

The Powerful Connection Between Education, Climate, and Justice: Town Hall Webinar

September 22, 2021

Link to the recording: <https://youtu.be/bDFIHhfytzE>

eePRO post: <https://naaee.org/eeopro/learning/webinars/powerful-connection-between-education>

Additional Links:

- <https://www.k12climateaction.org/img/K12-ClimateActionPlan-Complete-Screen.pdf>
- <https://www.climateedpolicy.org>
- <https://naaee.org/eeopro/groups/advocacy-policy-and-civic-engagement>
- <https://www.brookings.edu/research/a-new-green-learning-agenda-approaches-to-quality-education-for-climate-action/>
- <https://www.brookings.edu/research/unleashing-the-creativity-of-teachers-and-students-to-combat-climate-change-an-opportunity-for-global-leadership/>

Speakers:

- **Washington State Governor Jay Inslee**
- **Dr. Christina Kwauk**; Brookings Institute
- **Frank Niepold**; Senior Climate Education Coordinator at NOAA and Action for Climate Empowerment National Focal Point for the United States
- **Dr. Laura Schifter**; lecturer on education with the Harvard Graduate School of Education and a Senior Fellow with the Aspen Institute leading the K12 Climate Action initiative

Moderated by José González

Highlights of the chat transcript:

Welcome!

- **Share your name, affiliation, and where you're calling in from in the chat.**

- From Josh Sendejar to Host and Panelists:
 - Josh Sendejar - Texas Water Development Board; Austin, TX
- From Karolyn Burns to Host and Panelists:
 - Karolyn Burns, The CLEO Institute. Tallahassee FL office
- From Jihan Grettenberger to Everyone:
 - Hello! Jihan with LOTT Clean Water Alliance in Olympia, Washington
- From Laura Schifter to Everyone:
 - Hi Everyone! Laura Schifter, K12 Climate Action
- From Jenna Kallestad to Everyone:
 - Hi All, Jenna from Columbia Springs in Vancouver WA!
- From Pauline Schafer to Everyone:
 - Pauline Schafer, REACH Museum in Richland, WA
- From Lorianne Donovan to Everyone:
 - Lorianne Donovan Educational service District Washington State
- From ALISON LOUKEH to Everyone:
 - Alison Loukeh, southern California
- From Josh Ruddick to Host and Panelists:
 - Josh Ruddick AZ Project WET, Tucson Arizona.
- From Sean Lundblad to Everyone:
 - Sean Lundblad; Washington State Department of Ecology, Air Quality Program
- From Gail Kramer to Everyone:
 - Gail, with Pacific Education Institute, Olympia.
- From Janice Elvidge to Everyone:
 - Janice, NPS Lake Roosevelt NRA, Coulee Dam, WA
- From Kate Goss to Host and Panelists:
 - Kate Goss with Preston-Werner Ventures from Colorado
- From Denise Buck to Everyone:
 - Hello, Denise with Pacific Education Institute WA!
- From Donna Volkmann to Everyone:
 - Hi! Donna Volkmann with Get2Green at Fairfax County Public Schools in Virginia
- From Louise Prescott to Everyone:
 - Hi! Louise at the California Academy of Sciences, in San Francisco, CA
- From Kari Elling to Everyone:

- Kari Ann Elling, Pierce County Environmental Educator
- From John Olson to Everyone:
 - John Olson, Metropolitan State Univ. Minnesota
- From Emily Flaherty to Host and Panelists:
 - Emily Flaherty; Salem Sound Coastwatch, Salem MA
- From Eric Rensel to Host and Panelists:
 - Eric Rensel Penfield, PA
- From Caroline Mellor to Everyone:
 - Hello - Caroline Mellor, WA Dept of Ecology
- From nancy lui to Everyone:
 - Hi, Nancy with Ecology in Seattle
- From Emily Volz to Host and Panelists:
 - Hello Emily Volz from NatureBridge Olympic National Park
- From Laura Tucker to Host and Panelists:
 - Hello! Laura Tucker here. Another Inslee fan from WA; Jefferson County Climate Action Committee
- From Anita Grove to Everyone:
 - Anita Grove, Apalachicola National Estuarine Research Reserve in Apalachicola. Florida
- From LaTrina Antoine to Everyone:
 - LaTrina Antoine, D.C. Witness (Washington, DC)
- From William Spitzer to Host and Panelists:
 - Hi! Billy Spitzer from the Hitchcock Center for the Environment in Amherst, Mass, and part of the CLEAN network, and Coalition for Climate Education Policy.
- From Nigora Erkaeva to Host and Panelists:
 - Nigora Erkaeva, zooming in from Michigan, I am an education specialist for the Southeast Michigan Stewardship Coalition (SEMIS).
- From Andrew Wineke to Everyone:
 - Hello, I'm Andy Wineke with the Department of Ecology's Air Quality Program, joining from University Place, Wash.
- From Sierra Rotakhina to Everyone:
 - Sierra Rotakhina, Auburn WA, Washington State Department of Health
- From Jessica Monaghan to Host and Panelists:
 - Greetings from NJ! Jess- from Teacher Preparation at Princeton University.
- From Nicole Avendaño to Everyone:
 - Pierce County, WA (land of Puyallup, Nisqually, Squaxin Island, & Muckleshoot people)

- From Leah Higgins to Everyone:
 - Leah Higgins, Huron Pines AmeriCorps Member, MI
- From Chris Crosgrove (captioner, he, him) to Host and Panelists:
 - Lincoln, NE
- From Heather Bearnes-Loza to Everyone:
 - Hi al! Heather Bearnes-Loza, Department of Ecology, Seattle, WA
- From BRYN WELLER to Host and Panelists:
 - Bryn Weller, from Bryn Weller (Conservation) Photography in Newport, KY/Cincinnati, OH
- From Erica Meier to Everyone:
 - Hello! Erica Meier calling in from Asheville, NC (Cherokee land). Graduate research assistant at Clemson focused on civic engagement in environmental education.
- From Ian Kindle to Everyone:
 - Ian Kindle, Easton PA, Eastern region Pennsylvania State Parks
- From Sandy Scholar to Host and Panelists:
 - Sandy Scholar, Rockwood, ME — a friend of Krishna Roy's
- From Deb Morrison to Everyone:
 - Deb L Morrison, University of Washington. www.debmorrison.me, www.climetime.org
- From Ana Salgado to Host and Panelists:
 - Florida, marine science educator
- From Katie Vincent to Everyone:
 - Hello from Municipal Water District of Orange County California
- From SUVANKAR DEY to Everyone:
 - Hi....I'm Suvankar Dey from Kolkata, India.
- From Sonja Gomez to Everyone:
 - Hi! Sonja Gomez with East Bay Regional Park District, Fremont, CA
- From Claudia Pineda Tibbs (they/them/elle) to Everyone:
 - ¡Hola! Claudia Pineda Tibbs with Monterey Bay Aquarium in Monterey, California.
- From Elizabeth Crawford to Host and Panelists:
 - Hi from Wilmington, NC :)
- From Manuela Mejia to Everyone:
 - Manuela Mejia (Boulder, CO)
 - University of Colorado Boulder (employee)
 - Miami University (Master's student)
- From Sarah Johnson to Everyone:
 - Sarah Johnson in Carbondale, Colorado

