Welcome

Virtual Workshop on Health Applications for Satellite-Derived Air Quality

Session 3: Pushing the methodological limits on satellite use in health applications

May 5, 2022 | 01:00 PM – 03:00 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.
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

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Professor, Department of Environmental Health, Boston University School of Public Health

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 3: Pushing the methodological limits on satellite use in health applications

Chairs: Heather Holmes, University of Utah and HEI Research Committee, and Yang Liu, Emory University

10 min Opening remarks

25 min Quantifying and communicating uncertainty in air quality estimates
\textit{Dan Goldberg, The Milken Institute School of Public Health at the George Washington University}

25 min Interpretation and improvement of air quality data from Geostationary Environment Monitoring Spectrometer (GEMS)
\textit{Heesung Chong, Center for Astrophysics, Harvard & Smithsonian}
\textit{Jhoon Kim, Yonsei University, Korea}

25 min Observing nitrogen dioxide air pollution inequality in U.S. cities from space
\textit{Sally Pusede, University of Virginia}

35 min Q&A
Session 3 Speakers

Dr. Dan Goldberg
George Washington University, USA

Dr. Heesung Chong
Center for Astrophysics, Harvard & Smithsonian, USA

Dr. Jhoon Kim
Yonsei University, Korea

Dr. Sally Pusede
University of Virginia, USA
Please join the final workshop session

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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