# **Public Lands & Every Kid Outdoors**

of Land Management Supports Every Kid Outdoors



**Keynote Speakers** 

Calling all fourth graders! What do you know about America's federal lands and waters? You can find them almost everywhere! From Puerto Rico to Maine and Virginia to the Pacific Islands, some of America's most spectacular

ig each September, if you are a US fourth grader you can d your own voucher to gain unlimited, free access to any federal waters for a year!

Getting a pass is simple! Visit the "Get Your Pass" section of <u>www.everykidoutdoors.gov</u>.complete an online game, and download a personalized voucher to print and use at federal lands and waters



A5 a fourth-grade educator, you can download an activity and print paper passes for each of your students.



PPYLY KID OUTDOORS

48\*\* ANNUAL NAAEE CONFERENCE | LEGINGTON, KY 37





# Visit us at Booth #18 at Bluegrass Ballroom 1

SEPA United States Environmental Protection Agency

ERENCE | LEDINGTON, KY 38

Friday

RY SESSION



# EE 30 Under 30 Young Leaders Making a Difference

Making a Difference<sup>2</sup> The Gibb I evolution of the state of the state



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Angka Primose Abeyrathne, 28, Moratuwa, Sharakama, 20, Kootoba, Agorinito, Kanakama, 20, Kootoba, Agorinito, Kanakama, 20, Kootoba, Agorinito, Kanakama, 20, Kootoba, Kanakama, Kanakama,

assistant general manager of body production engineering for Toyota Motor Manufacturing North America, Inc.; Kevine serves on several boards induc the National Wildlife Habitat Council, Kentucky Frist and Wildlife Faundation, World Wildlife Fund Natio Council, North American Great Plans Advisory Boa He National Environmental Education Foundation served on the Association of Fish & Wildlife Agenci Blex Ribbon Pana on Scretchiert

\*\* ANNUAL NAAEE CONFERENCE | LEXINGTON, KY 39

ntly serves on the board of directors for the ers Market Coalition and provides mentorship erging leaders through the Community Food ms Mentorship Program. She is a mom, loves rel and cook, and currently lives in Cary, North

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**Special Events** 

Wednesday

Opening Reception with Exhibits, Share Fair, and Authors' Corner 5:00 PM-6:30 PM, Bluegrass Ballroom 1, Bluegrass and Thoroughbred Lobbies

Buggrasa and Throughbred Lobbies Welcome Whether this your first NARE conference or your thirty/first I tars here liked new colleagues and greet returning ones as you enjoy substantial hors d'euvres and a cash bar at the opening reception of the conference. Our annual EMNU Faik kick of foring the the opening reception of the conference. Our annual EMNU Faik kick of foring the exhibitors and explore wonderful resources and programs. A variety of nonprofit or ganizations will also share their inspiring efforts at this year's Share Faik, with tableto gislaplays highlighting there work in Kentucky and begond. You can also meet a number of NARE members and other writes in they antors' Corner. They will alian bappy to cusue about writing and publishing in the environmental education field.

CE LEXINGTON, KY 42

# I on the Association of Issit ac minime Ageina libbon Panel on Sustaining America's Divers ind Wildlife Resources, and was given the TC nunity Star Award for volunteering and givin o the community to a very high standard. has a Bacheors of Science degree in nimental Science from Georgetown College Environmental Science from Georgetown College. Nikole Collins-Puri is a social justice visionary, strategist, advocate, and mentor who has commuti-her life to unleashing the potential of untapped communites. She's the CEO of Techbridge Girts, an onoprofit organization that excites, educates, and equips girts from low-income communities throug STEM, empowering them to pursue STEM careers. achieve economic mobility and financial security as

communities, she's the EUG of Lethingte Life 3, equips glif Smith Devictors Communities Through STEM, empowering them to pursue STEM careers and achieve economic mobility and financial security as adults. Nikole is a master collaborator who is able to bibliominogra, and education to pring diverse groups of stakeholders together to urge social change in our ommunities. Breaks and advect and the previous particu-part of the state of the state of the state of the advect of the state of the advect of the state of the state of the advect of the state of the advect of the advect of the state of the advect of the advect of the advect of the state of state of the state of the state of the state of state of the state of the state of state of state of the state of state state of state of st

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Share Fair ۲ Share Pair Bow Sea Cocan Awareness Programs - Cecilia Berg Center for Environmenial Bd and Hefner Museum Of Natural History - City of Eureka Parks and Recreation - Elorida Institute of Technology - The GLOBE Program - Greenville County Soll and Water Conservation District Indiana Dunes International Wolf Center IslandWood

Hanardwood Hational Geographic Society O hio Water Education Program-Project WET Reynolda Gardens, Wale Forest University Southasstern Cave Conservancy, Inc. Stroud Water Research Center Stroud Water Research Center Formation In Stoc Center for Environmental Permation The Wild Center University of Kentucly–Department of Landscap Architecture



"Making the Most of the Conference," a half-hor orientation for anyone new to the NAAEE conference, will be held at 4:45 PM in Thoroughbred 4.

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Prescott College in Prescott Arizon a position he has held since 2014. fore Prescott College, he was president of the tritonal Audubon Society in New York (City for 15 ars. During his tenure at Audubon, he was best own for creating a network of over 40 Audubon thur Center in overweither

Herioge. Prior to leading the Audubon Society, John worked with The Nature Conservancy for over 20 years in various positions around the country, including Midwest Regional Attorney, Great Plans Director, Florida State Director, General Counsel, and Executiv Vice President in the Conservancy's Arlington Virginia Headquarters.

Headquarters. John is a former member of the board of directors of the heim Center for Science, Economics, and the Environment in Washington D.C. and former founding ca-chair of the Blue Sky hunders Forum, a foundation affinity organization dedicated to advancing environmental education. He is currently Chair of the Board of Directors of the George B. Storer Foundation in Jackson, Wyoming.

John grew up on a family dairy farm in Pierz, Minnesota, which his brother still operates. He completed his undergraduate studies at the Univer of Minnesota and received his Juris Doctorate from William Mitchell College of Law.

UAL NAAEE CONFERENCE | LEXINGTON, KY 40

# Tration in Policy Additional Sector S

e distinguished group of keynote speakers for 2019 conference includes a leader who has ped protect more than one million acres of land, ther who test role a wooden bilke on the PLT mada Green Ride for Green Jobs, the recipient of a mmunity Star Award for volunteering and giving k to the community. The founder of the National moto School Network, a seconcident when each

IK. gwith our conference theme—Educating tand Sustainable Future—each of these ng speakers will help us think creatively ing the power of education to meet today's es and create a more sustainable future. e inspired and empowered counciless us, and we hope they will inspire and r you too.





# PLENARY PANEL

Saturday

# Veronica Lin, Rumbidzai Magwiro, Alerick Pacay, Sean Russell Co-Moderated by Taiji Nelson and Danni Washington

EE 30 Under 30: Young Leaders Making a Difference 12:00 PM-2:30 PM, Bluegrass Ballroom 2 To dose the conference on a high note, NAAEE has brought together four inspiring young leaders from our EE 30 Under 30 honorees to share their stories an perspectives on how to develop leadership in the field of environmental education.

of environmental education. Veronica Liu, 52, 16 a PhD schuldter In Learning Sciences & Technology Design at the Stanford Graduate School of discutation. Combining her intracti-in technology with her passion for working with kids. Veronica's research is focused on how we can use technology responsibly, ethically, and in engaging bepole in learning. Co-design, a particule that includes stakeholders in the design process, plays an important rol ein her efforts to connect Computer Science and environmental education. Dire of her current projects on redwood park scientings to strengelme climate change education in an equitable and sustainable way. Bomhdral Maxeemo 26 is a Communic Consensation

change education in an equitable and sustainable way. Ramadad Magwin 25,5 a 2 Control Control Control Ramadad Magwin 25,5 in a Control Control Research Trust (JERT) in Nictoria Falls, Zimbabwe Her role is to work with communities on conservation projects, and relation them learn how to conserve their environment while benefiting from it in a sustainable manner. Working in an area where huma-weldlife conflict is common, the also helps students in rural our protect themeleves when help angle angle alwalfer Growing up, Rumbidial always wanted to have a career st L tabetox ex-CE | LEGI

For Knox The United States Bullion Depository, often known as Fort Knox, is a forfilled value building located adjacent to the Fort Knox Army Post, two hours west of Lexington. It's operated by the Department of the Trasury and currently stores over half of the United State's gald reserves.

er calling by combining these fields with conser-ducation to foster lasting change in the commu Alerick Pacay, 27, is the founder r and CEO of Se ds of the Ocear

as i replicators of change' that can design and lead community-based environmental campaigns. Sean Russell, 27, manages the Earth Erio Water Challenge at Earth Erich of International, algobal citras science program that has engaged over 1.5 million participants from IdS countries, connecting young people around the world to their local waterways through water quality monitoring and equipping them with the tools to protect their water resources. Occan Conservation Surmit, which empowers your with knowledge and resources to launch solutions-oriented occan conservation projects arorss the United States. He has committed this career to designing and leading initiatives to empower young environmental duration and community engigement. Danni Washington Ib the Tiss African American Or PCX and now also available on Amazon Prime. In 2017, Danni was selected as one of the TOP To young ring innovators of XIDIN. Meanazon Prime, ID 2017, Danni was selected as one of the TOP to young ring innovators of the an avain stypices the States of States in the spons phase bases that the Career to disastion for the national target celebration of STAT Amazon Prime. The States of the University of Masmit what adgree in Marine Science & Biology; a sing base bases and was profiled in the University of Masmit with a dgree in Amazon Prime. The sing shows base is a dark of the University of Masmit with a dgree in Amarine Science & Biology; a bia base the conduct of the monorth Big Dan sing shows bases and the University of Masmit with a dgree in Marine Science & Biology; a bia base the conduct of the monorth Big Dan sing bases and specifies and the University of Masmit with a dgree in Marine Science & Biology; a bia base the conduct of the monorth Big Dan sing bases and the conduct of the monorth Big Dan sing bases and the science communicator, digital influencer, and overall lower of the environment and ocean.

Nelson is a naturalist educator with the burgh Parks Conservancy. He is passionate ab ing young people outside to explore and com-nature in cities, and his education philosophy ritizes firsthand experiences in nature and stro r-mentor relationships. Taiji works pri dle and high school students, studying is nign school students, studying urban ns and undertaking heads-on restoration on improve the heads not parks. Orginally Prensylvania, Taiji's experiences have d the importance of community when and have motivated him to design program ge students, parents, teachers, and mentor eaningful relationships with other nature-tople. nighlighted to rearning, and that engage s to form mear minded peor



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LOCAL CULTURE

Thursday

Mona Chalabi

Data Editor, The Guardian 11:30 AM-12:30 PM, Blue Ballroom 2

really loves numbers. She is the Data Editor of *The Guardian* where writes articles, produces documentaries, and rates, as well as animates, data. She is also a data nalist for *NPR*.

Mona Chalabi is a journalist who really loves numbers. She is the

Merick Pacey, 27, is the founder and CEO of Semilias eld Océano (SDO), meaning "Seeds of the Ocean, " assed in Guatemala. Born in a small village in northern subaremails are the semilarity of the semilarity of the Herick grew up with a fascination for marine life through popular movies and documentaries. Since Guanding SDO. Alerick has led a wide range of the optimum subarematic semilarity of the ocean and exchanges stores where subuents can exchange recyclusite materials for food, and training teachers as replactors of hange that can design and lead community-based environmental campaigns.







Jean Ritchie The dukimer entered the urban music revival scene largely due



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fon and accessible." Mona also helped create the firmy-nominated four-part visio series 'Vagina Dispatcher' which explores the physical. social. and sometimes political elynamics that surround women's bodies. She also hosts Vice's TV program 'The Business of Life." a new kind of the physical social and sometimes and work of behind some of the most important issues of our time Mona has a master's degree in International Society from the Paris Institute of Political Studies and has worked for *iArVirryrgift*, the Bask of England, the *Economis Intelligence Unit*, and the International Origenzation for fing auton. Mona lives in New York City. The only thing you need to know about her personal life is that she loves Peter Falk.

Wednesday Conference Opening Ceremony

A Morning Welcome from the Kentucky Native American Heritage Commission's Helen Danser 7:45 AM-8:15 AM Regency Ballroom 2

NAAEE is gathe year on the and lands of the Shi

y Indigenous today. In implementation of the

one with a lively rap by local artist, to read writer free root Claboro (1646 Farmer N, who creatively engages young people and Board Chair Charlotte Clark will Aarte and Board Chair Charlotte Clark will Aarte Merecon and State (1647 State) to the state of the state of the state periodic of the state of the state the state of the state of the state the address, lphin is all lifeing conservations to address, lphin is all lifeing conservations is of hauter, And Presson, he works to the the Therson of the works to the the therson of the state students and the state student and the state students and and the state student and the state students and the state stu

The opening reception and opening ceremony are included with full conference registration with RSVP in advance. Additional tickets can be purchased as space allows; check for details at the registration desk.

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# Exhibit Fair Luncheon, Poster Sessions, and Affiliate Welcome 12:45 PM-2:15 PM, Bluegrass Ballroom 1, Bluegrass and Thoroughbred Lobbies

The Exhibit Fair will be open from Wednesday evening through Friday afternoon for you to explore innovative programs, dynamic practices, and effective products. And you can help us celebrate by joining us for this great buffet luncheon.

