

# Agenda

## Global Environmental and Occupational Health (GEOHealth) Hubs 2023 Virtual Network Meeting

Day 1	Wednesday, May 24, 2023	08:00 AM – 3:00 PM EDT
Day 2	Thursday, May 25, 2023	08:00 AM – 1:00 PM EDT

[\(time converter\)](#) can assist in determining your local time)

### Day 1 - Wednesday, May 24 – 8:00am – 3:00pm EDT

7:30-8:00am **Virtual meeting room opens** (please join early to test connectivity)

8:00-8:10am **Welcome**  
Dr. Peter Kilmarx, Acting FIC Director

8:10-8:25am **Meeting Overview and Goals**  
Dr. Christine Jessup, GEOHealth Program Director, FIC

8:25-9:45am **GEOHealth Hub Updates – Session 1** *15 minutes per hub presentation*  
Moderator: Dr. Michael Humble, NIEHS

**Long term effects of household air pollution (HAP) reduction on cardio-pulmonary and immune function outcomes – a household level randomized mHealth intervention trial**  
Dr. Rubhana Raqib, icddr,b, Bangladesh  
Dr. Habibul Ahsan, University of Chicago

**Mongolian Center for Environmental and Occupational Health: Air Pollution Research and Trainee Engagement**  
Dr. Dambadarjaa Davaalkham, Mongolian National University of Medical Sciences, Mongolia  
Dr. Gregory C. Gray, University of Texas Medical Branch

**GEOHealth Hub India**  
Dr. Dorairaj Prabhakaran, Centre for Chronic Disease Control, India  
Dr. Nancy Long Sieber, Harvard T.H. Chan School of Public Health

#### Discussion

9:45-9:55am **Break**

9:55-11:35am **GEOHealth Hub Updates – Session 2** *15 minutes per hub presentation*  
Moderator: Dr. Damali Martin, NIA

**The Eastern Africa GEOHealth Hub: Setup, Progress and Plans**  
Dr. Kiros Berhane, Columbia University  
Dr. Abera Kumie, Addis Ababa University

**Update from GeoHealth Hub on Climate Change and Health in the Middle East and North Africa**

Dr. Wael Al-Delaimy, UC San Diego

Dr. Fayez Abdullah, Jordan University of Science and Technology

**Global Environmental and Occupational Health Research and Training Hub in the Middle East and North Africa**

Dr. Iman Nuwayhid, American University of Beirut

Dr. Hani Mowafi, Yale University

**Regional GEOhealth Hub Centered in Perú**

Dr. Stella Hartinger, Universidad Peruana Cayetano Heredia

**Discussion**

**11:35-12:15pm Lunch Break**

Virtual meeting room will remain open for discussions and breakout rooms can be made available for discussions if requested.

**12:15 - 1:20pm GEOHealth Trainee/Collaborator Presentations Session 1 5 minutes per speaker**

Moderator: Dr. Minki Chatterji, NIA

Assessment of Household Air Pollution and Personal Exposure among school children in Kampala Capital City, Uganda	Mr. Samuel Etajak	Makerere University School Health, Uganda
Occupational Heat Stress in the Floriculture Industry of Ethiopia: Health Risks and Productivity Losses	Dr. Belay Simane	Addis Ababa University, Ethiopia
Heatwave Added Effects: Case Study from Amman-Jordan	Mr. Yazan Al-Wadi	Jordan University of Science and Technology, Jordan
Fine particulate matter air pollution and health implications for Nairobi, Kenya	Dr. Otienoh Oguge	University of Nairobi, Kenya
Relationship between particulate matter (PM2.5) air pollution and emergency hospital visits for chronic respiratory diseases in 24 cities in Peru (2023-2024)	Ms. Luciana Blanco	Universidad Peruana Cayetano Heredia, Peru
Modification of vaccine association with COVID-19 risk of death by altitude of residence in Peru: A Matched Nested Case-Control Study	Ms. Cinthya Vasquez	Universidad Peruana Cayetano Heredia, Peru
Association between PM2.5 and hospital visits for respiratory diseases and impact of vehicular traffic mitigation strategies	Mr. Jose Guillen	Universidad Peruana Cayetano Heredia, Peru
Air Quality and Health Effect in Kampala City, Uganda: Results from 4 years of continuous PM2.5 concentration monitoring using BAM	Dr. Lynn Atyambe	Makerere University School of Public Health, Uganda

1:20 – 2:20pm **Research Workforce Diversity in Environmental and Occupation Health in LMICs**  
Ms. Nalini Anand, FIC

The NIH supports a number of initiatives focused on enhancing diversity and inclusion in biomedical research – bringing together scientists and trainees from diverse backgrounds and life experiences to address complex scientific problems (e.g., COMPASS, UNITE, etc.). In this session, we will explore these issues in the context of LMICs and specifically in the field of environmental and occupational health in LMICs.

