M.J. Stern, and M.J. Mortimer. 2011. Constructing the Public: the substantive sieve and personal norms in U.S. Forest Service planning. *Journal of Environmental Planning and Management* 54(3): 403-419.
- Predmore, S.A.*, M.J. Stern, M.J. Mortimer, and D. Seesholtz 2011. Perceptions of legally mandated public involvement processes in the U.S. Forest Service. *Society and Natural Resources* 24(12): 1286-1303.
- Stern, M.J., R.B. Powell, and N.M. Ardoin 2011. Evaluating a constructivist and culturally responsive approach to environmental education for diverse audiences. *Journal of Environmental Education* 42(2): 109-122.
- Stern, M.J., R.B. Powell, and K.S. Hockett 2011. Why do they come? Understanding interpretive program attendance at Great Smoky Mountains National Park. *Journal of Interpretation Research* 16(2): 35-52.
- Stern, M.J. and S.A. Predmore* 2011. Decision making, procedural compliance, and outcomes definition in U.S. Forest Service planning processes. *Environmental Impact Assessment Review* 31(3): 271-278.
- Baral, N.* and M.J. Stern 2010. Looking back and looking ahead: local empowerment and governance of the Annapurna Conservation Area, Nepal. *Environmental Conservation* 37(1): 54-63.
- Baral, N.*, M.J. Stern and J.T. Heinen 2010. Growth, collapse, and reorganization of the Annapurna Conservation Area, Nepal: an analysis of institutional resilience. *Ecology and Society* 15(3):10 [online] URL: <http://www.ecologyandsociety.org/vol15/iss3/art10/>
- Stern, M.J. 2010. Payoffs vs. process: expanding the paradigm for park/people studies beyond economic rationality. *Journal of Sustainable Forestry* 29(2-4): 174-201.
- Stern, M.J., R.B. Powell, and C. Cook 2010. The benefits of live interpretive programs to parks. *Park Science* 27(3): 62-66.
- Stern, M.J., S.A. Predmore*, M.J. Mortimer, and D. Seesholtz 2010. The meaning of the National Environmental Policy Act within the U.S. Forest Service. *Journal of Environmental Management* 91(6): 1371-1379.

- Stern, M.J., S.A. Predmore*, M.J. Mortimer, and D. Seesholtz 2010. From the office to the field: areas of consensus and tension in the implementation of the National Environmental Policy Act within the U.S. Forest Service. *Journal of Environmental Management* 91(6): 1350-1356.
- Stern, M.J., D.J. Blahna, L.K. Cervený, and M.J. Mortimer 2009. Visions of success and achievement in recreation-related USDA Forest Service NEPA processes. *Environmental Impact Assessment Review* 29(4): 220-228.
- Baral, N.*, M.J. Stern, and R. Bhattarai 2008. Contingent valuation of ecotourism in Annapurna Conservation Area, Nepal: implications for sustainable park finance and local development. *Ecological Economics* 66(2-3): 218-227.
- Stern, M.J. 2008. Coercion, voluntary compliance, and protest: the role of trust and legitimacy in combating local opposition to protected areas. *Environmental Conservation* 35(3): 200-210.
- Stern, M.J. 2008. The power of trust: toward a theory of local opposition to neighboring protected areas. *Society and Natural Resources* 21(10): 859-875.
- Stern, M.J., R.B. Powell, and N.M. Ardoin 2008. What difference does it make? Assessing outcomes from participation in a residential environmental education program. *Journal of Environmental Education* 39(4): 31-43.
- Baral, N.*, M.J. Stern, and J.T. Heinen 2007. Integrated conservation and development project life cycles in the Annapurna Conservation Area, Nepal: Is development overpowering conservation? *Biodiversity and Conservation* 16: 2903-2917.
- Powell, R.B., M.J. Stern, and N. Ardoin 2006. A sustainable evaluation program framework and its application. *Applied Environmental Education and Communication: An International Journal* 5(4): 231-241.
- Fortwangler, C. and M.J. Stern 2004. Why history and culture matter — a case study from the Virgin Islands National Park. *Policy Matters* 13: 148-161.
- Lanfer, A. G., U. M. Goodale, and M. J. Stern 2003. The viability of transboundary protected areas. *Journal of Sustainable Forestry* 17(1/2): 229-242.
- Stern, M.J., C. Margoluis, A. G. Lanfer, U. M. Goodale 2003. The goals and challenges of the March 30-31, 2001 Yale ISTF Conference entitled Transboundary Protected Areas: The Viability of Regional Conservation Strategies. *Journal of Sustainable Forestry* 17(1/2): 1-6.
- Stern, M. 2001. Parks and factors in their success. *Science* 293(5532): 1045.