Joining to so that great concertaincheon. During this special event, you can chat with exhibitors eager to connect you with the latest and greatest in environmental education products and services. In addition, many of our colleagues will be in the Bluegrass and Thoroughbred Lobbies to share their poster presentations and discuss their work.

their poster presentations and discuss their work, The NAREE #fillers will also be on hand to welcome you and share information about the many services they offer to their members on the state and provincial levels. Learn how the Affiliates are helping to develop state environmental learning plans. find out which states have environmental educator certification programs, and check out other professional development opportunities in your area.

professional development opportunities in your area. The luncheonis also a gract time to bid on fabulous finds in the silent auction or drop a couple of tickets into a raffe litem bucket. Take advantage of this opportunity for networking and enjoying a good meal–tic linkeded with your Thursday of full conference registration with an RSVP in advance. Additional tickets can be purchased as space allows; check for details at the registration desk. Exhibitors are listed on page 15.5.

# HHMI Movie Night: Our Gorongosa 5:30 PM-7:00 PM, Bluegrass Ballroom 2



Saturday

oin HHMI Tangled Bank Studios for Movie N featuring *Our Gorongoso: A Park for the Peop* The film explores a new vision for conservat n Mozambique that benefits both the anim. The national park and the people living arou especially girls and women.

EE 30 Under 30: Young Leaders Making a Difference

Veronica Lin, Rumbidzai Magwiro, Alerick Pacay, Sean Russell. Co-Moderated by Taiji Nelson and Danni Washington 12:00 PM-2:30 PM, Bluegrass Ballroom

Bourbon & Brew

The film follows Dominique Gonçalves, a vibrar Mozambican ecologist who runs the Gorongos-elephant ecology project, as she shares the my ways Gorongosa is redefining the Identity and purpose of an African national park. From her own work mügating human-lephant conflict, to community dubs and school programs that empower gifts to avoid teen marriage and pregnary; to health clinics and nutrition train during the school and the model and the school and the school and the school and the school and viewers on an emotional and eye that will transform their underst national park can be. Enjoy refre film. This event is free and open



7:00 PM-10:00 PM, Meet at the Registration Desk



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Friday night's ga**l**a

Thursday









Don your Derby hat, fascinator, or bow tie for Bourbon and Blues, our last night together and a celebration of Lexington as the Horse Capital of the World.

The Tee Dee Young Band, a famous blues band from Lexington that has won several national blues trom Lexingtion that has won several national blues band recognitions, will provide entertainment, While playing his own unique style of the blues, the Dee's dynamic stage presence, exciting harmony, and energy will put you in the mood for dancing! So wear your dancing shees because it's going to be a party... Kentucky style!



William B. Stapp Scholarship Auction

as much cash as they can. Come see what fate on your berby hat, fascinator, or bow tie for ourbon and Blues, our last night togeta laberation of Lexington as the Horse Capital berby Mod. The Seleven and the set of the selection of the selection of the selection berby. Better to post your final bid and snatch up a great variety of arts and crafts, source to atten with the selection berby. Better ing to be a party. Kentucky style! If you photo takes from Walling Taking story books, decorter your Omer by the or anound the variety of and the selection of the selection of the story the ones, the selection of the selection of the story the ones, the selection of the selection of the story the selection of the selection of the selection of the story the selection of the selection of the selection of the story the ones, decorter your one betwy the transmit and the conference. The selection of the selection of the story the selection of the selection of the selection of the story the ones, decorter your one betwy the to another the selection of the selection of the selection of the story the ones, decorter your one betwy the true in the evening.



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changemakers in EE. Each year, ES 20 Under 30 shines a spotlight on the work of young professionals representing a wide range of backgrounds and disciplines, which are using EE to spark change in their communities and on the global stage to forge a sustainable future. The program is made possible by the Global Environmental Education Partnership, Wells Fargo, and the US Forest Service.

The Awards Luncheon is included with Saturday or full conference registration with RSVP in advance. Additional tickets can be purchased as space allows check for details at the registration desk.



Please join us in extending warmest congratulations to the 2019 NAAEE award recipients, individuals, and organizations demonstrating exemplary leadership in our field.

demonstrating exemplary leadership in our field. Weak of the sevent ceremony includes presentation of the Watter E, Jeske bestows: The award over a setablished bestows: The award over a setablished bestows: The award Who will it be? Tradition calls for each year's recipient to present the award in the followi year and the keep the honoree secret until unveiling at the Saturday awards luncheon.





Art and Nature 5:30 PM-7:30 PM, Lexington Public Library Art and Nature Saight M-23 (9) HL schington Public Library Saight M-23 (9) HL schington Public Library Drop by the *Point* by *Nature*: Streetisde exhibit, a clebritation of the beauly and benefits of using Kentucky native plants, featuring local artists, While you're there, design politator-finedhy possibilities for your own yard using the Paint by Nature Interactive game. Light snacks will be provided. Free, No registration required



Exemptions governantosynautic Horse Farm Tours—Discounts for NAAEE Interested in touring a Derby farm during an organization of horse farms, equine medical clínics, and equine attractions dedicated to sharing the stories of Kentudy's Horse County, Go to visitionsecounty.com to book a tour and use the promo code NAAEEI for a 2006 viscount. HORSE 

# KNOW YOUR PLACE LOVE YOUR PLACE





What can we do to save our planet?





"Read this book. Saving Planet Earth starts right here, right now." - Stella McCartney



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۲ 2019 NAAEE Annual Award Recipients NAAEE Awards Luncheon & Closing Panel



# NAAEE Annual Auction Three fun ways to win treasures in all price ranges!



PRINTS BY WORLD-RENOWINED PHOTOGRAPHER GERRY ELLIS

Silent Auction Wednesday evening through Friday New this year: easy online bidding from anywhere on the premises. Create your account at 32auctions.com/ NA&EAuction.2019. Get alerts when you're outbid to make sure yours is the final entry Voluments at the auction tables in the Bhegrass Lobby can help you bid on your smart phone or VAAES subby.

Most items will be up for auction until the Friday night gala, but special sections will close each day, so check back often.

# Bucket Raffle

Bucket Raffle Wednesday through Friday Buy your's 1 bucket raffle tickets (15 for \$10, 50 for \$20) from the volunters at the auction tables. Drop your ticket into the bucket for items ranging from books and T-shirts to free registration for NAAEES 2020 conference and \$500 gift cards. Winning tickets will be drawn or the galo on Friday.

# At Leisune in Lexington

Get started early or close out your day with these special Lexington opportunities Morning Yoga: From Awareness to Action 730 MA-815 AM Aatterson Billroom E-G Wake to the new day with awareness of breath, movement, and alignment. Through this great practice, reconnect with your body and mind's ability to move intentionally throughout the actions of the day. Thoraday lenny Noward Owen Is a certified and registered yoga teacher; Yoga Alliance. Thursday–Saturday

# Monday

# Monday 9:00 AM

# Global Environmental Education Partnership (GEEP) Meeting 9:00 AM–5:00 PM, Thoroughbred 1

# Monday 2:00 PM

EE Research Field Session Working For/Towards Justice and Sustainability in EE Research 2:00 PM-5:00 PM. Meet at the Old Fayette County Courthouse, 215 W. Main Street

Courthouse, 215 W. Main Street [Im Ethroy Lieukigton resident, ex806 Community Fellow, and founder of the Sustainable Communities Network] and Olivia Aguilar (Associate Professor of Environmental Studies at Denison University) will guide participants through a walk of downtown Lexington visiting gardens and cultural heritage sites attending to issues of juscice and sustainability. Local practitioners and researchers will join us along the way to encourage thoughtful dialogue around and assistainability. The workshop will culminate in a facilitated discussion that asks participants to identify the multiple ways and contexts in which we can attend to issues of Juscice and sustainability in EE research. (Pre-registration required.)

# Monday 7:00 PM

Research Networking Dinne 7:00 PM-9:00 PM, Meet at Zim's Café, 215 W. Main Street, Suite 25

215 W. Main Street, Suite 25 Join in on a casual evening of food, fun, and conversation focused on EE research at Zim's Café, a local favorite with a menu inspired by the bounty from Kentucky farms. Diners will include the Research Symposium Co-Chairs, featured panelists, and many other colleagues, friends, and mentors. (Pre-registration required.)

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Pere College: Committed to justice and invironmental Stewardship 330 AM-330 PM, Bree College, Bree and Bree College, the South's first interracial and exclusional college, the south's first interracial and couldings, the south of the sout

for all students. Transportation and lunch included Buegrass Advenue: Hike Padla and Esplore the Kentucky Biver Palicades 8:30 AM-4:30 PM, Reven Run Nature Sanctuary, Lexington Join Lexington Parks and Recreation Natural Areas staff for an ail-day Kentucky padde and hike concerning the based Hike Intervent Palicades and then enjoy a guided hike through the Raven Run Nature Sanctuary, a single, Tai-sport site located just outside of Lexington, Transportation. Concernetal, and Mun Included.

Ja-Adre site located just outside of Leongton. Transportation: concerrental, and lunch included. Sustainable Lexington: Arboretum to Aquaponics 830 AM-130 My State Bostnical Garden of Renucky and Pood Chain, Lexington Participants will with the Children's Garden and 100-arre green space on the University of Komucky compus. Then, a HoodChain, a noorpfit dedicated to sustainable food systems; the group will four the commercial-state indoor aquapoint on fulded; Ilunch purchased indoor aquapoint simu, which provides on your own. All field trips depart from the High Street Rotunda, Lexington Convention Center, Please arrive 15 minutes early for an on-time departure.

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NCF-ENVIROTHON

) high school students across the United States, Canada and China embark on ach year to offer solutions to this critical question through the NCF-Envirothon.

The NCF-Envirothon is a **hands-on environmental and** natural resource problem-solving competition that builds leadership skills.

The program consists of in-class curriculum with **applied** outdoor field experiences, where students can learn

natural resource management techniques from natural resource professionals.

State and provincial competition winners advance on to the annual NCF-Envirothon international competition for **prizes and scholarships**.

How do we balance quality of life

and the quality of the environment?

# 💓 naaee Tuesday

# Tuesday 9:00 AM Research Symposium 9:00 AM-4:30 PM

NAAEES Annual Research Symposium brings together new and experienced researchers from around the globe to explore the current state and future affections of environmental education to be effective. The symposium fosters dalogue and collaboration among members of the EE research field, including researchers, policymakers, and practitioners all istages of their careers. Participants can also meet with colleagues and memors to discuss pullahing and career advice, and sues and concerns in the world of research. The 2019 symposium addresses the overall conference theme. *Educing for a just and samoline future*, and essains are organized around two areas of discussion:

EE Reserch Processes: Sessions in this track will share knowledge and new directions in research processes, to build our capacity and expertise as a research field.

2) EE Research Impacts: These sessions facilitate collaborative conversations on, and contributions to, increasing impacts of our research field in relation to EE policy and practice, locally, nationally, and globally.

# (Separate registration fee required.) Chair: Marcia McKenzie, University of Saskatchewan Co-Chair: Olivia Aguilar, Dennison University

Affiliate Steering Committee Training 9:00 AM-5:00 PM, Scott-Woodford

# TUESDAY & WEDNESDAY

# Tuesday

Tuesday 1:00 PM ee360 Community EE Fellows Leadership

Workshop 1:00 PM–5:00 PM, Kentucky

# Tuesday 4:30 PM

Research Symposium Reception 4:30 PM-6:00 PM, Patterson Ballroom For Research Symposium participants only. Кеу

# Building Leadership for Environmental Literacy Connecting with Nature

- Connecting with Nature
   Conservation and Environmental Education
   Educating for Sustainable Communities
   Green Schools and Preparing for
   21<sup>10</sup> Century Careers
   Unking Research and Practice to
   Increase Impact
   Control Control Control Control

- Equity and Inclusion
   Young Professionals
- A NAAEE Affiliate Network ee360







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Wednesday 5:00 PM

See page 45 for more information.

