



Welcome to our third GeoHealth Section newsletter of 2019! Section leadership has been hard at work on the program for the Fall Meeting, and we are eager to share this information with you along with other important announcements. We look forward to seeing you in San Francisco in December!

### **GeoHealth Section leadership: Nominations for GeoHealth Section Secretary**

On January 1, 2020, Aubrey Miller will be standing down as President of the GeoHealth Section. President-elect Claire Horwell will then transition into the President role and our Secretary, Ben Zaitchik, will become President-elect. We are therefore currently soliciting nominations for a new GeoHealth Section Secretary who would be in place for 3 years. Please take a look at the [nomination form](#) to read the position description and submit your nominations by November 22, 2019.

### **Support the Austin Student Travel Grant Challenge: \$100 for 100 Initiative**

The [Austin Student Travel Grant Challenge](#) is uniting members in supporting students attending their first AGU Fall Meeting. Sections are engaging across AGU to encourage participation through the “\$100 for 100” initiative – having at least 100 members from each section donate \$100 or more to the Challenge is a unique opportunity to support this historic effort and an easy way to support your Section’s financial health through the [Section Incentive Program](#), all while honoring 100 years of AGU! [Donate to the Austin Endowment for Student Travel](#) today to have your gift matched AND help support us during the 2019 Section Incentive Program.

### **2019 Fall Meeting Program**

We received a large number of high-quality abstract submissions for the 2019 Fall Meeting. As a result, we have scheduled many excellent talks and posters for the 2019 Fall Meeting in 27 GeoHealth sessions. For a handy outline of GeoHealth events at the Fall Meeting, please see the table at the end of this newsletter. We look forward to seeing you in San Francisco!

### **Become part of the GeoHealth family! Join us at our Business Meeting and Social**

Will you be at the 2019 Fall Meeting? Then please join us at the GeoHealth Section Business Meeting and Social from 6:30-8:00 PM on Tuesday, December 10 at the Marriott Marquis Foothill F. This informal meeting is a great opportunity to learn how our Section is working to promote GeoHealth, meet other Section members with similar professional interests, and volunteer to support future Section activities. We hope to see you there! You will need to sign up when you register for Fall Meeting (\$15 attendance fee).

### **The GeoHealth Section will have special events for early-career attendees**

There will be a session on Navigating a Career in GeoHealth from 11:00 AM - 12:00 PM on Wednesday, December 11 in the Career Center Theater. This session provides a platform for early-career researchers and students to learn about 1) expectations and opportunities in interdisciplinary postdocs and early-career faculty

positions across departments or in cluster hires; 2) differences in research, funding, and publication conventions between fields and departments; 3) interdisciplinary collaborations, such as with health agencies for data sharing and research-translation; and 4) career opportunities in the GeoHealth field beyond academia. This workshop is open to all, so feel free to drop in.

You can also participate in a cross-section networking trivia event from 6:30 - 8:30 PM on Thursday, December 12 at the Marriott Marquis Salons 13-15. Have some fun and network with early-career and senior researchers from the GeoHealth, Hydrology, Global Environmental Change, and Societal Impacts & Policy Sciences sections. If you want to attend the trivia event, be sure to sign up for it when you submit your meeting registration.

### **Get to know your scientific neighborhood**

Did you know that GeoHealth is part of the Science Nexus Neighborhood? As part of AGU's centennial celebration, Thursday, December 12 will be the Science Nexus Neighborhood Day. There will be a variety of special sessions and events held at the Centennial Central showcase. For more information on these programs, check out the AGU [Centennial Central](#) page.

### **Check out our GeoHealth-sponsored Union sections**

There are pleased to announce that there will be three Union sessions co-sponsored by the GeoHealth section: Water in the Coupled Earth-Human System: Convergent Science, Decision-Making, and Community Action from 16:00-18:00 on Monday December 9; The Global Scientific Legacy of the 1980 Eruption of Mount St. Helens: A 40-Year Perspective from 08:00-10:00 on Wednesday, December 11, and Earth Science Data Access and Integration at the Nexus of Science, Policy, and Society from 13:40-15:40 on Thursday, December 12.