OTHER REPORTS, BOOK CHAPTERS, AND ARTICLES

- Powell, R.B., Stern, M.J., and B.T. Frensley* (forthcoming). What should all environmental education programs in national parks aspire to achieve? America's Largest Classrooms: What We Learn from our National Parks. National Park Service, Washington, DC.
- Stern, M.J. and K. Coleman 2019. Trust ecology and collaborative natural resource management. In Collaborative Forest Restoration: Challenges and Opportunities of Landscape-Scale Forest Management. Butler, W. and C. Schultz. Routledge Earthscan.
- Heimlich, J., J. Adams, M.J. Stern 2018. Non-formal educational settings. In Urban Environmental Education Review. Russ, A. and Krasny M. (Eds.) Cornell University Press.
- Stern, M.J. and A. Hellquist 2018. Trust and collaborative governance. In Urban Environmental Education Review. Russ, A. and Krasny M. (Eds.) Cornell University Press.
- Powell, R.B., M.J. Stern, N.M. Ardoin, W. Vagias, C. Wynveen, R. Becco 2013. Accomplishments and lessons learned from Toyota TogetherGreen: 2008-2013. National Audubon Society.
- Stern, M.J. 2013. Local assessments of the Andros West Side National Park, Andros, The Bahamas. Bahamas National Trust.

- Stern, M.J., R.B. Powell 2013. Recommended practices for interpretive and educational programs and exhibits in the US National Park Service. U.S. National Park Service.
- Powell, R.B., Jodice, L., Stern, M.J. 2013. Evaluation of curriculum-based education programs at Everglades National Park. U.S. National Park Service.
- Stern, M.J., R.B. Powell 2012. Identifying best practices for live interpretation programs in the United States National Park Service. U.S. National Park Service and Center for Parks Management.
- Stern, M.J. and R.B. Powell 2011. The views of National Park Service superintendents and interpretation and education supervisors on interpretation and education in the National Park Service. U.S. National Park Service.
- Stern, M.J., K.S. Hockett, and R.B. Powell 2010. Understanding motivations, barriers, and benefits of interpretive program participation at Great Smoky Mountains National Park. Great Smoky Mountains National Park.
- Stern, M.J. and M.J. Mortimer 2009. Exploring NEPA processes across federal land management agencies. General Technical Report PNW-GTR-799. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 106 p.
- Stern, M.J. 2006. Measuring conservation effectiveness in the marine environment: a review of evaluation techniques and recommendations for moving forward. The Nature Conservancy, Washington, DC: 88 p.
- Stern, M.J. 2005. The Great Smoky Mountains National Park and its Neighbors: A summary of local viewpoints and recommendations for the future. *Report on-file at Great Smoky National Park. Circulated to park officials, local residents and other interested organizations.* February 2005.
- Stern, M.J. 2004. Understanding local responses to protected areas. In Communicating Protected Areas. Hamu, D., Auchincloss, E, and Goldstein, W. (Eds). IUCN Commission on Education and Communication. Gland, Switzerland: 40-45.
- Stern, M.J. 2004. Communicating with park neighbors: Lessons on content, delivery, and consistency. 3rd World Conservation Congress Meeting of the IUCN Commission on Communication and Education Programme. 16-17 November 2004. IUCN Commission on Education and Communication, Gland: 20-26.
- Stern, M. J. 2004. Good neighbours, better protected nature. *PAN Parks Courier*. Spring 2004: 4-5.
- Stern, M.J. 2004. Shaping outreach to fit local complexity: themes for building local support for protected areas in varying contexts. In The Global Challenges of Parks and Protected Areas Management. Camarda, I., M.J. Manfredo, F. Mulas, and T.L. Teel (Eds.). Carlo Delfino Editore: Sassari, Italy: 463-478.
- Stern, M.J. 2004. El Parque Nacional Podocarpus y sus vecinos: Una investigación de sus relaciones. *Report on-file at Podocarpus National Park. Circulated to park officials, local residents and other interested organizations.* December 2004.
- Stern, M.J. 2004. St. John and its National Park: a brief summary of local viewpoints and recommendations for the future. *Report on-file at Virgin Islands National Park. Circulated to park officials, local residents and other interested organizations.* January 2004.
- Stern, M.J. and C. Fortwangler 2004. “Making your local national park work for you.” *St. John Times*. August 2004: 6.
- Brunton, C., M. Stern *et al.* 2003. Young conservationists and the future of protected areas worldwide: A call to discussion at the Fifth World Parks Congress, Durban, South Africa, September 2003. Yale School of Forestry and Environmental Studies. Available at: www.yale.edu/environment/publications
- Stern, M.J. 2003. “St. John and the status of global environmental management.” *St. John Times*. October 2003: 5.
- Stern, M.J. 1998. Cultural Erosion in the High Country: A Study of Management, Ecology and Sherpa Culture in Sagarmatha National Park, Khumbu, Nepal. World Wildlife Fund-Nepal. 158pp.

Stern, M.J. 1998. Taughannock Falls and Its Surrounding Area: A Cultural and Physiographic History. Report on-file at Taughannock Falls State Park, Trumansburg, New York.