Wednesday 6:30 PM

Opening Reception with Exhibit Fair, Share Fair, and Authors' Corner 5:00 PM–6:30 PM, Bluegrass Lobby

5:00 PM-6:30 PM, Bluegrass Lobby Welcome! Whether this is your first NAAEE conference or your thirty-first, Istans here! Meet new colleagues and greet returning ones as you enjoy subdraftan hero drowness and a cash bar at Exhibit Tais Kicks off during the reception—your first apportunity to char with whithors and explore wonderful resources and programs. A variety of nonprofit organizations will also share their inspiring efforts at this year's Share Fair, with tabletop displays highlighting there work in kentucky and beyond. And you can meet a number of NAAEE members and other writers in the Authors Corner. They will be happy to discuss sign, and sell their newest would will the Gaussian Center will be there to greet you, too

Wednesday

Full Day Workshops 8:30 AM-4:30 PM

Wednesday 8:30 AM

Workshops Note: Workshops require an additional registrati fee. Onsite registration will be accepted as space allows; check ant the registration desk. There are full day, morning, and afternoon options. Lunch included with full day workshops.

resenting). And an ayon, exwattes Consuming: Sanah Bodor, NAREE Higher Education Accreditation: A Map for Success 8:30 AM-4:30 PM, Ekhorn A This workshop provides critical information for This workshop provides critical information for through NARE's Distinguished College and University Program. In indusis in-depth review of standards, strategies for incorporating them into curriculum, sample assessments, and models from faculty members who have completed applications. Bring your laptops and documents to begin the process. Presenterits: Rebecca L; Franker, University of Environmental Education Cound: Stewart Janes, Southern Oregon University: Doctomes Shuman, Montraet College, Melinda Wilder, Eastern Kentucky University; Path Gorn, Hamilee University School of Education Q

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Train-the-Trainer Workshop: NAAE's Community Engagement Guidelines for Excellence 8:30 AM-4:30 PM, Heritage Ballroom 3 As environmental educators we work in and with communities anging from workplace teams to neighborhood or regional partnerships. Partolepants ANAE's Community Graggement: Guidenies for Excellence and develop preliminary plans to provide Guidelines trainings in their respective regions and professional communities. Presenter(s): Libby Miccan, Anticol University New Presenter(s): Libby Miccan, Anticol University New Presenter(s): Libby Miccan, Excellence in Environmental Education Q New England: Lucians Stanelli. Teton Science Schools; Ane Umail, NAAE's Bora Simmon, National Project for Excellence in Environmental Education Q

# Morning Workshops 8:30 AM-12:00 PM

8:30 AM-12:00 PM Building Inclusion b £xptoring White Fragility and Emotional Intelligence 8:30 AM-12:00 PK. Reserves Pallarioom 1 "White fragility" coined by Stopm Dilangelo, decribes confronted by information about cace. Defensive behaviors get triggered. Including emotions like an essential practice in developing capacity to understand and manage these emotions in the Presenter(s): Trad Price, Center for Diversity to the Environment Q → Q

the Environment O III Designing for Change: Connecting Environmental Education Research and Practice 833 AM-1200 PM, Regency Ballroom 2. Ever wondered what research suggests about the role of place in totering environmental learning community identity? Join us to explore strategies for interfaint greater element flags your programs using collaborative design-thinking activities. A train-the-trainer element flags you coach others to Presenters): Mele E.M. Whaton, Stanford University Stephanle Eafanchill, Stanford University, Emily Williams, Stanford University O

We all need

WILD

Facilitating Professional Learning Using FieldScope and Citizen Science Data 830 AM-12:00 MR.egency Ballicoman Cas Explore free BSCS Science Learning resources phatfreen for driven minerod varial collections ar analysis. Well model short structured inquines large citizen science datasets and provide matt so you can facilitate professional learning for colleagues. Bring Jappon J You SCS Science Learnin Arrey Mohan, BaCS Science Learning andry Mohan, BaCS Science Learning Audry Mohan, BSC Science Learning: Where Cirk Experience and Environmental Education Connect 38:30 AM-120:00 PM, Heritage Ballorom 1 Join Earth Force in an introductory workshop exploring the importance of Cirks I environmental exploring the importance of Cirks I environmental equilibrium projects that incorporate democratic decision-making and local palcy analysis. You'll receive resources and tools to tart your journey a find where to find out more. Presenters): Grace Scansala, Earth Force; Justin Zakrens, Earth Force O



TO OUR AMAZING VOLUNTEERS 🕑 naaee

Cultivate healthier people, pusinesses and communities with

**UW-STEVENS POINT** 

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Wednesday 1:00 PM

# fternoon Workshops :00 PM-4:30 PM

I 100 PM-et-30 PM Backyard Wilkerness Bioblitz 1100 PM-430 PM, Heritage Balroom 1 Interestein gesturg your members outdoors in the name of otten science and education? Join the Backyard Wilkerness team from HHM Tangled Bank Studios for this hands-on workshop on how to easily set up and run your very own community bioblitz with the help of Intarcalist. This workshop postored by HHM Tangled Bank Studios Ak Soudios Alex Dudkes, HHM Tangled Bank Studios

Studios Zkeb Dučkes, HHMI Tangko Bank Studios Behváric Charge Fostsring Action for Sustainability 100 PM-439 PM. Heritage Ballorom 2 Raising awareness is a crucial part of fostering sustainable behvárich "Bankor Change, During science and techniques to take your audiences behváric change innicipies kon creade a glossy workbook, leaving prepared and excited to put nevel ideas into action. Presentericji: Lauren Watkins, Inpact by Design. Inc.

Presenter(s): Lauren Watkins, Impact by Design, Inc. Introducing the Newly Revised K-12 Environmental Education: Guidelines for Excellence 100 PM-430 PM. Regency Balroom 2. Dig into NAAEE's newly revised K-12 Environmental Education: Guidelines for Excellence part of the Guidelines for Excellence series. Through a series of hands-on exercises, you'll become formaliaw with the environmental literacy Tamework and how you can use it for program improvement. These guidelines set expectations for learner performance and achievement in grades 4, 8, and 12. Presenter(s): Bora Simmons, National Project for Excellence in Environmental Education Q



Skill Building for Equity and Indusion in the Conservation Field 100 PM-4320 MR Regncy Ballroom 1 This workshop builds the story of transformation wovement. Meeting people in their current reality, we build stills in inclusive communication techniques, approaching identities, addressing misconceptions, and tools for effective dialogue. Presentation concludes with two hands-on activit appl content to real-life studions. Presented: Thing Carey, National Wildlife Gestratori, perinder Dowd, National Wildlife

, and more.

deration; Jer deration 🗇 Wednesday 4:45 PM

Columbia Gas Proud to Support the 48th Annual NAAEE

A REAL AND A REAL

Decking of the Lesson e Morning Yoge: From Awareness to Action 7:30 AM-8:15 AM, Patterson E-G Wake to the new day with awareness of breath, movement, and alignment. Through this gende practice, reconnect with your body and mind's ability to move intentionally throughout the actions of the day. Instruct of pumy Howard Owen is a certified and registered yoga teacher.

A Morning Welcome from the Kentucky Native American Heritage Commission 7:45 AM–8:15 AM, Regency Ballroom 2

7:45 AM-8:15 AM, Regency Ballroom 2 NAAEI is gathering this year on the ancestral lands of the Shames, Joinny as Lody for a kery sired of the Shames, Joinny as Lody for a kery sired Native American Heritage Cormission, Helen has been involved in Native American Indian events in Kentucky since 1998. She is an enrolled and voting member of the Finqua Shawes Trible of Alabama. People at numerous presentations in schools, churches, and organizations, and has served with the Circle of Wisdom Unity Conference and the Kentucky indigenous People. She has rargin and the Governory Interstate Indian counts in schools, churches, and organizations, and how in the schools of national Congress of the American Indian and the Governory Interstate Indian Council. She will share thoughts on the original people of Kentucky, current tribes, protection of historical sites in mandale and implementation.

Thursday

Thursday 7:30 AM

Lexington at Leisure

IUAL NAAEE CONFERENCE | LEXINGTON, KY 5

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# Thursday 8:30 AM Meeting 8:30 AM-10:00 AM

Environmental Education Research Editors' Meeting 8:30 AM-10:00 AM, Mary Todd Lincoln By Invitation. Coordinator: Alan Reid, Monash University

# Young Professionals Clinic 8:30 AM-9:10 AM

u...v AMM-9:1U AM Whether you're a student, just getting started on your career path, or in your first professional position, this dinie will help build essential skills that will help you own and in the future. Choose from educators. See page 32 for more information. Track 1:15:

ducators: See page 22 for more information. Track 1: Sustaining an Effective Job Search 8:30 AM-9:10 AM, Patterson B Too often, a job nut involves hours of sitting and the second second second second second second This secsion will help you device a more effective process, starting with strong application documents and culminating with strategies to better leverage your time, Islancia, and Konolideg In escinetry, promising opportunities, in es

University Track 2: Fundraising Essentials: Message, Momentum, and Mindset Bis204M-9:10 AM, Patterson C Like it or not, every nonprofit employee is also a fundraiser and must build the relationships that nonble their organizations to thrive. In this sessio you'll learn how to craft fundraising messages and winning proposade, using the casting the domo you'll earn how the energy, and rapport that molecular the sentence of the energy of the sentence of the owner offs in how of energy. make gifts happen. Presenter(s): Lea Harvey, LLH Strategy Advisors, LLC; Krishna Roy, Consultant

# Advisors, LLC Strand: • 77



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# Symposium 8:30 AM-10:00 AM

8:30 AM-1000 AM Early Childhood Gardening: Nature-Based Learning to Inspire NextGen Conservationists 8:30 AM-1000 AM, Kentucky Early Childhood gardening is a powerful vehide for cost-effective, nature-based learning in underserved and vulnerable communities. Garden-based, health-promoting (people and planet) education advances social equity, offers inclusive learning across the corriculum; and dynamic engagement with the oracid units and dynamic engagement with the presenters?: Dildrare. R. Williams, Portland State University; Sheila Williams Ridge, University of Minestota Lab School Moderator. Robin Moore, NC State University Strand: •

Moderator: Re Strand: 🗕 🛟

# Hands-On Presentations 8:30 AM-10:00 AM

8:30 AM-10:00 AM Application of Lounc-6x5 smoors for Ar Qualty Education Biol Adm-10:00 AM, Regency Ballroom 1 Emerging air quality sensor technology is creating new divuctional objerruities. Somon Technology Inc. developed the Vids Making Senselli curriculum authematics education with handb-on projects and low-cost sensors to teach sudents about air change in their communities. Prosenter(s) Hindy Manz, Sotoma Technology, Inc.2, Melissa Dum, Sonoma Technology. Marca Strand. Strand:

# Strand: Become a National Geographic Certified Educator 8:30 AM-1000 AM, Hertinge Ballmonn 2 Become a National Geographic Certified Educator to find out how to transform students into explorers! This is a free professional development program that supports educators to teach students about the world and empower them to protect it. Phase 1 completed in this workshop, with Phases 2 and 3 available online. Presenter(J): Rachael Rost, Topeka Zoo and Conservation Center Mary Forch, National

Geographi

Conference Opening 6:30 PM-8:30 PM, Bluegrass Ballroom 2 6:30 PM-8:30 PM, Bluegrass Ballroom 2 mendate/piologing the reception, well officially get started, kicking off with a lively rap by local tartic decutator, and writer Trever Callion (rule & armer Brown), who creatively engages young people in urban agniculture. Executive Directly only Braus and Bioard Chair Charlotte Clark will share opening that an optaker on which new at NASE. Then, our featured speaker, john Ficker, president of Presout Clarge, former CEG of the National Auditons Societ and Groupe Starter View President of The Nature Legoridue address. John is a kindlong conservationst, legoridue address. John is a kindlong conservationst, discutation support, working to create a more just and sustainable future.

See pages 40 and 46 for more information

Key

Conservation and Environmental Education

Educating for Sustainable Communities Green Schools and Preparing for 21<sup>51</sup> Century Careers Linking Research and Practice to Increase Impact

Connecting with Nature

Equity and Inclusion

Young Professionals NAAEE Affiliate Network

**KENTUCKY ENVIRONMENTAL** 

**EDUCATION COUNCIL** 

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ee360

Building Leadership for Environmental Literacy

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**Eco-Schools USA** 

EMPOWERING STUDENTS FOR A SUSTAINABLE TOMORROW

www.eco-schools.org

Howard Mew to Assess Connection to Nature 8:30 AM-1000 AM, Thoroughbred 4 Do you think your programs help learners become connected to nature? If you want to measure the type of connection you influence, come to this session. We'll use a new guide designed to help people like you! Participants will get a copy. Presenter(s): Martha C. Monroe, University of Rorida, Gabby Salaza, University of Florida, Kristen Kunde, NAAEE Nacel Arction. Starford University Cashy Jordan, Children & Nature Network, Anna Lee, Strant: ¶

Suterit: 
Elentifying and Correcting Common Outdoor
Teaching Mistakes
8:30 AM-1000 AM, Heritage Ballroom 1
This workshop will use a training video to identify
over 35 common outdoor teaching missakes. at
discussed, Kowing these mistakes and their
solutions can be helpful for both formal and
nonformal environmental educators.
Presenter(s): Brad Daniel, 2nd Nature TREC (Training,
Research, Bducaton, Consulting)
Strand: 
Construction and Missace

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Strant: © Strant: © Strant: Provide The Statistical Communities in a Changing Environment. 8:20 AM-10:00 AM, Regency Ballroom 3 How can environmental educators build bridges between schools and trait and endigenous and adapt to environmental change? Learn about training and supporting teachers to build community problem soling with a tookit on AdaptAlaska.org Presenter(s): Elizabeth Trowhordinge. Center for Strand; © Strand; Strand

Alaskan Coas Strand: • 💠

ENCE LEAINGTON, KY 64

# Thursday 9:20 AM

# Young Professionals Clinic 9:20 AM-10:00 AM

2:20 AM-10:00 AM Whether you're a student, just getting started position, this clinic will help build essential skills that will help you now and in the future. Choose from sessions in two tracks: job seekers and early career educators. See page 32 for more information. Track 1: Need to Know Networking 5:20 AM-1000 AM, Patterson B This session covers the four "Need to Know throughout one entire likes with our careers and personally. This session will help overcome the jitters that often go with the thought of networking, as well as how to make the absolute most of every networking apone-how with networking phone-how With networking phone-how Personse

# Strand:

Strand: ● O any A Micoto Uniter 34) Yeek engand Strand: ● O any A Micoto Uniter 34) Yeek engand Affiliates Bringing Back the BEETLES 920 AM-1000 AM, Hyatt Suites Are you looking to provide more high quality deutators through your Affiliant BEETLES Professional Learning resources are designed to help leaders of outdoor science programs inspire Instructional shifts and a learning community culture among their staff. Learning BEETLES resources to your state! Hyerentrefs: Luan Donney Ansas Association Freientrefs: Luan Donney Ansas Association Ashley Hoffman, Kenucky Association for Environmental Education, Kalon Aniv, Colorado Alliance for Environmental Education, Elsen Everett. Environmental Education Association of New Mexico Strand: ④ ① Strand: © 1 Track 2: Transformational Leadership 9:20 AM-1000 AM, Patterson C Using a transformational leadership model, we will explore how we want to show up as rising leaders up to the transformational leadership model, we will reclarate activities will experiment with hoofs that guide the cultivation of an abundance mindset floatilatest activities authentic leadership. Presenterly: Ellen Everett, Environmental Education Association Association; Mains Environmental Education Association; School ool end; • 12

# LOCAL CULTURE

Traditional Presentations 10:30 AM-11:10 AM

A Leg Up for Young Scholars 10:30 AM-11:10 AM, Elkhorn A

Forest Servic Strand:

10:30 AM-11:10 AM, Ekhorn A Come listen to young professionals talk about their work! NAXE and the US forest Service share a goal of increasing diversity within the field or withormertal deducation. We support scholarships for young service the state of the state of the networking with professionals from diverse outures and communities.

