Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time	Keywords	Delivery Method
		On-Demand (Pre	recorded) Se	, , , , , , , , , , , , , , , , , , , ,	Eastern Daylight Time		method
Benchmarking Climate Change Policy Across Canadian School Boards: A Few Leaders and Many Laggards	This session will provide an overview of the results of a national review of climate policies across all Canadian school boards.	Ellen Field, Faculty of Education, Lakehead University; Sidney Howlett, Lakehead University	October 9-20	24-hour access		Climate change education Leadership and capacity building	On-Demand (recorded)
Benefits, Barriers, and Strategies: Utilizing School Outdoor Learning Spaces	Thinking back on your high school classrooms, how often did you have a lesson outside? This research dives into the barriers high school beachers face when utilizing school outdoor spaces, in addition to strategies teachers have identified to overcome those barriers. This research could help educators overcome barriers. This barriers in school outdoor sovercome barriers.	Erin Waddell, Western Carolina University	October 9–20	24-hour access		Middle & high school programs Graduate student research	On-Demand (recorded)
Can Netflix's "Our Planet" Impact Adolescents' Connection To Nature?	is it possible for youth to build connection to nature without stepping outdoors? This study explored whether watching an episode of the nature documentary "Our Planer Can help develop connection to nature in 6th grades students. Using a qualifative methodology, we investigated if youth connect to nature through a screen.	Kathryn Blair Downs, Western Carolina University, Callie Schultz, Western Carolina University, Paul Stonehouse, Western Carolina University	October 9–20	24-hour access		Climate change education Justice, equity, diversity, inclusion, and accessibility Graduate student research	On-Demand (recorded)
Case Study: Higher Education Faculty Application of Environmental Literacy into Teacher Education Courses	This research highlights a six-month longitudinal case study involving Higher Education faculty. The Higher Education Environmental Literacy (HEEL) fellowship program floused on the advancement of faculty environmental literacy and its application within teacher education programs. Qualificative data was collected hrough a course systial artifact, pre-post self-reported survey, and participant reflections.	Chelsea McClure, Towson University	October 9–20	24-hour access		Adult education University programs Leadership and capacity building	On-Demand (recorded)
Climate Action Education: A Global View of Challenges and Best Practice	How does the role of teachers as climate educators work in practice around the world? In 2023, Take Action Global partinered with Shift Sustainability and EARTHDAY. ORG to research answers to this question. The study uncovered five key themes. This session serves to explore the results and expand the convensation.	Jennifer Williams, Take Action Global; Lindsay Zilly, TAG; Hila Davies, Take Action Global; Jenny Kedros, Shift Sustainability	October 9–20	24-hour access		Climate change education Leadership and capacity building International EE	On-Demand (recorded)
Co-Learning Across Boundaries Between Education and Environment Through University Partnerships	University-community partnerships provide opportunities for university students to engage in transdisciplinary, assidents to engage in transdisciplinary, assidents to engage in transdisciplinary, and the students of the st	Emily Sprowts, McGill University	October 9–20	24-hour access		University programs Civic engagement Graduate student research	On-Demand (recorded)
Confluence: Linking Clitzen Science and Environmental Education to Inspire Stewardship	Citizen Science and environmental education offer complementary approaches to move participants towards environmental illeracy, yet Illier research works on their infersection. This study shares results of an integrate EE and CS program to move youth campers from awareness to stewardship through engagement in a waker quality monitoring citizen science project.	Dave Smaldone, West Virginia University	October 9–20	24-hour access		Civic engagement STEM	On-Demand (recorded)
Connection to Nature and Positive Youth Development Through Urban Agriculture	In this presentation we will explore how urban youth perceive their connection to nature through participation in an urban agriculture and youth development program. We will also explore how urban agriculture programs promote social connection and sense of belonging among program participants.	Casey Ortbahn, The Ohio State University; Marijke Hecht, The Ohio State University; Kristi Lekies, The Ohio State University	October 9–20	24-hour access		Gardening and food systems Graduate student research Middle & high school programs	On-Demand (recorded)
Connection to Nature, Climate Anxiety, and Hope	Research increasingly recognizes the benefits associated with a connection to nature. How individuals relate with nature may shape their perception and response to the threat of climate change. This presentation focuses on the development of research exploring the degree to which CTN exasperates or ameliorates climate anxiety in young adults.	Steven B Jackson, Florida Gulf Coast University: Danielle Frank Lawson, The Pennsylvania State University	October 9–20	24-hour access		Climate change education Leadership and capacity building Adult education	On-Demand (recorded)