SELECTED PRESENTATIONS

** indicates presenter*

- Stern, M.J.* and R. Powell.* “Better outcomes in environmental education.” National Association for Interpretation Annual Conference. Denver, CO. November 14, 2019.
- Powell, R.*, M.J. Stern*, & B.T. Frensley*. “EE21: Opportunities for evidence-based, networked learning in EE.” North American Association for Environmental Education Annual Conference. Lexington, KY. October 19, 2019.
- Stern, M.J.* & R. Powell.* “Questioning our assumptions with real data: What makes EE better?” North American Association for Environmental Education Annual Conference. Lexington, KY. October 16, 2019.
- Stern, M.J.* and R. Powell.* “Figuring out what works in environmental education through comparative research.” ANCA (Association of Nature Center Administrators) Summit. Cincinnati, OH. August 22, 2019.
- Powell, R.* & M.J. Stern.* “Cutting edge research in environmental education: From developing common crosscutting outcomes to identifying what leads to better outcomes.” ANCA (Association of Nature Center Administrators) Summit. Cincinnati, OH. August 21, 2019.
- Coleman, K.* & Stern, M.J. “Turnover and trust within collaborative natural resource management groups.” International Symposium for Society and Resource Management. Oshkosh, WI. June 3, 2019
- Pratson, D.*, M. Stern, R. Powell. “Motivation within environmental education organizations.” 41st Annual Southeastern Recreation Research Conference. Athens, Georgia. March 25, 2019.
- Stern, M.J.*, “Measuring outcomes in environmental education programs and exploring what leads to them.” Lawrence Hall of Science, BEETLES program. March 14, 2019
- Stern, M.J.* & Powell, R.* Methods Development for Systematic Investigation of Factors Driving Outcomes in Informal STEM Environmental Education Programs.” 2019 National Science Foundation Advancing Informal Science Learning Principal Investigators Meeting. Alexandria, VA. February 12, 2019.
- Stern, M.J.* & Hansen, L.* "Effective Environmental Workshop Facilitation and Local Community Action." 2019 National Science Foundation Advancing Informal Science Learning Principal Investigators Meeting. Alexandria, VA. February 12, 2019.
- Stern, M.J.* “Making sense of evaluation for environmental education.” World Wildlife Fund Global Education Summit. New Delhi, India. January 29, 2019.
- Krometis, L. A.*, Angermeier, P., Stern, M., & Hemby, T. “Relationships among human health and well-being, aquatic ecosystem health, and demographics in Virginia.” American Public Health Association Annual Meeting. San Diego, CA. November 11, 2018.
- Stern, M.J.*, Powell, R.B., Frensley, B. T., Kleinbort, T., Pratson, D., & Lee, H. “What leads to better outcomes in environmental education?” North American Association for Environmental Education Annual Conference, Spokane, WA. Oct.12, 2018.
- Powell, R.B.*, Stern, M.J., Frensley, B. T., & Kleinbort, T. “Developing cross-cutting outcomes for evaluating Environmental Education.” North American Association for Environmental Education Annual Conference, Spokane, WA. Oct.11, 2018.
- Frensley, B.T.*, Stern, M.J., & Powell, R.B. “Investigating the links between lesson characteristics, student engagement, and outcomes at a residential environmental education program.” North American Association for Environmental Education Annual Conference, Spokane, WA. Oct.10, 2018.
- Stern, M.J.* “Building resilient collaborations.” CityWorks (X)Po VIII: Anticipating 2050, Acting Today!

Roanoke, VA, October 5, 2018.

- Stern, M.J.* and Scott, W.* “New thinking in sustainability and environmental education.” North American Association for Environmental Education webinar series. July 24, 2018.
- Stern, M.J. “Building more resilient collaborations. Third Thursday Society of the New River Valley. Christiansburg, VA. September 20, 2018.
- Powell, R.B.* & Stern, M.J.*. Developing crosscutting outcomes for environmental education. Environmental Education Evaluation Convening, Duke University, Durham, NC. Sept. 21, 2018.
- Powell, R.B.* & Stern, M.J.* Developing outcomes for environmental education. International Symposium on Society and Resource Management, Snowbird, Utah, June 19, 2018.
- Stern M.J.* & Powell, R.B. What leads to better outcomes in environmental education? International Symposium on Society and Resource Management, Snowbird, Utah, June 19, 2018.
- Hurst, K.F.* and Stern, M.J. “Messaging for environmental action: the role of message source and moral framing.” International Symposium on Society and Resource Management, Snowbird, Utah, June 18, 2018.
- Parkins, J.* & Stern, M.J. “Can people change in a day? Measuring impacts from public dialogue on resource management issues.” International Symposium on Society and Resource Management, Snowbird, Utah, June 18, 2018.
- Stern, M.J.* “Civilizing public discourse in environmental policy disputes.” Policy Strategic Growth Area 2018 Research Forum. Virginia Tech, Blacksburg, VA, April 19, 2018.
- Coleman, K.* and Stern, M.J. “The role of trust in collaborative natural resource management.” Rubenstein Lecture Series, University of Vermont. Burlington, VT. September, 2017.
- Stern, M.J.,* and T. Schenk.* “Meaningful public participation, the ecology of trust, joint fact finding, and more sustainable siting.” Renewable Energy Facility Siting Lecture Series. Virginia Tech, Blacksburg, VA. September 27, 2017.
- Powell, R.B.* and M.J. Stern. “What makes an environmental education programs successful?” The George Wright Society Biennial Conference on Parks, Protected Areas, and Cultural Sites. Norfolk, VA. April 3, 2017.
- Stern, M.J.* and R.B. Powell.* “What separates the best environmental education programs from others?” Annual Meeting of the National Park System Advisory Board’s Education Committee. November 29, 2016.
- Coleman, K.* and M.J. Stern. “Developing and maintain trust in CFLRPs.” Webinar for the Forest Stewards Guild and the Southwest Fire Science Consortium. October 5, 2016.
- Hemby, T.L.*, M.J. Stern, and S. Prislely. “Exploring the where and why of conservation easements: a Virginia case study.” International Symposium on Society and Resource Management. Houghton, MI. June 25, 2016.
- Stern, M.J.* “Trust and resilience in natural resource management institutions.” International Symposium on Society and Resource Management. Houghton, MI. June 25, 2016.
- Stern, M.J.* “Trust ecology: Building relationships for resilient collaboration.” **Keynote presentation.** Region 6 Forest Collaboratives Workshop, Hood River, OR, March 30, 2016
- Stern, M.J. “Trust and public participation.” North American Association for Environmental Education Speaker Series, “Bringing New Ideas and Innovation to the Field of Environmental Education.” February 23, 2016.
- Browning, M.*, M.J. Stern, J. Heimlich, R. Petty, and N.M. Ardoin. “The value of nature centers to communities: discussing broader impacts from a nature center community value study.” Association of Zoos and Aquariums Webinar. December 15, 2015.