### **Help our students by volunteering as an OSPA judge**

Fall meeting attendees can volunteer to serve as a judge for the Outstanding Student Presentation Awards (OSPAs). The OSPA program offers an opportunity to support students by providing constructive feedback on their oral and poster presentations and helping to select the top presenters for recognition by the AGU. You should expect to receive multiple emails from AGU asking for volunteers in the near future. Please participate and help support our next generation of GeoHealth scientists!

### **Schedule of GeoHealth Sessions**

Below is a list of GeoHealth related sessions and events at the Fall Meeting. Be sure to consult the [online program](#) as you plan your schedule in case of any last-minute changes.

#### **Monday, 9 December 2019**

##### **08:00 - 12:20 (Posters)**

- GH11A Monitoring, Modeling, and Forecasting Health Impacts of Fire Emissions II, Moscone South - Poster Hall
- GH11B PFAS Multimedia Measurements and Methods, Systems-Level Fate, Transport, and Exposure Modeling, Human and Ecosystem Health, Remediation, and Science Communication I (Posters), Moscone South - Poster Hall

##### **10:20 - 12:20 (Talks)**

- GH12A Water in the Coupled Earth-Human System: Convergent Science Addressing Societal Water and Health Needs I, Moscone West - 2020, L2

**13:40 - 18:00 (Posters)**

- GH13A Geohealth Action! Helping Communities Thrive on a Constantly Changing and Often Hazardous Planet Through Communication, Dissemination, and Application of Research Results I, Moscone South - Poster Hall
- GH13B Multihazard Health Disasters: Exploring the Causes, Consequences, and Remediation of Compound Health-Impacting Natural Hazards I, Moscone South - Poster Hall
- GH13C Toward Healthy Resilient Communities: Public Health Impacts of Infrastructure Failures During Natural Hazards I, Moscone South - Poster Hall
- GH13D Water in the Coupled Earth-Human System: Convergent Science Addressing Societal Water and Health Needs II, Moscone South - Poster Hall

**16:00 - 18:00 (Talks)**

- GH14A Monitoring, Modeling, and Forecasting Health Impacts of Fire Emissions I, Moscone West - 2020, L2
- U14B Water in the Coupled Earth-Human System: Convergent Science, Decision-Making, and Community Action, Moscone South - 303-304, L3

**Tuesday, 10 December 2019****08:00 - 12:20 (Posters)**

- GH21B Satellites at the Intersection of Health and Air Quality: Seeing What You Breathe and Understanding Disease Exposures: NASA Earth Observation Systems and Applications for Public Health, Air Quality, Environmental Management, and Public Outreach II, Moscone South - Poster Hall
- GH21C AGU-AMS Joint Session on Geohealth Grand Challenges: Detecting, Attributing, and Reducing the Global Burden of Disease from Environmental Exposures II, Moscone South - Poster Hall

**08:00 - 10:00 (Talks)**

- GH21A Water Is Life: Understanding Geogenic Groundwater Contamination and Improving Public Health Through Advances in Assessments, Water Quality Modeling, and Water Supply Management I, Moscone West - 2020, L2

**10:20 - 12:20 (Talks)**

- GH22A Water Is Life: Understanding Geogenic Groundwater Contamination and Improving Public Health Through Advances in Assessments, Water Quality Modeling, and Water Supply Management II, Moscone West - 2020, L2

**13:40 - 18:00 (Posters)**

- GH23B Water Is Life: Understanding Geogenic Groundwater Contamination and Improving Public Health Through Advances in Assessments, Water Quality Modeling, and Water Supply Management III, Moscone South - Poster Hall

**13:40 - 15:40 (Talks)**

- GH23A AGU-AMS Joint Session on Geohealth Grand Challenges: Detecting, Attributing, and Reducing the Global Burden of Disease from Environmental Exposures I, Moscone West - 2020, L2