Strant-⊕ ☐ Applying the Meaningful Watershed Education Experience Approach in Support of Community Resilence 1030 AM-1110 AM, Berea Communities across the country are dealing with environmental issues and hazards due to extreme weather events, the impacts the critical change, as well as other social and environmental individuals and community resilience as they deal with these challenges. Presenters): Bart Merrick, NOAA: Elise Trelegan, NOA Strant-● Evanation with the ILE Extrent Extended Yauth

Strand: ● Engagement Programs 1030 AM-11:10 AM. Thoroughbed 3 Discover the forest and all that comes with the US Forest Service youth engagement efforts arross the county. Partdynatis will learn about the strategy color and differents socies concomic communities, and provide time to learning part of communities, and provide time to identify partner opportunities with the Forest Service. Barbara McGuinness, USDA Forest Service; Barbara McGuinness, USDA Forest Service; Strand: ● ◆

nunities. (s): Drew Price, NAAEE; Heidi McAllister, US

Lexington we founded by European settlers Lexington we founded by European settlers and william Mechanism and a provide out format explorers were camped at a natural spring when word came from early fort Booesborough that the first battle of the American Revolution had been fought in Lexington, Massechusetts. In honor of the battle the group named their site \* Lexington.

Strant: ● Q 0 Building Bridges with Communities: Alliance for Watershed Education Fellowship Program 920 AM-1000 AM, Thoroughbred 3 Fellows strev as a bridge between the environmental education centers and their surrounding communities in the Dalaware River watershed, connecting canters connecting participants to narure: This case study investigates the Fellowship program at five of the Alliance for Watershed Education centers. Presentersb, Bachal Rede Aslam, Two That Society; Dakin Heveket Delaware Nature Center Stand: e Chad Schwa Strand: • 🔤

Flexing the Guidelines Trainer Bureau Model: A Pilot

A Plot 10:30 AM-11:10 AM, Hyart Suites Many EE programs like PLT and WILD have state coordinators. What would that model look like if we applied it to the *Guidelmes for Excellence*? This session will share how four states have been working together with ea300 funding to develop state hubs for dissemination and training *Guidelines* Bureau

for dissemination and training Guidelines Bureau members. Presenterls: Renee Strnad, North Carolina State University: Lauren Pyle. Environmental Educators of North Carolina; Ashley Hoffman, Kentucky Bacosciation for Environmental Educators, Kaite Navin, Baco Simmons, National Project for Excellence in Environmental Education Strand. ♥ Q @

Strand: © 109 Living Building Challenge: The Highest Standard of Sustainability 1033 AM-1110 AM, Regency Ballroom 3 The Living Building Challenge is a more sustainable pathway for how we construct and live in buildings, a philosophy doaked in a certification. Wolf Köge Environmental Learning Center's MCL Cloge was the Schmidther Smcrud, Wolf Köge Environmental Learning Center's Michael Strand:

Not Your Mama's EE: Project WILD Next Generation and NGSS

Not Your Mama's EE: Project WLD. Noxt Generatio and MSS 10:30 AM-110 AM. Heritage Ballroom 1 (bin is to particular in a classic "freeze sale on is to particular in a classic "freeze sale new STEM. Outdoor, and career extensions in the Project WLD guids. Learn how one organization has wowen WLD into their EE Units of Study, developed to help educations better meet the Next Generation of the particular better meet the Next Generation Presenterity. Marc Leitelve, Association of Fish Wildfiel Agencies/Project WLD. Dirtory Way, Kentucky Association for Fishronmental Education Wildfiel Agencies/Project WLD. Brutes Wildfiel Agencies/Project WLD. Brutes

# Traditional Presentations 8:30 AM-9:10 AM 8:30 AM-9:10 AM Incarcerated Youth 8:30 AM-910 AM. Elkhorn A An innovative program in Washington State is providing watersheet deuxclon to incarcerated youth. These traditionally underserved students are particularly rewarding and ImpactII to include in existing programming. This presentation will highlight will ymere environmental educators should consider involving this special population in their programs.

ring and a species provide the species programs. Presenter(s): Rachel Stendahl, Educational Service

Stranti: 
Making Your Affliate Flourish: Fundralising and Sponsorships 830 AM-310 AM, Hyatt Suites Having diversified funding helps to make your Affliate more reasonic, join three synites next of raise funding from diverse sources for your Affliate. Presenter(S): Laura Downey, Knass Association for Conservation and Environmental Education: Ashley Hoffman, Kenura Downey, Knass Association for Education: Ashley Education: Stanting Stanting Stanting Stanting Stanting Education: Stanting Stanting Stanting Stanting Environmental Education: Environmental Education:

Strant: ◆ Q and Masonville Cover. Creating Community Connections Through Partnerships, Engagement, and Education 8:30 AM-910 AM. Thoroughbred 2: Nonrational partners worked with a diverse nations first Uthen Widdlife Refuge Partnership. Now environmental education programs at Masonville Cover support Balliumor Geren Schols, provide equilable access to nature, and engage the next generation of community and environmental leaders. PresenterCite Xterning Jones. Maryland Port

i leaders. atrina Jones, Maryland Port 1; Curtis Bennett, National Aquarium

THURSDAY

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District 113 Strand: • 🗘

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Administration Strand: • •

Traditional Presentations 9:20 AM-10:00 AM

9:20 AM-10:00 AM A Conversation on Higher Education Accreditation 9:20 AM-1000 AM, Thorougherd 5 Come and meet faculty representing programs that have earned NAAM, Thorougherd 5 Programs and network with other faculty interested in environmental education program development Presenter(5) Corothea Shuman, Montreat College, Party Born, Hamlen University School of Education Melinda Wilder, Eastern Kenucky University, Rebecca Franzen, University Of Wiscomis-Tevens Point, Wisconia Center for Environmental Education, Strant Jens, Southern Oregon University New England Strant @

Preparing Professionals for Equitable, Indusive, and Cutrurally Responsive Leadership 830 AM-910 AM, Elkhorn B The Urban Environmental Education MAEd immerses students deeply within urban communities for 390-weeks of participatory action research through their practicum, Highlighting three graduate projects that attend to the intersection of social justice and will understand the columitaly response research that works to decolonize solution building. Presenters1: Cynhin Thomashow, Anodch University Seattle: Sue Byers, IslandWood [Antioch University Strand: • Q ittle; Sue B and: • 💠

Strant: © Sparking Eco-Awareness with Water Quality Among Urban fifth Grader: 823 AM-910 KM, Berea Through partnerships of John P. Parker School (Cincinnat) with the National Park Foundation, and the Foundation for Ohio Kiver Education, fifth-grade students participated in a yearlong study of water quality. Explore the strategies used to promote eco-awareness from school staff, partnering agencies, and the students themeselves. Bille Schools Pamela Krox, John P. Parker School Scott Wingste, Wave Foundation Strand: ©



We're Updating and Revising—Environmental Education Materials: Guidelines for Excellence 830 AM-910 AM. Thoroughbred 2 NAAES Environmental Education Materials: Guidelines for Excellence, part of the Guidelines for Excellence series, provides a set of recommendations for developing and selecting EF instructional materials. We're in the process of updating them. Come and get as neak peek! Presenter(s): Bora Simmons, National Project for Excellence, National Wildlife Federation Kim Matrinez, National Wildlife Federation Kim Matrinez, National Wildlife Federation

Strand: © O Young Professionals Clinic: Fundralising Essentials: Message, Momentum, and Mindset 830 AM-910 AN, Paterson C Like it or not. every nonprofit employee is also a fundraiser and muss build the relationships hat enable their organizations to thrive. In this session, you'll learn how to raft fundralising messages and winning proposals. while creating the donor connections, forward energy, and rapport that make gifts happen. Presenter(5): Lea Harvey, LLH Strategy Advisors, LLC; Krishna Roy, Consoltant

Kim Martinez Strand: 🛡 🗘

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# Bright Spots 9:20 AM–10:00 AM Learn about two or three successful and loosely related programs in each 40-minute session. Sessions are presented in the order listed.

GROUP A 9'20 AM-10:00 AM, Elkhorn C

Sad Nerr Loop An, Exhan IC Beelluf: Environmental Literacy for a Blue Planet Come learn about NAAEE and NOAKS new partnership, eesluft. Togother, were building capacity for environmental literacy by strengthening professional networks, disseminating best and supporting high-quality STBM education. Presenter(s): Drev Price, NAAEE Brownen Rice, NOAA Strand: •

# Strand. Str

Strand: • NAMEE's Matchannide Effort to Strengthen the field res60 Come learn about NAAEE's initiative to support innovative environmental education across the country, NAAEE through a cooperative agreement with US EPA and seven partner organizations, is leading an atomovide effort to strengthen the field, support professional development, and build a more the first three years of this collaborative effort. Presenter(s): Drew Price, NAAEE; Anne Umali, NAAEE; July Braux, NAAE Judy Braus, N Strand: • 🗘

# THURSDAY THURSDAY

Presenten Public Sch Strand: ●

Strant: WZAMB: Findings on the Confluence of Visitor and Institutional Agendas 1030 AM-1110 AM, Regency Ballroom 2 Key findings from the WZAM3 study will be shreed, induding how cost and aquaritums on build institutional capacity to kern about their role and how institutional capacity to kern about their role and how institutional capacity to kern about their role and how institutions and aquaritums of the ducation settings will be drawn. Presenter(3): De teimlich, Lifeliong Learning Group/ COSI, Kelly Redinger, Oregon State University Coster for Research on Lifelion STEM. Learning, Rupu Gupta, New Strandt

Thursday 10:30 AM

GROUP A 10:30 AM-11:10 AM, Elkhorn C

Volunteen Strand: ●

Bright Spots 10:30 AM-11:10 AM Learn about two or three successful and loosely related programs in each 40-minute session. Sessions are presented in the order listed.

US30 XMP 11 to YMP, ADDATE C Applying Research to Curriculum Design Explore the before and after of the Environmental Volunteer's handhon- classrom activities. We have redesigned our lessons to incorporate teaching best practices identified by education research. This will be a brief overview of our process highlighting what has been most successful. Presenter(s): Entitary Joy Sabol, Environmental Voluntearce

# THURSD Teaching Environmental Education to Pre-K Students in a Digital Age 1033 AM-11:10 AM. Thoroughbord 4 paralegis for negating early childhood students in environmental education. This presentation will include innovative ideas for connecting technology to outdoor learning spaces, techniques for engging students across conomic and cultural boundaries, and strategies for connecting literacy and technology standards with native. Presentedts Juliann Dupuis, Notre Dame of Viry Fullic Schools Strandi

Strand: © Custometer and UNVERSITY Questioning Our Assumptions with Real Data: What Makes E Better? 10.30 AM-11:10 AM, Heritage Balroom 2 What approaches load to better outcomes in EE? We will share the results from an unprecedented anional study of E (or youth despect to identify will conclude by providing practical lessons for those interested in improving environment education and enhancing outcome achievement. Present(5): AM-Stern, Virginia Tech; Robert Powell, Clematon University Strand: ● Strad:● The Santa Barbara Zoo: Becoming a Certified Autism Center 1030 AM-1110 AM, Kentucky Come learn how the Santa Barbara Zoo has implemented training for staff, desgnated quiet spaces, created sensory backpacks, and so much more to create a more inclusive culture and become the first zoo on the West Coast to become a certified Autism Certer. Autism Certer. Stand: ●

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Strand: Stoward Seady Progress Towards an Indusive Student Research Symposium 1038 AtH-1110 AM. Theroughbred 5 US Regional GLOBE Student Research Symposia provided 800 Students, most fully induced and from underserved and underrepresented groups, with the opportunity to hare their GLOBE research projects with peers and STBM professionals. Presenters share to 2019 evaluation summary, the challenges in creating these equitable and Presenters share to 2019 evaluation summary. The Stamper of the Stamper Stamper Stamper Stamper Presenters Share Note Nutre, Youth Learning as Citizen Environmental Scientists

Strand: Using Systems Thinking to Educate About Sustainability and Environmental Justice 10:30 AM-11:10 AM, Heritage Ballroom 3 Learn how to use systems thinking to help students understand the broad ideas of sustainability and environmental Justice. Students explore nested deasroom, their Stool, and their community. Head Sector Stool, and their community, that beet fits their interests and skills. Presenter(s): Eleva Potter, Conserve School Strand:

# THURSDAY

National Park Strand: •

Park Service Strand:

GROUP B 9:20 AM-10:00 AM, Elkhorn D

University Strand: 🗢 🚾

9:20 AM-1000 AM, Elkhorn D Understanding sustainability Students This research assesses trends in sustainability attitudes and knowledge in the student population at Georgia Southern. Students completed a survey focusing on topics such as biodiversity and energy. Sustainability program were implemented to such assesses and the student population of each program. Presenter(s): Balley Chandler, Georgia Southern University

Strand: ■ ■ Building Collaborations Between Informal Educators and College Chasses: Best Practices Environmental educators with the Kentuday Division for Air Quality and University of Kentuday have built a multi-year collaborative partnership to educate undergraduates and to improve public communication about air quality. Students gain real-world separience working with a dilent to produce EE materials, which in turn are used by the agenty. Brite and the student set of the agent of the agent Rebeard and Brunes, Kentucky Division for Air Quality Strand: ● ■

Thursday 10:00 AM Coffee Break 10:00 AM–10:30 AM, Bluegrass Ballroom 1

Bobcat Bobcat Bobcat Bobcats are one of the Jargest mammals in Kentuck, They prefer heavy forest with lots of underbrush and choose a fresh rest sheltere ach day, such as a theltere ach day. such as a theltere ach day.