Developing a Measurement for Self-Perceived Climate Action Competence	Join us to explore the development a scale assessing undergradualet's self- perceived dirate action competence. This measurement encompasses knowledge, efficacy, and action intention, focusing on SDGs 13, Climate Action. We are happy to share our experience and get valuable feedback about the design of this scale and application in program evaluation!	Yu-Chi Tseng, National Taiwan Normal University: Chia-Yu Wang, National Taiwan University of Science and Technology, Taiwan; Shu-Chiu Liu, National Sun Yat-sen University: Shu-Sheng Lin, Department of Education, National Chiayi University	October 9–20	24-hour access		Climate change education University programs Leadership and capacity building	On-Demand (recorded)

		All times are listed if			End Time		Delivery
Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time Eastern Daylight Time	Keywords	Delivery Method
Educating the Experts: Development of a Climate Change Communication Workshop	Climate change research is often confined to the realm of academia where it fails to reach the most vulnerable communities. In order to empower scientists to entire these public engagement spaces, I have created a workshop curriculum provem to enhance scientists' confidence in and appreciation for public disloque.	Katrina Vickery, Oregon State University	October 9–20	24-hour access		Graduate student research Climate change education Adult education	On-Demand (recorded)
Experiential Learning for Climate Literacy Through Film	The Tampa Bay region is experiencing high impact from climate change but demonstrate so two preparedness. This project tested innovative environmental communication through the creation of a tim showcasing personal stories from around the Gulf. Results indicate a rise in leaders who viewed the film.	Rebecca Johns, USFSP	October 9–20	24-hour access		Climate change education Civic engagement Leadership and capacity building	On-Demand (recorded)
Explore Chinese Land-Body Connection with Art-Based Storytelling	As a Chinese immigrant, mother, outdoor educator, and middle-class researcher, I am constantly in the disloque with different layers of my body, two lands, and two languages. Visual and allowed me to share my autoethnographic research with a broader audience, especially immigrants committed to being good relatives on the land.	Peng Liu Nelson, University of Minnesota Twin Cities	October 9–20	24-hour access		Arts Graduate student research Justice, equity, diversity, inclusion, and accessibility	On-Demand (recorded)
Food Sovereignty, Ecopedagogies, and Foraging: Transformative Pedagogies for Connections	We will discuss a course's use of pedagogy that was developed for elementary students that addressed local sources of food, foraging, food relationships and food sovereignty, Five classes were developed to talk about sourcing responsibly, reciprocally, safely; untilion; go on a foraging field trig; and a culminating cooking competition.	Michaela Ensweiler, UCLA	October 9–20	24-hour access		Elementary school programs Gardening and food systems Justice, equity, diversity, inclusion, and accessibility	On-Demand (recorded)
Growing Connectedness, Engagement, and Happiness in a Middle School Garden	Our presentation examines the relationship between learning outside and student outcomes utilizing an eleven week curriculum in a public school garden. We report findings of a mixed methods study involving interviews conducted with 25 sidth-graders. Results suggest the school garden project tacilitated connectidenses, engagement, and enjoyment among students.	William D Giblin, Culbreth Middle School; Heldi Hollingsworth, Ph.D., Elon University	October 9–20	24-hour access		Climate change education Middle & high school programs Gardening and food systems	On-Demand (recorded)
How "Politics4Future" supports Teacher-students' Readiness on ESD & GCED. An international evaluation	Teacher-students' Readiness' aims to investigate Motivation, Skills and Opportunities to sach Education for Sustainable Development & Global Citizenahip Education of leacher-students from 5 countries, who look part in Politicas/Future fornitier training, styling politicas/Future fornitier training, styling findings from this mixed-methods survey on students, curriculum developers and policy experts of SDG 4.7 will be presented.	Philipp Menna, Julius- Maximilians-University Würzburg	October 9–20	24-hour access		International EE Graduate student research University programs	On-Demand (recorded)
How Can Conservation Education During Whale Watching Sustain Pro- Environmental Behaviours?	My research findings suggest on board whale watching conservation education continue to use structured programs that equally involve the whales, the environment and the participants, but the another than the program of the program	Sarah Board, Maritime Museum of British Columbia / UBC	October 9–20	24-hour access		Graduate student research Climate change education Civic engagement	On-Demand (recorded)
Integrating ESD In Geography Curriculum: Geography Teachers' Perception and Pedagogical Practices	The purpose of this presentation is to examine geography teachers' perception and practices within integrating ESD in high school geography curriculum. Through an emprical case of developing and conducting as ESD-integrated discusses how to effectively reach sustainable development in geography classroom, through teachers' teaching experiences.	Sojung Huh, Texas State University	October 9–20	24-hour access		Middle & high school programs Graduate student research	On-Demand (recorded)
Investigating Student Agency And Empowerment In Assessing Sustainability Learning Outcomes	Sustainability education positions students at the center of the learning process, yet this is not often the case with how learning is assessed. This research theoretizes an approach to strengthen student agency in assessment processes and reflects on how research in the field situates students in the learning process.	Jordan King, Arizona State University	October 9–20	24-hour access		Graduate student research University programs Young professionals	On-Demand (recorded)

		All times are noted in	Luotem Duyng	int rime.			
Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time Eastern Daylight Time	Keywords	Delivery Method
Measuring Change: The State of Environmental Education in Maline	The 2022 Census of Community-Based Outdoor and Environmental Learning in Maine captured data from \$20 deducators as a follow-up to the initial 2019 landscapes study. Well share about our data collection methods, collaborative were faming has changed in Maine over the past three years.	Alexandria Brasili, Maine Mathematics and Science Alliance; Kelsie Dawson, MMSA Clivia Griset, Maine Environmental Education Association	October 9–20	24-hour access		Justice, equity, diversity, inclusion, and accessibility Leadership and capacity building	On-Demand (recorded)
Measuring Elementary Students' Environmental Literacy In South Korea	This study focuses on developing and validating an environmental literacy (EL) instrument to measure the EL of elementary school students in South Korea. The paper discusses key issues related to the scope and measurement method of EL, and reveals the fevel of emotion entitle and reveals the fevel of emotion entitle and reveals the fevel of emotion entitle school and the school of the school	Jinyoung Kang, National Research Council for Economics, Humanities and Social Sciences	October 9–20	24-hour access		Elementary school programs International EE	On-Demand (recorded)
Nature-Based Social- Emolional Learning: Forest Bathing as Pedagogy	Forest bathing, a nature-based mindfulness practice, is a promising pedagogy for social-emotional learning, in this mixed-methods study, forest bathing significantly increased adolescent mental well-dering and adolescent mental well-dering and will learn reasons to incorporate former will learn reasons to incorporate forestabathing in environmental education to increase well-being and motivation to care for the environment.	Jennifer Keller, Anšoch University New England	October 9–20	24-hour access		Middle & high school programs Elementary school programs Graduate student research	On-Demand (recorded)
Nuclear Energy and Environmental Education: Exploring Canadian Perspectives	Nuclear energy is an underexplored and potentially controversial area of research within environmental education. In this presentation, I will present energing findings from a comparative discourse analysis of Canadian nuclear energy currolla and news media coverage, and entire the control of the control	Greg Lowan-Trudeau, University of Calgary	October 9–20	24-hour access		Climate change education STEM Civic engagement	On-Demand (recorded)
Pedagogical Documentation And Reflection in Outdoor Early Childhood Education	What tools best facilitate the inquiry and reflection cycle, specifically in an outdoor environment in which children environment in which children environment in which children interests? Data collected during weekly visits to an outdoor preschool in North Carolina, The Whitlicower School will guide conversation centered around this essential question.	Sophie Ilana Miller, Elon University	October 9–20	24-hour access		Early childhood	On-Demand (recorded)
Personal Environmental Efficacy: What Contributes and What That Could Mean	Personal environmental efficacy is the extent to which individuals feel their actions can affect the natural environment. Many factors contribute to this efficacy, but the construct is not fully understood. Movation and self-efficacy theories inform this study, which seeks better understand environmental efficacy and its relationships with other factors.	Katherine Cornwall	October 9–20	24-hour access		Climate change education Graduate student research Civic engagement	On-Demand (recorded)
Place-Based Mobile Learning for Climate Change Education with High School Students	The presented study examines the potentials of place-based mobile learning to teach and promote CCE. Therefore an intervention-based study with N = 303 high school students in Germany was conducted within the topic of dimate change adaptation. The results show promising approaches to teaching the variables of knowledge and motivation.	Steffen Ciprina, Ruhr Universität Bochum	October 9–20	24-hour access		Climate change education Middle & high school programs	On-Demand (recorded)
Quantifying the Impact: Environmental Education Influences Students' Connection to Nature	Discover how research is elucidating how formal and non-formal environmental education impacts students freelings of connectedness to nature. This cutting deple inquiry explores the impact that emotional connection, developed during formal and nothernal environmental education experiences, has on elementary and middle school spe students environmentally responsible behavior.	Dylan Burgevin, Towson University, Sarah Haines, Towson University	October 9–20	24-hour access		Elementary school programs Graduate student research Middle & high school programs	On-Demand (recorded)
Raising Students' Sustainable Living Awareness Through Education for Sustainable Development	Our lifestyle choices impact our world profoundly. Every one of us can do something to lake care of our planet. Teaching sustainable living is crucial to find ways for everyone to live better. Therefore, this research aims to raise students' sustainable living awareness through education for sustainable development.	Asli Koculu, Yildiz Technical University	October 9–20	24-hour access		Elementary school programs International EE NGSS/Common Core	On-Demand (recorded)
Refining the Environmental Identity Development (EID) model through ongoing research	This session will present thematic and audio-video findings from 8 years of qualitative research with children from rural and non-rural Maska to refine the emotional and behavioral attributes of children's environmental identity formation across cultural and geographical contexts.	Carie J Green, South Dakota State University	October 9–20	24-hour access		Early childhood Traditional knowledge International EE	On-Demand (recorded)

				,			
Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time Eastern Daylight Time	Keywords	Delivery Method
Reimagining Sustainability: An Undergraduate Field- Based Course	Join me for a pre-recorded presentation on 'Reimagning Sustainability', a transdisciplinary undergraduate course that explores sustainability from multiple especies. Escover the course's experiental teaching techniques and world views on birrogionalism and ecological literacy. Gain insight into innovative approaches to sustainability education and prepare students for the challenges of our world biday.	Nathan Hensley	October 9–20	24-hour access		University programs	On-Demand (recorded)
Students as Scientists: How Clitzen Science Intersects with Outdoor Learning	How does citizen science (CS) connect students to outdoor learning, classroom science, and their lives? We present qualitative data that explore the intersection of CS and outdoor learning, highlighting students' voices and experiences farmed in experients are experienced in experienced in the control of	Jill McGowan, North Carolina State University: Sarah J Carrier, North Carolina State University	October 9–20	24-hour access		Elementary school programs Graduate student research	On-Demand (recorded)
Teachers' Barriers and Challenges to Implementing Environmental/Climate Change Education	Almost half of American youth reported negative emotions and inadequate preparation for climate change challenges (Hickman et al., 2023). Despite here satistica, less than half of tachers feel prepared to leach dimate change (Will, Mr. 2023). What barries need to be addressed to support teachers preparing our youth for environmental challenges?	Melissa Schug, N/A	October 9–20	24-hour access		Climate change education Graduate student research Underserved audiences	On-Demand (recorded)
The Impact of a Photo- Sharing Community on University Students' Place Altachment	We created an online photo-sharing community for university students to post course related photos taken on campus. We conducted a quasi-experiment and used surveys and intensives to explore the impact of such activities on students' place attachment, which provides implications for incorporating innovative teaching approaches in university courses.	Wangda Zhu, Cornell University, Yue Li, University of Wisconsin-Slevens Point, Ying Hua, Cornell University	October 9–20	24-hour access		University programs Graduate student research	On-Demand (recorded)
Three Sisters Agriculture and Traditional Knowledge: A Meta-Analysis	The Three Sisters method of raising com, beans, and squash is a sustainable practice that has been used by indigenous Peoples for centuries. The literature on his practice has not been examined systematically. This study investigates the utility of several indicators including indigenous and colonialist perspectives regarding this growing system.	Kristine Michelets, Iowa State University	October 9–20	24-hour access		Graduate student research Justice, equity, diversity, inclusion, and accessibility Traditional knowledge	On-Demand (recorded)
Understanding How Zoo and Aquarium Visits Impact Plastic Usage Behavior	Learn how two new zoo and aquarium exhibitions were designed to communicate the effects of marine plastic and how these exhibitions impacted guests' behavior. We will discuss the evaluations of the exhibitions and what implications our findings have for the field of evaluation and interpretation at informal science institutions.	Amanda Lindell, Inform Evaluation & Research; Melissa Mair, Houston Zoo; Erica Kelly, Monlerey Bay Aquartum	October 9–20	24-hour access		Civic engagement Climate change education	On-Demand (recorded)
