

NAGT Year-end Report
Fall 2020
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1st Vice-President, 2019-2020
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Goals from last report:

My goals in my last report were to continue chairing TTE committee, coordinate activities on TTE with PD committee, and work to coordinate TTE activities relevant to teaching online. I also wanted to work with Early Career Leaders and other PD leaders to develop workshop for DEI activities to be incorporated into future NAGT workshops and other activities

NAGT Executive Committee work:

In the past year, I attended 10 Executive Committee meetings and 4 presidential line meetings. The ExComm achieved a number of milestones this year, including hiring a new Executive Director (Anne Egger), successful transitions to new editors of both of NAGT's regular publications – *In the Trenches* and *Journal of Geoscience Education*, and formation of a new Diversity, Equity, and Inclusion standing committee. We also completed the hard work of drafting ethics violation procedures for the organization. In addition, the Ex Comm worked to facilitate the transition of EER to a successful virtual conference with attendance that rivaled that of previous face-to-face meetings.

I also served as PI as NAGT representative on a proposal to the National Science Foundation for the Early Career Workshop for Faculty. The proposal was funded in July; however, I stepped down as the PI, handing the responsibilities to Catherine Riihimaki, because I transitioned to working as a rotating Program Director for NSF.

In November, I helped to convene the Geoscience Education Infrastructure Planning Meeting at Carleton. Discussions at this meeting centered on how to improve infrastructure for Geoscience Education via a variety of working groups. Groups developed priorities which can be found on the [Meeting Program](#). This meeting led to the submission and funding of a RAISE proposal (S. Fox/SERC) to improve discoverability on the Teach the Earth website.

With the Earth Educators' Rendezvous moving online and no end to the pandemic in sight, Anne Egger, Karen Viskupic and I proposed to lead a [three-day workshop focused on teaching upper-level geoscience courses](#). We had more than 65 participants who worked to develop a wide variety of courses and activities that could be transitioned to online/hybrid. We got great positive feedback about the workshop and continue to support the participants.

Kyle Fredrick and I also convened a mini-workshop focused on [Navigating and Contributing to Teach the Earth](#) at EER 2020. That workshop was also well attended and, as a result, we developed two webinars for NAGT's webinar series. In late August, I led a webinar about [Navigating TTE](#) based on the mini-workshop at EER. Kyle will lead a webinar about contributing to TTE in late January. I also participated in an [NGSS-ESS webinar](#) to highlight the resources on TTE.

NAGT Council work:

As 1st vice-president, I presided over 3 council meetings (January, May and October). Meetings focused on ExComm work (e.g., Bylaws and policy; editor searches (ITT & JGE)), transitioning to virtual meetings, updates from committees, sections and divisions.

NAGT Committee work:

Professional Development Committee (serve as Chair of the Teach the Earth Website committee)

As a chair of the TTE committee, I am also a member of the PD committee. As such, I attended three virtual meetings over the course of the last year. My activities with respect to the PD committee are encompassed in the TTE report below.

Teach the Earth Website committee

In the past year as chair of the Teach the Earth website committee, I convened 7 committee meetings to discuss policy and other issues that come up with regard to the management of the website. We successfully recruited a new chair (Sarah Fortner) to take over when I step down, and two new members of the committee (Becca Walker and Jon Hendricks) to replace or fill out our membership. The Teach the Earth Committee continues to work on our three main challenges/goals: 1) understand the current collection; 2) fill in gaps in content; and 3) update content. This year we focused a lot on outreach to and education of users and potential users and contributors. We contributed a poster to the poster session at EER that dealt with these topics and convened and participated in a mini-workshop and 2 webinars to make the site more visible and increase the ability of users to access what they need. These professional development opportunities were well-attended and we got good feedback about the website itself. In addition, we reached out to the Teaching X community during the challenge of moving online in March 2020 and asked for any online activities or modification to activities. We worked on adding a quick and easy way to contribute modifications to pre-existing activities to enable folks to easily contribute new online modifications that could be tacked on to some of the items that already exist on TTE. We also revisited our policies on external sites and examined new ways to feature content that is not directly on TTE but might be of relevance to the community.

