



Meeting of the NASA Health and Air Quality Applied Sciences Team

May 13th and 14th, 2026

Pyle Center - Madison, WI / Online via Zoom

Tuesday, May 12th

6:00-7:00pm Pre-meeting Networking
(Memorial Union)

Wednesday, May 13

(Pyle Center and Online via Zoom)

8:30-9:00 Breakfast & Networking (Lee Lounge)

**9:00-9:45 Session 1: Overview of NASA
HAQAST** (Room 209)

9:45-10:15 Coffee & Networking (Lee Lounge)

10:15-11:30 Session 2A and 2B

**Session 2A: Tracking air pollution under
smoke and dust with satellite data** (Room
209)

Moderator: *Amber Soja* (NASA Langley,
HAQAST Member)

- *Xi Chen* (Univ. Iowa, HAQAST Member)
- *Leif Paulson* (Wyoming DEQ)
- *Amanda Fritz* (Connecticut DEEP)
- *Travis Toth* (NASA Langley, HAQAST Member)

**Session 2B: Evaluating emissions and
anthropogenic activities** (Room 226)

Moderator: *Aaron Naeger* (NASA, HAQAST Member)

- *Tracey Holloway* (UW Madison, HAQAST Member)
- *Angie Dickens* (LADCO)
- *Jennifer Kaiser* (Georgia Tech, HAQAST Member)
- *Sarah Benish* (National Atmospheric Deposition Program)

11:30-1:15 Lunch (on your own)

1:15-2:30 Session 3A and 3B

**Session 3A: Managing urban heat and
health responses** (Room 209)

Moderator: *Jeff Pierce* (Colorado State University,
HAQAST Member)

- *Chris Uejio* (Florida State Univ., HAQAST Member)
- *Yun Hang* (University of Texas Health Science Center at Houston)
- *Megan Christenson* and *Kate Beardmore* (Wisconsin DHS)
- *Robert Phocas* (Southeast Sustainability Directors Network)

**Session 3B: Improving access, analysis, and
awareness of satellite data for air quality and
health** (Room 226)

Moderator: *Carl Malings* (Morgan State Univ., HAQAST
Member)

- *Randall Martin* (Washington University in St. Louis,
HAQAST Member)
- *Jenny Bratburd* (UW Madison, HAQAST co-I)
- *Sarah Kroening* (Children's Health Alliance of Wisconsin)
- *Kevin Crowe* (Washington Post)

2:30-3:00 Networking Break (Lee Lounge)

3:00-4:15 Session 4A and 4B

**Session 4A: Integrating low-cost sensors and
satellite data in air quality decision-making**
(Room 209)

Moderator: *Pawan Gupta* (NASA Goddard, HAQAST
Member)

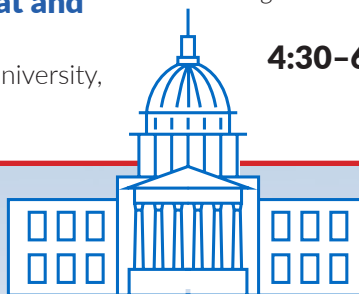
- *Jeff Pierce* (Colorado State Univ., HAQAST Member)
- *Jingqiu Mao* (Univ. of Alaska, HAQAST Member)
- *Vishal Joseph* (Univ. of Chicago)
- *Leticia Nogueira* (American Cancer Society)

**Session 4B: Data for impact, what scientists
can learn from journalists and
communications officers** (Room 226)

Moderator: *Randall Martin* (Washington University in St.
Louis, HAQAST Member)

- *Rachel Ramirez* (Freelance journalist)
- *Rebecca Theim* (The Pew Charitable Trusts)
- *Joan Meiners* (Arizona Republic)
- *Virginia Gewin* (Freelance journalist)

4:30-6:30 Poster Session (Lee Lounge)





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Thursday, May 14

(Pyle Center and Online via Zoom)

7:30–9:00 Breakfast & Networking (Lee Lounge)

9:00–10:15 Panel 5A, 5B, and 5C/Outrider Session I

Session 5A: Using satellite data for operational air quality decisions (Room 327)

Moderator: *Jingqiu Mao* (Univ. of Alaska, HAQAST Member)

- *Carl Malings* (Morgan State Univ., HAQAST Member)
- *Samuel Kay* (District of Columbia, Department of Energy & Environment)
- *Minh Nghiem* (OpenAQ)
- *Nico Schulte* (South Coast AQMD)

Session 5B: Meeting the challenge of satellite data continuity (Room 305)