- From Tami Neilson to Everyone:
 - Tami Neilson, WA State Department of Ecology
- From Will Parish to Host and Panelists:
 - Hi Governor Inslee! I still remember our great convo re CA and Enviro Lit during the 2018 Global Climate Summit in SF!
- From Carter McBride to Host and Panelists:
 - Carter McBride - Land of the Methow, WA. North Cascades Institute - Twisp, WA
- From Michelle Tucker to Everyone:
 - Hello - Michelle Tucker from EPA R10 in Seattle
- From Hannah Cooke to Host and Panelists:
 - Hannah Cooke; PhD students at University of Connecticut, studying Science Education; former high school environment sci teacher
- From Maggie Allen to Everyone:
 - Hi, this is Maggie Allen from NOAA's Office of Education (based in the DC area or the traditional lands of the Piscataway)
- From T'Noya Thompson to Host and Panelists:
 - Hi everyone! T'Noya Thompson, NAAEE. Houston TX
- From Laura Tyler to Host and Panelists:
 - Laura T
- From Estrella Risinger to Host and Panelists:
 - Estrella Risinger (Association for Environmental & Outdoor Education, AEOE) joining from Oakland, CA - ancestral territory of Chochenyo Ohlone
- From Bart Merrick to Everyone:
 - Bart Merrick - NOAA Chesapeake Bay Office - Easton MD
- From Betty Olivolo to Everyone:
 - Betty O, NAAEE, Kittery, ME
- From Leslie Grove to Host and Panelists:
 - Leslie Grove, Hagerman Fossil Beds National Monument (Hagerman, Idaho)
- From Staci Wong to Everyone:
 - Staci Wong from the Aquarium of the Pacific in Long Beach, CA
- From Elise Trelegan to Host and Panelists:
 - Elise Trelegan, NOAA Chesapeake Bay Office, calling in from Salisbury MD (Nanticoke land)
- From Anne Umali, NAAEE (she/her) to Everyone:
 - Hello! Anne joining from Arlington, VA, NAAEE :)
- From Elizabeth Schmitz to Everyone:

- Elizabeth Schmitz, Environmental and Sustainability Education Program Supervisor at WA OSPI. Joining from Olympia, WA
- From Krishna K. Roy to Host and Panelists:
 - Greetings and thank you Governor Inslee! Cheers, Krishna Roy
- From Rich Preyer to Everyone:
 - Hi, this is Rich Preyer, NC Arboretum in Asheville NC
- From Stephanie Bishop to Everyone:
 - Stephanie Bishop, South Sound GREEN Program, Olympia, WA
- From Angie Fritz to Everyone:
 - Angie Fritz, Washington Dept. of Ecology, Communication and public engagement
- From Emily Fano to Host and Panelists:
 - Hi - Emily Fano, National Wildlife Federation in New York City!
- From Chris Metropolis to Host and Panelists:
 - Chris Metropolis, EcoSchools at the Toronto District School Board
- From Tracey Ritchie to Everyone:
 - Hello to this INCREDIBLE panel! Tracey Ritchie, VP of Education and Engagement for National Park Foundation based in DC
- From Gabi Esparza to Everyone:
 - Gabi, Seattle Aquarium, Newcastle, WA
- From Lara Tukarski to Everyone:
 - Lara Tukarski--Olympia, WA. I am the South Sound FieldSTEM Coordinator for the Pacific Education Institute here in Oly.
- From Tim Zimmerman to Host and Panelists:
 - Tim Zimmerman, NOAA OEd (but in MA)
- From Debra Moniz to Everyone:
 - Debra from Cedar Tree Foundation in Boston, hello !!
- From Ian Fawley to Everyone:
 - Hi! Ian Fawley - Washington State Department of Ecology, Toxics Cleanup Program Outreach, Bellingham
- From Hannah Newell to Host and Panelists:
 - Hannah Newell, Whatcom Coalition for Environmental Education, located in Whatcom County, ancestral territory of lummi and nooksack people
- From Joni Roberts to Host and Panelists:
 - Hello, I am the founder of Evolution University and creator of a new and exciting EVOLVE Sustainability Framework. Let's connect.
<https://www.evolution.university/> and

<https://www.linkedin.com/in/joniroberts/> and based in Jacksonville,
Florida

- From John-Michael Bloomquist to Everyone:
 - Hello! This is John-Michael (J-M), I'm with NOAA in DC
- From Larissa Johnson to Everyone:
 - Calling in from the Piscataway lands in Rockville, Maryland -
Department of Environmental Protection
- From BRYN WELLER to Host and Panelists:
 - What's the name of the book?
- From Anne Umali, NAAEE (she/her):
 - All We Can Save, edited by Ayana Elizabeth Johnson & Katherine K
Wilkinson
- From Angie Sagliani to Everyone:
 - Hello! Greetings from Chumash land in Ventura CA
- From Laura Tyler to Host and Panelists:
 - Laura Tyler School Specialist EarthGen, Washington State
- From Marie Noel to Everyone:
 - Marie from Greensboro, NC, non-formal educator. Hi all!
- From Priscilla Brotherton to Host and Panelists:
 - Priscilla B - Bellingham Washington - RE Sources - Sustainable Schools
- From Hanae Bettencourt to Everyone:
 - Hanae, Education Manager at Seattle Audubon
- From Carter McBride to Host and Panelists:
 - What's up Jose!!! Great to see you.
- From Nimrat Obhi to Host and Panelists:
 - Nimrat Obhi, Beyond Benign, I am personally calling from the
traditional lands of Algonquin Anishinaabe (Ottawa, Canada)
- From CARRIE Roach to Everyone:
 - Lands of the Tequesta, SEFL, Everglades Watershed, Climate Justice
Chaplain
- From Ashley James to Everyone:
 - Ashley James from NYC-Environmental Health Coordinator at WE ACT
- From SUVANKAR DEY to Everyone:
 - I'm Suvankar Dey from India
- From Gretchen Pflueger to Host and Panelists:
 - Gretchen Pflueger, Bellingham Public Schools Grant Writer and board
member for Wild Whatcom, a local nonprofit focused on
environmental edu and stewardship.
- From Angie Sagliani to Everyone:

- I'm a humane educator
- From Mikaela Montanari to Everyone:
 - Mikaela Montanari- Snohomish Conservation District
- From Laura Tyler to Host and Panelists:
 - Duwamish
- From Alessandro Molina to Everyone:
 - Alessandro Molina - EPA Region 10. Currently in Carbondale, CO and I see I'm not the only one!
- From Janice Elvidge to Everyone:
 - Janice, also The River Mile Network, Columbia River Watershed network for educators and scientists. therivermile.org
- From Amy Rusev Dawley to Host and Panelists:
 - Amy Dawley in Spokane, WA (working on climate science curriculum with Braided Education)
- From martha Brady to Everyone:
 - Martha Brady, Global Health Consultant, NYC
- From Frank Niepold, NOAA Climate to Host and Panelists:
 - Hi, Frank Niepold, NOAA senior climate education program manager, coordinator and Action for Climate Empowerment National Focal Point for the United States.
- From Kristin TePas to Everyone:
 - Good afternoon! Kristin TePas, IL-IN Sea Grant
- From Eric Havel to Host and Panelists:
 - Eric Havel, Community Resources for Science / Climate Science Educator, Oakland, CA - Ohlone Lands
- From Suzanne Hebert to Everyone:
 - Hello! Suzanne Hebert from the Water Resources Education Center in Vancouver, WA.
- From Bridget Cervero to Everyone:
 - Bridget Cervero- The Maritime Aquarium, Norwalk, CT
- From Julia Berg to Everyone:
 - Good Morning! My name is Julia Berg, and I am the Director of Education at the Foss Waterway Seaport in Tacoma.
- From Becky Bronstein to Host and Panelists:
 - Becky Bronstein, EarthGen, Seattle
- From Will Parish to Host and Panelists:
 - I'm with Ten Strands in San Francisco. Non profit tugboat working the supertanker of public education in CA helping maneuver the super

tanker of public education toward the bountiful waters of environment literacy.

