



**Coalition for Education in the Outdoors
16th Biennial Research Symposium
January 12-14, 2024; Black Mountain, NC, USA
Pre-Symposium Session and Accepted Research Presentations
In-Person Registration Deadline: December 1, 2023**

Pre-Symposium Session (Friday, January 12, 2024 from 9:00 am – 12 noon)

Integrating Outdoor Education and Formal Schooling: Learning from the Present and Looking to the Future

Facilitated by Jim Sibthorp (University of Utah) and Laurie Browne (American Camp Association)
While outdoor education is not new, widespread, system-level adoption of outdoor education remains uncommon in the United States. The fragmented nature of outdoor education in the U.S. has led to inequitable access despite promising local efforts to offer equal opportunities to all youth. This pre-conference will showcase ways outdoor education has been incorporated into formal schooling, including state-level funding for outdoor and environmental education grants, district-level partnerships, camp-school partnerships, nature-focused schools, and examples from abroad. How can we learn from these present-day examples to expand outdoor education opportunities across the U.S.?

Accepted Research Presentations (listed in no particular order):

A Lack of Belongingness on an Outdoor Orientation Program; Brent Bell (University of New Hampshire), Katriana Katriana (University of New Hampshire), Trevor Guilmette (University of New Hampshire), Joy Horner (Kalamazoo College)

Effects of a Thematic Interpretive Day Camp Program on Children's Environmental Attitudes; Griffin Bray (University of Wisconsin Stevens Point), Rebecca Franzen (University of Wisconsin Stevens Point), Laura E. Anderson (University of Wisconsin Stevens Point)

Discoveries for Wellbeing in and with the ProjectEXPLORE Community: Adventures in Emancipatory Design; Jen Knight (Western Carolina University), Callie Schultz (Western Carolina University), Paul Stonehouse (Western Carolina University), Joy Howard (Western Carolina University), Corey Johnson (North Carolina State University)

Incorporating Citizen Science in Elementary Schools: Teacher and Student Experiences with Outdoor Learning; Sarah Carrier (North Carolina State University), Jill McGowan (North Carolina State University)

The Impact of Adventure Education on Cognitive Flexibility and Intolerance to Uncertainty; Alan Ewert (Indiana University); Curt Davidson (University of Wyoming)

Comparing the Differences Between High and Low Point Narratives in Outdoor Adventure Education; Michael Froehly (University of Utah), Jim Sibthorp (University of Utah), Robert Lubeznik-Warner (University of Utah), Lisa Meerts-Brandsma (University of Utah), Shannon Rochelle (NOLS)

First-Year ROTC Orientation Programing: Trust, Belonging and the Role of Outdoor Adventure; John Henkelman (University of New Hampshire), Brent Bell (University of New Hampshire)

Eco-Anxiety of College Students in an Introductory Environmental Science Course; Kendra Liddicoat (University of Wisconsin Stevens Point), Becca Franzen (University of Wisconsin Stevens Point), Laura Anderson (University of Wisconsin Stevens Point)

A Mixed Methods Study of Staff Well-being at Summer Camp; Robert Lubeznik-Warner (American Camp Association), Taylor Wycoff (American Camp Association), Laurie Browne (American Camp Association)

Influence of Childhood Connection to Nature on India's Outdoor Professionals; Soumya Mitra (Prescott College), Denise Mitten (Prescott College)

Exploring The Role of Recreation in Rural NH Youth's Engagement with Master Narratives; Katelyn Moscouver (University of New Hampshire), Jayson Seaman (University of New Hampshire)

It is So Much More Than Just a Four-Day Residential: The Profound Effects of Supporting Young People Experiencing Homelessness to Thrive in the Outdoors; Benjamin Parry (Clemson University), Jennifer Cumming (University of Birmingham), Janice Thompson (University of Birmingham), Mary Quinton (University of Birmingham), Mark Holland (Newman University)

Multiple Perspectives of Inspirational Instruction in Outdoor Recreation: A Phenomenological Study; Joshua Pighetti (Penn State University), Pete Allison (Penn State University)

Forms of Character Across Cultures: Initial Analysis from a Global Survey of Outward Bound Schools; Kimia Shirzad (Penn State University), Pete Allison (Penn State University), Theresa Melton (Clemson University), Jim Sibthorp (University of Utah), Sarah Wiley (Outward Bound International)

A Cultural Risk Assessment of Led Outdoor Activities; Stuart Slay (Student Conservation Association), Clare Dallat (Risk Resolve), Denise Mitten (Prescott College)

The Relationship of Childhood Outdoor Experience and Gender with College Students' Initial Levels of Outdoor Program Outcomes and Subsequent Changes over Time; Sharon Todd (SUNY Cortland)

Gender Differences in Appalachian Trail Thru-Hikers; Anja Whittington (Radford University), Jeffery Aspelmeier (Radford University), Jay Raymond (West Virginia University Institute of Technology)

The Impact of an Intergenerational Citizen Science Program; Ryan Zwart (Montreat College), Dorothea Shuman (Montreat College)

Inspiration in the Galapagos Islands: Characterizations of Awe, Wonder, and Sublimity; Jim Shores (Asbury University), Brad Daniel (2nd Nature TREC), Brad Faircloth (UNC Asheville)

Outdoor Academic Programs (OAPs) by the Numbers; Brent Bell (University of New Hampshire), Kellie Gerbers (Westminster College), Jeff Turner (Georgia College), Jeremy Jostad (Eastern Washington University), Will Hobbs

Curating a New Meaning of Outdoor Adventure: (Re)thinking How We Represent #microadventure Content on Social Media; Kayler Debrew (Western Carolina University), Callie Schultz (Western Carolina University), Paul Stonehouse (Western Carolina University), Vincent Russell (Western Carolina University), Luc Cousineau (Dalhousie University)

Turning Lessons Inside Out: Supporting Elementary Teachers' Outdoor Learning; Stephanie Fiocca (North Carolina State University), Sarah Carrier (North Carolina State University), Jill McGowan (North Carolina State University)

How Many Ways Can You Say Outdoor Education?; Denise Mitten (Prescott College)

Barriers and Strategies for Utilizing School Outdoor Spaces: Exploring the Experiences of High School Teachers; Erin Waddell (Western Carolina University), Andrew J. Bobilya (Western Carolina University), W. Brad Faircloth (UNC Asheville), Brad Daniel (2nd Nature TREC), Ashley Hoffman (Kentucky Association for Environmental Education; Southeastern Environmental Education Alliance)

Could We Lose Access to Our Classrooms? A Data-Based Discussion About Land Management Decisions That Limit Access to Protected Areas; Dan McCole (Michigan State University), Elizabeth E. Perry (Michigan State University), Andrew J. Bobilya (Western Carolina University), Madison Janes (Michigan State University)

For the 2024 CEO Symposium Information and Registration Visit:

<https://www.2ndnaturetrec.com/event-details/16th-biennial-coalition-for-education-in-the-outdoors-ceo-research-symposium>

For information about the Coalition for Education in the Outdoors including previous symposia Book of Abstracts and access to past issues of *Research in Outdoor Education* visit:
<https://www2.cortland.edu/departments/recreation/ceo/#:~:text=The%20Coalition%20cond ucts%20a%20biennial,adventure%20and%20sustainability%20education%2C%20organized>

In-Person Registration Deadline: December 1, 2023

Virtual Attendance Registration Deadline: December 29, 2023