Moderator: *Travis Toth* (NASA Langley, HAQAST Member)

- *Amber Soja* (NASA Langley, HAQAST Member)
- *Kazuyuki Miyazaki* (NASA JPL)
- *Dan Goldberg* (George Washington Univ.)
- *Bob Carp* (UW-Madison)

Session 5C: Outrider Session I (Vandenberg Auditorium/121)

Welcome and Introductions

- *David Vitse* (Outrider Foundation)

Science and Media Resources for Journalists

- *Hazem Mahmoud* (NASA)

Covering the Uncovered: NASA stories that journalists need to know about for 2026

- *Jon Martin* (UW Madison)
- *Steve Ackerman* (UW Madison)
- *Arlene Fiore* (MIT, HAQAST Member)
- *Chris Uejio* (Florida State Univ., HAQAST Member)
- *Randall Martin* (Washington Univ. in St. Louis, HAQAST Member)

10:15–10:45 Networking Break (Lee Lounge)

10:45–12:00 Panel 6A, 6B, and 6C/Outrider Session II

Session 6A: How are machine learning and AI changing the work of satellite-data in decision-making on air quality and environmental health? (Room 327)

Moderator: *Xi Chen* (Univ. Iowa, HAQAST Member)

- *Bryan Duncan* (NASA Goddard, HAQAST Co-I)
- *Elise Penn* (ZeusAI)
- *Dhruvit Patel* (Silurian AI)
- *Pawan Gupta* (NASA Goddard, HAQAST Member)

Session 6B: Characterizing ozone production regimes with satellite data (Room 305)

Moderator: *Jennifer Kaiser* (Georgia Tech, HAQAST Member)

- *Arlene Fiore* (MIT, HAQAST Member)
- *Aaron Naeger* (NASA, HAQAST Member)
- *Xiangyu Jiang* (Georgia EPD)
- *Kelly Crawford* (Bay Area Air Quality Management District)

Session 6C: Outrider Session II (Vandenberg Auditorium/121)

10:45–11:30 Legacies Revisited - Updates on Historic Environmental Successes

Moderator: *Tracey Holloway* (UW-Madison, HAQAST Member)

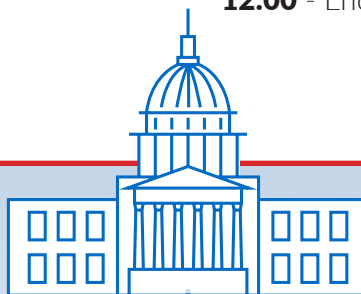
- *Michael Hawthorne* (Chicago Tribune)
- *Sarah Benish* (National Atmospheric Deposition Program)
- *Brad Pierce* (UW-Madison)

11:30–12:00 Data for the Novice

Moderator: *Caitlin Looby* (Milwaukee Journal-Sentinel)

- *Rebecca Leber* (Reporter and climate researcher)
- *Sylvia Troost* (Pew Charitable Trusts)
- *Kevin Crowe* (The Washington Post)

12:00 - End of HAQAST Meeting





Poster Presenters

Ahmed Salman

(GESTAR-II ERT / NASA GSFC)

Alexander Radkevich

(ASDC, NASA LaRC; ADNET Inc.)

Cara Scalpone

(University of Wisconsin-Madison)

Chandler Wells

(University of Wisconsin-Madison)

Daniel Bellamy

(University of Alaska Fairbanks)

Daniel Friedland

(University of Wisconsin-Madison)

Gabriel Mojica

(NASA Langley Research Center ASDC)

Haihui Zhu

(Colorado State University)

Hephatha Lutheran Church Youth Apprentices

(Hephatha Lutheran Church)

Jennifer McGinnis

(Colorado State University)

Jessie (Huanxin) Zhang

(University of Iowa)

Jin Yu

(Jet Propulsion Laboratory)

Johnny Uelmen

(University of Wisconsin-Madison)

Joseph Kozminski

(Lewis University)

Joseph Palmo

(Massachusetts Institute of Technology)

Kane Samuel

(District of Columbia, Department of Energy & Environment)

Lulu Chen

(George Washington University)

Mashiat Hossain

(University of Illinois Urbana-Champaign)

Maurice Roots

(NASA Goddard Space Flight Center)

Pat Reddy

(University of Wisconsin-Madison)

Sarah Marmolejos

(University of Wisconsin-Madison)

Sujan Neupane

(UMBC GESTAR II, NASA Goddard Space Flight Center)

Summer Acker

(University of Illinois Urbana-Champaign)