- From Ellianna McLaughlin to Host and Panelists:
 - Ellianna, AmeriCorps, Asheville, NC
- From Sarah Bodor (she/her) to Everyone:
 - All We Can Save is the book Judy just referenced.
- From Kelley Le to Host and Panelists:
 - Hi Everyone! Kelley Le here from the UCI Science Project, CA
- From Tyra Brown to Host and Panelists:
 - Tyra Brown, Associate Dean, NH
- From Maureen Ferry to Host and Panelists:
 - hello happy to join! Maureen Ferry in Houston, Engaging Youth with the Built Environment through HouseStories!
- From Will Freund to Everyone:
 - Will Freund, Environmental Educators of North Carolina, Outer Banks North Carolina
- From Jothsna Harris to Host and Panelists:
 - Jothsna Harris with Climate Generation: A Will Steger Legacy, joining from Minneapolis.
- From Stacey Luhring to Everyone:
 - Stacey Luhring, Point Defiance Zoo & Aquarium, Tacoma WA
- From Rainy Rau to Everyone:
 - Rainy Rau, Student Watershed Monitoring Network in Clark County, WA!
- From Julia Babbitt to Everyone:
 - Hello! Julia Babbitt from the Eastern Shore Land Conservancy
- From Crystal Wulff (she/her) to Everyone:
 - Crystal Wulff- STEM TOSA, Evergreen SD Vancouver WA
- From Seyma Yener to Everyone:
 - Hi, this is Seyma Yener from Istanbul, Turkey. I am a TF at Ibn Haldun University
- From Daria Christian to Everyone:
 - Daria Christian, Richmond, Virginia (traditional lands of the Monacan)
- From Karen Thomas to Host and Panelists:
 - Karen Thomas, The Wild Center
- From Beck Pittman to Host and Panelists:
 - Hello, Beck Pittman, Friends of the Forest (Anacortes)
- From Hannah Cooke to Everyone:

- Hannah Cooke; PhD student and research assistant at the University of Connecticut, studying Science Ed
- From Brian Keller Heger to Host and Panelists:
 - Good morning! Brian Heger from Green Guardians in Oakland, CA.
- From Stacy Polkowske to Everyone:
 - Stacy Polkowske, WA Department of Ecology
- From Chirlie Felix to Everyone:
 - Chirlie Felix, Teach For All, located in New York
- From Deb Morrison to Everyone:
 - www.allwecansave.earth for work by Ayana and so many others
- From Frank Niepold, NOAA Climate to Everyone:
 - Hi, Frank Niepold, NOAA senior climate education program manager, coordinator and Action for Climate Empowerment National Focal Point for the United States. I am coming to you all from Maryland.
- From Cristina Vila Ruiz to Host and Panelists:
 - Hi, I am Cristina, Bi-lingual Garden Educator & Operations Specialist, from Ramaytush Ohlone land aka San Francisco
- From Anne Henderson to Everyone:
 - Anne Henderson - FAU Pine Jog in South Florida
- From Angie Fritz to Everyone:
 - Love the penguins
- From Molly Rooke to Host and Panelists:
 - Molly Rooke. Greening Dallas ISD.
- From Emily Volz to Everyone:
 - Hello, Emily Volz joining in from NatureBridge Olympic National Park-current and traditional lands of the Klallam people.
- From jamie lankenau to Host and Panelists:
 - Hello! Jamie Lynn-community outreach and education at Jacksonville zoo and gardens!
- From Lauren Iversen to Everyone:
 - Lauren Iversen; Education landscape designer, Seattle WA
- From Crystal Wulff (she/her) to Everyone:
 - Hi there Clark county neighbors!
- From Julie Stone to Host and Panelists:
 - Julie Stone, North Cascades Institute. In Concrete, WA, lands of the Upper Skagit, Sauk-Suiattle among others
- From Holly Duskin to Everyone:
 - Hello, I'm Holly Duskin from Pacific Science Center in Seattle!
- From Melinda Higgins to Host and Panelists:

- Melinda Higgins, support Office of Nuclear Energy at the US Department of Energy in Washington, DC
- From Elisa Rudolph to Everyone:
 - Elisa, NAAEE, Chicago!
- From Deb Morrison to Everyone:
 - Wwww.climetime.org
- From SUVANKAR DEY to Everyone:
 - Suvankar Dey - Kolkata, India
- From Jen Kretser to Everyone:
 - Hi - This is Jen Kretser at The Wild Center in northern NYS
- From Will Parish to Everyone:
 - I'm with Ten Strands in San Francisco, non profit tugboat maneuvering with the supertanker of CA public education and many partners toward the bountiful waters of environmental literacy.
- From Eileen Boekestein to Everyone:
 - Hi all, Eileen Boekestein with the Lower Grand River Organization of Watersheds in West Michigan. We're doing a lot of work around climate resiliency education right now so this is such a timely topic for me!
- From Derek Hoshiko to Everyone:
 - Derek Hoshiko, occupied Snohomish territory, Whidbey Island, WA
- From Sam Bower to Host and Panelists:
 - Sam from NAAEE joining from Chicago!
- From Sarah Schoedinger to Everyone:
 - Sarah Schoedinger from NOAA's Office of Education
- From Emily Horton to Everyone:
 - Emily Horton, Equity and Environmental Justice Consultant representing Safer Products for Washington and Washington State Department of Health. Thank you all!
- From Kirk Beckendorf to Everyone:
 - Kirk Beckendorf- Cascadia Conservation District- Leavenworth, WA
- From Joni Roberts to Everyone:
 - Hello, I am the founder of Evolution University and creator of a new and exciting EVOLVE Sustainability Framework. Let's connect.
<https://www.evolution.university/> and
<https://www.linkedin.com/in/joniroberts/> — based in Jacksonville, Florida
- From Carter McBride to Host and Panelists:
 - Much gratitude Jose for representing...

- From Deb Morrison to Host and Panelists:
 - Deb L Morrison, University of Washington, gratefully living and working on WSANEC territory, www.debmorrison.me, www.climetime.org
- From Carter McBride to Everyone:
 - Much gratitude Jose for representing!
- From CARRIE Roach to Everyone:
 - So wonderful to have the opportunity to hear your framing, Jose.
- From Deb Morrison to Everyone:
 - Deb L Morrison, University of Washington, gratefully living and working in WSANEC territory, www.debmorrison.me, www.climetime.org
- From Claire Fackler to Everyone:
 - Claire Fackler from NOAA's Office of National Marine Sanctuaries
- From Elizabeth Schmitz to Everyone:
 - Climate science educational modules, including climate justice resources, produced by ClimeTime grantees are available online at the Washington Hub of the Open Educational Resources Commons, at <https://www.oercommons.org/groups/climetime/4081/>
- From Maria Hart to Everyone:
 - Maria Viteri Hart, founder Embed Climate.
- From Ellen Ebert to Everyone:
 - Ellen Ebert, Science/Secondary Education Office of the Superintendent of Public Instruction, Olympia, WA
- From Deb Morrison to Everyone:
 - Chris Cameron, Scientist and Climate Advisor, CLEAR Environmental, clearenvironmental.org, <http://clearenvironmental.org/>, working and living on traditional WSÁNEĆ territory
- From Sarah Johnson to Host and Panelists:
 - Governor Inslee - how are governors across America leveraging their leadership positions to demand equitable climate education legislation for ALL American people? I would imagine if governors come together from across the country there is collective power to demand change through federal climate change education legislation.
- From Christy Merrick to Everyone:
 - Thank you Gov Inslee for your state's leadership in outdoor learning, including for preschoolers!
- From Lisa Yeager to Everyone:
 - No exploding mountains - kudos! :)
- From Will Parish to Host and Panelists:

- So great to have gotten 20% of students outside! Can you say more about the support (or challenges) to the support in the WA legislature and prospects of getting to 100% of the students?
- From Elizabeth Schmitz to Everyone:
 - State of Play report by the Aspen Institute points to lack of equity to outdoor spaces in King County/Seattle:
<https://www.aspenprojectplay.org/communities/seattle-king-county>
- From Eileen Boekestein to Host and Panelists:
 - I would love to hear more about how the state of WA was able to get that appropriation for every student having an outdoor experience in place. What an amazing resource for educators there!
- From Deb Morrison to Everyone:
 - One of the several WA efforts is [www.climetime](http://www.climetime.org), another is the emerging Climate Teacher Education Collective (preservice teacher Ed)
- From Hannah Cooke to Everyone:
 - We also need to decolonize our framing of the environment being “out there” away from the inner city. We need to remember that the carbon and water cycles still exist in urban areas.
- From Larissa Johnson to Everyone:
 - Agree Hannah...
- From Nigora Erkaeva to Everyone:
 - Yes Hannah and it needs to be done not in our education but in our own thinking and actions too.
- From Will Parish to Host and Panelists:
 - Are you working with Gov Newsom in CA to inspire him with enviro literacy education?
- From Ian Kindle to Everyone:
 - Any suggestions for getting other states to follow WA's guidance in getting environmental opportunities for students included in the curriculum and standards? Seems like things have been headed the wrong direction in many states since No Child Left Behind.
- From Deb Morrison to Everyone:
 - The Council of State Science Supervisors also shares emerging learning in all areas of science learning.
- From Maureen Ferry to Host and Panelists:
 - Better designed built environments which connect us to our surrounding nature!
- From Judy Braus (she, her) to Everyone:

- We will make sure everyone gets a copy of the chat so that you will get any resources that people are posting. Thanks for the great questions.
- From Gabi Esparza to Everyone:
 - Hello!
 - How will we educate students about the broken treaties with Indigenous Indian Americans who stewarded the before us? How can we give land back to them and reconcile?
 - How do we educate students about activism and grassroots movements?
 - What are we doing to create more accessible green and blue spaces for Black and Brown people without policing them?
- From Sarah Bodor (she/her) to Everyone:
 - I love that...Super Nationals!
- From Beck Pittman to Host and Panelists:
 - With retrofitting school buildings for earthquake safety, air filtration, lead pipes, etc., it seems like a great opportunity for school buildings to become even greener. Are there any plans in WA like this?
- From Elizabeth Schmitz to Everyone:
 - Thank you, Governor Inslee! Washington also recently began licensing outdoor preschools, which is an equity move in that it allows more families access to subsidized outdoor learning for our youngest learners. <https://dcyf.wa.gov/news/dcyf-begins-licensing-outdoor-preschools>
- From Elizabeth Soper to Everyone:
 - Climate Education is often left out of climate solutions. We need to find more ways to engage and expand Climate Education in other states and support the funding at state and federal levels. Folks may agree its important, but funding is often way below what it should be. How is WA funding this?
- From Emily Horton to Everyone:
 - Thank you Governor Inslee and thank you to all the educators and others on this call working to address the climate crisis in your unique ways and regions.
- From Jessica Mkitarian to Host and Panelists:
 - @Gabi Esparza yes +1
- From Anne Henderson to Everyone:
 - What do you suggest we do to motivate Governors in other, less climate friendly states to pay attention to this issue?
- From Elizabeth Crawford to Everyone:

- AimHi is offering a climate change course for everyone now (<https://www.aimhi.earth/climate-course>) and UNESCO MGIEP has a course for MG educators and students that is asynchronous and free: <https://mgiep.unesco.org/course-climate-change>. I recommend both.
- From Seaberry Nachbar to Everyone:
 - Has your state made any effort to provide carbon offsets for state travel? I work for the Federal government and we are pushing our NOAA leadership to ensure that all Federal travel is offset or done remotely.
- From Carter McBride to Everyone:
 - The governor is speaking truth here.
- From Jessica Mkitarian to Host and Panelists:
 - Does Washington fund programs to get students who live in cities to outdoor spaces?
- From Nicole Avendaño to Host and Panelists:
 - I agree with you that outdoor schools are important and valuable. But being an environmentalist isn't just about spending time in the 'great outdoors'. Environment encompasses where we work, live, play. How are you ensuring that these lived experiences are put and maintained at the forefront of climate and environmental justice?
- From Joni Roberts to Everyone:
 - Thanks for sharing these courses, Elizabeth. I would like to share my free course: MOREcompassion for people and the planet, for advanced teens and adults of all ages. Free to everyone, everywhere!
<https://www.evolution.university/course/morecompassion>
- From Leah Higgins to Everyone:
 - Considering the distribution of political and social power is not concentrated in k-12 students, what efforts can be taken at the state level to promote adult's climate literacy, and emotional connections to their particular ecosystem?
- From Deb Morrison to Everyone:
 - In terms of solution centered climate learning we need to resource educators eg www.stemteachingtools.org/brief/68
- From Hannah Newell to Host and Panelists:
 - How are you supporting public schools in connecting with community based organizations who have been filling in the gap of climate literacy for K-12?
- From Kelley Le to Host and Panelists:

- Hi All, I'm proud to share about my new book that Frank Niepold wrote the Foreword for as well =). Check it out - Teaching Climate Change Grades 6-12...
https://www.amazon.com/gp/product/0367752336?pf_rd_r=HAR4CAJQN9XG7M37RQPE&pf_rd_p=8fe9b1d0-f378-4356-8bb8-cada7525eadd&pd_rd_r=255a0c8c-7137-4dae-a66a-53073cf661e7&pd_rd_w=BlZgT&pd_rd_wg=C9yGS&ref_=pd_gw_unk
- From Hannah Cooke to Everyone:
 - @Deb are you the Deb Morrison who works with Phil Bell?
- From Emily Fano to Everyone:
 - The Climate and Resilience Education Task Force in NYC that includes a Youth Steering Committee, co-led by WE ACT for Environmental Justice and National Wildlife Federation, and whose members include people on this panel, is working to expand access to climate education in New York State: www.cretf.org. We're happy to connect with others across the U.S. working on the same goal!
- From Deb Morrison to Everyone:
 - ACE Action for Climate Empowerment.... www.aceframework.us
- From Deb Morrison to Everyone:
 - @Hannah, Yes I'm that Deb L Morrison
- From Kelley Le to Host and Panelists:
 - We also have a PD series beginning November by the CA Science Project to launch the Educators Network for Climate and Environmental Action (ENCEA). Looking forward to connecting with more of you then - <https://scienceproject.cfep.uci.edu/encea/>
- From Kelley Le to Host and Panelists:
 - @Deb - Great seeing you again here =)! I can't believe it's been SO long since ECCLPs. Hope all is well!
- From Kim Vaughn to Everyone:
 - What is being done to educate rural residents, and adults?
- From SUVANKAR DEY to Host and Panelists:
 - Thank you, Governor Inslee. I'm Suvankar Dey from Kolkata, India. My question to you is that what are your views on Domestic Climate Laws and its modification in recent era?
- From Deb Morrison to Everyone:
 - And we are GREATLY appreciative of the Governor and Washington legislators to provide state funding to support teacher learning
- From Deb Morrison to Everyone:
 - Www.climetime.org

- From Olivia Griset to Everyone:
 - @ Emily we are working on climate education legislation now in Maine also with a youth-led effort modeled off of ClimeTime at our Nature Based Education Consortium. I would love to connect Olivia@meeassociation.org to learn and share!
- From Elizabeth Schmitz to Host and Panelists:
 - The revised Washington Environmental and Sustainability Literacy Plan will roll out in November. We have an unannounced \$1 million from OSPI ESSER funds to pilot implementation of the literacy plan.
- From Kari Elling to Everyone:
 - @ Kim check out the Rural Climate Dialogues project: <https://piercecd.org/604/Rural-Climate-Dialogues>
- From Jessica Monaghan to Host and Panelists:
 - Yes- many isolated efforts!
- From Emily Fano to Everyone:
 - @Olivia! Will connect! I'm at fanoe@nwf.org.
- From David Blockstein to Everyone:
 - We invite everyone "here" to participate in the Worldwide Teach-in on Climate and Justice Match 30 2022. www.worldwideteachin.org
SolveClimate2030@gmail.com
- From Allen Brown to Host and Panelists:
 - Climate Action Pathways for Schools (CAPS) is a nonprofit organization that partners with under-resourced schools to implement projects to reduce greenhouse gas emissions, while providing inspiring climate education. CAPS develops project-based learning programs, employing students to develop projects that mitigate climate change while training them for highly skilled career pathways and cultivating the next generation of climate leaders.
https://www.youtube.com/watch?v=rU_1TBjFFw
- From Deb Morrison to Everyone:
 - Emerging Climate Justice Solutions Network may offer some potential
- From Judy Braus (she, her) to Everyone:
 - Love doing a forum with the National Governor's Association! :-) Go Gov. Inslee and Frank!
- From Kelley Le to Everyone:
 - Hi All, I'm proud to share about my new book that Frank Niepold wrote the Foreword for as well =). Check it out - Teaching Climate Change Grades 6-12...
https://www.amazon.com/gp/product/0367752336?pf_rd_r=D35J8BD8