**Discussion Questions:**

- How do you define the underrepresented groups in biomedical research workforce, and specifically in environmental and occupational health, in your country/region?
- What strategies have you used to target and recruit underrepresented groups in your training pools?
- Were those strategies successful? What challenges did you encounter in implementing those strategies (institutional, administrative, etc.)?
- Are there unique barriers in the field of environmental and occupational health that should be addressed to enhance representation?

*1:20-1:25 Introduction*

*1:25-1:55 Breakout Discussions*

*1:55-2:20 Reconvene, report out and discussion*

2:20-2:50pm **Authorship guidelines and equity in global environmental and occupational health research**

Dr. Joshua Rosenthal, FIC

**Discussion Questions:**

- Do you use the ICMJE recommendations on roles for authors and contributors in deciding authorship on papers?  
<https://www.icmje.org/recommendations/browse/roles-and-responsibilities/defining-the-role-of-authors-and-contributors.html>
- In what ways do these guidelines fairly or unfairly address the needs of LMIC scientists?
- What contributions do you believe merit authorship, including order of names?
- What contributions do not necessarily merit authorship on scientific papers, and what alternative means of recognition do you see as valuable and relevant for those contributors?

2:50-3:00pm **Wrap-up and Adjourn Day 1**

## Day 2 - Thursday, May 25 – 8:00am – 1:00pm EDT

7:30-8:00am **Virtual meeting room opens** (please join early to test connectivity)

8:00-8:10am **Day 2 Welcome and Overview**

Dr. Christine Jessup

8:10-9:20am **GEOHealth Trainee/Collaborator Presentations - Session 2** *5 minutes per speaker*

Moderator: Dr. Curt DellaValle, NCI

Nationwide prediction of ambient PM2.5 using machine learning at fine spatiotemporal resolution	Dr. Siddhartha Mandal	Centre for Chronic Disease Control, New Delhi, India
Dust storms and PM and the importance of forecasting PM	Mr. Anass Houdou	Mohammed VI University of Sciences and Health of Morocco
Urban Air Pollution in India	Dr. Bhargav Krishna	Centre for Policy Research, New Delhi, India
Advancing heat health actions - translating science to policy	Mr. Abhiyant Tiwari	NRDC India
Presence of health compromising substances in fish-farming ponds and fishes of two districts in Bangladesh	Dr. Evana Akhtar	icddr,b, Bangladesh
Cardiovascular health effects of air pollutants: A longitudinal study in rural Bangladesh	Dr. Muhammad Ashique Haider Chowdhury	University of Chicago and icddr,b, Bangladesh
Effect of solar and geomagnetic activity on pulmonary function and impact of air pollution	Ms. Kritika Anand	Centre for Chronic Disease Control, New Delhi, India
Status of particulate matter (PM2.5) population and its possible health effect in Addis Ababa: results from a time series study	Dr. Abera Kumie	Addis Ababa University, Ethiopia
Syrian Refugees in Lebanon: The Interplay Between Social and Environmental Stressors	Ms. Josleen Al Barathie	American University of Beirut, Lebanon
Syrian Refugee Agricultural Workers: A Double Marginalized Community	Ms. Sarah Ali Assaf	American University of Beirut, Lebanon

9:20-10:00am **Administrative Session**

### Program Updates

Dr. Christine Jessup, FIC

### Grants Management Updates

Ms. Mollie Shea, FIC Grants Management

10:00-10:30am **Break**

FIC grants manager for the GEOHealth awards will be available to meet with PIs to answer questions about current issues. Email questions to [mollie.shea@nih.gov](mailto:mollie.shea@nih.gov) with the subject line "GEOHealth Meeting Grants Question".

10:30-11:00am **Relevant Funding Opportunities**, including:

Climate Change and Health – Dr. Abee Boyles, NIEHS

Alzheimer's Research – Dr. Damali Martin, NIA

Women's Health – Dr. Benjamin Johns, OD/ORWH

FIC Opportunities (Career Development, etc.) – Dr. Christine Jessup, FIC

11:00-12:15pm **The Role of Implementation Science in Environmental Public Health**

Dr. Lindsey Martin, NIEHS

Our environment, including exposures in the physical, chemical, built, and social environments, can negatively affect the health of individuals and communities across the world. This session will highlight the role of implementation science to inform the development, adaptation, implementation and scale-up of interventions, practices, and policies to prevent and/or mitigate potentially harmful environmental exposures and ultimately advance environmental health equity. After participating in this session, attendees should be able to 1) describe what implementation science is and its core principles and 2) explain the role of implementation science in environmental public health.

**Pre-Work:**

- **Reading:** [Advancing environmental health sciences through implementation science](#)
- **Podcast:** [Using Implementation Science to Move Environmental Health Discoveries into the Real-world](#)

**Discussion Questions:**

- How can you use implementation science in your own research?
- What are some of the benefits and/or challenges to using implementation science in LMIC settings?
- How can we build capacity in implementation science to address global environmental and occupational health issues?

12:15-1:00pm **Discussion, Wrap-up, and Adjourn**