



Advancing transdisciplinary collaborations between earth, space and health sciences to better safeguard humanity.

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Welcome to the AGU GeoHealth Section's Spring Newsletter!

Greetings!

We had a very productive time preparing for Fall Meeting 2019 and during the meeting itself. If you were at FM19, we hope you had as stimulating a time as we did and enjoyed participating in the GeoHealth activities!

The AGU cycle roles on; we are already well into preparing for Fall Meeting 2020 and the AGU elections, for which we will be looking for a new President-elect. We have also had some important changes to our leadership which are explained within the newsletter (page 3).

We would like to thank you all for your enthusiasm and support through 2019 and look forward to your engagement in 2020!

FIND OUR NEXT PRESIDENT – ELECT!



Nominate a colleague or yourself using our online [nomination form](#), or contact past-President Aubrey Miller at: miller.aubrey@nih.gov, with questions.

Nominations are requested by March 20.

[Check out the AGU's Position Statement on Climate Change Released Nov 2019](#)

2020 AGU FALL MEETING – SESSION PROPOSALS DUE BY 15 APRIL!

See page 2 for more information.

Engage with the
GeoHealth Section!



[AGU GeoHealth Connect](#)



[@AguGeohealth](#)

THE ROAD TO THE 2020 FALL MEETING...

19 February – 15 April

Call for session proposals

27 - 28 April

Session proposal acceptance

End of April - 20 May

Session mergers

10 June – 29 July

Abstract submission period

5 – 17 August

Session allocation by the Program Committee

19 – 31 August

Convener online scheduling

2 – 4 September

Program Committee scheduling meeting in Washington, D.C.

1 October

Acceptance/rejection letters are distributed, and the online program is released

7 – 11 December

AGU Fall Meeting, San Francisco, CA



2020 AGU FALL MEETING

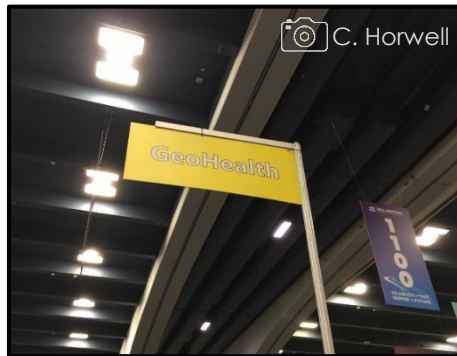
SESSION PROPOSALS DUE BY 15 APRIL 2020

Session proposals for Fall Meeting 2020 are due by 15 April ([submit here](#)). We hope to have another strong showing of GeoHealth sessions in 2020, building on the success of the GeoHealth sessions at last December’s Fall Meeting. We particularly encourage under-represented minorities, early-career scientists, and students to submit.

To optimize GeoHealth session offerings, section leadership has the following requests and offers:

If you are planning to submit a GeoHealth session, please email FMPC_GH@agu.org with your proposed topic or title. This will allow us to flag overlapping sessions that will be stronger if merged and to identify emerging gaps in the program that need to be filled with additional session proposals.

Also, please email FMPC_GH@agu.org if you are planning to list your session as a “panel” format. We will have to limit the total number of panels that GeoHealth requests, so advanced discussion will be helpful.



New to AGU? [On the fence about submitting a session?](#) Please email us at FMPC_GH@agu.org with your idea, and we can follow up with you to help you decide whether, and how, you want to convene the session.

2020 AGU Honors Program: Seeking nominations!

AGU is seeking nominations for the 2020 Honors Program. You can learn more about the AGU Honors Program, and individual awards, [here](#). The deadline for all AGU [Fellows nominations](#) and [Union Awards, Medals and Prizes](#) is April 15. Tips for preparing a strong nomination can be found [here](#).

Spread the word and remind your colleagues and peers to submit nominations!

GeoHealth Section Leadership

Executive Leadership

The AGU GeoHealth Section is now two years old! We are extremely indebted to Aubrey Miller (NIEHS) for his wonderful and dynamic leadership, and strategic vision, as our founding President, 2018-2019. Aubrey has now become our past-President and we look forward to continuing to work with him as he leads the process to elect our new President-elect for 2021-2022.

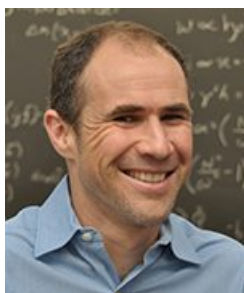
Claire Horwell is now our President (formerly President-elect) and Ben Zaitchik is now our President-elect (formerly Secretary). In order to align with the AGU election cycle, Claire will remain as President just for 2020, after which Ben will become President for 2021-2022. We are thrilled to welcome Susan Anenberg as our newly elected Secretary. Susan's role will be for three years, until the end of 2022.