[87V6CKABAHCV&pf_rd_p=8fe9b1d0-f378-4356-8bb8-cada7525eadd&pd_rd_r=4d723bb7-1593-44cc-aff6-a94655149b47&pd_rd_w=fmtZQ&pd_rd_wg=7xjBs&ref=ped_gw_unk](https://www.naaeee.org/87V6CKABAHCV&pf_rd_p=8fe9b1d0-f378-4356-8bb8-cada7525eadd&pd_rd_r=4d723bb7-1593-44cc-aff6-a94655149b47&pd_rd_w=fmtZQ&pd_rd_wg=7xjBs&ref=ped_gw_unk)

- From Sarah Johnson to Everyone:
 - Frank - great question; Gov. Inslee - awesome idea to work with Governor's Association
- From Maria Hart to Everyone:
 - If anyone is working in the workforce development space, please contact me info@embedclimate.com
- From Manuela Mejia to Everyone:
 - How are we promoting and supporting STEM/STEAM education work amongst our graduating higher education students that are underrepresented and haven't had the same exposure to experiences as well represented students? In other words, how are we promoting/supporting job market equity when previous experiences are not equal?
- From Carter McBride to Everyone:
 - Heard that Dr. Kwauk.
- From Deb Morrison to Everyone:
 - Yes you do!
- From Deb Morrison to Everyone:
 - Structural change.
- From Beck Pittman to Host and Panelists:
 - Thank you Dr. Kwauk!
- From Deb Morrison to Everyone:
 - Bowman, T. & Morrison, D. (Eds.). (2021). Empowering climate action in the United States. Part of Resetting Our Future Series. Changemaker Books.
- From Sarah Johnson to Everyone:
 - Lrya Colorado's Climaterium project (funded by Gates Family Foundation) is working in the workforce Development realm piloting work in SW Colorado <https://www.lyracolorado.org/c3en>
- From Nayiri Haroutunian to Everyone:
 - If you're interested in how to guide and support K-12 students to take environmental action in their school communities in Washington state, please check out www.earthgenwa.org. As Program Director, I'm happy to answer any questions or address any inquiries on how we engage and prepare youth to be the next generation of leaders in climate change and social injustice.

- From Sarah Bodor (she/her) to Everyone:
 - Thank you so much, Governor!!!
- From martha Brady to Everyone:
 - Thank you!
- From Joni Roberts to Everyone:
 - Thank you Govenro Inslee!!
- From Denise Buck to Everyone:
 - Thank you Governor!
- From Laura Tyler to Host and Panelists:
 - Thank you!!
- From Judy Braus (she, her) to Everyone:
 - Thank you!!
- From Deb Morrison to Everyone:
 - Thanks Nayiri!
- From Janice Elvidge to Everyone:
 - Thank You!
- From Lara Tukarski to Everyone:
 - Thank you!
- From Jessica Monaghan to Host and Panelists:
 - Hosting a free online conference on Water for anyone interested in presenting or attending- We welcome presentations from educators at all levels and contexts about the science and societal implications of changes in global and local water cycles as well as issues regarding equitable access to clean water. <http://sencer.net/midatlantic/>
- From Kelley Le to Everyone:
 - We also have an Educators Call to Action PD series beginning November by the CA Science Project to launch the Educators Network for Climate and Environmental Action (ENCEA). Looking forward to connecting with more of you then to amplify our collective efforts - <https://scienceproject.cfep.uci.edu/encea/>
- From Maria Hart to Everyone:
 - Thank you @Sarah Johnson!
- From Judy Braus (she, her) to Everyone:
 - Great to see all the ideas and networking taking place in the chat!
Thank you all!
- From Carter McBride to Host and Panelists:
 - How do we impact systemic change. Not shift but change?
- From Elisa Rudolph to Everyone:

- Agreed! I encourage folks to also continue their networking and idea-sharing on NAAEE's Climate Change Education eePRO group:
<https://naaee.org/eeepro/groups/climate-change-education>
- From Emily Fano to Everyone:
 - +++ Christina
- From Jessica Monaghan to Host and Panelists:
 - Couldn't agree more Christina, thanks for naming that point.
- From Derek Hoshiko to Everyone:
 - +1 Christina Transform the reason for education!
- From Claudia Pineda Tibbs (they/them/elle) to Everyone:
 - Yes, Christina!!!!
- From Hannah Cooke to Everyone:
 - YESSS Christina! Target the structural and systemic issues!
- From Elizabeth Soper to Everyone:
 - agreed...let's do this right and address structural and systemic issues. We need to change the system.
- From Kelley Le to Everyone:
 - @Frank - Yes!!!
- From Deb Morrison to Everyone:
 - [Www.aceframework.us](http://www.aceframework.us)
- From martha Brady to Everyone:
 - Agree with Frank. Very thoughtful.
- From Sarah Johnson to Everyone:
 - so so true Jose!
- From martha Brady to Everyone:
 - Need to look at the intersection of planetary health and economic justice.
- From Carter McBride to Host and Panelists:
 - Some of us are not so interested in the conversation of JDEI. Some of us, I, am more focused on process, procedures, and implementation. Infrastructures to execute not just conversation.
- From Ana Salgado to Host and Panelists:
 - What challenges have you faced when trying to connect underserved communities with outdoor spaces and how have you moved forward?
- From Anne Henderson to Everyone:
 - I think in the education field we tend to focus on fish when we need to look at what is up with the lake.
- From Krishna K. Roy to Host and Panelists:

- Governor Inslee has an amazing understanding of inclusion and equity and his policies illustrate this.
- From Manuela Mejia to Everyone:
 - Going off of what Frank was just saying, we are fractured in conservation and climate strategies at an international level. In addition to this, it is also important to note that there are a lot of international strategies that do not take into consideration national/local practices that might better support sustainable conservation strategies. Being mindful of the downfalls of neoliberal conservation strategies is extremely important
- From Sarah Johnson to Everyone:
 - EE practitioners and leaders need to be encouraged to be advocates for EE policy - yet so many practitioners work in the non-profit field and are not always encouraged (or allowed) to take an advocate role... yet it is a perceived understanding of non-profit rules vs actual... it's totally acceptable to advocate for EE policy
- From Sarah Bodor (she/her) to Everyone:
 - +++Saraj!
- From Ana Salgado to Host and Panelists:
 - Yees Sarah!
- From Sarah Bodor (she/her) to Everyone:
 - Sarah :)
- From Tyra Brown to Everyone:
 - I am finding this conversation so valuable, thank you to the panelists! I'm curious to hear our panelists' thoughts and perspectives on how do we reach people who are not in the educational system (whether it be teachers, students K-12 through higher ed). How do we create equity in climate literacy for those who have decision making power at the personal level, community level and beyond?
- From Sarah Johnson to Everyone:
 - :-)
- From Priscilla Brotherton to Host and Panelists:
 - *****Sarah!!
- From Judy Braus (she, her) to Tyra Brown, Host and Panelists:
 - Good question! Thanks! We hope to get to as many as possible! :-)
- From Brian Keller Heger to Host and Panelists:
 - Hi all. If you're an environmental education program provider or a teacher looking for opportunities for students, check out the CAELI Community-Based Partner Hub. The CAELI Community-Based Partner

Hub connects environmental education program providers with the California K-12 school system. It's a great tool for teachers to identify experiential learning opportunities and increase access to the outdoors for all students! Find it here:

<https://caeli.greenguardians.com/>

- 14:52:24 From David Blockstein to Host and Panelists:
 - Please save the chat and make it available to the registrants. there is a lot of rich content here but can't follow it and focus on the speakers at the same time
- From Anne Umali, NAAEE (she/her) to Everyone:
 - Yes, we'll be sharing the chat notes with everyone, along w/ the recording.
- From David Blockstein to Host and Panelists:
 - thanks
- From Priscilla Brotherton to Everyone:
 - ****Yes Sarah!!
- From Frank Niepold, NOAA Climate to Everyone:
 - A new green learning agenda: Approaches to quality education for climate action: <https://www.brookings.edu/wp-content/uploads/2021/01/Brookings-Green-Learning-FINAL.pdf>
- From susan zelenko to Host and Panelists:
 - Majora Carter describes it so well in her TEDTalk
- From Judy Braus (she, her) to Everyone:
 - Yes to understanding the root causes and the barriers and structural obstacles, Christina!
- From Carter McBride to Host and Panelists:
 - Folks need to know their history, address history and then figure out how to heal that systemic trauma on both sides of the equation.
- From Olivia Griset to Everyone:
 - Thank you Christina! This was very well explained and critical!
- From Claudia Pineda Tibbs (they/them/elle) to Everyone:
 - 100
- From Kelley Le to Everyone:
 - @Christina - Thinking about science education/educators. This is why science alone isn't enough to addressing this intersectional crisis. Great points!
- From Gabi Esparza to Everyone:
 - @Jose, thank you so much for summarizing my questions so eloquently!