	11	Live Session	ns (October	12)		l.	
		Special Session — All tim	es are Eastern Da	ylight Time			
Meeting of the Minds: Early Career Mentoring and Networking	This session focuses on mentoring early career researchers. The session will be led by early career standouts in our field, offering advice on topics of special interest to the early career researcher. Breakout rooms will include publishing, sesting a research agenda, grant funding, academy, and working outside the academy.	Roberta Howard Hunter, Michigan State University; Danielle Frank Lawson, The Pennsylvania State University; Alan Reid, Monash University; Steven Braun, eeRISE LLC	Thursday, October 12	10:00 AM	10:50 AM	Leadership and capacity building Young professionals	live (via Zoom)
		Plenary Session — All tim	es are Eastern Da	ylight Time			
Research Symposium: Opening Keynote	Welcoming and Opening Keynote by Dr. Christina Kwauk	Symposium Co-Chairs: Scott Morrison, Elon University; Marijke Hecht, The Ohio State University Dr. Christina Kwauk, Research Director, Unbounded Associates	Thursday, October 12	11:00 AM	12:15 PM		live (via Zoom)
	T	Combined Panel #1A — All	times are Eastern	Daylight Time			
Can Forest Science Participation Impact Elementary Students' Sense of Place?	We share our study of elementary students' place attachment, identity, and stewardship of their local forest as a result of participating in a year-long school forest monitoring project.	Jadda M. Miller, University of California Davis	Thursday, October 12	12:30 PM	1:45 PM	Elementary school programs	live (via Zoom)
Place-Based-Environmental- Science-Education Program for Dumpsite School Children Using Their Community Funds of Knowledge	This participatory action research attempted to examine our experience of enacting an after-school-place-based- environmental-science-education program alongside with school children living near a dumpsite near an urban center in the central Philippines.	Vicente Callao Handa, Appalachian State University; Franz Ian D. Solomon, West Visayas State University, Rey Mark Clarence L. Sincer, West Visayas State University	Thursday, October 12	12:30 PM	1:45 PM	Justice, equity, diversity, inclusion, and accessibility STEM International EE	live (via Zoom)

	1						
Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time Eastern Daylight Time	Keywords	Delivery Method
Taking STEM Outside for Student Wellbeing: A Pilot Study	We present findings from a pilot study exploring elementary students' self-reported wellbeing price to and directly following participation in a 90-min. outdoor STEM activity. Preliminary findings demonstrate how outdoor STEM activities can support elements of student wellbeing, specifically their engagement and optimism.	Annette Schmidt, Arizona State University	Thursday, October 12	12:30 PM	1:45 PM	Elementary school programs STEM	live (via Zoom)
Teaching Climate Justice in the Anthropocene through Student Ethnography	Ongoing research into a group of Indian children in a Climate Education and Creative Writing program indicates that the children develop a more nuanced idea of the Anthropocene involving its disproportionate impacts on marginalized communities through Student Ethnography projects. This progress will be further evaluated once the course is completed	Abubakr Mohammed Jamal, Universiti Teknologi Malaysia	Thursday, October 12	12:30 PM	1:45 PM	Climate change education Justice, equity, diversity, inclusion, and accessibility Arts	live (via Zoom)
		Combined Panel #1B — All t	times are Eastern	Daylight Time			
Advancing Climate Change Education in Tertiary Education	Climate change education (CCE) is a critical strategy to tackle the climate crisis. CCE research and practice often focus on primary and secondary education, but what and how are terliary institutions doing? Join Michèle Martin to learn about the University of Waterflor's approach and share your experiences with tertiary CCE.	Michèle Paule Martin, University of Waterloo	Thursday, October 12	12:30 PM	1:45 PM	University programs Climate change education Leadership and capacity building	live (via Zoom)
Creating a Tertiary Educators' Interdisciplinary Research and Practice Network	Universities have a crucial role in educating people to create a just world for all, but teaching for such change within their structures is challenging. This presentation shares the development of a community of practice of tertiary educators as they build relationships across disciplines, share pedagogies and leaching innovations.	Sally Birdsall, The University of Auckland	Thursday, October 12	12:30 PM	1:45 PM	Leadership and capacity building University programs	live (via Zoom)
Environmental and Sustainability Education Programs at AAUs: A Review of the Field	A survey of AAU colleges of education examined the extent to which these institutions are engaged in environmental and sustainability education. Results indicate that within the most prestigious universities, ESE is a small, but growing, subfield of education, primarily in teacher preparation. AAUs are well-positioned to have a large impact.	Samantha Lindgren, University of Illinois Urbana-Champaign: Jon Hale, University of Illinois Urbana-Champaign: Jorda Conerty, University of Illinois Urbana-Champaign	Thursday, October 12	12:30 PM	1:45 PM	University programs Justice, equity, diversity, inclusion, and accessibility Leadership and capacity building	live (via Zoom)
Ouldoor Campuses in Higher Education: Resources, Opportunities, and Best Practices	Outdoor campuses are intended as sites for high-impact outdoorenvironmental straight-impact outdoorenvironmental by the project exposers services and best practices in higher excusion using Colombia institutions as a focus for maximizing access to and exquasion (using Octombia institutions as a focus) for maximizing access to and engagement with such campuses. We explore opportunities for leveraging outdoor campuses for both academic and community environmental education.	Aidan Luter, Colorado College; Juan Miguel Arias (hel/el), Colorado College	Thursday, October 12	12:30 PM	1:45 PM	Justice, equity, diversity, inclusion, and accessibility Leadership and capacity building University programs	live (via Zoom)
		Combined Panel #1C — All t	times are Eastern	Daylight Time			,
Costs, Benefits, and Environmental Action: Why Marginal Analysis Matters	Environmental education programs often highlight the total benefits from the coclective action of many. But economic theory and evidence suggest that individual behavior is responsive to marginal cost-benefit analysis. Greater emphases in teaching marginal economic analysis may allow environmental educations to achieve more success engaging people in responsible environmental behavior.	Tom Rhoads, Towson University	Thursday, October 12	12:30 PM	1:45 PM	Traditional knowledge	live (via Zoom)
