

Accomplishments and Deliverables of the GEO REU Network Pis

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PUBLICATIONS (SELECTED)

Burt, Melissa & Haacker, Rebecca & Montano, Patricia & Vara, Marissa & Sloan, Valerie. (2022). The ethics of diversity, equity, inclusion, and justice in the earth system sciences. *Frontiers in Physics*. 10. 10.3389/fphy.2022.1085789.

Cacapit, A., N. Jackson, P. Lang, B. Stoner-Osborne, P. Vidal Geraldino, and V. Sloan. 2021. Student Internship Experiences amid Both COVID-19 and Heightened Racist Violence. *BAMS. Conference Notebook*. June; p. 491-493. Also presented at [AMS 2021](#).

Sloan, V. and R. Haacker, Eds. 2020. [GEO REU Handbook](#): A Guide for Running Engaging and Inclusive Internship Experiences in the Geosciences. (23 authors). 181 p.

Sloan V, Haacker R, Batchelor R, Garza C. [How COVID-19 Is Affecting Undergraduate Research Experiences](#). *Eos* 2020 June 18; 101.

LEADERSHIP AND SERVICE (RECENT)

2022 Recipient of the 2022 AGU Excellence in Earth and Space Science Education Award for leadership with the GEO REU PI Network ([citation](#)).

2016 - 2022 Member of the Board on Higher Education of the American Meteorology Society

CONFERENCE SESSIONS CONVENED (SELECTED)

AGU 2021, [Barriers to Entry for Underrepresented Scholars in Gateway Internship, Scholarship, and Graduate Programs: Opening Doors and Diversifying Programs](#)

AGU 2021, [Program Design of Undergraduate Research Internships: Managers' Insights and Best Practices Shared](#)

AGU 2021, [Supporting the Well-Being of Students and Staff in STEM Professional Learning Programs During a Pandemic and Increased Racist Violence](#)

SSA (Seismological Society of America) 2021, [Strategies and Actions for Fostering a Diverse Seismology Community](#)

TOPICS OF WORKSHOPS FOR GEO REU INTERNS (2021 - 2023, SELECTED)

What to expect in a summer research internship

Anti-harassment and anti-discrimination workshop

Diversity, Equity, and Inclusion Discussion: Implicit Bias and Bystander Intervention

How to write an abstract

How to give a good talk
Preparing to apply to graduate school
Applying to the NSF GRFP
Panel: Non-academic careers in the geosciences
Panel: Graduate school – with students and faculty panelists
Introduction to Leadership
Ethics, racism, and the legacy of colonialism in the geosciences

STUDENT WORKSHOPS CONVENED (SELECTED)

Ocean Sciences Meeting, 2022 Tips on Career Exploration and Applying for Jobs
NSF-funded Ocean and Coastal Sciences Career Development Workshop Series, 2021-2022
including [Building a Support Network as a Student of Color in the Ocean Sciences](#) (1:13:50)
NABG (National Association of Black Geoscientists), 2021, including a grad school panel, a panel on mental health, and a workshop on [Finding and Applying for Jobs](#) (1:17:27)
REU Career & Professional Development Workshops for multiple REU sites, [2020 – 2022 \(YouTube\)](#)
NCAR [Undergraduate Leadership Workshop](#) (25 students for 1 week x 5 years)

PRESENTATIONS AND ABSTRACTS [SELECTED]

Sloan, V., M. Vara, B. Stoner-Osborne, A.J. Cacapit, and E. Mason. 2022. [A New Ethics Workshop: Addressing Racism and Colonialism in the Geosciences](#). Abstract at the 2022 Earth Educators' Rendezvous. July, 2022.
Sloan, V. and C. Martinez. 2022. On recognizing bias and privilege in the selection process. Presented at 2022 **Ocean Sciences Meeting**, 24 Feb. – 4 Mar.
Sloan, V. 2021. [Tips for Developing a Safe, Inviting, and Inclusive Research Internship Community](#). (Invited) Presented at 2021 Fall Meeting, **AGU**, 13-17 Dec.
Sloan, V., B. Stoner-Osborne, E. Mason, M. Vara, A. Cacapit. 2021. [A New Ethics Workshop: Addressing Racism and Colonialism in the Geosciences](#). At 2021 Fall Meeting, **AGU**, 13-17 Dec.
Barnes, T., J. Cyccone, V. Sloan, and D. Zietlow. 2021. [The Elephant in the Room: Supporting Students During Social Upheaval](#). Presented at 2021 Fall Meeting, **AGU**, 13-17 Dec.

WORK FEATURED

Simar, R. [Mentorship During a Pandemic: Transitions from Lab and Sea to Virtual](#). 2020 **EOS**.
Watson, C. [Online mentoring fills a gap for young researchers](#). 2021. **Nature Index**.

COMMUNITY RESOURCES DEVELOPED

[GEO REU Resource Center](#) | [The GEO REU Handbook](#) | [Elements of an REU Workshop Series](#) |
[GEO REU Email List](#) | [Career Development Panels and Workshops for Students](#) |