- Browning, M.*, M.J. Stern, J. Heimlich, and N.M. Ardoin. “The ways in which communities value nature centers.” North American Association for Environmental Education Annual Conference. San Diego, CA. October 16, 2015.
- Stern, M.J., N.M. Ardoin*, and R.B. Powell. “A study of the effectiveness of different community engagement strategies.” North American Association for Environmental Education Annual Conference. San Diego, CA. October 16, 2015.
- Browning, M.*, M.J. Stern, J. Heimlich, and N.M. Ardoin. “The value of nature centers to communities.” North American Association for Environmental Education Research Symposium. San Diego, CA. October 15, 2015.
- Stern, M.J.* “Planning for rapid assessments: making the most of studying complex issues in a short time.” Center for Leadership in Global Sustainability. Arlington, VA. October 9, 2015.
- Stern, M.J.*, R. Petty*, and M. Browning*. “The values of nature centers to their local communities.” Association of Nature Center Administrators Summit. Gainesville, GA. August 21, 2015.
- Stern, M.J.* and T.L. Hemby.* “Patterns of conservation easements in Virginia.” New River Valley Land Trust Conservation Partners Forum, Claytor Lake, VA. August 20, 2015.
- Stern, M.J.* “Balancing accountability with adaptive management: designing flexibility into the evaluation of conservation initiatives.” World Parks Congress, Sydney, Australia. November 18, 2014.
- Stern, M.J.* “Resilience and adaptive governance.” World Parks Congress, Sydney, Australia. November 16, 2014.
- Stern, M.J.* and R.B. Powell. “Examining best practices in environmental education and interpretation.” World Parks Congress, Sydney, Australia. November 16, 2014.
- Stern, M.J.* “Building resilient collaborations: the multiple dimensions of trust in natural resource governance.” World Parks Congress, Sydney, Australia. November 15, 2014.
- Stern, M.J.* “Conflict-sensitive governance: building sustainable and equitable peace for human and ecological resilience.” World Parks Congress, Sydney, Australia. November 13, 2014.
- Stern, M.J.* “Concerns about climate change around Sandy Hook, NJ.” Communities and Sandy Hook Workshop: Partnering to Build Resilience to Climate Change. October 2, 2014.
- Stern, M.J.* and K.N. Hoover. “Public involvement and the National Environmental Policy Act.” US Forest Service NEPA Knowledge Café, Online presentation, September 25, 2014.
- Stern, M.J.* “Making projects work: some thoughts on trust and collaboration.” Pecha Kucha Night – Ubud. Bali, Indonesia, February 18, 2014.
- Stern, M.J.* and R.B. Powell. “Live interpretation in the National Park Service: What leads to better visitor outcomes?” National Association for Interpretation Annual Workshop. Reno, NV, November 8, 2013.
- Stern, M.J.*, M. Hopkins*, N.M. Ardoin* and R.B. Powell. “Evaluating factors contributing to conservation and education outcomes of Toyota TogetherGreen.” North American Association for Environmental Education Conference. Baltimore, MD, October 11, 2013.
- Stern, M.J.* and R.B. Powell. “Research evidence for best practices in environmental education and interpretation.” North American Association for Environmental Education Conference. Baltimore, MD, October 10, 2013.
- Stern, M.J.* “What drives the outcomes of natural resource planning processes in the US Forest Service?” West Virginia University Environmental Research Center. Morgantown, WV, September 19, 2013.
- Coleman, K.* and M.J. Stern. “Trust theory and its application to landscape level collaboration.” International Symposium for Society and Resource Management. Estes Park, CO, June 8, 2013.