President



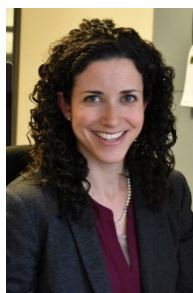
Claire Horwell

President – Elect



Ben Zaitchik

Secretary



Susan Anenberg

AGU 2020 Elections

We will now participate in the AGU 2020 elections to find a new President-elect for 2021-2022. If you are interested in nominating a colleague, or yourself, please fill out the [nomination form](#). Reach out to past-President Aubrey Miller, miller.aubrey@nih.gov, with questions. Nominations are requested by March 20.

Sub-committees

We are also pleased to welcome some new leadership for our sub-committees. Antar Jutla has taken the Senior Lead of the Awards Committee and will be setting up the first GeoHealth Section award this spring with Meredith Franklin. We would like to thank Geoff Plumlee for his leadership in this role in 2019. Amy Wolfe has taken the Early Career Lead of the Communications Committee and will be working with Mike Wimberly to produce these newsletters, amongst other outreach activities. We are very grateful to Amalia Almada for her leadership on the Communications Committee in 2019.

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SECTION LEADERSHIP

Executive Committee

President: [Claire Horwell](#)
 President-Elect: [Ben Zaitchik](#)
 Secretary: [Susan Anenberg](#)
 Past-President: [Aubrey Miller](#)

Sub-committees

Honors (Awards)

Co-chair: [Antar Jutla](#)
 Co-chair: [Meredith Franklin](#)

Communications & Engagement

Co-chair: [Michael Wimberly](#)
 Co-chair: [Amy Wolfe](#)
 Social Media Fellow:
[Natalie Linklater](#)

Early Career Development

Co-chair: [Franziska Landes](#)

Meetings

Co-chair: [Daniel Tong](#)
 Co-chair: [Morgan Gorris](#)
 Co-chair: [Jen Stowell](#)

Policy Subcommittee

Co-chair: [Lex van Geen](#)
 Co-chair: [Rebecca Rehr](#)
 Co-chair: [Christina Bandaragoda](#)

Learn [more](#) about the section leadership by visiting the [AGU GeoHealth Connect](#) website.

Interesting in working with one or more of these committees? We'd love to have you! If interested, GeoHealth section members should reach out to the appropriate committee leader(s).

SECTION LEADERSHIP, Subcommittees

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We have also appointed Natalie Linklater as our first Social Media Fellow! Natalie is running our Twitter account (@AguGeohealth) so if you have GeoHealth items that you would like her to tweet about, [let her know!](#) Finally, we aim to appoint a GeoHealth Section web administrator. If you might be interested in this position, please contact one of co-chairs on the Communications & Engagement Committee ([Michael Wimberly](#) or [Amy Wolfe](#)).

2019 AGU FALL MEETING: RECAP

We are very proud that our 2nd Fall Meeting was a huge success, once again. We would like to take this opportunity to thank all of the session conveners for their hard work. We hope that many of you are already planning your submissions for the FM2020 call for sessions.

Outstanding Student Presentations (OSPA)

GeoHealth had a strong class of student presenters at the 2019 Fall Meeting, with 42 judged presentations. Two winners were selected. Congratulations go to:

- **Yasmine Farhat**, University of Washington, for her presentation, *Climate Change and Food Quality: Altered Arsenic Availability and Uptake in Rice Under a Hotter Future*.
- **Beth Haley**, Boston University, for her presentation, *Characterizing patterns of combined sewer discharge in a drinking water source: Spatiotemporal variation of fecal indicator bacteria in the Merrimack*.

Many thanks to all OSPA participants and volunteer judges!

2019 AGU Donor Incentive Program

In 2015, AGU piloted a [section incentive program](#) that provides unrestricted funding to Sections based on the number of qualified individual donations to any AGU fund by the group’s primarily affiliated members. A contribution of \$50 or greater is required to qualify as an individual donor. With 7.14% participating from GeoHealth-affiliated members (as of 31 December 2019), our section placed 4th overall, and earned a \$2,000 incentive. Great job!

2019 Austin Student Travel Grant Challenge

The \$100 for 100 initiative worked to raise 100 gifts at \$100 from the primary membership of each AGU Section in support of the Austin Student Travel Grant Challenge and in honor of the AGU Centennial (by December 31, 2019).

