Welcome

Virtual Workshop on Health Applications for Satellite-Derived Air Quality

Session 1: Setting the stage for trusted, high-quality satellite remote sensing data of air quality in health applications

April 20, 2022 | 10:00 AM – 12:00 PM EDT

For the full program, please visit: https://tinyurl.com/HEISatelliteWorkshop.

We welcome you to complete the pre-workshop survey at https://www.surveymonkey.com/r/3W56PPC.
Before we begin

All attendees are muted (view-only) for the duration of the webinar.

There will be a Q&A period after the presentations. Please submit questions via the Q&A function at any time during the webinar. You can also “upvote” questions in the Q&A.

If you experience any logistical difficulties, please contact us using the “Chat” box.

Webinar slides and video will be available in the coming weeks. Please check HEI website for details: https://tinyurl.com/HEISatelliteWorkshop.

Please tell us about your work on satellites, air quality, and health on the pre-workshop survey, available at https://www.surveymonkey.com/r/3W56PPC.
The Health Effects Institute

An independent, nonprofit corporation chartered to provide policy-relevant, high-quality, and impartial science

Funded jointly by government and the worldwide motor vehicle industry and, occasionally, private foundations

Funds research that is selected, conducted, overseen, and reviewed independently of HEI’s sponsors

Does not take policy positions
Ensuring the Quality of Research Funded by HEI

HEI Research Committee
- Strategic Plan
- Applications and ongoing studies

HEI Review Committee
- Review of final report
- Develop a Critique to highlight strengths and weaknesses

Independent QA/QC
- Data collection and documentation
- Quality of the final report

Impact
- Communicate to Sponsors and the Public

Science staff work with the independent committees at all stages of studies
HEI Research Committee

HEI staff work with the Research Committee on:

- Strategic planning
- Defining research needs in Requests for Applications (RFAs)
- Selecting and overseeing funded studies
Workshop Agenda

Setting the stage for trusted, high-quality satellite remote sensing data of air quality in health applications
Wednesday April 20, 2022, 10:00 AM to 12:00 PM EDT

Global applications of satellite-derived air quality data
Friday April 29, 2022, 9:00 AM to 11:00 AM EDT

Pushing the methodological limits on satellite use in health applications
Thursday May 5, 2022, 1:00 PM to 3:00 PM EDT

Roundtable discussion on the future of satellite remote sensing of air quality in health applications
Wednesday May 18, 2022, 10:00 AM to 11:30 AM EDT
Session 1: Setting the stage for trusted, high-quality satellite remote sensing data of air quality in health applications

Chairs: Jeff Brook, University of Toronto, Canada and HEI Research Committee, and Tracey Holloway, University of Wisconsin—Madison and leader of NASA HAQAST

10 min Opening remarks

25 min Satellite remote sensing of air quality
Yang Liu, Emory University

25 min Application of satellite-derived air quality estimates for epidemiology studies in data-rich areas
Qian Di, Tsinghua University

25 min Capacity development opportunities to improve the utilization of satellite remote sensing for health applications and communications
Ana Prados, Battelle

35 min Q&A
Session 1 Chairs and Speakers

Dr. Jeff Brook
University of Toronto, Canada and HEI Research Committee

Dr. Tracey Holloway
University of Wisconsin—Madison and leader of NASA HAQAST

Dr. Yang Liu
Emory University

Dr. Ana Prados
Battelle

Dr. Qian Di
Tsinghua University
Please join the remaining workshop sessions

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Session topics Include:

- Risks to population health
- Issues of environmental justice
- Air pollution and climate change
- Cutting-edge research methodologies

https://www.healtheffects.org/annual-conference