- @Christina, thank you for asking those questions and explaining justice topics so well!
- From Emily Horton to Everyone:
 - Relevant to Christina's reference to thinking about the systemic and historic nature of current injustices and inequities, is this webinar: "EPA Office of Environmental Justice: REDLINING AND THE CLIMATE CRISIS" <https://naaee.org/eeepro/opportunities/epa-office-environmental-justice> Also thanks so much for that great explanation, Christina!
- From Deb Morrison to Everyone:
 - Why are we even playing that game instead of lacrosse or another game?
- From SUVANKAR DEY to Everyone:
 - Thank you Christina
- From Larissa Johnson to Everyone:
 - The problem with this analogy is that not everyone wants to watch the game beyond the fence - some people want to read a book or something else....
- From T'Noya Thompson to Host and Panelists:
 - Indeed
- From Christina Guevara to Everyone:
 - Thank you Christina!
- From Rainy Rau to Everyone:
 - So true Frank!
- From Deb Morrison to Everyone:
 - Thanks Emily...really amazing work in that office.
- From Sarah Bodor (she/her) to Everyone:
 - This is so true. We are terrible with systems!
- From Anne Henderson to Everyone:
 - Everglades is a good example of that
- From Emily Horton to Everyone:
 - @Anne Henderson: would you mind elaborating on that?
- From Elizabeth Schmitz to Everyone:
 - Yes! We need systems transformation and students who can think and problem solve at a systems level, with educators and administrators who can support them in doing that!
- From Janice Elvidge to Everyone:
 - I think people understand systems, but in everyday life economics, politics and personal wealth/non-wealth get in the way. The question

is how do we integrate systems thinking beyond the classroom or scientific project?

- From Nicole Avendaño to Everyone:
 - @Deb--yes! why aren't spectators a part of the game or refereeing the game?
https://belonging.berkeley.edu/sites/default/files/targeted_universalism_primer.pdf
- From Anne Henderson to Everyone:
 - it is a case of not understanding the system - the Army corp made changes to the flow that is now one of the largest restoration in the world.
- From Laura Tucker to Everyone:
 - Effectively addressing the climate crisis is truly an all hands on deck issue. That is why it's paramount to include everyone in the solutions, so taking down barriers to inclusion is Job #1.
- From Emily Horton to Everyone:
 - Got you! Thank you, Anne.
- From Deb Morrison to Everyone:
 - Laura.. all of society and all of government Han deck
- From Deb Morrison to Everyone:
 - Hands
- From Derek Hoshiko to Everyone:
 - Humanity can handle systems, but patriarchy and white supremacy culture get in the way.
- From Elizabeth Crawford to Host and Panelists:
 - Children are natural born systems thinkers. We just do not do an effective job of aligning teaching and learning with their natural tendencies to understand complexities in the systems in which they are apart.
- From martha Brady to Everyone:
 - We need to teach our kids to be systems thinkers.
- From Elizabeth Crawford to Everyone:
 - Children are natural born systems thinkers. We just do not do an effective job of aligning teaching and learning with their natural tendencies to understand complexities in the systems in which they are apart.
- From Elizabeth Crawford to Everyone:
 - [See https://waterscenterst.org/](https://waterscenterst.org/). They work with preschoolers on systems thinking.

- From Laura Tucker to Everyone:
 - @ Deb Morrison - absolutely! I miss you and learning with you!
- From Sean Lundblad to Everyone:
 - Frank mentioned unintended downstream consequences, but many of the systems that need to be dismantled and reconstructed more equitably are intentional and pretty effective at creating injustice.
- From Tracey Ritchie to Everyone:
 - Students can absolutely be systems thinkers! Our academic silos make that difficult however. But first, we need systems thinking teachers! This needs to be happening in pre-service and in-service teacher PD!
- From Maureen Ferry to Host and Panelists:
 - yes to systems thinking and interdisciplinary learning!
- From Olivia Griset to Everyone:
 - We hosted a really powerful youth and educator led statewide climate education summit over two weeks in Maine to build key recommendations to advance climate justice education in our state. Here is the Executive Summary if other states are interested...it's built a lot of momentum!
https://static1.squarespace.com/static/601b4aef3a2d3f627bb98a4f/t/6127e95fc18c8834dbffcd52/1630005616135/MEEA_Climate_summary082521.pdf
- From Betty Olivolo to Everyone:
 - This panel is amazing--highlighting so much important work going on, while challenging the status quo, and enthusiastically willing to work together! I'm impressed and uplifted!
- From Lara Tukarski to Everyone:
 - @OlivaGriset--thanks for sharing this!
- From Deb Morrison to Everyone:
 - @laura thanks for the love
- From Hannah Cooke to Everyone:
 - @Derek YESSSSS
- From Emily Horton to Host and Panelists:
 - Thank you all so much for gifting us with your presence and words. I hear a lot of discussion of how the climate change crisis intersects with multiple areas of inequity and injustice. This requires addressing a broad range of systemic issues ranging from economic opportunities to sustainable and accessible food systems. What recommendations do you have tackling this in a holistic manner and what role does

education have in this? For example, through multi-sectoral partnerships, through policy change, etc. . .

- From Deb Morrison to Everyone:
 - Hope is in shared, equitable collaboration towards real change in practice
- From Sarah Johnson to Everyone:
 - I'm curious how many people on this call are involved in their local/state/school board government etc.. I believe we are called to be political leaders and work to change things from within in addition to our vocation of being environmental educators.
- From Will Freund to Everyone:
 - I love that so many people have hope due the work being done with young people. However I feel that we need to put more emphasis on those already in power and making decisions. Young people do not have the power to make decisions, adults do. By the time young people are in places of power to make the decisions, it will already be too late.
- From Michelle Finchum to Everyone:
 - I was there too Frank!
- From Krishna K. Roy to Everyone:
 - Apollo's Fire: Igniting America's Clean Energy Economy-Jay Inslee and Bracken Hendricks. Worth a read even though it was written in 2007!
- From Ashley James to Everyone:
 - Sarah, I would love to be involved in government, but I need guidance on how to get into it!
- From Will Freund to Everyone:
 - Ashley, keep an eye on city, county, state, and federal job boards and connect with your local leaders.
- From Joni Roberts to Everyone:
 - <https://www.instagram.com/p/CT-olp-vh8L/>
- From Joni Roberts to Everyone:
 - A meme from this week I posted that relates to what Frank was saying about his niece.
- From Ian Kindle to Everyone:
 - Sarah, I'm on my city's Environmental Advisory Council, Ashley if you have something like that in your community, it's a good entry point to getting involved in community environmental leadership.
- From Hannah Cooke to Everyone:

- If we want teachers to do this work, we need to as a society value them... Their workload keeps increasing and their pay is embarrassing. I had to leave teaching because I felt like I couldn't make a difference any more
- From Sarah Johnson to Host and Panelists:
 - Sarah B: - RE Ashely James chat - maybe we need to offer training on "how" to take action politically... inspire and teach practitioners to engage... not that you have tons of extra time on your plate... :-)
guessing you've already thought of this as well
- From Will Parish to Everyone:
 - Helping schools bring more kids onto campus using outdoor spaces for COVID days and beyond. Learning outdoors needs to be Plan A and inside teaching as Plan B. Visit the National COVID-19 Outdoor Learning Initiative (<https://www.greenschoolyards.org/covid-learn-outside>)
- From Hannah Newell to Everyone:
 - +++ Yes Hannah! And our informal teachers at non-profits and community based organizations who have been teaching the teachers and their students
- From Priscilla Brotherton to Everyone:
 - <https://talkclimate.org/> - website by mental health professionals and climate scientists
- From Ashley James to Everyone:
 - Thank you Will and Ian!
- From Sarah Bodor (she/her) to Everyone:
 - @SarahJ--yes, I was thinking this too. Will be thinking about this and welcome more conversation about what would be most useful.
- From Hayley Salazar to Everyone:
 - YES! Frank, I teach AP Environmental Science in San Diego, and I have to be very careful to not overwhelm students with doom and gloom. The best solution that I've found is creating opportunities to take action. Whether it's a coastal cleanup, planting a campus garden, writing to legislators, or speaking up at a climate strike... it's the ACTION that students really need to envision hope.
- From Emily Horton to Everyone:
 - One thing I frequently grapple with and seek to understand, is how values, sociocultural influences (including media and peers), and life experiences intersect with educational initiatives. As an example, consider the current landscape surrounding covid and vaccination

education efforts. That individual and relational component seems so critical to understand and incorporate into approach.

- From Frank Niepold, NOAA Climate to Everyone:
 - I love the complexity of climate solutions developed and elevated by Project Drawdown; <https://drawdown.org/solutions>
- From Lara Tukarski to Everyone:
 - Excellent podcast I listened to last week about climate anxiety and hope for the future:
https://www.kqed.org/forum/2010101885372/climate-anxiety-and-how-it-can-lead-to-hopefulness?fbclid=IwAR2usJQvgb7r92ZzuR-Clg_lpHW8Wem4JFG1Tw8HdXa_rlJckY-UJ9wrNw
- From Olivia Griset to Everyone:
 - Yes Christina!!!!
- From Saskia van Bergen to Everyone:
 - Maybe useful? There have been a efforts the green chemistry community using systems and connecting it to the sustainable development goals. Example from higher Ed-
<https://www.acs.org/content/acs/en/greenchemistry/students-educators/module-development.html>
- From Tami Neilson to Everyone:
 - @Will Parish, yes! COVID is an opportunity to encourage schools to do more outside. Opportunity in adversity = win!
- From Emily Fano to Everyone:
 - +++Jose
- From Hayley Salazar to Everyone:
 - The climate strikes are on Friday!
- From Elizabeth Schmitz to Everyone:
 - I agree, we all need to remember to include and elevate student voice. Thank you, Jose!
- From Frank Niepold, NOAA Climate to Everyone:
 - ++++++Jose
- From Emily Fano to Everyone:
 - <https://fridaysforfuture.org/september24/>
- From CARRIE Roach to Everyone:
 - <https://cleoinsitute.org/events/>
- From Hannah Cooke to Everyone:
 - The students that can strike on Fridays have an immense amount of privilege.
- From Ashley Young to Host and Panelists:

- ****
- From CARRIE Roach to Everyone:
 - <https://cleoinstitute.org/event/global-day-of-climate-action/>
- From Sarah Johnson to Everyone:
 - so so true Laura!!!
- From Will Freund to Everyone:
 - I completely agree with the tokenizing of the youth
- From Maureen Ferry to Everyone:
 - Maybe a lot more could be done in informal sectors where there is more intergenerational communication.
- From Deb Morrison to Everyone:
 - Love the CLEO work!
- From Ashley Young to Everyone:
 - Hate hearing that @Frank. Thanks for saying.
- From Jen Kretser to Everyone:
 - Please take a look at The Wild Center's Youth Climate Summit program and all our free materials -- we've been working in partnership with youth for the last 13 years on leadership development, creating climate action projects in schools and communities, and elevating youth voice <https://www.wildcenter.org/our-work/youth-climate-program/> please reach out jkretser@wildcenter.org thanks :-)
- From Maureen Ferry to Everyone:
 - I have seen kids teach their parents about systems and the environment :) Its possible!!
- From Ian Kindle to Everyone:
 - BEETLES project is doing great work in helping formal and nonformal educators improve their science teaching and learning.
<http://beetlesproject.org/>
- From Ashley Young to Everyone:
 - In Action for the Climate Emergency's Teacher Resources we position young people as leading the lessons and being change agents. Hope this link is helpful <https://ourclimateourfuture.org/resources/>
- From Olivia Griset to Everyone:
 - +1 for the wild center's work...great resources!!!!
- From Emily Horton to Host and Panelists:
 - That really resonates, Frank, and yes to compensating people's time, Laura! We need to continue changing institutional mindsets and funding allocation patterns and policies to shift the needle here.
- From Derek Hoshiko to Everyone:

- #adultism #equity #youthleadership #studentvoice
- From Tracey Ritchie to Everyone:
 - Mock COP is a great example of the youth leading in powerful ways.
<https://www.mockcop.org/> Thanks to the panelists for all of the acknowledgements of how to MEANINGFULLY engage youth
- From Lara Tukarski to Everyone:
 - How can we inspire youth to want to force their own seat at the table?
- From Erica Meier to Everyone:
 - +1 Christina
- From Emily Horton to Everyone:
 - Thank you, Christina!!
- From Sarah Johnson to Everyone:
- Christina if you ever run for office, I'd vote for you :-)
- From Kelley Le to Everyone:
 - Love that, Christina! It's beyond performative action.
- From Sean Lundblad to Everyone:
 - Thank you, Christina.
- From Elizabeth Soper to Everyone:
 - ++Kelley Le :)
- From Judy Braus (she, her) to Everyone:
 - ++Jose!!!!
- From Lara Tukarski to Everyone:
 - The values lens is so key.
- From Sam Butler to Everyone:
 - I'm working on a project to support collective action for climate transitions and systems transformation in our own local neighborhoods. This is an open, public project — and people are encouraged to get involved (especially teachers, students and people wanting to get active locally). Here's an early version of the project: <https://placeflow.net/welcome>. If you're interested, check it out, and feel free to reach me at <https://linkedin.com/in/sambutler8> or sam@sambutler.us — very interested in connecting with others and working together!
- From BRYN WELLER to Host and Panelists:
 - Artists can also be powerful environmental educators with their work.
- From Deb Morrison to Everyone:
 - +++Jose
- From Chris Metropolis to Everyone:

- When it comes to wealth (and equity), the majority of people are not going to want to give that up. If you think the vaccine issue is divisive, wait until people are asked to share their wealth (through taxes, probably). And politicians won't have the spine to force that
- From martha Brady to Everyone:
 - thank you all. Excellent discussion.
- From BRYN WELLER to Host and Panelists:
 - Conservation art touches both the left and right sides of the brain-- emotion helps people learn, remember and take action.
- From Frank Niepold, NOAA Climate to Everyone:
 - I wish we were all in a real room together to widen and deepen this dialog that leads to a shared goal of what we could and need to do together!
- From Sarah Johnson to Everyone:
 - it seems to me that interested folks here should join the NAAEE staff leadership in advocating for EE by following the eePro Advocacy group <https://naaee.org/our-work/programs/naaee-policy-initiatives>
- From Tyra Brown to Everyone:
 - +++Christina
- From Lara Tukarski to Everyone:
 - +++Yes, Frank!
- From Judy Braus (she, her) to Everyone:
 - And we want to keep this conversation going and hope to hear from you about how we can take intention into action! :-)
- From Lourdes Flores to Everyone:
 - Absolutely agree!
- From Emily Horton to Host and Panelists:
 - Debbie Dazzler! Your words were so enriching, Christina. I think it helps us to keep the conversation real and grounded.
- From Sarah Bodor (she/her) to Everyone:
 - +++Emily!
- From BRYN WELLER to Host and Panelists:
 - Yes, Laura--it's about COLLABORATION between all of us with our unique knowledge and skills!
- From Joni Roberts to Everyone:
 - A bunch of teachers — this explains the abundant knowledge sharing in this session with panelists and attendees!
- From Judy Braus (she, her) to Everyone:

- Thanks to Jose and our panelists for a wonderfully rich and intellectually stimulating conversation. And thanks for the great comments in the chat!!!+++ to all of you!
- From Ian Kindle to Everyone:
 - 🙌🙌🙌 Thank you teachers!!!
- From Louise Prescott to Everyone:
 - What Laura just said reminds me--Ayana Elizabeth Johnson has a great venn diagram to help folks think through how they can take climate action! <https://generation180.org/where-do-i-start/>
- From Kate Goss to Host and Panelists:
 - Extraordinary- thank you!
- From Eric Havel to Host and Panelists:
 - Thanks everyone for a great conversation - Much to do together!
- From Deb Morrison to Everyone:
 - Thank you all
- From Judy Braus (she, her) to Everyone:
 - <https://www.allwecansave.earth/>
- From Olivia Griset to Everyone:
 - Thank you all —really amazing panel!!!
- From Tim Zimmerman to Host and Panelists:
 - Yes! Attend the conference!
- From Sam Butler to Everyone:
 - Regarding intersections — I had a conversation this week with someone who lives in a food desert. They described the solution not as more grocery stores, or local gardens — but a community center, which could provide childcare support while growing food literacy and gardening knowledge at the same time. The answer to local food access and local food systems, being centered in childcare! It was a very eye-opening perspective for me.
- From Emily Horton to Everyone:
 - Gracias a todos! Thanks to all!
- From BRYN WELLER to Host and Panelists:
 - Thank you, Everyone!!!
- From Larissa Johnson to Everyone:
 - Thank you!
- From Anne Umali, NAAEE (she/her) to Everyone:
 - Come to the conference!!! <https://conference.naaee.org/>
- From Erica Meier to Everyone:
 - We may all need a copy of this chat haha

- From Jessica Mkitarian to Host and Panelists:
 - Another great scicommer who has a new book, Saving Us about speaking to values: <http://www.katharinehayhoe.com/>
- From Frank Niepold, NOAA Climate to Everyone:
 - Thank you all!
- From Mariano Flores to Everyone:
 - greetings and congratulations for the work you do, with the global challenge we have we would have to join efforts at a global level as well, greetings from Barcelona
- From Ian Kindle to Everyone:
 - Thanks for a great session! Good inspiration!
- From CARRIE Roach to Host and Panelists:
 - Thank you all! Thank you, Jose!
- From Louise Prescott to Everyone:
 - Thanks to all the panelists and Jose for synthesizing all the great conversation!
- From Carter McBride to Host and Panelists:
 - Excellent moderation Jose! Hope to see you soon.
- From Jen Kretser to Everyone:
 - this was great! thank you
- From Elizabeth Soper to Everyone:
 - Thanks NAAEE for pulling this together...very inspiring...fabulous group of panelists - moderator and CHAT participants. Can't wait to get chat list to really review.
- From Tim Zimmerman to Host and Panelists:
 - Thanks all.
- From Tyra Brown to Everyone:
 - So very grateful for this discussion with you all! Thank you for your time and all this great work!!
- From Nicole Avendaño to Host and Panelists:
 - Thank you to every panelist! Christina, your words really spoke to me today.
- From Maureen Ferry to Everyone:
 - thanks everyone! yes to collaborations!
- From Christina Kwauk (she/her) to Host and Panelists:
 - Thank you so much, Jose, for such excellent facilitation. Thank you Judy and Sarah and Anne for organizing this. And thank you Laura and Frank for such a great discussion.
- From Anne Umali, NAAEE (she/her) to Everyone:

- AWESOME job Christina, Laura, Jose, and Frank! Such a great conversation!
- From Frank Niepold, NOAA Climate to Everyone:
 - If you want to stay connected on Ace you can join here; <https://aceframework.us/> and <https://cleanet.org/clean/community/index.html>
- From Derek Hoshiko to Host and Panelists:
 - Got error ERR_TOO_MANY_REDIRECTS with <http://climateedpolicy.org/>
- From Mariano Flores to Everyone:
 - I share an educational resource published in spanish from Barcelona <https://www.entrepueblos.org/news/guia-didactica-emergencia-climatica/>
 - we are open to any collaboration. edualter@pangea.org
- From Frank Niepold, NOAA Climate to Everyone:
 - Also, you can join the US ACE Coalition here; <https://www.usacecoalition.org/join-the-coalition>
- From Jen Kretser to Everyone:
 - Hi everyone, speaking of coalitions. If you are interested and/or going to COP26, we have a U.S. Action for Climate Empowerment Coalition Delegation that will be elevating climate change education, training, public engagement, access to information, coordinating across networks, and public participation. Check out the website <https://www.usacecoalition.org/> and there is a button at the top to join. Elevating at the international level! Thank you!!!!
- From Janice Elvidge to Everyone:
 - What is the climate ed policy web address again?
- From BRYN WELLER to Host and Panelists:
 - climateedpolicy.org
- From Mary Ocwieja to Everyone:
 - climateedpolicy.org
- From Jose Gonzalez (he/him) to Everyone:
 - Thank you all for a wonderful space! For any in the audience that will also join us for the NAAEE conference, I'll see you for the closing on Oct 15!
- From Janice Elvidge to Everyone:
 - I can not get the climateed policy website to work at all.'
- From Tim Zimmerman to Host and Panelists:
 - <https://www.climateedpolicy.org/>
- From Sarah Johnson to Everyone:

- <https://www.climateedpolicy.org/>
- From Vanessa Carter to Host and Panelists:
 - @Sarah can teachers screen the youth panel for their students for free or must they register for all? TY!
- From Joni Roberts to Everyone:
 - Try <https://www>. In front of link and see if that helps
- From Anne Umali, NAAEE (she/her) to Everyone:
 - The 30U30 pre-conference plenary is open to all for free!
- From Vanessa Carter to Host and Panelists:
 - @Anne TY!
- From Emily Horton to Everyone:
 - @Mariano Flores (wow, thanks for joining from Barcelona!). que impresionante! Bienvenidos. yes to global efforts.
- From Janice Elvidge to Everyone:
 - Sarah, that worked!
- From Anne Umali, NAAEE (she/her) to Everyone:
 - Registration link for Building a Climate of Hope: Young Voices Reflect on Resilience, Creativity, and the Future
<https://naaee.org/eepro/learning/webinars/webinar-building-climate-hope-young>
- From Estrella Risinger to Host and Panelists:
 - This has been an incredibly thoughtful discussion. Thanks, NAAEE and can't wait for the conference!
- From Julia Babbitt to Everyone:
 - Fantastic session! Thank you all!
- From Tracey Ritchie to Everyone:
 - Thanks NAAEE team, another amazing event!
- From Anne Umali, NAAEE (she/her) to Everyone:
 - Everyone will get the recording and the chat sent directly to your email by tomorrow! Thanks, all!
- From Sarah Bodor (she/her) to Everyone:
 - Vanessa, we'll follow up! Good idea.
- From Frank Niepold, NOAA Climate to Everyone:
 - Thanks NAAEE!!!
- From Christina Kwauk (she/her) to Everyone:
 - Thank you everyone for such a thoughtful session today!
- From Janice Elvidge to Everyone:
 - Thank You!
- From Sarah Johnson to Host and Panelists:

- You all are exceptionally excellent - thank you so much for such an engaging thoughtful inspiring discussion... and call to action!
- From Sarah Bodor (she/her) to Everyone:
 - Thanks for hanging in beyond the time, everyone!
- From Elizabeth Crawford to Everyone:
 - This was a superb panel and inspiring discussion. THANK YOU to all!

End