THURSDAY

Bright Spots 8:30 AM-9:10 AM Learn about two or three successful and loosely related programs in each 40-minute session. Sessions are presented in the order listed.

GROUP A 8:30 AM-9:10 AM, Elkhorn C

Environmental Education at Mammoth Cave National Park

Environmentar Ecologia and a memory and a me

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Using Virtual Reality to Inspire Learning About New Zealand's Marine Environment ELXKE and X2 Georgraphic have partnered to develop a series of 360° videos that showcase the best and worst of New Zealand's marine environment. BLAKE has taken that content, supported by VR Readsets, into Aucidina chools to inspire and educate students about ocean health. This session shares Presenterist), james Glabon, Sir Peter Blake Trust Strand: Q

# Content of the Stewards With basic videoconferencing equipment, distance and funding shortgares no longer keep students from their natural areas. Discover how Rocky Mountain National Park connects with understread students, while helping them unearth relationships with their own backyrd. Uncore how you can do the same, where the student students are as a student of the same where the student students are as a student of the same where the student students are students and where the students are students are students are students are students and where the students are students are students are students and where the students are students are students are students and where the students are GROUP B 8:30 AM-9:10 AM, Elkhorn D

Connections Camp: We Connect Children to Nature Discover how community partnerships have been successfully engaging youth who might not be able to attend summer camps of us to economic reasons in Connections Summer Camp, Youth Iharm to care for the environment, have respect for themselves, others, and their communities. Presenterity Jennifer Ebworth, Metroparks Toledo Strand. • • •



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# Thursday 10:30 AM Young Professionals Clinic 10:30 AM-11:10 AM

Whether you're a student, just getting started on your career path, or in your first professional position, this clinic will help build essential skills that will help you now and in the future. Choose from sessions in two tracks: job seekers and early career educators. See page 32 for more information.

sessons in two tracks; job seekers and early Career evidencians. See ages 216 more information. Track 1: Nail III Aking the Interview and Getting Paid 10:30 AM-11:10 AM. Patterson B An effective angletation can land you an interview but the interview gets you the job. Learn best method that the second second second second fetcher interview. Additionally environ figures regolations, upon receiving an offer, requires secarch to provide evidence for your demands; tips and strategies will be provided to assist your efforts. Tracks: Came-Changing Communication 10:30 AM-1110 AM. Patterson C Table Jalok at the often overlooked power of how doy language. first impression, and business attice communicate far more than our words, attics formunicate far more than our words. Presenter(s): Terri Thompson, Terri Thompson Presents Strand: • E



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 Envi INCE LEXINGTON, KY 69

# THURSDM Whele School Sustainability: STEM and Our Environment 1030 AdV-1110 AdM, Regency Ballroom 1 Whole school sustainability requires the seamless and purposeful integration of all three gillers of sustainability throughout school's culture, place, and programs. But this is easier and than done, In this session, discover how Fayette County Public Schools & Imerging student-off yeas schools by whiles, and building develop student leadership, white child and develop student leadership. Public Schools Strancia

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Best Methods for Best Practices in EE Environmental educators are not removed from the world of traching to meet grade level standards, but are we effective In comparing two often used teaching methods we wanted to better understand how and wha rom the classroot the field by utiling methods rom the classroot the field by utiling methods of North Carolina Strand:

Strand: 
Environmental Literacy of Peruwian Middle School
Students of Private and Public School
Lima, the capital of Peru, has been recognized as
the most polluted (vijn Latin America. This study
will determine the levels of environmental literacy,
measuring avareness, knowledge, attrude, skills,
and action through a descriptive-correlational design,
reachers and their this-and study code students in
Presenter(s): Sandra Huaman-Pastorell, Universidad
de San Martin de Pores

# GROUP B 10:30 AM-11:10 AM, Elkhorn D

1033 AM-1110 AM, Elikom D AM Pollution Impacts on Schookchildren in a Coal Mining Area The environments where children grow, play, and learn affect their health. Children that attend schools located around insulti al areas are apposed to all sorst base apposute make them absent from schools interdy leading to poor academic performance. Presenter(t). Adglee Olderm, Tahwane University of Technology, Pretoria, South Affica, Marendow, Pictoria, South Affica, University of Technology, Pretoria, South Affica, Younne 10

Strant: 
Hood 2 Farm: Global Green Gang is a hip hop-themed, Hood 2 Farm: Global Green Gang is a hip hop-themed, community-locused education project designed to engage a diverse range of elementary school exploration through a merging of flemature, sud-oval productions, community outreach, and eco-courism. Presenter(5): Trevor Clabiorn, Kentucky State Universit Farmer Brown: Tha AC

Environme Strand: •

Citizen Enviro Strand: • 🔿

# Youth as Allies and Partners for Action on Chate Change Seeing youth as allies for dimate change solutions is critical to success. Learn strategies from Climate Generation and The Wild Center on how to build an inclusive youth challes common ground, and an inclusive youth, builds common ground, and researcher of the Wild Center Strand: ● ◆

Creating the Next Generation of Environmental Stewards 220 AM -1000 AM, Elkhorn A The Missouri Botanical Garden engages teens in hands-on community action projects to address St. Louids environmental challenges. This session will focus on two different programs that are designed to engage historically underrepresented communities: Outdoor Youth Cores (pouth engloyment program) and Eco-Act (high school class implemented in pathreship with are aschools). Presenterpt, Besty Crites, Missouri Botanical Garden Stand: e **Q** 

atrant: Or a maximum octanical Garden atrant: Or and Climate Solutions 920 AM-1000 AM, Thoroughbred 2 Climate education and engagement can be a tail order. The issues are complex and highly politiced. Drawdown EcoChallenge is a fun and sodal way to cut through the noise and inspire your community to Discover how to activate your community with Drawdown.EcoChallenge.org. Presenter(s): Lacy Cagle, EcoChallenge.org Strand: • 12

# SEED: Social-Emotional Environmental Education

SEED: Social-Emotorement... Discovery 9:20 AM-1000 AM, Berea Join us to learn about one nature center's EE approach that uses social-emotional learning, SSED indudes vide journaling (soon to be available on You Tube), dassroom visits, field trips, and more this viel reveal how the project received but grant and federal Tule funds totaling more than \$10,000. Presenter(s): Jennifer Tariq, Douglas-Hart Nature Center Strand: • 💠 Strand: User Experience (UV) Bootcamp: Applying Design Tools to Environmental Education 920AM-10200 AM, Elkhorn B Have you heard phrases like 'user experience' and 'design thinking: but aren't sure how they apply to educational materials? In this introductory session, we'll neak how Use motion doug an help foster conservation awareness. Through three case studies, we'll rever basic design principles to help you create Presenter(s): Christina Stefan, Consultant Strand:

Olimpiadas del CASA: Puerto Rican Forests for Children with ADHD 1030 AM-1110 AM. Elborn B Olimpiadas del CASA are activites in forests for children with Attenton-Deficit/Waperactivity Disorder (ADHD). Attletes, often bosy, hiled trails, made friends, and practiced nature-related hobbies while parents reported changes in symptoms. Projects like these can increase ADHD toolkist for failth cas well as opportunities in forests for all children. University, Marta Revea, Interamerican University Varitza Bobonis-Vázquez, Interamerican University Yarnate O

Yaritza Bobor Strand: • 💠

Pedagogies of Perspective: Enacting Culturally Sustaining Practices in Nature Education Authentic, culturall-pussianing pedagogies are critical for connecting marginalized youth to maaningful experiences in nature. Using a combination of interviews, observations, and longiturinal aprogram evaluation analyses, this work explores the mechanisms through which instructors at a narce education program auccesfully avoid culturally-sustaining, practices with their students. Presenterist; Juan Miguel Arias, Stanford University Strand: •

# Thursday 11:30 AM

Plenary Session 11:30 AM-12:30 PM, Bluegrass Ballroom 2 Mona Chalabi Mona Chalabi sa journalist who really loves numbers. She is the Data Editor of *The Guordian* where she writes articles, produces documentaries, and illustrates, as well as numules, data. She is also a data journalist for NPA. See page 41 for more information.

# Thursday 12:30 PM

Exhibit Fair Luncheon 12:30 PM-2:15 PM

# Poster Sessions and Affiliates' Welcome 1:00 PM-2:00 PM

1:00 PM-2:00 PM Bluegrass Ballroom 1, Bluegrass and Thoroughbred Lobbies Chat with exhibitors eager to connect you with the latest and greatest in environmental education products and services and visit with many of our colleagues. In environmental their poster presentations and discussing their work, Learn more about NAES Affluets and the many take and provincial levels. And dort miss this opportunity to bid on fabluosi finds in the siltent auction or drop a couple of tickets into a raffle bucket. The lunchono is incided with Thurstady or full conference registration with an RSVP in advance. See page 47 for more information. Exhibitors are listed on page 135.

Areas variable of the second s Center Strand: • 🗘

Straid: 

Stra University Strand:

22 Exporting Constructs Associated with Humans' Relationships to the Natural World Terms from differen fields have been used environment, including topophila, environmental sensitivity, significant. It le experiences, place attachment, and biophila. This session will present a comparison of these terms, and explore their implications for theory, research, and practice in EL Presenter(J). Damile Pastor, Florida Institute of

39) Our in the Field: University Student Attitudes and Interest in Environmental Education environmental education careers? Come learn how field experiences at the National Aquarium and a local school system outdoor school affected the attitudes and interest of STEM majors enrolled in an upper level biology course. Presentor(15: Starh Haines, Towano University; Chelsa McClure, Towson University Strand: 9

s): Kenton Sena, University of Kentucky

in Jerusale Strand:

Sydney Ba Strand:

Thursday 1:00 PM

Inursoay 1:00 PM Poster Presentations 1:00 PM-2:00 PM, Bluegrass and Thoroughbred Lobbies 1) A Canadian Perspective of Outdoor and Nature-Based Learning againing popularity in Canada, This imsele-methods survey study collected information on the number, type, pedgaggies, and curricula content of these programs through a par-Canadian online survey. Foster dialspace on outdoor education from an international perspective. Presentergie: Elizabeth Y-S, Bolaua, Lakehead University. Debra Harwood, Brock University Straid: 6-5

# University; De Strand: 🔵 🛟

Strand:

23) Facilitating Disability Awareness and Accessibility in a Zoological Park Community engaged research examined the organizational capacity, facilitators, and barriers to increasing access for visitors with disabilities at a zoological park. Following a needs assessment, staff training and visitor resources were developed to assist with this initiative. Experiences, lessons learned, and outcomes of the process will be shared. Presentor(s) Drotan McNeill, UNC Chapel Hill Stand. • Q

Strand: 
California the Intersections Between Culturally sustaining Pedeogles and Environmental Education for intersections between culturally sustaining pedagogies and environmental education. Three major place-based pedagogies are as initially put forth types, Change Parls and Dr. K. Samy Alim. United Strands and Strands and Strands and Strands S

Strant: 25 Fostering Stewardship Through Professional Development: The Missouri Botanical Garden's EarthWays Center demonstrates how data, problem solving, and professional development can be used to engage learners and inspire impactful environmental action. This poster espoisers a waster education program that uses data to empower students and teachers with data to guide term in developing and implementing student led environmental action projects. Student-led environmental action projects.