- Stern, M.J. and R.B. Powell*. “Is it the singer or the song? Empirically isolating the drivers of visitor responses to park communications.” International Symposium for Society and Resource Management. Este Park, CO, June 7, 2013.
- Powell, R.B.*, M.J. Stern, and N.M. Ardoin. “A systematic investigation of the factors that contribute to successful conservation outcomes.” International Symposium for Society and Resource Management. Este Park, CO, June 5, 2013.
- Stern, M.J.* “How much do we really know about best practices in environmental education and interpretation?” The Curriculum for the Environment and Ecology at the University of North Carolina Ecology Seminar Speaker Series. Chapel Hill, NC. April 11, 2013.
- Stern, M.J.* “Field techniques for rapid assessments on international conservation projects.” Center for Leadership for Global Sustainability. Arlington, VA. February 8, 2013.
- Stern, M.J.*, R.B. Powell*, N.M. Ardoin*, and R. Beeco. “Learning from TogetherGreen.” National Audubon Society Webinar. January 17, 2013.
- Stern, M.J.* “Aligning best practices with outcomes: lessons from the empirical literature and a large sample study in interpretation.” National Oceanic Atmospheric Administration Scientific Technical Advisory Committee Workshop: Research-Based Best Practices for Environmental Education. Annapolis, MD. August 27, 2012.
- Stern, M.J.* “Some evidence on what works in urban environmental education.” National Oceanic Atmospheric Administration Scientific Technical Advisory Committee Workshop: Research-Based Best Practices for Environmental Education. Annapolis, MD. August 27, 2012.
- Stern, M.J.* “Generating better NEPA outcomes: lessons from empirical research.” US Forest Service NEPA Knowledge Café, Online presentation, July 26, 2012.
- Stern, M.J.* “Leadership, empowerment, and collaboration: examining the drivers of outcomes of natural resource planning processes.” International Symposium on Society and Resource Management, Edmonton, Alberta, June 19, 2012.
- Thomsen, J.M.*, R.B. Powell, N.M. Ardoin, and M.J. Stern*. “Biophysical and social outcomes: measuring and defining success in conservation.” International Symposium on Society and Resource Management, Edmonton, Alberta, June 18, 2012.
- Stern, M.J.* “The cliff, the rope, and the safety net: teaching through service learning.” Presentation at the Biennial Conference on Undergraduate Education in Natural Resources, Fort Collins, CO, March 23, 2012.
- Stern, M.J.* (organizer), J. Ridley*, and D. Fontane*. “Minefields, turf wars, and creative curriculum revision: navigating and debating governance and bureaucracy to enhance natural resources students’ curricula.” Organized session at the Biennial Conference on Undergraduate Education in Natural Resources, Fort Collins, CO, March 24, 2012.
- Ardoin, N.M.* and M.J. Stern. “Assessing Audubon’s Together Green: What leads to successful conservation grants?” North American Association for Environmental Education Annual research Symposium. Raleigh, NC. October 11, 2011.
- Hoover, K.N.* and M.J. Stern. “Perceptions of public influence in USDA Forest Service NEPA processes.” International Symposium on Society and Resource Management. Madison, Wisconsin. June 8, 2011.
- McLean, K.D.* and M.J. Stern. “Which characteristics consistently predict positive visitor outcomes in National Park Service interpretation?” (poster). North American Association for Environmental Education Annual Conference. Raleigh, NC. October 13, 2011.
- Mutchler, B.A.*, M.J. Stern, R.B. Powell, D. Hill. “Finding consistent predictors of positive EE outcomes: a literature review.” (poster). North American Association for Environmental Education Annual Conference. Raleigh, NC. October 13, 2011.

- Stern, M.J.*. “Understanding behavior change theories in environmental contexts.” Presentation to the Environmental Coalition at Virginia Tech, Earth Week Speaker Series. Blacksburg, VA. April 20, 2011
- Stern, M.J.* “Building more resilient conservation through effective evaluation.” 22nd Annual Environment Virginia Symposium. Virginia Military Institute, Lexington, VA. April 5, 2011.
- Stern, M.J.*, R.B. Powell*. “Developing a culture of evaluation for interpretation and education in Great Smoky Mountains National Park: Implications for National Policy” Panel discussion. George Wright Society Biennial Conference. New Orleans, LA. March 17, 2011.
- Stern, M.J.*, R.B. Powell. “Evaluating interpretation and education programs across the National Park Service: the development of a standards assessment tool.” George Wright Society Biennial Conference. New Orleans, LA. March 17, 2011.
- Stern, M.J.*, R.B. Powell. “Why do they come? Understanding attendance at live interpretive programs.” George Wright Society Biennial Conference. New Orleans, LA. March 17, 2011.
- Vezeau, S.*, R.B. Powell, M.J. Stern. “Stewardship 101: An evaluation of the Great Smoky Mountains National Park Junior Ranger Program.” George Wright Society Biennial Conference. New Orleans, LA. March 16, 2011.
- Stern, M.J.* “Learning through Evaluation.” Audubon Education and Centers 2010 Leadership Conference. Seattle WA. August 13, 2010.
- Stern, M.J.* (session organizer). “NEPA in the Forest Service: implications for the agency, the public, and the environment.” Organized session at the 16th International Symposium on Society and Resource Management. Corpus, Christi, TX. June 9, 2010. Other participants: S.A. Predmore, C.M. Ryan, D. Blahna, L. Cerveny.
- Stern, M.J.* and S.A. Predmore*. “Understanding outcomes of Forest Service NEPA processes.” 16th International Symposium on Society and Resource Management. Corpus, Christi, TX. June 9, 2010.
- Powell, R.B.*, C.J. Wynveen, M.J. Stern, and N.M. Ardoin. “Participating in conservation: impacts of conservation training and experiences on emerging conservation professionals.” 16th International Symposium on Society and Resource Management. Corpus, Christi, TX. June 9, 2010.
- Predmore, S.A.*, M.J. Stern, and M.J. Mortimer. “Voices from the field: evidence of stability and change in the role of science and scientists in U.S. Forest Service planning.” 16th International Symposium on Society and Resource Management. Corpus, Christi, TX. June 9, 2010.
- Wynveen, C.J.*, R.B. Powell, M.J. Stern, and N.M. Ardoin. “A systematic investigation of the factors that contribute to successful conservation outcomes.” 16th International Symposium on Society and Resource Management. Corpus, Christi, TX. June 9, 2010.
- Stern, M.J.* “Assessing the overall health of interpretation and education in the National Park Service. 16th International Symposium on Society and Resource Management. Corpus, Christi, TX. June 8, 2010.
- Gervich, C.D.*, M.J. Stern, and M.O. Stephenson. “Framing sustainable development in the Blue Ridge Mountains: how stakeholders in one sustainable development organization cope with frame-based conflicts related to decision-making and sustainability.” 16th International Symposium on Society and Resource Management. Corpus, Christi, TX. June 8, 2010.
- Stern, M.J.* “Teaching environmental education through service learning.” 8th Biennial Conference on Undergraduate Education in Natural Resources. Blacksburg, VA. March 27, 2010.
- Stern, M.J.* “Assessing the overall health of interpretation, education, and visitor orientation programs in the National Park Service.” National Leadership Council meeting, National Park Service. February 23, 2010.