Integrating Humanistic Perspectives into Environmental Sciences using the STEM Futures Framework	Leam about the STEM Futures framework, a course design tool for STEM that inlegrates three knowledge domains—bundational, humanistic, and metal-knowledge. Explore an environmental case study developed using the tool that illustrates how traditional and indigenous practices can be applied to contemporary watershed management.	Sharon Locke, Southern Illinois University Edwardsville; Kathleen Vongsathorn, Southern Illinois University Edwardsville	Thursday, October 12	12:30 PM	1:45 PM	University programs STEM Traditional knowledge	live (via Zoom)
Supporting Elementary Teachers' Clitzen Science Instruction	Elementary teachers face many challenges for including reform-based science instruction in their classrooms, and some teachers have chosen to enhance their science instruction by introducing students to citizes science (CS) projects. We present two teachers implementation of CS using educative curriculum sortic students to citize with curriculum sortic students to citize the control of CS using educative curriculum sortic students and their students to citize the control of the con	Sarah J Carrier, North Carolina State University: Jill McGowan, North Carolina State University	Thursday, October 12	12:30 PM	1:45 PM	Elementary school programs	live (via Zoom)

Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time Eastern Daylight Time	Keywords	Delivery Method
Why Comparative Policy Research Matters for Environmental and Sustainability Education	il effective communication and education are key responses to environmental experimental production and production and post of mylamental policies in this area is crisical. This presentation arquest hat comparative policy research constitutes an important leverage point for scleening change in education policy and practice for environmental and sustainability education, including climate change.	Kristen Hargis, University of Saskatchewan, Marcia McKenzie, University of Melbourne	Thursday, October 12	12:30 PM	1:45 PM	Climate change education international EE Leadership and capacity building	live (via Zoom
		Panel — All times ar	e Eastern Dayligh	Time			
Natural Leaders: Supporting Diverse College Students in Environmental Leadership	This panel of former students in an undergraduate environmental leadership development program, Earth Grant, will present participatory research findings on student strategies for environmental leadership, and common barriers leadership, and common barriers dicussion will content best practices for equitable, relevant, and actionable environmental leadership education with post-pandemic-era young adults.	Leona F Davis, University of Arizona; Maya Tainalongo, University of Arizona; Kendra Martinez, Tulane University, Zephani Melichar, University of Arizona, Brenna Preen, University of Arizona	Thursday, October 12	12:30 PM	1:45 PM	Justice, equity, diversity, inclusion, and accessibility Leadership and capacity building University programs	live (via Zoom
		Panel — All times ar	e Eastern Dayligh	t Time			•
Students as Environmental Leaders: Understanding Human impacts on Coastal Ecology	This interactive session aims to share results, experiences, and lessons from environmental educators, education researchers, and policy experts on how a sudent-centered summer course can empower students to act as empower students to act as environmental leaders. Altendees will be engaged in a hands-on activity replicating student experiences from the summer course.	Hamza Malik, UMass Dartmouth & Lloyd Center for the Environment, Rachel Stronach, Lloyd Center for the Environment, Stephen B Witzig, UMass Dartmouth; Chad J McGuire, UMass Dartmouth	Thursday, October 12	12:30 PM	1:45 PM	Civic engagement Middle & high school programs STEM	live (via Zoom)
		Workshop — All times	are Eastern Dayli	ght Time			•
Grounded Theory Methodology in Action: Utilizing Member Checking to Co-Construct Knowledge	Using a recently conducted Grounded Theory inquiry as a case study, participants will take a 'behind the scenes' look at topics often discussed briefly in qualitative research, including model building and member checking, as a means of authentically co-construcing knowledge and deepening community interest and investment in research.	Claire Curran Underwood, University of MN Duluth; Julie Ernst, UMD	Thursday, October 12	12:30 PM	1:45 PM	Graduate student research Justice, equity, diversity, inclusion, and accessibility Young professionals	live (via Zoom)
		Combined Panel #2A — All	times are Eastern	Daylight Time			•
An Educational Experiment in Public Dialogue: Researching Climate Interventions with Young People	This live online session uses question cards developed in research workshops with young people, scientists and policymakers to explore different responses to dimate change, from soci- political actions to technoscientific responses. We arrupe that disloque that produces questions encourages constructive disagreement, and has the potential to depolarise discussion of controversies.	Lynda Dunlop, University of York; Elizabeth Rushton, University of Stirling	Thursday, October 12	2:45 PM	4:00 PM	Climate change education Civic engagement Arts	live (via Zoom)
Evaluating Experiential Coral Restoration Impacts on Diver Perceptions of Reef Threats	Does experiential learning about coral restoration improve diver awareness of the root causes for coral reef decline, and can it catalyze further action for their protection? I'll present methods and preliminary results from an 8-month dataset collected from a wide range of volunteer divers and dive professionals in Honduras's Bay Islands.	Sierra Garcia, Fulbright- National Geographic Storytelling Fellow	Thursday, October 12	2:45 PM	4:00 PM	International EE Adult education Climate change education	live (via Zoom)
Exploring Environmental Sensitivity of African American and Hispanic American College Students	This presentation explores the methodology, results, and implications of a two-phase mixed-methods dissertation study. Through surveys and interviews the development of environmental sensitivity were explored in this underrepresented population within the EE field. Conference participants will be invited to discuss how this study impacts the research field in EE.	Danielle Pastor, Florida Institute of Technology, Thomas J. Marcinkowski, Florida Institute of Technology	Thursday, October 12	2:45 PM	4:00 PM	Underserved audiences Graduate student research Elementary school programs	live (via Zoom