Strant: 20 (sathering Climate and Tree-Ring Data with Environmental Science Students Climate change topics for K-12 students can be difficult to discuss but are necessary components to environmental education. This ession shows how to introduce students to tree-ring science, a environmental education and provides a pathway for students to become citizen scientists. Presenter(S: CLIP Tucker, Louislana State University Jill Trepanier, Louislana State University

THURSDAY

HIGGLAW 4) BiomeSTL: The Case for Connectivity How could one project propel an entire region to rethink is relationship with the living landscapes and and statistical entire the second statistical and importance of science and data, and the central role of citizens in sustaining healthy, thriving, livable communities for all. Presente(b) Shela Yoss, Missouri Botanical Garden Strand; 6

# Strand: 6) Citizen Science and Community Engagement in El vonque National Forest in Puerto Rico This community engagement program, initiated in shares the story of engaging eight communities surrounding El vunque National Forest, through citizen science and conservation education programming. Goals include public participation in the implementation of the revised El vunque forest management plan post-inurcane Maria. Abel Olivo. Consolution Consolution Latinor Strand. 9. Uthere - Consolution

Strand: 7) Citizen Science and Environmental Education: A Framework to Inspire StewardShip A Framework to Inspire StewardShip Componentary approaches to move participants towards greater environmental literacy and potentially empowerment, yet little research has addressed this. This poter highlights a theoretical framework to identify appropriate learning outcomes inspire stawardship. Presenter(s): Jessica Kaplan, West Virginia University Megan Kruger, West Virginia University Research Corporation

8) Classroom Activities Focusing on Uncharismatic Marine Species: Assessing Children's Attitudes charmantic species: While this exposure is important raising awareness about the value of uncharmatic ones is just as essential. This research explores experiential learning through a series of activities and discussions forcued on unique adoptations of Presenter(s): Clama Palladino, University of New Haven

Strand: 9) Conservation Districts: Connecting Students to Local Conservation Professionals Have you contacted your Incal Conservation District? Diach-based programs, and carefer Gousded trainings for students and educators, Learn how to get involved with programs such as the national Envirothon competition, connect your students to conservation professionals, and access resources specific to your community. Conservation District Strand: 90 conservation professionals

# Strand: Str

Trull 30) Groundswell Michigan: Ten Years of Impact and Outcomes. For 10 years, Groundswell Michigan, a 2018 ULEA winner, has modeled and supported effective traching pedagopy through community-based projects that address a real environmental need Sudoet engagement and learning through these projects has half pedage for tenest generation of projects has half pedage for tenest generation of our research and leakeways.

Strand: 
31) International Environmental Education Programs at Cornell University for Chinese Students Vouth Lead is a Chinese social enterprise in environmental education. In 2018, Yourh Lead, in cooperation with Cornell University, organized summer and writer programs for Chinese stude like to share the experience of organizing such international programs. Presenterfix: Mi Yan, Cornell University Strand:

and a start of the

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# 12) Design Thinking Our Way to a More Sustainable City we use Stanford d.school's Design Thinking and the UN Sustainable Development Goals to learners as problem solvers in our urban. high rank deep learning opportunities, positioning learners as problem solvers in our urban. Ngh are videly replicable to foster engagement with underrepresented youth and the adults who serve them. underrepresented youth and the adults who serve them. Presenter(s): Nakeia Wimberly, Paterson Public Schools; Elizabeth Nunez, Paterson Public Schools; Lakisha Kincherlow, Paterson Public Schools Strand: •

Strant: • 13) Developing and Implementing a Conservation Education Program in India Mid Shaale, a conservation education program, was developed with the goal of teaching children living in close proximity to findiar protectude areas about learned during the multi-tage development of a culturally relevant conservation education program in Indiar Western Chats. Presenter(s): Niya Satheesh, University of Wicconsin-Madison

Statistic 14) Drinking Water Education: Potential Strategies for Promoting Health and Preventing Disease Through promoting drinking water deducation, we can water may effectively promote health and prevent diseases by reducing the pollution in the water during its processing, production, and transportation and by producing the pollution in the water effectively Strategies and the strate techniques. Presenter(s) Yung-Tieleh Charles Yu, Environmental Stratedie



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Thus: 15) Effectiveness of an lowa Outdoor Education Program on Diverse Students Explore the effectiveness of a weeklong, immersion-based, outdoor education program by looking at the impacts on diverse sinkt grades students from a public school. Results show changes in students' attudes towards the outdoors. Jeaning science, and sustainability after participating in the program. Presenter(3): Residuals StafeLa University of Iowa Strand.

Strand: 

16) Empowering Youth with Digital Technology, to Explore Local Environmental Issues
This poster focuses on Milwouke Green STEM, With a point of Local Strukture (Strukture), and the second strukture (Strukture), and the second strukture (Strukture), and involuto, Environmental education organizations from all around Milwauke to support unak their keypote event. Science Strukture, Stru

Strance 71 JEngaging Teens in Project Drawdown and the Drawdown EcoChallenge Examine strategies and receive curriculum resources Examine strategies and receive curriculum resources in Paul Howen's Acclaimed book, Drawdown: Most Comprehensive Plan Dier Progesset to Reverse Global Worming. Presenter(5): Dana Haine, University of North Carolina-Chapel Hill Institute for the Environment Strand.

Strand: BI Environmental and Community Impacts by Teen and Aduk Parteners public Empowering diverse public adults towards environmental action is vitat to building realimet environmental action is writer and action programs make a collective ecological and community impactive ecological and on IBV conservation efforts by intergenerational of IBV conservation efforts by intergenerational resources Conservation Acdemy, Presenter(s): Lawa Cisneros, University of Connecticat

strant: 37) Marine Protected Area Educator Todiki Take a dive into the Marine Protected Area Educator (MPA) Todikit, a collaborative effort to provide formal and informal educators, regardless of location, with the resources to connect students to oceanities such as turning kelp into gummy wormal. Presenter(s): Angela kemsley, WILDCOAST Strand.

Strand. ● 38) Motivating Undergraduates to Mentor Underserved Middle School Students in STEM Learn what motivates undergraduates to volunteer in their local communities. By understanding their motivations, volunteer programs can be marketed to target the interests of undergraduates. The presentation will local at volunteers in Positive Feedback, a grassroots science fair mentoring Homerally of Ronda. Presenter(s): Gabriela Sullivan, University of Florida Strand. ●

# 36) Library Outreach: Environmental Education That Meets Them Where They Arc By combining in-classroom outreach methods and outdoor programming with environmental education topics and concepts, Kenton County Public Library has found a successful formula for providing instruction-enhancing. furn, and enging lessons that meet students where they are. Explore successful library programs which make nature connections with students both inside and outside. Which Library the Search Kenton County Evulatic Library Strand: ●

23) Junior Nature Explorers: Cultivating the Next Generation of Conservation Stewards We describe the development and implementation of an environmental stewardship program in preschool programs in the Milvesst. The program was designed based on Head Start program domains and with a Learning Science focus keeping in mind the role of collaborative learning and role models and mentors. Presenter(2): Privanal Parekh, Transylvania University, Rachel Patton Strand.

strant: 33) Kentucky Master Naturalist Program The University of Kentucky created a new Kentucky Master Naturalist program to develop a community of well-informed Gitzen-volunteera dedicated to the conservation and management of Kentuckys natural resources and areas. This session will discuss the program, showcase developed materials, and will provide participants with information on how to Presenteric: Carmen Agoundis, Lowersity of Restrucky: Ellen Crocker, University of Kentucky Strand:

Strand: 3() tatics Vouth's Experiences Across a Large-Scale Nature Education Partnership This research presentation examines youth experiences across a large-scale nature education partnership degred to engage tatikny youth in nature experiences. We look at youth's experiences across the multiple rorgarming contexts within the partnership and how they experience the various undergring values, goals, and pedagogical Presenter(t): Kelsey Tayne, University of Colorado-Boulder Strand:

30 dilut. Sol Lexing for Tree Week—Nowl (October 12-19) Tree Week celebrates and synthesizes the roles trees pluy through creative, informative, and fun-filled activities for all ages. Dozens of community events Create oportunities for engaging with fand under | Lexington's heautiful tree canopy. Lexington Tree Week, organized by the Urban Forest Initiative, coincides with NALE'S 2019 Conference. Presentor: Nicolas Williamson, University

Sti Tennessee 4-H Water Project: Wish You Were a Kid Again University of Tennessee Extension is developing a 4-H Project on water, through a former 4-H Agent who Bhinks out of the box. Here a doubt the funding programs, state educational standards, lesson plans and activities, plotting in 4-H Cubus, Farm Days, and 4-H Water Campi Presentarity: Lena Beth Reynolds. University of Tennessee Estension Science:

Strant. Strant. Styline timpact of Nature Preschools on Young Children's Well-Being and Well-Becoming Learn about a research here underway in nature preschools in Minnesota that is building a base of empirical evidence that can be used or advocate for aligning any learning practices with what is known regarding children's development and avoid-being and by doing so, meaningfully contribute towards ones sustainable thure. Presenter(s) Julie Ernst, University of University of Minnesoria-Dhillren's Minnestration (Interview) of Minnestration (Interview) o

Strant: Sty The Ohio River Recreational Trail The 250mlle Ohio River Recreational Trail portsmouth to Louislik, lexitudy: Ut uses the US National Park Service standards identified in the Rivers, Trails, and Conservation Assistance Program as a planning platform. The trail provides access and safety to the Ohio River and promotes recreation and education. Presentor(1): David Viricks, River City Paddle Sports; Argeal Page, Louisville Male High School Strant: ●

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ST he folde of Citizen Science in Community
Engagement and Perceptions of Local
Nature Centres

Citizen science has the potential to increase
community engagement and positive perceptions of
nature centers. Visitors of all ages can participate in
adurbentic science that promotes conservation and
ecological stewardship. Learn how a small nature
center integrated titch as science into its education
programs to engage the community in nature-based
education.
Presenter(s) somethies Kolman, Southern Illinois
Strand: Inc.<sup>1</sup>

Vinnesota-Duluth Strand: •

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Presenter( Strand: ●

Set Urban Forest Stewardship Program for Inner-City Schools and Inner-City Youth Awaken the senses and inspire curiosity in inner-city students as they explore forested areas and the outdoors. Citera Generation and a set of the watching, stream clean-up, and more fun activities comprise the Urban Forest Stewardship program as produce a healthy ecosystem. Presenterstr: School Jack Jack Cools Community District Strand.

Strant: 9) Using Nature Journals to Increase Students' Awareness of Local Biodiversity Want to increase students' scientific observation and writing skills while encouraging them to explore and writing skills while encouraging them and biological biodiversity and critical thinking skills, while sparking their interest in the world around them! University Strant. Strant.

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Goldenrod Goldenrod Goldenrod is a perennial plant known for its healing properties. Fields of goldenrod bloom across Kentucky in late summer and early fail. This wild edible does not cause seasonal allergies as many tend to believe. Solidogo elemeters encies of gigantea species goldenrod is the state flower.



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27) Global EE: The Good and the Better Funded by the World Bank Connect/Climate Program. Earth Day Network conducted an assessment of global environmental education programs formally embedded into primary and accondary education school systems. Join us to learn results and best practices for successfully embedding EE into your classrooms. Presentcist Tracey Ann Ritchie, Earth Day Network Kira Heachten, Earth Day Network.

Strant.<sup>®</sup> 28 (ao Team Exploring Community-Based Environmental Experiential Education Projects Come explore with our team Learn about the development of dynamic community-based education projects from the Bullegas accommunity are learning new methods, collecting tata, and engging voluntees in order to improve water quality in their community. Presenter(3): Track Rowles, Bullegrass Community and Technics (College Strand: <sup>®</sup>





Narrow-winged Damselflies Most of the damselflies encountered in Kentucky are Anrow-winged Damselflies. These small, regile-lood damselflies are common near ponds and slow movil streams, and are named after their colors—common varieties include Violet Tails and Bluets.

 Building Leadership for Connecting with Conservation and Educating for Sustainable Green Schools and Preparing Environmental Literacy Nature Environmental Education Communities for 211° Century Careers e Environmental Education Communities to trice liquity and Progessionals (AnAPEL Affiliate Communities Communities) ee3 Professionals (Network Communities)

Linking Research and Practor
 to Increase Impact

THURSDAY

# THURSDAY

43) Restoring Native Orchids While Restoring Nature with kids. FAU Pine jog Environmental Education Center has successfully developed an educational component of the Porida Orchid Restoration program called Orkids, Students engage in learning about the importance of plants in native ecosystems while actively collecting data on orchids they grow in their school's board jub. Lessons learned will be shared. Presentergit: Carmen Rodriguez, FAU Pine Jog Environmental Education Center, Yuba Nu, Pine Jog Environmental Education Center, Juba Nu, Pine Jog Environmental Education Center, Juba Nu, Pine Jog Environmental Education Center, Vision Konto Frontie

Stranci e 40 Patterns That Shape UEE Practice and Policy in a Diverse City In a world so rich in different EE aproaches, how do we know what can succeed where? Which approach can answer the needs of different communities? Urban patterns can help us forsee the EE needs in different parts of the city. Come explore a case study Presenter(s): Naama Sadan, The Hebrew University in lervoalem Strand: • 44) Rock Out Lessons in Stream Ecosystem Engineering Through the Rock Pack Experiment The Rock Pack Experiment combines STEM topics of engineering, ecology, and mathematics in stream ecosystems through the world of the net-spinning caddisfly, Activities can be used indoors or outdoors to get students excited about insects and rocks in streams and to learn interdisciplinary science skills in a unique way! Presenter(5): Tara Muenz, Stroud Water Research Center

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Strand: 45 ST.E.K.M. Unplugged This field-based initiative provides participants with the opportunity ontegrate science, technology, utilitizing Commentation and the opportunity of the classroom/shales the concept of "Nature bill it first" is explored, Site-based Investigations include field geology, sal/Transformation, and land art. University University

# Autor: 42) Restoration Ecology: An Interdisciplinary and Hands-On Core Curriculum Option Restoration ecology is interdisciplinary and presents initing opportunities for students representing a wide range of academic interests, in addition, restoration ecology presents result by opportunit understand environmental issues, as well as service-learning opportunities to directly effect conservation solutions. PresenterSite Kenton Sans Linkards-Education University Strand:

Strant: • 46) School Wide Inquiry from the View of a Butterfly Garden Participate in lowly discussion and activities as we explore strategies for engaging students in a citizen science project. This presentation will include innovative ideas for an inquiry-based project of creating a monarch butterfly garden, techniques for engaging students in cross-curricular activities, and involving the entire K-8 school community in natural school reform. Presenter(5) Juliano Dupuis, Notre Dame of Maryland University, Tracey Tokarski, St., Dan of Arc Strant.