- Stern, M.J.*, R.B. Powell, and N.M. Ardoin. “Lessons from NorthBay: EE for the Hip-Hop Generation.” North American Association for Environmental Education Annual Conference. Portland, OR. October 9, 2009.
- Stern, M.J.* “Failing to inspire urban ecological engagement.” North American Association for Environmental Education Research Symposium. Portland, OR. October 7, 2009.
- Stern, M.J.*, R.B. Powell, and N.M. Ardoin. “Evaluating NorthBay’s multi-media approach to intertwining environmental education with character development.” North American Association for Environmental Education Research Symposium. Portland, OR. October 7, 2009.
- Stern, M.J.* “Defining Success in Forest Service NEPA processes.” NEPA for the 21st Century Research Initiative. USDA Forest Service Focused Science Delivery Program. Internet presentation to U.S. Forest Service. July 16 and July 28, 2009.
- Stern, M.J.* “Success in Forest Service NEPA processes.” Advisory Board for NEPA for the 21st Century Research Initiative. USDA Forest Service Focused Science Delivery Program. National Video Conference Presentation. March 24, 2009.
- Vezeau, S.*, R.B. Powell, and M.J. Stern. “Measuring Stewardship in National Parks.” The George Wright Society Biennial Conference on Parks, Protected Areas, and Cultural Sites. Portland, OR, March 3, 2009.
- Nielsen, E.* and M.J. Stern. “Who is responsible to whom? Improving accountability in biodiversity conservation projects across scales.” IUCN World Conservation Congress, Barcelona, Spain, October 6, 2008
- Stern, M.J.* “The human dimensions of natural resource conservation.” Virginia Governor’s School for Agriculture. Blacksburg, VA. July 11, 2008.
- Stern, M.J.*, N.M. Ardoin, and R.B. Powell. “Measuring and reporting success through internally sustainable evaluation systems.” 36th Annual Conference of the North American Association for Environmental Education: Exploring New Horizons for Environmental Education. Virginia Beach, VA. November 15, 2007.
- Stern, M.J.*, R.B. Powell, and N.M. Ardoin. “The development and implementation of a ‘sustainable evaluation framework’.” North American Association of Environmental Education Research Symposium: Celebrating the diversity of our research methodologies: finding common ground. Virginia Beach, VA. November 14, 2007.
- Stern, M.J.* “Environmental interpretation: communicating about the environment to the general public and other target audiences.” Virginia Master Naturalist Program. Virginia Museum of Natural History. Martinsville, VA. November 8, 2007.
- Stern, M.J.* “Toward a theory of public response toward neighboring protected areas.” International Symposium for Society and Resource Management. Park City, UT. June 19, 2007.
- Stern, M.J.* “Social science for natural resource management.” Agency head meeting of the Virginia Department of Natural Resources. Blacksburg, VA. May 25, 2007.
- Stern, M.J.* “The tangible effects of differential community interface on resource management.” The George Wright Society Biennial Conference: Rethinking Protected Areas in a Changing World. St. Paul, MN. April 19, 2007.
- Stern, M.J.* “The many faces of Great Smoky Mountains National Park: The impacts of differential histories and outreach on local attitudes and actions.” The George Wright Society Biennial Conference: Rethinking Protected Areas in a Changing World. St. Paul, MN. April 18, 2007.
- Stern, M.J.* “Comparing NEPA processes across federal land management agencies.” NEPA for the 21st Century workshop. USDA Forest Service. Skamania, WA. March 20, 2007.
- Stern, M.J.*, R.B. Powell*, and N.M. Ardoin*. “Empowerment through Evaluation: A Participatory and Sustainable Evaluation Approach.” 35th Annual Conference of the North American Association for