Liaison activity:

GSA Associated Societies

As liaison to the GSA Associated Societies, I attended two meetings this year, one in Phoenix at GSA, and the other virtually in the spring. At GSA, discussion centered on 1) financial best practices for non-profits, 2) Ethics and Codes of ethics, and 3) challenges for the geosciences. In the spring, discussion was focused on the novel coronavirus, codes of conduct, strategic planning and virtual meetings.

Council for Undergraduate Research (Geosciences Division)

As liaison to GeoCUR, I attended the meeting of CUR at GSA (in Phoenix) and talked about the initiatives that CUR is undertaking. Representatives of CUR are interested in forging new connections between research and teaching with NAGT, I continue to talk with officers from CUR about how we might do this.

Central Section

There has been little activity with respect to the [Central Section](#) over the course of the year. The section is not particularly active and have not been good about keeping up their webpage. I do not think there is anyone coming up in the presidential line and this section is in danger of becoming defunct.

Conference/meeting participation:

I attended the Earth Educators' Rendezvous in July 2020. At EER 2020, I convened a three-day workshop (*Teaching your upper-level course online: A Community Collaboration to build robust online Geoscience courses*), a mini-workshop (*Navigating and Contributing to Teach the Earth*), and presented a poster (*Strategies for engaging with Teach the Earth online resources*). I was also co-author on three poster presentations - [Geoscience Success Lessons: Creating a Psychologically Wise Intervention for Introductory Geoscience Students to Change Their Working Hypotheses on Learning](#); [Geoscience Success Lessons: Short interventions to improve student success in introductory geology labs](#); [Geoscience Success Lessons: Instructional Intervention to Help Introductory Geology Students Increase their Interest in Geology](#). I also participated in a two-day workshop: Art and Field Sketching.

I also attended the Annual Meeting of GS from September 22-25, 2019, in Phoenix. I attended the Geoscience Educators' Reception and NAGT/GeoED/GeoCUR luncheon, and assisted at the NAGT booth.

Other activities relevant to NAGT:

I continue to work with Julie Sexton (University of Colorado) and Molly Jameson (University of Northern Colorado) to build and incorporate lessons related to affective domain and its relationship to science and mathematical learning. We have proposed a mini-workshop for EER 2021.

I have consulted and continue to work with some of the participants from this summer's workshop to help engage them in effective online teaching. I spent time this summer working to transition my Mineralogy course to completely online (although I am not teaching it this semester because I am serving as a rotator at NSF this year). I made my online optical labs available to the Mineralogy group.

I participated in the informal conversations organized by Rachel Teasdale, Keith Putirka, Erik Klemetti, Laurel Goodell and others, for instructors teaching specimen-based courses (e.g., mineralogy, petrology, rocks and minerals, etc). I recorded two short videos on optical mineralogy ([Uniaxial](#) and [biaxial](#) indicatrix) to include on the YouTube channel associated with this conversation. More videos and links to activities and other ideas can be found in the [Community Conversation Google Sheet](#).

Upcoming Activities

I plan to attend GSA 2020 Connects Online – virtual Annual Meeting from 26-30 October 2020. I will also attend the NAGT meetings associated with GSA in the week before GSA. During GSA week, I will help with the NAGT virtual booth (and recorded videos for both the booth and the virtual awards “luncheon”).

I plan to attend AGU20 Fall Meeting virtually 1-17 December 2020 and will help with NAGT booth there as well.

Goals for next reporting period:

My goals for the upcoming year include successfully transitioning to the role of President; supporting the work of all the standing committees, and in particular the new DEI committee; and helping to facilitate another successful virtual EER. I will also continue as a member of the TTE committee to support Sarah Fortner in her new role as chair of that committee.