**16:00 - 18:00 (Talks)**

- GH24A Satellites at the Intersection of Health and Air Quality: Seeing What You Breathe and Understanding Disease Exposures: NASA Earth Observation Systems and Applications for Public Health, Air Quality, Environmental Management, and Public Outreach I, Moscone West - 2020, L2

**18:30 - 20:00 (Meeting)**

- GeoHealth section business meeting, Marriott Marquis Foothill F

**Wednesday, 11 December 2019****08:00 - 12:20 (Posters)**

- GH31B Extreme Heat: Understanding Vulnerability, Risk, and the Implications for Policy, Individual and Community Health, Economics, and Natural Resources III, Moscone South - Poster Hall
- GH31C Geohealth Research in the Global South: Themes and Priority Research Questions I, Moscone South - Poster Hall
- GH31D Global Warming and Public Health: Vulnerability, Impacts, and Adaption by Earth Observations I, Moscone South - Poster Hall

**08:00 - 10:00 (Talks)**

- GH31A Impacts of Mining, Coal Production, and Coal Combustion Residuals on Human and Planetary Health I, Moscone West - 2020, L2
- U31B The Global Scientific Legacy of the 1980 Eruption of Mount St. Helens: A 40-Year Perspective, Moscone South - 303-304, L3

**10:20 - 12:20 (Talks)**

- GH32A Assessment of Global Climate Variability and Hydroclimatological Processes on Infectious Diseases I, Moscone West - 2020, L2

**11:00-12:00 (Early Career Event)**

- Navigating a Career in GeoHealth, Career Center Theater

**13:40 - 18:00 (Posters)**

- GH33B Assessment of Global Climate Variability and Hydroclimatological Processes on Infectious Diseases II, Moscone South - Poster Hall
- GH33C Impacts of Mining, Coal Production, and Coal Combustion Residuals on Human and Planetary Health II, Moscone South - Poster Hall

**13:40 - 15:40 (Talks)**

- GH33A Extreme Heat: Understanding Vulnerability, Risk, and the Implications for Policy, Individual and Community Health, Economics, and Natural Resources I, Moscone West - 2020, L2

**16:00 - 18:00 (Talks)**

- GH34A Extreme Heat: Understanding Vulnerability, Risk, and the Implications for Policy, Individual and Community Health, Economics, and Natural Resources II, Moscone West - 2020, L2

**Thursday, 12 December 2019****08:00 - 12:20 (Posters)**

- GH41B Environment, Pathogenic Agents, and Infectious Diseases I, Moscone South - Poster Hall
- GH41C Monitoring, Modeling, and Mapping of Geohealth Indicators for Environmental Pathogens I, Moscone South - Poster Hall

**08:00 - 10:00 (Talks)**

- GH41A Health Effects of Atmospheric Fine Dust and Gases I, Moscone West - 2020, L2

**10:20 - 12:20 (Talks)**

- GH42A Geochemistry to Health: Linking Geoscience to Exposures and Health Impacts of Nutrients and Toxicants I, Moscone West - 2020, L2

**13:40 - 18:00 (Posters)**

- GH43B Bio-Nano Interactions in Subsurface Environments: From Modeling to Field Scales I, Moscone South - Poster Hall

- GH43C Geochemistry to Health: Linking Geoscience to Exposures and Health Impacts of Nutrients and Toxicants II, Moscone South - Poster Hall
- GH43D Health Effects of Atmospheric Fine Dust and Gases II, Moscone South - Poster Hall

**13:40 - 15:40 (Talks)**

- GH43A Integrating Human Response into Air Pollution Studies I, Moscone South - eLightning Theater I
- U43A Earth Science Data Access and Integration at the Nexus of Science, Policy, and Society, Moscone South - Hall D, Centennial Central

**16:00 - 18:00 (Talks)**

- GH44A Earth System Interactions and Implications for Geohealth I, Moscone South - eLightning Theater I

**18:30 - 20:00 (Social Event)**

- Cross-section networking trivia event, Marriott Marquis Salons 13-15. If you are interested, be sure to select this event when you register for the meeting.