- Environmental Education: Gathering at the Headwaters; Building EE in Society. St. Paul, MN. October 11, 2006.
- Stern, M.J.* “Local Responses to Global Biodiversity Conservation: Linking Accountability and Legitimacy to Conservation Outcomes.” 69th Annual Meeting of the Rural Sociological Society: Perils and Promises of Globalization: Difference, Resistance, and Possibility. Louisville, KY. August 11, 2006.
- Stern, M.J.* “Balancing accountabilities: public involvement processes in the National Park Service.” Invited lecture. PRTM 474: Advanced Recreation Resource Management. Department of Parks, Recreation, and Tourism Management, Clemson University, Clemson, SC. March 15, 2006.
- Stern, M.J.* “Understanding local reactions to national parks: the nature and consequences of local interpretations of park policies, management and outreach.” Department of Parks, Recreation, and Tourism Management, Clemson University, Clemson, SC. March 15, 2006.
- Stern, M.J.* “Social science for natural resource management: Understanding institutions, impacts and responses.” Warnell School of Forest Resources, University of Georgia, Athens. February 2, 2006.
- Stern, M.J.* “Measuring marine conservation management effectiveness.” The Nature Conservancy Marine Habitat Goal Setting Team Meeting. Seattle, Washington. December 7, 2005.
- Stern, M.J.* “Understanding local reactions to national parks: The nature and consequences of local interpretations of park policies, management, and outreach.” Canon National Parks Science Scholars Retreat. Loreto, Mexico. April 10, 2005.
- Stern, M.J.* “All things to all people? National Parks and their local publics – the case of the Virgin Islands National Park.” Invited lecture. Vermont Law School. Conservation field study class. February 4, 2005.
- Stern, M.J.* “The Social Ecology of Podocarpus National Park.” Invited lecture. FES 702: Rapid Assessments in Forest Conservation. Yale School of Forestry and Environmental Studies. February 1, 2005.
- Stern, M.J.* “Reconciling difficult pasts: addressing the impacts of park creation on community responses.” Panel member: “Protected Areas and People: Resolving Conflicts to Build Better Relations.” Third IUCN World Conservation Congress, Bangkok, Thailand, November 19, 2004.
- Stern, M.J.* “Communicating with park neighbors: lessons on content, delivery, and consistency.” Meeting of the IUCN Commission on Education and Communication at the Third World Conservation Congress, Bangkok, Thailand, November 16, 2004
- Stern, M.J.* “La teoría del comportamiento planificado y su aplicación al Parque Nacional Podocarpus.” Presentation in Spanish to the foundation Naturaleza y Cultura Internacional (Nature and Culture International). Loja, Ecuador. July 5, 2004.
- Stern, M.J.* “As far as I can throw ‘em: expanding the paradigm for park/people studies beyond economic rationality.” Yale ISTF Conference entitled *People in Parks: Beyond the Debate*. New Haven, CT. April 3, 2004.
- Stern, M.J.* “Why do people respond to national parks in the ways they do?” Invited presentation to the management team of Great Smoky Mountains National Park, January 27, 2004.
- Stern, M.J.* “Groundtruthing: Putting a face on the forest.” Panel moderator. Yale ISTF Conference entitled *Ecosystem Services in the Tropics: Challenges to marketing forest function*. New Haven, CT. April 6, 2003.
- Stern, M.J.* “Conflict in Context: Theorizing local responses to protected areas management.” Canon National Parks Science Scholars Retreat. Vieques, Puerto Rico. December 10, 2003.
- Stern, M.J.* “Constituency-building for protected areas: The measurement and significance of local attitudes and perceptions toward two national parks.” *International Symposium on Society and Natural Resource Management: Global Challenges of Parks and Protected Areas Management*. Sardinia, Italy, October 2002.

Stern, M.J.* and G. McLaughlin*. “Opportunities for Connecticut Audubon at Stratford Point: Uniting a watershed through education and outreach.” Connecticut Audubon. Milford, CT. May 8, 2001.

Stern, M.J.* “Transboundary Conservation: When, How, and Why?” Opening remarks, Yale ISTF Conference entitled *Transboundary Protected Areas: The Viability of Regional Conservation Strategies*. New Haven, CT. March 31, 2001.

SELECTED WORKSHOPS

* Indicates primary presenter

Stern, M.J.* and R.B. Powell.* “Meet the new editors of the *journal of Interpretation Research*.” National Association for Interpretation Annual Conference. Denver, CO. November 14, 2019.

Merson, M.*, Stern, M.J.*, Heimlich, J.*, Struminger, R.* and Garlick, S.* “Designing for science in natural settings.” 2019 National Science Foundation Advancing Informal Science Learning Principal Investigators Meeting. Alexandria, VA. February 12, 2019.

Stern, M.J.* “Building resilient collaboration through trust.” Central Appalachians Fire Learning Network Annual Workshop, Blacksburg, VA, October 23, 2018.