Strand: • 41) Boittive Youth Development, Environmental Action, and Civic Engagement Implications Explore positive youth development practices and outcomes in an environmental action program from the Saint Louis 2000 to promote civic engagement in youth and young adults! Besearch will be explored and resources will be given to help you implement or enhance your environmental action program with Presentent?(-Dirotme) Jet Li Daversity of Missour-Sydney Barnason, University of Missour-Columbia Strand: •

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51) Teaching Science with Technology: Using EPA's Enviroldus in the Classroom US EPA's Enviroldus provides a collection of web-based, interactive tools and resources for exploring ecosystem goods and services. This poster introduces a K-12 educational curriculum that has been designed for use with EnvirolAlas. The curriculum contains four lesson plan packages for grades K-adult. All lesson plans are standards-aligned and free. Presenter(c) Jenna Hartley, NC State University and ONES/US Environmental Protection Agency Strand: 47) SetE-Organized Summer Camps of a Campus Environmental Club for Different Audiences Multiple summer Camps are organized every year by this large campus environmental club to us a discness. The poster includes camp details, as well as observations, reflections, and discussions from the club arembers and a researcher. **Presenter()**: Yueyang Yu, Cornell University Strands 🖶

Strand-® C 48 South Carolina 4-H Junior Naturalist: Impacts and Innovations South Carolina 4-H Junior Naturalist is a nature-based and inclusive youth program that encourages environmental stavaristic hip by providing place-induced increased affinity for nature and feeling happy because of exploring and sensory experiences outside and with animals. Stewardship actions reported, Program evaluation leads to innovations. Presentrol; Cathleen Reas. Montreat College Strand-

Strand: Sty Supporting Ecological Justice and Sustainability in K-12 Schools and Communities Teachers; students, and communities must work together for a just and sustainable future. This session highlighter place-based education in their team how to utility place-based education in their dissocrass and partner students with community local environment lisuses. Presenter(s): Erica Hamilton, Grand Valley State University

# Strand: • 40 Sowing SEBS Clear-Improving Self Efficacy in Science Education for Preservice Teachers sowing SEBS Science, Environmental Education Discovery, and Synthesis) establishes two environmental education certification programs for preservice teachers focused on grades K-3 and 4-3; respectively. We calivate effective science preservice teachers focused on grades K-3 and 4-3; respectively. We calivate effective science preservice teachers focused on some science educational science educational bits for inservice teachers in any educational setting. Presentre(5): Julia Robinson, Robert A, Hefner Museum of Natural History Strand: •

# Thursday 2:15 PM

# Environmental Education Evaluation Clinic 2:15 PM-3:45 PM, Patterson B

Interested in largening more about evaluation? Bring your questions to this interactive workshop! We will follow up on evaluation topics introduced throughout the conference (e.g., nature connection, cultural) responsive evaluation, anoline evaluation portal available soon), and answer any other questions you have about evaluation, including those speech culture about evaluation, including those speech culture in Stevenson, North Carolina State Linkowski.

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# Symposium 2:15 PM-3:45 PM

Group B 2:15 PM-2:55 PM, Elkhorn D

A 15 meV-25 me, ENDINU Reaking Down Barries in Environmental Education <sup>9</sup> learned that mud isn't scary!" Galveston Bay Foundation's education programs have a long history of engaging urban and low-economic potunt. Participant surveys have resulted in detailed information regording the barriers that students information regording the barriers that students barriers.

2:15 PM-3:45 PM Moving the Needler Pomoting Equity with Systemically Integrated Environmental Education 2:15 PM-3:45 PM, Kentucky Laarn about the Collaboration between the Pennsykania Departments of Education and dioritics, communities, businesses, and sub-governmental agencies within Pennsykania 5 Environmental Justice Areas. The Integration of environmental education, civics, and environmental justice and an increasingly environmental fuel terate and active citizemy. Partfer: PA Department of Education, Allison Acevedo, PA Department of Education, Allison Acevedo, PA Department Vater Works; Sarah Flaherty, PA Department of Education

Strand: ● Four Environmental Ethical Principles to Engage and Sustain Student Thinking 2:15 PM-2:35 PM. Heritage Ballroom 3 Why should the teaching of ethical principles be limited to medical students? all its duents can learn how to think and act ethically. Four principles— precautionary principle. Iodiversity: environmental justice, and sustainability—serve as guides to help students decide on a course of action. Participate in hands-on activities and thoughtful discussion. Presentercip: Limbacht Spike, Fairlac County Strand: ● Strand: ●

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Lessons from the Forest: How Great Preschools Place Nature at the Heart of the Curriculum 215 MP-3358 MP kertrage Ballions Nature-based learning is one of the fastes-growing approaches to early education. While of schools at the forefront of the movement—nature and forest schools—have in common, and what can they teach schools—have in common, and what can they teach schools—base in constant Schools and the schools adjuebook from NAEES Natural Stant Milance developed with nature-based education leaders to Presenter(s): Christy Merrick, NAAEE Strand: @

Strant: 
Online Learning to Advance EF Practice: Cornell's
Experience and Research
Carbon Learning to Advance EF Practice: Cornell's
Experience and Research
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Cornell University
And Karmatrong, Cornell University
Vaewarg Vu, Cornell University, Mu Yan, Cornell
University

# University Strand: ●

Presenter(: Strand: •

# Strant: Outdoor Nature Play and Environmental Learning with Losse Parts. 215 PM-364 PM. Regency Ballroom 2. Participants will engage in shared stories and examples of playidl inquiry with losse parts in an outdoor dassroom and school garden. Well share how our public school model allows for meaningful access to cross-curricular environmental learning that promotes a connection to plaste, social-emotional, and physical well-being in the K-7 subJ urban, and rung contexts. Presenter(s) Megan Zent, School District #38, Presenter(s) Megan Zent, School District Megan Zent, School District Megan Zent, School District Strant:

Link Research to Practice and Increase Revenue with Logic Models Table 5 Logic models are useful in the program design and evaluation process. facilitate the incorporation of research, and can increase revenue when included in grant proposale, join this roundhable to share your experiences with logic models. An introduction to logic models with any program logic barber 30 Presentra(s): Sur Magdiatrz, John G. Shedd Aquarium Strand.

Stepping Away from the Savior Syndrome: Outreach that Empowers

Thursday 3:05 PM

resenter(s)

Strand:

Traditional Presentations 3:05 PM–3:45 PM

Outreach that Empowers Table 6 Togethe-ing and the sum of the sum of the source of the Togethe-ing information would look like within the context of conservation education. This is just the beginning of a universally necessary dialogue about evolving the Et tools of endgement ranging from curriculum imagery to culturally relevant points of entry into an underrepresented community. Presenter(s): Oliva Walton, University of New Haven Strand: 0

3:05 PM-3:45 PM Bountful Harvest: Cultivating Youth Leaders Through Farming: Employment, and Education 3:36 PM-3:45 PM, Berea Using food as a vehicle for personal growth and social change, the Youth Community Agriculture Program inspires young people to take an active role in their food system and create a healthier community. This presentation gives best practices generation of leaders. Presenter(s): Erin Hargrove, The Food Literacy Project Srand:

Strant: 
Habitat: An Ecological Restoration Program in Puerto Rico 305 PM-345 PM, Elihorn A The Islands of Puerto Rico experienced hurricanes Imma and Maria, our most devastation, atural disasters in over 100 years. We faced challenges and help erstore visit our most devastation at unched Habitat, a comprehensive long-term ecological restoration program that assists the erabilitation of both our statural habitats and vulnerable communities. Presentre(1): Threa Is hasturalse?

# THURSDAY

Took & Tips for Successful State and Federal EF.Advacay 2:15 MM-336 SM. Thoroughbred 4 NARE and partner organizations have developed new tools for helping educators advances state and federal policy for environmental literacy. In this interactive session auticapation guide, eeAdvacate, and hear from leaders about state policy modes that an effectively getting more youth engaged in meaning Mesenterich Sarah Bodor, NARE Strant; O

# Traditional Presentations 2:15 PM=2:55 PM

2:15 PM-2:55 PM 4#SDaysofWates 2:15 PM-2:55 PM, Berea Wat happens when you take 19 first and second grade thintern outdoors for a walk, every day, when it's minus 40 despite the weather, even starting and the starting and starting and the starting and the starting and starting and the starting and the starting and starting

# Educing Levelorative for Concerning with Concernation and Concernatio

Influence of Field Experience on Teaching Self-Efficacy and Preservice Teacher Interest in EE 305 PM-345 PM. Thoroughbred 3 comporteness affect teaching self-efficacy and attitudes towards teaching science. Preservice teachers taught programming at the National Aquantum to middle level students from Baltimore City Schook. Results will be presented from propost surveys, interview, and students work artifacts. The Second University: Chalesa McClure, Towson University Strand.

Strant: Learn How to Explore Your World via National Geographic Grants 305 PM-3345 PM. Thoroughbred 2 The National Geographic Society seeks educators to explore ideas that move us closer to a planet in balance. Come learn about our grant opportunities that are available to educators just like you. Let's go Presenter(s): Rosemary Martin, National Geographic Society.

Strant: Opportunities for Critical Pedagogy in Place-Based Soft Plat-36 for Lifeton in Strant Soft Plat-36 for Lifeton in Strant Corressarchers and coeachers in a high school environmental science class. With photographs and conversation about a native meadow installation in the school's courtyard, they will discuss opportunities and challenges in teaching environmental science that is culturally relevant for a diverse classroom of suidents.

students. Presenter(s): Carolyn Waters, Bellarmine University; Lauren Niemann, Jefferson County Public Schools Strand: • 💠

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Exploring the Status and Needs of the Affiliate Network AGO IM-4-40 PM-Hyat Suites 400 IM-4-40 PM-Hyat Suites 400 IM-4-40 PM-Hyat Suites Headers and our new Affiliate Network Coordinator to learn more about the data collected from the Affiliate Survey, discuss opportunities, and share needs with the new Survey of Survey Su

Strand: ● ② C Living Buildings and Living Community: An EE sustainability Challenge 4:00 PM-4:40 PM, Elkhorn A the historic River Bend Farm in southern Maine, The Ecology School (TE) is creating on and river the county, Prusing Living Building Challenge and Living Community Challenge certifications, TES is integrating green buildings, agroecology farm production, and conservation research to provide community-Charlenge search to provide Community-Charlenge search to provide Community-Charlenge School Strand-Strand-

Using the Guidelines for Excellence in College Classrooms

Using the Guidelines for Excellence in Lowege Classrooms 4:00 PM-4:d0 PM, Throughbred 5 Winther Introducing environmental aducation or discussing program planning the NAAEE Guideline for Excellence and expendition of the State Mark State of the State of the State of the State Classics and a real eavies. This genome the State of the State of the State Ways that the Guidelines have been used in some logiles courses, and leave plenty of time for brainstorming how to use these resources more, Presenter(3): Reme Strank, John Charoline State University, Jennifer Marie Ortega, Humboldt State University.

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THUESDAY Designing Indusive Professional Development for Bducators 215 PM-255 PM. Thoroughberd 2 Project Learning Tree uses the ADDIE model as an instructional design process for designing, delivering, and evaluating high-quality profession delivering, and evaluating high-quality profession delivering and evaluating high-quality profession commite the ADDIE model and Instructional strategies specifically related to inclusive programming. (ADDIE components are Analyze, Design and Develop, Implement, and Evaluate) Design and Develop. Implement, and Evaluate) Design and Develop. Laboring Tree: Strand: © O Comp lable Evaluation Exact Creaser

Strant: © Green Jobs: Exploring Forest Careers 2:15 PM-255 PM, Elknom A Receive an introduction to Project Learning Tree's new green Career resource for formal and nonformal educators working with young adults. Participants explore all content and its applications to youth development programs, such as Scouts and soft participants explore all content and its applications to youth of educations of the soft and the soft applications of the soft application of the soft applications of prosteriors in the soft applications of the soft applications (Presenters'): Renel Lang, Sustainable Forestry Initiative; Renee Straad, North Carolina State University

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Bright Spots 2:15 PM-2:55 PM Learn about two or three successful and loosely related programs in each 40-minute session. Sessions are presented in the order listed.

2:15 PM-2:55 PM, Elkhorn C E43 Outder 30: Spodighting Leadership In Environmental Education Join us to learn about NAAEE's annual initiative to spotight and support youth leadership from around the world. The program recognizes exceptional leaders under the age of 30 who use environmental education in their work, and provides awardese with networking and professional opportunities through its growing Bobal Jaumi community. Presente(S) Wina Hamilton, NAAEE Strand.

Autentit • III Translating Science Talk for the Non-Science Human Through Media Concerned that not possessing the right science "marts" might link your ability to have an impact on wildlife conservation? For me, it turned out to be sciences, the science of the science of the science from my experiences helping scienciss translate and the sciences helping sciences translate and the sciences helping sciences translate and the sciences helping sciences the sciences helping the sciences helping sciences helping sciences translate and the sciences helping sciences helping sciences translate and the sciences helping sciences helping sciences the sciences the sciences helping sciences helping sciences helping the sciences

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GROUP B 3:05 PM-3:45 PM, Elkhorn D

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GROUP A EE 30 Under 30 Honorees 2:15 PM-2:55 PM, Elkhorn C

# Bright Spots 3:05 PM-3:45 PM Learn about two or three successful and loosely related programs in each 40-minute session. Sessions are presented in the order listed.