Sociocritical Perspectives on Renewable Energy Education in Canada	In this presentation, we will present emerging findings from a critical ethnographic study of the experiences and perspectives of sociocifical renewable energy educations in the province of Alberta and other regions of Canada. We will also identify future research opportunities and invite discussion regarding sociocifical approaches to renewable energy	Greg Lowan-Trudeau, University of Calgary, Teresa Anne Fowler, Concordia University of Edmonton	Thursday, October 12	2:45 PM	4:00 PM	STEM Climate change education Justice, equity, diversity, inclusion, and accessibility	live (via Zoom
	education						

				Chart Time	End Time		Delivery
Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time Eastern Daylight Time	Keywords	Method
Locus of Responsibility: Measuring the Perception of Climate Change Action	The development process of the new measurement tool for the Locus of Responsibility is detailed, highlighting findings from the initial analysis and psychometric properties. Broader implications of how individuals perceive of the responsibility for climate change action are discussed, including links to self-efficacy and mental health.	Katherine Comwall	Thursday, October 12	2:45 PM	4:00 PM	Climate change education Graduate student research Civic engagement	live (via Zoom)
Social Studies' Advocates for Environmental and Sustainability Education	Social studies scholars have advocated for making a case that environmental issues are social issues, not just the purview of natural science education. This proposal aims to systematically review social studies advocates for environmental and sustainability education, particularly focusing on the values or assumptions the authors hold in their articles.	Yun-Wen Chan, Texas State University	Thursday, October 12	2:45 PM	4:00 PM	Traditional knowledge Civic engagement	live (via Zoom)
The Handprint Initiative: Empowering Teachers and Students Towards SDGs Actions	The Handprint Initiative is an action- oriented educational approach based on the development of the key competences for sustainability. It's aim is to empower teachers and students so they become changemakers by actively participating in the decision-making processes of our society.	Wendy Quetzal Morel Schramm, The Handprint Initiative/Humboldt University; Pablo Andrés Ruz Salmones, The Handprint Initiative/X Eleva Group	Thursday, October 12	2:45 PM	4:00 PM	International EE Leadership and capacity building Middle & high school programs	live (via Zoom)
The MINT Program: Designing Nature-based Social Interventions for Teen Parents	Describing findings from the school- based Meeting in Nature Together (MINT) study with teen parents that cultivated belonging, calm, and increased connection to others and to nature. Learn ingredients, challenges, and strategies for hard-to-reach individuals at trisk for loneliness, including teen parents and adolescents in general.	Ashby Lavelle Sachs, Barcelona Institute for Global Health, University of Colorado, Boulder	Thursday, October 12	2:45 PM	4:00 PM	Graduate student research Middle & high school programs Underserved audiences	live (via Zoom)
		Combined Panel #2C — All t	imes are Eastern	Daylight Time			
Expanding the Transactive Learning Model to Climate Education Through Mixed Reality Game Design	This presentation outlines findings gained qualitative research observations during the UN Green Game Jam. Design leams created game designs to empower climate action. We propose a new tramework for understanding how mixed reality games for climate action can create cycles of change between real world, game world, and player.	Clayton Whittle, Project Learning Tree, Penn State University: Trevin York, Dire Lark Games	Thursday, October 12	2:45 PM	4:00 PM	Climate change education	live (via Zoom)
How Does Environmental Education in Social Media Work?	Social media offers new ways of online learning. Especially sustainability topics are presented and discussed on online platforms like Instagram and TikTok. In my study, I investigate how and why young adults learn about sustainability topics in social media. For the investigation designed a new scale called SMUS.	Annika Bush, Bielefeld University	Thursday, October 12	2:45 PM	4:00 PM	International EE Adult education Climate change education	live (via Zoom)
TikToking About Environmental Science: The Case of Youth-Led Environmental Education and Activism on TikTok	This study explores how youth use one prominent environmental science page on TikTok to educate, inspire action, and challenge dominant power structures embedded in environmental issues. Findings indicate that youth on this TikTok page engage in a variety of promising strategies for translating education into sustained environmental action.	Monica Blaisdell, Drexel University	Thursday, October 12	2:45 PM	4:00 PM	Civic engagement Climate change education Leadership and capacity building	live (via Zoom)
		Panel — All times ar	e Eastern Dayligh	t Time			•
Climate Change- Responsive Social Studies, History, and Clitzenship Education	How can social studies, history, and offizerahip education prepare youth for the "viticked problem" of climate change? We share experiences, sources of inspiration, and research ideas gathered through interviews with experts and curriculum analysis to reimagine the fluture of social studies, history, and citizenship education that activates climate action.	Healther E. McGregor, Queen's University, Rebecca S. Evans, Queen's University	Thursday, October 12	2:45 PM	4:00 PM	Climate change education international EE Civic engagement	live (via Zoom)
		Panel — All times ar	e Eastern Dayligh	t Time		i .	,
Social-Ecological Justice- Oriented Environmental Education with Human and More-than-Human Beings	Researchers working with teachers and students on three different social- cological justice oriented environmental cological place oriented environmental and transportation of the cological and transportation or the cological and transportation or the cological cological electrical data from these projects and investigate how each transportation different understandings of the relationships between human and more- than-human beings and social-ecological justice.	Marijke Hecht, The Ohio State Universily; Roberta Howard Hunter, Michigan State University; Heldi B. Carlone, Vanderbilt University; Tessaly Jen, Vanderbilt University	Thursday, October 12	2:45 PM	4:00 PM	Civic engagement Justice, equity, diversity, inclusion, and accessibility STEM	live (via Zoom)
		Workshop — All times	are Eastern Dayli	ght Time			

This is a preliminary schedule, accurate as of September 12. Topics and times are subject to change. The final schedule will be available through the conference platform when it launches in October. The platform includes the opportunity to add esessions to your calendar.