Dietsch, A.*, Stern, M.J.*, Tully, B.*, and Wald, D.* “Improving conservation outcomes with social science: An application of key theories to affect attitude and behavior change.” Two-day invited workshop. North American Congress for Conservation Biology, Toronto, Canada. July 21-22, 2018.

Stern, M.J.* “Project evaluation.” North American Association for Environmental Education ee360 Fellows Workshop. Warrenton, VA. July 13, 2018.

Stern, M.J. “Building resilient collaboration.” Fire Learning Network *National Fire Networks Workshop*, Wenatchee, WA, May 24, 2018.

Stern, M.J. “Why do we have to fight so hard for what seems so obvious? Can social science help?” Climb the Hill 2018, Washington, DC, May 9, 2018.

Stern, M.J.* “How trust gets built (or not) in collaborative natural resource management (and what difference it makes).” Region 6 Forest Collaboratives Workshop, Hood River, OR. March 31, 2016.

Stern, M.J.* and M. Browning*. “The values of nature centers to their local communities.” American Nature Center Association Summit. Gainesville, GA. August 22, 2015.

Stern, M.J.* “Planning for rapid assessments: making the most of studying complex issues in a short time.” Center for Leadership for Global Sustainability. Arlington, VA. December 13, 2014.

Stern, M.J.* “Planning for rapid assessments: making the most of studying complex issues in a short time.” Center for Leadership for Global Sustainability. Arlington, VA. December 7, 2013.

Stern, M.J.* (panel member). “Getting off to a good start as a faculty member.” Virginia Tech Future Faculty Development Program. Blacksburg, VA. January 16, 2013 and January 11, 2012.

Stern, M.J.* and R.B. Powell*. “Assessing interpretation, education, and visitor orientation in the National Park Service.” Half-day workshop at National Park Service agency meeting. Las Vegas, NV, November 18, 2010.

Stern, M.J.* “Evaluating Conservation Programs.” Audubon-Toyota TogetherGreen Fellows Training. National Conservation Training Center. Shepherdstown, WV. September 3, 2010 and September 8, 2011.

Stern, M.J.*, J. Heimlich*, and N. Ardoin. “Planning for diversity in the National Audubon Society.” 3-hour workshop on enhancing Audubon’s engagement with underrepresented audiences. Seattle, WA, August 13, 2010.

Stern, M.J.*, R.B. Powell*, M.E. Wright*, S. Vezeau*. “Stewardship outcomes and motivations and barriers to attend interpretive and curriculum-based programs in Great Smoky Mountains National Park.” Half-day presentation to Great Smoky Mountains National Park management team and staff. Great Smoky Mountains National Park Headquarters, Gatlinburg, TN. June 17, 2010.

- Stern, M.J.* and C. Wynveen. “Program planning and evaluation.” Audubon-Toyota TogetherGreen Fellows Training. National Conservation Training Center. Shepherdstown, WV. November 11, 2009.
- Stern, M.J.* and R.B. Powell*. “Assessing the overall health of interpretation, education, and visitor orientation programs in the National Park Service.” Half-day workshop at the annual meeting of the National Education Council of the National Park Service. Washington, DC. October 28, 2009.
- Stern, M.J.* “Survey Research for Evaluation of Environmental Programs.” National Audubon Society WebEx training. April 28, 2009 and May 4, 2009.
- Stern, M.J.* and N.M. Ardoin*. “Program planning and evaluation.” Audubon-Toyota TogetherGreen Fellows Training. National Conservation Training Center. Shepherdstown, WV. October 10, 2008. November 11, 2009.
- Stern, M.J.*, R.B. Powell, and N.M. Ardoin. “Evaluation workshop for the Audubon-Toyota Together Green Program” National Audubon Society, Washington, DC, February 29, 2008.
- Stern, M.J.* and R.B. Powell*. “Research for sustainable adaptive management of environmental education and outreach at Great Smoky Mountains National Park.” Twin Creeks, Great Smoky Mountains National Park, December 6-7, 2007.
- Stern, M.J.* “Building an evaluation system for the Patterson Park Audubon Center.” Patterson Park Audubon Center, Baltimore, MD. March 9, 2007.
- Stern, M.J.* and N.M. Ardoin*. “Indicators and methods for evaluating program impacts.” NorthBay Adventure Center, Northeast, MD. October 19, 2005.
- Stern, M.J.*, R.B. Powell*, and N.M. Ardoin*. “Strategic planning for a sustainable evaluation system for the NorthBay Adventure Center.” NorthBay Adventure Center, Northeast, MD. June 10, 2005.
- Stern, M.J.*, R.B. Powell*, and N.M. Ardoin*. “Toward an internally sustainable evaluation system for Great Smoky Mountains Institute at Tremont.” Great Smoky Mountains Institute at Tremont, Great Smoky Mountains National Park. December 16-17, 2004.
- Stern, M.J.* “Ecología social: Qué es y cómo se aplica?” Invited workshop given in Spanish to Fundación Ecológica Podocarpus. Loja, Ecuador. July 5, 2004.
- Stern, M.J.* “El ecosistema humano: indicadores por la conservación.” Invited workshop given in Spanish to Fundación Científica San Francisco and Bosque Seco. Loja, Ecuador. July 23, 2001.