GROUP A GROUP A 3:05 PM-3:45 PM, Elkhorn C

auto Prm-545 PM, Ekklorn D Eco-Schools USA: Preparing the Next Generation with Science + Action In the next 50 years, rising generations are at risk for not knowing the world is schenging. Through the NW wildlife, owned is schenging. Through the NW wildlife, owned is schenging. Through the NW restores and the schenger scheme and ection to develop real solutions. Presenter(s): Martinez, Maninal Wellfe Federation: Mary Ann Settlemyre, Centreville Elementary Schen, Fairface County Public Schools Strand-3:35 PM-3:45 PM, Elkhorn C A Community Action Program for Teen Volunteers We launched an Environmental Community Action Program as part of our teen jurior dorent program in 2018 at Squam Lakes Natural Science Center in New Hampshire. We will share lessons learned from the first year and changes made to improve the experience and project ouccomes for 2019. Presentergi: Carol Raymond, Squam Lakes Natural Science Center Audrey Elsenhauer, New Hampshire Environmental Educators Strand: \*\* Strant.
High School Students Taking Leadership in Creating an Eco-School Tchina
We are a group of high co-school in China and the school in China and the school in China and the school students.
We will share our solutions to prevailing problems
existing in eco-school is like us and most of the ecoschools in China and the world.
Freestertist?: Viehala Gao, Sannew High School
ECocomitee

Strand: © O Rocky Mountain Environmental Challenge—An Innovative Approach to Natural Hazard Education Learn how Northern Colorado dassrooms have taken partin a competition-based education program that promotes student engagement with community Action and Problem-Solving Process, students Action and Problem-Solving Process, students addressing community in Autor Abazed Sissues, to make their communities storoger and more resilient. Presenter(c): Justi Zakoren, Earth Porce Strand: ©



Bright Spots 4:00 PM-4:40 PM Learn about two or three successful and loosely related programs in each 40-minute session. Sessions are presented in the order listed.

Stancio and Cone Gal, Many Solutions: Education in Hawari to #BeatPlasticPollution In a word where plastic pollution is knocking on all of our doors, it is critical that everyone is engaged, Project O.E.E.A. is an initiative in Hawari that encourages people of all ages, especially disempowered youth, to all egatPlast/Onlution, Presenter(s): Dyson Chee, Project O.C.E.A.N. Hawari Strand: and Strand: and Strand: Strands and Strands and Strands and Antice Strands and Strands and Strands and Strands and Antice Strands and Strands and Strands and Strands and Antice Strands and Strands and Strands and Strands and Antice Strands and Strands and Antice Strands Antice St

EE 30 Under 30 Honorees 4:00 PM-4:40 PM, Elkhorn C

Prescott College EXHIBIT FAIR

Strand: 
 Discourse of the second second

# What's in a Word' LGBTQ+ Inclusive Language in Environmental Education A00 PM-440 PM, Herriage Ballorom 1 Inclusion of marginalized groups in environmental education requires change from the ground up. In this discussion-based presentation, discover porgramming more velociming for UGBTQ-participants through shifts in language. Participants will have a chance to evaluate their own content for ways to improve their inclusiveness. Protect GLANNING Hard Statements Jones, OSL Extension Service-Dutdoor School; Jenna Mendenhall, Oregon Environmental Literacy Program Strant-

Project EARTH: Environmental Advocacy and Regol ng Through Extension Provide State State State State State avareness about glastic pollution by encouraging students to recycle plastic bottles in exchange for school supplies in Niogan Elementary School In the Philippines. The Project Denefits parents and pupplis from low-income families, addressing environmental susses while heiging families address and environmental susses while heiging families address encourage and environmental sussianabity. Education-Niogan Elementary School Strand: e @

# GROUP B 4:00 PM-4:40 PM, Elkhorn D

4:00 VM-440 VM, Ektoron D Et as a Catagyt for Change in Bernentary Schools Experts predict agap in STEM vorkers prepared to deal with complex environmental susses. It's critical work with chools Riverband's Change and Access Nature program is a catagyt for change, using comprehensive support and aquaponics in the classroom. Presente(t): Erin McCool, Riverbend Strand.

Strait: Make Your Own Watershed-Specific Macroinvertebrate Poster Aquait marcoinvertebrate Ayes tand to be rather Aquait marcoinvertebrate Ayes tand to be indirect seeffic identification posters and pollution indirect come get your copy and well go stera-by-step through creation of a tool for the critters in your Watershed. Pressnetsch: Dony Roush, Denver Public Works Strait.

# 4:00 PM-440 PM, Ethom C Auguonics ESTAM Education for Underprivileged Youth Discover how auguonics can promote E-STEAM education and increase food access for a Arisk youth in low-increm, under-performing school districts and juvenile detention facilities, by building these facilities on-site and linking to a NSS/Gommon Core curriculum, youth engage in hands-on learning and Presenter(s). Michele Madison, Farming The Future Strand• 0:

Strand: 
Stoboyard Dellinator Investigations Using Science and Engineering Practices Elementary students benefit from using schoolyard settings to replicate science and engineering practices. Student generated questions and authentic community of science, and provided meaningful learning experiences. The study analyzed whole-class discussion, peer-to-peer interactions, and written artifacts to understand fourth graders' engagement in the storage and engineering practices. Minnesota

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THURSD. Through Definitions Tarough Definitions Tarough Definitions Tarough Definitions target acquainted and re-acquainted with terms commoly used within diversity, equity, and inclusion as terms themselves. Well discuss different meanings, questions, and applications while extending our learning about culture and inclusive education. Presenterfy: Luciana Ranelli, Teon Science Schools: LUby McCann. Action Low neight work regulation Langet Anne Umal, NAKE: Bons Simmons, National Project for Excellence in tervironmental Education Strant: Question Linear action (Linear Linear Linear

# Climate Literacy and Energy Awareness Network (CLEAN Network)

Thomas it comes to experimente facewhere the helped them overcome these barriers. Presenter(5): Cindy Wilems, Galveston Bay Foundation; Megan Imme, Galveston Bay Foundation Strand Strand: The Report Card Champion Program: Cultivating Conservation Leadership The Report Card Champion Program is an advocary program that gives participants the knowledge, skills, and resources needed to cultivate conservation action in their communities. It seeks to empower youth and community groups in the Houston-gouth and community groups in the Houston-Bay—Hull natural resource for our health and economy. Presenter(st: TNaya Thompson, Galveston Bay Foundation Climate Luterary and the constraint of the const

Table 1 How do 1 start coversations that lead to bigger gits? How can liget my board members more engaged in fundatising 1 is in project right for corporate or fundations support with distance of this signif professional bring your questions to NAAES sign up at the hormation Stafon engured. Presenter 13: Lea Harvey, LHE Strategy Advisors, LLC Strand en Units.

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# Thursday 4:00 PM

Strand:

Roundtable Discussions 2:15 PM–2:55 PM, Thoroughbred 1

NAAEE Fundraising Coaching

# Symposium 4:00 PM-5:30 PM

4:00 PM-5:30 PM Best Practices for Engaging Young People in Environmental Citizenship House Paratices enable young people to step into roles of leadership in environmental problem solving? Learn about outcomes from curricula that helpest suders to their practice functional conservative state, educate local officials about marine debris, and design environmental service projects for their underrepresented community. Present(s): DanlefsLofs Environmental Protection State University and DeBrutes In Young Area Modernotor: Louise Chawla, University of Colorado-Boulder Boulder Strand: 🗢 🛟

# Hands-On Presentations 4:00 PM-5:30 PM

Conservation Strand:

4:00 PM-5:30 PM Building organizational capacity for Improvement 4:00 PM-5:30 PM. Heritage ballioom 2. Improving organizations is a surprisingly challenging undertaking, Even when we know what we want to be different it can be immensely difficult to implement the change we seek. This workshop outlines a process for organization leaders to "get better at getting better" by systematically assessing seven research-bused capacities for improvement. Science, Emile Lygren, BEETLES Project, Lawrence Hail of Science Hall of Science Strand: ●

Strant: 
Cubivating Cutdoor Leadership Through Storytelling: 
A Relational Public Narrative Introduction
A Board and A Start Story A Storytelling: 
A Comparison of the A Storytelling: 
A Storytelling: 
A Storytelling: 
Cutor Capacities for connection with narratives and sender
diverse voices. Participants will learn and practice
identifying and interrupting harmful narratives and
replacing them with values-driven leadership stories
that fosts healty group cutures and support work
across boundaries of racial, economic, gender/
sexually, and power disparities.
Presenterly: Darne Gruetze, The Student
Conservation Association

Hands-On Presentations 2:15 PM-3:45 PM

Afflate Network Open Space 215 PM-345 PM, Hyatt Suites (join Affliate leaders to discuss the challenges and successes that are most important to your Affliate. In this open space assion, you will have the opportunity to suggest and manage conversation topics and working sessions to arisver the question, How can we built the capacity of Affliate organizations?" Strants @ Q:

Strant: ● ● ● ■ Bending Knowledge: Broadening Our Perspectives on Science Learning 2:15 PM-3:45 PM, Heritage Ballroom 2 Making well-informed, veldenc-based decisions to protect our coastal ecosystems relies on us being able to understand, apprecide, and use many types, of moving a simulation of the simulation of

Equitable and Inclusive Teaching In Practice 215 PM-364 PM, Regency Ballorison 1 Many educators want their teaching to be equitable, inclusive, and culturally responsive, but what does that look like? Well model an engaging activity, environmental education. Presenter, and discuss how the approaches can be woren throughout environmental education. Presenter(s): Emile Lygren, BEETLES Project. Lawrence Karl Science, Jedda Foreman, Lawrence Strand-et

Strand: From Womb to Tomb: Promoting Green Burials for Conservation and Education Table 4 Green burial (or natural burial) can reduce greenhouse gas emissions and other toxins, protect land as a conservation strategy, and promote a connection to the earth for the living: Environmental educators can work in communities to help people explore more sustanable and affordable choices Presenter(s): Mallony McDuff, Warren Wilson College Strand:

Engaging Underrepresented Communities Through the National Geographic Geo-Inquiry Process 400 PM-530 PM, Regency Baltroem 3 National Geographic Invites you to explore motive explorers and become advocates for change in their communities and beyond through an integrated, project-based, critical thinking siteli-in-action process. Participantis will engage in the process and process. Participantis will engage in the process and Presenter(51: Sprid Geory, National Geographic Society Wary Ford, National Geographic Society Strand: •

# Mary Ford, Strand: •

Strait. Larm About NAAEE's New EE Senhaldon Portall Add DNA-Sd) PAR. Thuroughland Al Med Net Alexan Mentfat, poor guide on your EE evaluation journey NAAEE, with Duke University, is developing the online EE shallands hortal, which will include resources to help practitioners, funders, evaluators, and researchers learn to improve their EE programs, Well share thoughts on how this resource might be used, and write eager to have what yourd Presenters): Chaldrate Chrk, Duke University, Noelle Wyman Roth, Duke University, Ed DeNatta, Duke University; Bill Finnegan, Tamarack Media Strait. Strand:

Strant: O Moving Participants up the Power Ladder: Community Ingagement and Ef 400 PM-530 PR. Regency Balforom 1 Inclusive El involves meeting people where the yare, but working with communities can be tough due to tworking with community and the tough due to tworking with community and the community and the Center made a shift from service provider to community participants of the community engagement efforts. Practice strategies to strengthen your organization's connection to the community. Practice (Cardy Hintz, Riveredge Nature Center Strate)

Strand: 

Resource Watch: Exploring Real-World Data in the Classroom and Beyond 4:00 PM-530 PM, Regency Ballroom 2 Resource Watch is an open data library featuring 250<sup>4</sup> data sets on climate change, energy, water, 250<sup>4</sup> data sets on climate change, energy, water, Come view a demo of the platform and learn how Resource Watch and NAAEE partnered to leverage real-world data for environmental education in the classroom. Presentrejs: Corey Filault, VRI Strand:

ditional Presentations 4:00 PM-4:40 PM

4:00 PM-4:40 PM Creating a Framework to Assess Student Environmental Literacy 4:00 PM-4:40 PM, Berea Learn how a collaboration glinear in a blangmit to develop a tool to assess K-12 student environment literacy. Consider to Mars and Argorizes and assessment might impact your own organization, resenteracy joannes Selverantin, RESK Kelly Shea, Audubor, Jennifer Klein, Mass Audubor, Armanda Sebert Pervisione, Estisemic Analytics Strand. ● Cellurad Mars Analytics

Strand: Cutural Worldview and Gender Disparties in Undergraduate Climate Science Monoceptions Undergraduate Climate Science Monoceptions This session explores the relationship between outural worldview and the occurrence of climate science misconceptions among undergraduates. Exablishing alink between cultural cognition theo and conceptual charge theory helps practitiones in conceptual charge theory helps practitiones in conceptual charge theory helps motivated reasoning. Gender disparties in climate science knowledge are revealed among undergraduates. Present(cs) Jennifer da Rosa, Johns Hopkins University University Strand:

Strant: • EPA Environmental Education Grants Program 400 PM-440 PM. Thoroughbred 2 US EPAS Environmental Education Grants Program seeks proposals from elipible applicants to support Ep rojects that promote environmental awareness and stewardship and hølg provide people with the knowledge and skills to take responsible actions overview of the program and information on applying for grants. Presenter(s): Ginger Potter, US EPA Strand: •



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