



eeWORKS: Demonstrating the Power of Environmental Education

July 7, 2021

Link to the recording: <https://youtu.be/1HinLAMEvVc>

eePRO post: <https://naaee.org/eeopro/learning/webinars/eeworks-demonstrating-power-0>

Speakers:

- **Nicole Ardoin**, Associate Professor, Stanford University
- **Alison Bowers**, Stanford University
- **Martha Monroe**, Professor, University of Florida

Highlights of the chat transcript:

Welcome!

- T'Noya Thompson: Quick Question: How have you used eeWORKS so far to support your work?
- Kathleen O'Connor: Kathleen O'Connor, Philadelphia, PA, Lenni-Lenape land.
- Nicole Ardoin: It's a mouthful—great job, Judy! :-)
- T'Noya Thompson: Thank you to our speakers today!
- Drew Burnett: Here's the link in case you'd like to bookmark it:
https://cdn.naaee.org/sites/default/files/u26619/ee_works_review_process.4.26.21.pdf
- Raizha Yurivilca Delgado: can you send the link of the paper here please?
- T'Noya Thompson: eeWORKS: <https://naaee.org/our-work/programs/eeworks>
- Drew Burnett: Thank's T'Noya, here's the direct link to the paper itself:
<https://www.tandfonline.com/doi/abs/10.1080/13504622.2017.1360842>
- Raizha Yurivilca Delgado: Thank you
- Julie Travaglini: I may have to bail. We're getting some nasty thunderstorms here in Pittsburgh.
- T'Noya Thompson: Stay safe and the recording will be up soon!
- Drew Burnett: Here's the direct link to the climate change adaptation paper Martha mentioned: <https://www.jhseonline.com/article/view/1057>
- Drew Burnett: Click the pdf button to get the full study.....

- Martha C. Monroe: Ana, Great question. Each of the summary papers lists the publications that they are summarizing, including some handy charts that compare/contrast them. That makes it easy for readers to see which paper reported middle school climate attitude change in a nonformal setting, for example. I believe the abstract for those papers are in the eeRESEARCH library, but the whole paper, which has a copyright, is protected. T'Noya can provide more details on that piece!
- Ana Leirner: Can you share the resource Nicole mentioned to identify the search keywords?
- Drew Burnett: Here's the direct link to the study she's presenting....<https://www.sciencedirect.com/science/article/pii/S0006320719307116?via=ihub>
- Alison Bowers: And here is one of the planetary boundary articles used for the keywords: *Rockström, J., Steffen, W., Noone, K., Persson, Å., Chapin III, F. S., Lambin, E., ... & Foley, J. (2009). Planetary boundaries: exploring the safe operating space for humanity. Ecology and society, 14(2).*
- Martha C. Monroe: Regarding climate science education and climate change education... Most of the papers we read that focused on knowledge were really about climate science and climate change science. And they were taught in a science classes. We included all of them in our synthesis, so yes, it was all included together.
- Drew Burnett: Just an FYI, all the studies in eeWORKS are linked in the methodology document that Allison shared in the first session (https://cdn.naaee.org/sites/default/files/u26619/ee_works_review_process.4.26.21.pdf)
- Judy Braus (she, her): Please add any questions in the chat and we'll either answer them in the chat or talk about them at the end.
- T'Noya Thompson: eeWORKS Early Childhood will be online near the end of the month!
- T'Noya Thompson: eeWORKS: <https://naaee.org/our-work/programs/eeworks>
eeRESEARCH: <https://naaee.org/eeepro/research/library>
eeLEARN Research and Evaluation
<https://naaee.org/eeepro/learning/eelearn/research-evaluation>

eePRO Research and Evaluation <https://naaee.org/eepro/groups/research-and-evaluation>

- Nicole Ardoin: Here's an early childhood policymaker brief based on that systematic review: <https://edpolicyinca.org/newsroom/environmental-education-and-nature-rich-experiences>
- Nicole Ardoin: Here's a policymaker brief based on the conservation article: https://woodsinstute.stanford.edu/system/files/publications/Environmental_Education_Brief.pdf
- Nicole Ardoin: Early childhood article: <https://www.sciencedirect.com/science/article/pii/S1747938X19305561>
- T'Noya Thompson: Absolutely!
- Heidi McAllister: Thanks Donny - good luck!
- Alison Bowers: For the conservation one for keywords we used Rockstrom's planetary boundaries work: *Rockström, J., Steffen, W., Noone, K., Persson, Å., Chapin III, F. S., Lambin, E., ... & Foley, J. (2009). Planetary boundaries: exploring the safe operating space for humanity. Ecology and society, 14(2).*
- Martha C. Monroe: Wow, Elise, this is a great program! You've made a difference!
- Alison Bowers: Thank you Anne, Judy, T'Noya, Drew, Joe, and Heidi!
- Judy Braus (she, her): Thanks to Joe, our captioner! And thanks to all of you for joining! :-)
- Amy Powers: Thanks for the commitment to the field each of you is making.
- Nicole Ardoin: Great study, Elise—thanks for sharing!
- Ana Leirner: Thank you so much for the webinar and these amazing resources!
- Zach Bates: Thank you all so much!
- T'Noya Thompson: Thank you all! We hope that you will explore the research, communication tools, and network opportunities at NAAEE!
- Nicole Ardoin: Thank you for attending, Ana, and all—fantastic questions!
- Raizha Yurivilca Delgado: Thank you to everyone!
- Renee Strnad: THanks everyone!
- Amanda Hosford: Thank you!

Additional Resources:

- Conservation: Environmental education outcomes for conservation
[Link here](#)
Ardoin, N. M., Bowers, A. W., & Gaillard, E. (2020). Environmental education outcomes for conservation: A systematic review. *Biological Conservation*, 241, 108224. (IF: 4.7)
[Brief available here](#) and [here](#)
- Early Childhood Environmental Education
[Link here](#)
Brief [available here](#)
Ardoin, N. M., & Bowers, A. W. (2020). Early childhood environmental education: A systematic review of the research literature. *Educational Research Review*, 100353.
- Rockstrom article (conservation outcomes) [available here](#)
Rockström, J., Steffen, W., Noone, K., Persson, Å., Chapin III, F. S., Lambin, E., ... & Foley, J. (2009). Planetary boundaries: exploring the safe operating space for humanity. *Ecology and society*, 14(2).