All times are listed in Eastern Daylight Time.

Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time Eastern Daylight Time	Keywords	Delivery Method
Investigating Analysis Methods for Wearable Cameras in EE Research	Wearable cameras provide insight of a child's perspective. Workshop presenters will discuss how to analyze the video captured by these cameras, including organizing data, coding by hand, using qualitative software, transcribing, capturing speeds and frames, and producing videos and subtiting.	Carie J Green, South Dakota State University; Ugochukwu Victor Ezeakunne, South Dakota State University	Thursday, October 12	2:45 PM	4:00 PM	Justice, equity, diversity, inclusion, and accessibility Early childhood	live (via Zoom)
		Combined Panel #3A — All t	imes are Eastern	Daylight Time			
Climate Education Using Project Based Learning in India	The presentation highlights the cognitive, affective and behavioral outcomes of a discrive and behavioral outcomes of a module on bidan children. The module integrated scientific-technical learning about climate change, with climate justice, arts-based expression and climate action. Children authored storybooks on climate change and underebook climate action within their communities as an outcome of the module.	Aneesa Jamal, Universiti Teknologi Malaysia	Thursday, October 12	4:15 PM	5:30 PM	Climate change education Justice, equity, diversity, Inclusion, and accessibility Middle & high school programs	live (via Zoom)
Long-Term Impacts of a Climate Change Train-the- Trainer Program	This presentation will highlight the results of a study analyzing the long-term impacts of a dimate communication tain-management and the state of t	Megan E Ennes, University of Florida	Thursday, October 12	4:15 PM	5:30 PM	Climate change education Leadership and capacity building	live (via Zoom)
Researching Climate Hope and Eco-Anxiety in Coastal Ecuador	This mixed-methods study examines how and to what extent high school teachers and students in coastal Ecuador experience eco-anxiety and/or climate hope. This presentation will share initial findings from summer 2023 dissertation field research, and discuss implications for future mixed-methods studies on climate hope in Latin America.	Neela Nandyal, University of Minnesota	Thursday, October 12	4:15 PM	5:30 PM	International EE Graduate student research Climate change education	live (via Zoom)
Resilience Education: Environmental Education for Hope, Action, Justice, and Community	This session explores how resilience education offers a promising pathway forward for education on environmental challenges. We explore a co-designed resilience curriculum to look at opportunities to challenge dominant narratives in EE, folloating more holistic, narratives in EE, folloating more holistic, hopeful, actionable, and justice-oriented teaming opportunities for young people.	Kelsey Tayne, North Carolina State University; Aurora McCollum, Duke University Marine Lab; Kathyn Stevenson, NC State University; Liz DeMattia, Duke University; Patrick Jeffs, The Resiliency Solution	Thursday, October 12	4:15 PM	5:30 PM	Civic engagement Climate change education Middle & high school programs	live (via Zoom)
		Combined Panel #3B — All t	imes are Eastern	Daylight Time			
	This session will discuss a critical participatory action research (CPAR) satuly on Black youth nature relabedness in selected nature-based education and virginal. Participation of the properties of the propert	Sydney Iman Murray, University of Ush Environmental Humanities Graduate Student	Thursday, October 12	4:15 PM	5:30 PM	Graduate student research Justice, equity, diversity, inclusion, and socessibility Underserved audiences	live (via Zoom)
Educator Innovations in Climate Action Curriculum	Come learn about how and why 50 different educators from 5 different countries adapted their curriculum to enable and empower student climate action. The study identifies beave modivasions and frameworks for how the motivations and frameworks for how the year innovating, as well as insights for those working to design curriculum or scale educator training.	Clare Sisisky, Columbia University	Thursday, October 12	4:15 PM	5:30 PM	Climate change education Middle & high school programs Leadership and capacity building	live (via Zoom)
(Re)Making Sense of Place in Outdoor Adventure and Environmental Education	Explore a recent study on the development and implementation of a critically renovated sense of place (SOP) curriculum and practice in outdoor education. Findings will be presented as lessons learned to assist educators in the analysis of their own SOP pedagogy and practices and to encourage SOP curricula toward anticolonial aims.	Cecil Goodman, Prescott College	Thursday, October 12	4:15 PM	5:30 PM	Justice, equity, diversity, inclusion, and accessibility Leadership and capacity building University programs	live (via Zoom)
Situating Black Histories and Place Relations on Kalapuya Lands	Liberal multiculturalism is pervasive in fattening the important historical and populisad differences between dissimilarly oppressed groups" (Saranillo 2015). This presentation will reflect on the productive tensions of theorizing Indigenous and Black place and land relations in the Pacific Northwest through a curriculum development project.	Maya Revell, University of Oregon	Thursday, October 12	4:15 PM	5:30 PM	Justice, equity, diversity, inclusion, and accessibility Underserved audiences Graduate student research	live (via Zoom)
		Combined Panel #3C — All t	imes are Eastern	Daylight Time	•	•	

		All tillies die listed li	Luotem Duyn	giit riiiic.			