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AGU President's reception. Photo: C. Horwell



President (past) Aubrey Miller addresses attendees at the GeoHealth Business Meeting and Reception. Photo: C. Horwell




Simulcast between SF and Washington DC led by @AguGeoHealth. President (past) Aubrey Miller in SF, and secretary Susan Anenberg in DC. Photo: C. Horwell

2019 AUSTIN STUDENT TRAVEL GRANT
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It was a great success – raising over \$670,000 which was matched (for a total of over \$1.3 million raised) in support of students traveling and attending future AGU Fall Meetings. This was AGU’s first ever organization-wide fundraising effort and your involvement and commitment made an important difference. More than 4,100 AGU community members made gifts to the Challenge during 2018 and 2019.

The GeoHealth section earned a \$1,000 incentive by engaging members to advertise the program (e.g., phone calls, draft communications, sending emails). Our section also had the highest participation rate in the \$100 for 100 initiative

and earned 1 complimentary registration to the 2020 Fall Meeting and complimentary hotel stay!



**Fall Meeting 2019:
The GH Section by Numbers**

Over 300 abstracts were presented during 36 sessions over 4 days.

- 19 - Poster Sessions
- 17 - Oral Sessions
- 1 - Business meeting
- 2 - Special events for early-career attendees
- 42 – OSPA participants
- 2 – OSPA Winners
- \$3,000 – Earned Incentives

UPDATE FROM THE GEOHEALTH JOURNAL

CALL FOR PAPERS

For more information, visit the [GeoHealth Journal website](#).

“Atmospheric PM2.5 in China: indoor, outdoor, and health effects”

China continues to experience air pollution despite many years of efforts to solve the problem, and the health impacts of high PM2.5 in indoor and outdoor environments have received world attention. The objectives of this special collection are to advance the understanding of PM2.5 health effects and to increase public awareness and knowledge of its diverse implications for important societal issues involving the environment, health, energy, materials, and other facets of daily life. Submission deadline: 1 May 2020.

“Mining and Planetary Health”

GeoHealth is leading in the creation of a special collection of papers on the theme of Mining and Planetary Health, to summarize the current state of knowledge, outline topics for urgent action and further research, and highlight positive efforts in environmental and health protection. We welcome submissions relating to the topics discussed in this editorial and others including, but not limited to, the following topics: (i) chronic and acute effects of mining on human and ecosystem health; (ii) the

impacts of mining on water, soil, and air quality and on the physical, chemical, and biological processes related to water management, hydrology, and resources; (iii) impacts of mining on fluvial, eolian, terrestrial, and coastal environments and on Earth surface processes (weathering and pedogenesis); (iv) mining-related dust characterization, sources, sinks, fluxes, modeling, and future trends; (v) modeling of the relationships between mining and planetary health at a range of temporal and physical scales; and (vi) future impacts of mining on water, air, food, energy, hazards, climate and weather, ecosystem and human health, and demographics. The deadline for receipt of manuscripts is 30 April 2020. Manuscripts will be published when they are accepted, even if this is before the deadline. Submission Deadline: 30 June 2020.

“Community Engaged Research to Action: Examples from GeoHealth”

The need to address geochemistry and health has never been clearer as highlighted by AGU’s new GeoHealth section and the 2017 report by the Lancet Commission on pollution and health that found contamination leads to 16% of global deaths. Improving our understanding of how our environment impacts human health, whether in the form of climate change, natural disasters, or

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contamination, and how we can solve these issues, requires working closely with those most directly impacted. This issue invites papers on projects that include community-based participatory research,

citizen science, or other approaches involving the general public in measuring their own environment. For additional information please contact: geohealth@agu.org. Submission Deadline: January 1, 2021.

UPCOMING EVENTS & OPPORTUNITIES

CONFERENCES

9th Annual American Climate Leadership Summit (ACLS 2020)

Date: 26 – 27 August 2020
Location: Washington, DC
URL: www.acls2020.org
Deadline: Registration must be completed by August 21st to secure your spot. All AGU members are eligible for the network rate (35% off!).

The 9th annual [American Climate Leadership Summit](#) (ACLS 2020) “**Ambition • Restoration • Justice**” will be bigger and bolder than ever, designed to build political will for climate solutions and a broader, more inclusive movement. See past partners, speakers, and participants in the [ACLS19 recommendations report](#) and [session videos](#). [Register today!](#)

32nd International Society for Environmental Epidemiology (ISEE)

Date: 23 - 27 August 2020
Location: Washington, DC
URL: <https://isee2020dc.org/>
Deadline(s): Abstract submissions and Travel Awards applications are due 10 Mar 2020. Register by 28 May 2020.

