

NAGT Professional Development Planning Committee Annual Report, 2021-2022

Prepared by: Karen Viskupic, committee chair, from reports provided by each subcommittee

The NAGT Professional Development Planning Committee (PD Committee) oversees all NAGT professional development programs including:

1. Webinar Series
2. Workshop for Early Career Faculty
3. Preparing for an Academic Career Workshop (held at EER)
4. Traveling Workshops Program (TWP)
5. Earth Educators' Rendezvous (EER)
6. Teach the Earth website

During the 2021-2022 year, these programs reached over 1,200 participants (not including Teach the Earth website visits).

The PD Committee continues to work to provide high-quality and relevant PD programs to the geoscience community. Many programs returned (or partially returned) to in-person programs during the 2021-2022 academic year. The community, and the committee members, recognize the value of providing virtual programming, and part of our current and ongoing work is to better understand how to balance in-person and virtual PD programs. Some programs are by design virtual (webinars) or can be offered virtually if desired (TWP). Other programs have been traditionally offered in person and switched to virtual formats only during the pandemic (EER, Early Career). We are exploring and discussing ways to provide virtual PD programs that would provide opportunities for sustained interactions among participants.

Below is a summary of the 2021-2022 NAGT PD programs. Full reports from each program chair can be accessed at:

https://nagt.org/nagt/about/workspaces/workshop_plan/programactiviti.html

1. Webinar Series: 1,106 participants

https://nagt.org/nagt/profdev/webinars/webinar_archive.html

Committee chair: Rory McFadden, Gustavus Adolphus College

NAGT offered 25 webinars during the 2021-2022 academic year, that showcased NAGT sponsored projects, programs, and divisions including: NGSS-ESS, EDDIE, IGUaNA, GEO2YC, and ADVANCEGeo.

“During 2021-2022 academic year we ran multiple webinars on strategies and resources on equity and inclusion in coordination with ADVANCEGeo, Early Career Workshops, and the NAGT DEI committee. These webinars addressed building inclusive communities, teaching strategies and policies, promotion and tenure, and survey results on impacts on historically excluded groups. Through the webinar series, the NGSS-ESS delivered numerous webinars on the supporting and implementing the NGSS and Project EDDIE led multiple webinars to help instructors use environmental datasets in their courses. In addition, the Geo2YC division initiated a new set of webinars on issues especially relevant to 2YC instructors.”

“Throughout the 2021-2022 academic year, there were over 3600 registrants and over 1100 attendees. This is a reduction of about 20% of registrants and attendees compared with 2020-2021, but slightly above the registrants and attendees from 2019-2020. On average, webinars had 147 registrants and 44 attendees.”

“The webinar series evaluation had a 28% response rate, with 308 respondents completing end of workshop evaluations. These respondents reported an average satisfaction of 9.38 (scale 1-10), 3.69 (scale 1-4) for participant exchange during the webinar, 3.88 (scale 1-4) for webinar technology, and 3.93 (scale 1-4) webinar facilitation – all slight improvements compared with 2020-2021.”

2. Early Career Workshop: 40 participants

<https://serc.carleton.edu/NAGTWorkshops/earlycareer2022/program.html>

Workshop chairs: Martin Wong, Colgate University; Josh Galster, Montclair State University; and Ben Laabs, North Dakota State University

The Early Career Workshop was held June 21-25, 2022 at the University of Maryland, with an optional visit to NSF on June 27-28. The 40 workshop participants were:

- Gender: 53% female, 45% male, and 2% selected neither male or female
- Institution: 48% research, 20% public, 13% private, 17% comprehensive, 2% 2-year
- Ethnicity: 23% Asian, 17% Hispanic, 5% African American, 0% American Indian, 0% Pacific Islander

“The aim for the Early Career workshop is to provide concrete skills to support faculty in their early years of their teaching and research responsibilities. We have sessions on topics including effective teaching strategies, course design, establishing a research program in a new setting, working with research students, balancing professional and personal responsibilities, and strategic planning for a successful career. A new workshop goal of discussing and developing strategies for broadening participation in geosciences was supported by a series of webinars designed workshop for NAGT Facilitators.”

“In 2022, leader training opportunities included a set of webinars, including (1) Climate Survey of the Geosciences: Disproportionate Impacts on Historically Excluded Groups (Feb. 15, 2022) led by Erika Marin-Spiotta, (2) Building Inclusive Communities for Research and Scholarly Activities (April 7, 2022) led by Hendratta Ali, (3) Towards a More Inclusive Geosciences: Teaching Strategies and Policies to Support All Students (May 17, 2022) led by Phoebe Cohen and Lisa White, and (4) Promotion, Tenure, and the Value of Diversity, Equity, and Inclusion Work (May 26, 2022) led by Joshua Villalobos, Aaron Velasco, Aradhna Tripathi, and Tessa Hill.”

3. Preparing for an Academic Career Workshop: 24 participants

https://serc.carleton.edu/earth_rendezvous/2022/program/morning_workshops/w1/index.html

Workshop chairs: Lisa Gilbert, Cabrillo College; Sue Ebanks, Savannah State University; Lyndsey LeMay, Thomas Nelson Community College; Brendan Hangar, Colorado School of Mines; Gary Weissmann, University of New Mexico

The Preparing for an Academic Career Workshop was held July 11-13, 2022 at the Earth Educators' Rendezvous

"This workshop is designed specifically for graduate students, post-doctoral fellows, and others who are interested in pursuing academic careers in the geosciences. The main goals of the workshop are for participants to improve their application and interview skills for academic jobs, become more effective at goal-setting and time management, and broaden their network of colleagues and resources to help jump-start their teaching and research as a faculty member. The workshop includes presentations, discussions, small group activities such as application materials review and elevator pitch practice, and periods of informal Q & A with co-conveners, alumni of the workshop, and fellow participants. Each participant will develop or revise a plan for the next stage in their career and will cultivate ideas that they can immediately implement."

"The 24 workshop participants were mostly students: approximately 40% were students within 1.5 years of finishing their Ph.D. and 40% anticipated finishing their graduate degree 2 or more years in the future (including one undergraduate student). The remaining 20% of the participants were post-doctoral fellows. Participants self-identified as non-Hispanic White (70%), Black (13%), Asian (9%), Hispanic (4%), and/or Native American (4%); 74% of participants identified as female, 17% identified as male, 4% identified as a gender other than female or male."

4. Traveling Workshops Program: XX participants

TWP chair: Catherine Riihimaki

Report will be updated when TWP annual report is received

5. Earth Educators' Rendezvous: 224 participants

https://serc.carleton.edu/earth_rendezvous/2022/program/index.html

EER co-chairs: Cory Kirkpatrick, Megan Plenge

Report will be updated when EER annual report is received

6. Teach the Earth Website: XX participants

committee chair: Phil Resor

Report will be updated when TTE annual report is received