Title	Summary	Presenters	Date	Start Time Eastern Daylight Time	End Time Eastern Daylight Time	Keywords	Delivery Method
Educators' Fight for Statewide Climate Education Legislation in Oregon	In Oregon, a small group of educators has organized since 2020 to crowd-source and introduce satewide climate education legislation. As a core member of this group, I would like to share some of our process and lessons learned as well as consider the potential or lost as consider the potential or lost education activism.	Sarah Stapleton, University of Oregon	Thursday, October 12	4:15 PM	5:30 PM	Climate change education Civic engagement Leadership and capacity building	live (via Zoom)
Immersive Nature Experiences and Adolescents' Coping with Climate Change	What is the relationship between immersive nature experiences and adolescents: Conjng with climate change? What features of immersive nature experiences could be applied to schools to faster efficacy and agency in a changing climate? This session discusses adolescents' constructive climate change coping patterns following wilderness excursions of 9-45 days.	Abigail Hope Brown, Cornell University	Thursday, October 12	4:15 PM	5:30 PM	Climate change education Middle & high school programs Graduate student research	live (via Zoom)
Landscape Review of Nonformal EE in Illinois: Challenges and Opportunities	A survey of nonformal environmental education providers in Illinois examined the field post-CDVID. Nearly all organizations reported actively seeking new audiences on smaller budgets and 75% requested resources for making EEs more inclusive lillinois. Organization participated in professional development to co-develop a communications toolkito better engage their communifies.	Samantha Lindgren, University of Illinois Urbana-Champaign; Brekke Bounds, Environmental Education Association of Illinois	Thursday, October 12	4:15 PM	5:30 PM	Justice, equity, diversity, inclusion, and accessibility Underserved audiences Leadership and capacity building	live (via Zoom)
Lessons from a National Study of EE Field Trip Programs	We observed 400+ feldtrip programs for adolescent youth and tracked 66 programmatic characteristics and measured student outcomes immediately attended to the adolescent student outcomes immediately attended the adolescent outcomes. We share results and valuable leasons regarding research design, methods, and analyses for researchers wishing to engage in large-scale companitive suits.	Robert B Powell, Clemson University, Marc Stern, Wrighia Tech; Troy Frendey, University of North Carolina at Wilmington	Thursday, October 12	4:15 PM	5:30 PM	Middle & high school programs	live (via Zoom)
		Panel — All times ar	e Eastern Dayligh	t Time			
Journal Editors' Panel: The Changing Landscape of Publishing in EE/ESE	Join this panel session concerning emerging topics in EEESE publication. Editors of six EEESE journals will introduce their publications and share commentary on changes they're seeing commentary on changes they're seeing changing incentives for publishing among diverse academics, open access, etc.). Time will be reserved for comments, questions, and discussion.	Nicole Ardoin, Stanford University, Alberto Arenas, University, Alberto Arenas, University of Arizona, Yash Bhagwanji, Florida Afantic University, Victoria Carr, University of Cincinnasi; Beth A Covilt, University of Montana; Brian A. Day, Journal of Applied Environmental Education S Communication; Alan Reid, Monash University, Emily Foot, Canadian Journal of Environmental Education	Thursday, October 12	4:15 PM	5:30 PM	International EE Justice, equity, diversity, Inclusion, and accessibility Young professionals	live (via Zoom)
	1	Panel — All times ar	e Eastern Dayligh	t Time			
Exploring Climate Change Teaching Strategies: Emergent Trends and Typologies of Practice	This panel explores research on climate change teaching strategies with a focus on: I) emergent brends of seaching practices from a Canadian survey (or-190), 2) a herusife half maps teacher practice based on teacher interviews (m-30), 3) seach reliefs about climate activism within classrooms, and 4) explores strategies for supporting students' climate emotions.	Ellen Field, Faculty of Education, Lakehead University, Sidney Howlett, Lakehead University, Sidney Howlett, Lakehead University, Andrea Drewes, Rider University, Anh Thu Nguyen, Bissett School of Business, Mount Royal University, Paul Berger, Associate Professor, Faculty of Education, Lakehead University	Thursday, October 12	4:15 PM	5:30 PM	Climate change education Elementary school programs Middle & high school programs	live (via Zoom)
		Workshop — All times	are Eastern Dayli	ght Time			
Mapping ee360+ and Justice40	In this workshop, researchers Justin Meyer, Joe Heimilch, and Laura Weiss from COSTs Center for Research and Evaluation will describe the strategy behind using maps and geotocated zip code data to show impact in disadvantaged communities, as well as demonstrate how to create Justice40 maps in CoSTs software.	Justin Reeves Meyer, COSt; Joe E. E. Heimlich, COSt; Laura Weiss, COSI CRE	Thursday, October 12	4:15 PM	5:30 PM	Justice, equity, diversity, inclusion, and accessibility	live (via Zoom)
		Plenary Session — All tim	nes are Eastern Da	ylight Time			
Research Symposium Closing	Reflections from Research Symposium Co-Chairs, Dr. Scott Morrison and Dr. Marijke Hecht	Symposium Co-Chairs: Scott Morrison, Elon University; Marijke Hecht, The Ohio State University	Thursday, October 12	5:45 PM	6:15 PM		live (via Zoom)