The 32nd annual [International Society for Environmental Epidemiology \(ISEE\)](#) conference, “Advancing Environmental Health in a Changing World”, seeks to heighten the importance of translating human environmental health science into action amid global changes in climate, geopolitics, and demographics. Check out conference programs, speakers and abstracts from [previous meetings](#).

CALL FOR PAPERS

Limnology and Oceanography: Letters Special Issue on Increasing Salinity in Freshwater and Coastal Ecosystems

Deadline: The deadline for submission of paper proposals is 30 March 2020.

Limnology and Oceanography Letters is soliciting proposed articles for proposals for contributed papers to a [Limnology & Oceanography Letters Special Issue](#) entitled, “*Increasing Salinity in Freshwater and Coastal Ecosystems*”. They seek contributed articles that will complement and expand the scope of invited papers on the following general topics: effects of salt on freshwater wetlands; biodiversity and ecosystem function responses to salt pollution; interactions between salt and other stressors; effects of salt on aquatic organisms (e.g., fish, invertebrate, bird); groundwater salt contamination; saltwater intrusion from tidal rivers to ‘ghost forests’ inland; and modelling studies that examine economic costs and human health risks. Additional details can be found [here](#).

WORKSHOPS

Workshop for Early Career Geoscience Faculty

Date: 26 – 30 July 2020; optional visit to NSF on 31 July 2020

Location: University of Maryland, College Park, MD
URL:

<https://serc.carleton.edu/NAGTWorkshops/earlycareer2020/index.html>

Deadline: March 23 for the workshop

The "Early Career Geoscience Faculty" workshop will be held July 26-30, 2020 (with an optional visit to NSF on July 31) at the University of Maryland. The workshop is part of the [On the Cutting Edge](#) professional development program for current and future geoscience faculty, and is sponsored by the [National Association of Geoscience Teachers](#) with funding provided by NAGT, and a grant from the [NSF Division of Undergraduate Education](#) and other [contributing sponsors](#). This annual workshop is designed for those in their first three years of a tenure-track or equivalent faculty position. Apply [here](#).

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UPCOMING...WORKSHOPS

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2020 AMS Summer Policy Colloquium

Date: 31 May – 9 June 2020

Location: Washington, DC, USA

URL:

<https://www.ametsoc.org/index.cfm/ams/policy/summer-policy-colloquium/>

Deadline(s): 15 April 2020 is the deadline to register. Participation is open to all but will be limited to 40 individuals. 20 Mar 2020: A limited number of graduate students and faculty will be awarded full financial support from the National Science Foundation (NSF), based on a national competition. Those seeking NSF funding must apply by 20 March 2020.

The Summer Policy Colloquium is an intensive, ten-day immersion in science policy focused on the Earth system sciences and their societal applications. Each year roughly 35 Colloquium participants meet with congressional staff, members of congress, leading officials from the executive branch, and prominent policy experts. The cohort also works through group exercises and policy simulations to learn about the interplay of policy, politics, and procedure in the United States Federal policy process. Members of the cohort develop a solid foundation of understanding for policy engagement and build strong professional networking connections. As a result, the Summer Policy Colloquium is often a career-shaping experience for participants. Alumni of the program have gone on to work in Congress, the White House, executive branch agencies, and in prominent leadership positions

throughout the weather, water, and climate community.

OTHER

Emerging Scholars Network

The Emerging Scholars Network is composed of students and next generation leaders who are dedicated to advancing the emerging field of planetary health through local community efforts, educational events, and research projects.” This effort is supported by the Planetary Health Alliance, of which the AGU is an alliance member. Interested in learning more, or establishing a club at your institution – go [here](#).

Solve Climate by 2030

From 7-9 PM (local time) on Tuesday, 7 April 2020, [The Center for Environmental Policy](#) at Bard College is organizing a national event, [Solve Climate By 2030](#), that seeks to engage more than 100,000 students across the country in dialog about state and local climate solutions. It will feature an hour-long webinar hosted by a university in each state with climate experts talking about three ambitious, but feasible, things that need to happen in your state soon if we are to get on track to solve climate by 2030. To learn more about the project, please visit [Solve Climate By 2030](#). You can sign up [here](#) to stay informed about the opportunity.

Suggestions? Events? Opportunities? Announcements? Let us know! If you have an announcement that you would like to include in the next newsletter, contact [Mike Wimberly](#) or [Amy Wolfe](#).

We hope to see you at the 2020 Fall Meeting in San Francisco!