

# Preparing the Next Generation

Workshop welcome, objectives and overview



# Preparing the Next Generation

Welcome to Day 1



## Land Acknowledgement



**We acknowledge the traditional, ancestral, unceded territory of the Lenape People on which we learn, work, and gather today (virtually) at Columbia University.**

**Lenape means real person, or original person, and it is important to remember that Lenape, collectively, are a living and breathing community. Let us honor their legacy.**





# Workshop Organizers



Carol Cotterill

U.S. Science Support Program

Don Haas

The Paleontological Research Institution

Adriane Lam

Binghamton University SUNY

Carol Ormand

Science Education Resource Center

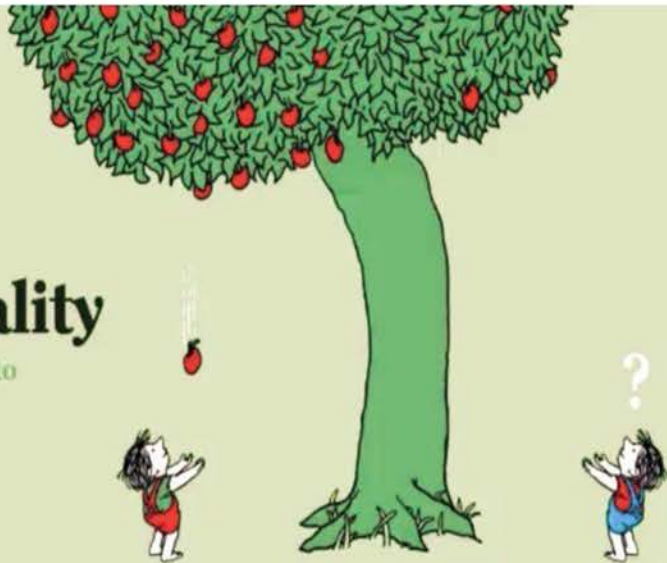
Kristen St. John

James Madison University



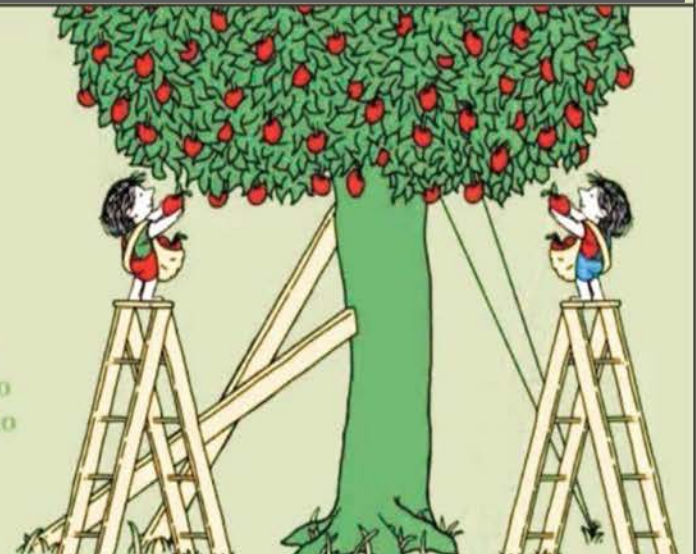
# Inequality

Unequal access to opportunities



# Justice

Fixing the system to offer equal access to both tools and opportunities





## The Path Forward: Calling on Geoscientists to Act with JEDI



**Justice**



**Equity**



**Diversity**



**Inclusion**

The STEM workforce can only operate at full capacity when **all available minds** are invited, respected, and engaged.  
Our planet is facing “all hands on deck” problems,  
but ***all hands are not on deck.***



## The Path Forward: Achieving Collective Impact



Public understanding of Earth and oceans

Connecting science and culture

Tools of engagement

Partnerships and collaborations

[https://ssir.org/articles/entry/collective\\_impact](https://ssir.org/articles/entry/collective_impact)

<https://clearimpact.com/achieving-collective-impact/>



## Workshop Driving Questions

1. How can we build greater awareness of Scientific Ocean Drilling-related career opportunities, especially for marginalized communities in STEM?
2. How can we expand, develop, compile and better promote Scientific Ocean Drilling-science-related educational resources?
3. How can professional development be better designed to develop critical scientific and transdisciplinary skills for all educators?
4. What are the best accessible practices for creating and expanding opportunities for undergraduate research that involves Scientific Ocean Drilling data and samples?
5. How can we effectively expand training programs (e.g., short courses and workshops) for scientists involved with Scientific Ocean Drilling research?
6. What are effective mentoring strategies for graduate students, postdocs, and tenure-track faculty within Scientific Ocean Drilling; and how can we expand on effective mentoring in the community, especially for marginalized communities in STEM?





## Workshop Goals

1. Solicit and capture ideas around the driving questions.
2. Engage a diverse group of participants.
3. Gather ideas to help shape an in-person workshop for early 2022.

# Workshop Program (Day 1)



How can scientific ocean drilling best prepare the next generation of Earth scientists?

15:00 *Welcome and Introduction to the Preparing the Next Generation workshop*

15:10 *How can we build greater awareness of scientific ocean drilling, and scientific ocean drilling-related career opportunities?*

15:20 *What is the best way to expand, compile, and promote scientific ocean drilling-related educational resources?*

15:30 *How can we create and support opportunities for undergraduate research involving scientific ocean drilling data / samples? Panel session*

15:45 *Q&A for all speakers*

16:10 *Comfort Break*

16:20 *Breakout Group Discussions*

17:00 *Group Reports and Discussion*

17:50 *Looking ahead and brief road check*

All discussions can be continued on [the discussion boards](#).