

## HAQAST Update22

*The 2022 Meeting of the  
NASA Health and Air Quality Applied Sciences Team*

### Agenda

*January 20 & 21, 2022*

Location: Online

Streaming and Zoom-based meetings at <https://haqast.org/haqast-houston/>

Virtual Coffee Networking Zoom:

<https://uwmadison.zoom.us/j/92873189552?pwd=OXBIUEoyODgrb0JyLzBRdUN4b0pxdz09>

Webinar Room A: <https://uwmadison.zoom.us/j/95577125542>

Webinar Room B: <https://uwmadison.zoom.us/j/93907990368>

**Day 1, Thursday, January 20<sup>th</sup>**

#### **8:30 – 9:00 CST Virtual Coffee Networking**

#### **9:00 – 10:15 CST Session 1: Overview of NASA HAQAST (Webinar Room A)**

*Tracey Holloway (HAQAST Team Leader, University of Wisconsin—Madison)*

*John Haynes (Program Manager for Health and Air Quality Applications)*

#### **10:15 – 10:40 CST Virtual Coffee Networking**

*Each panel session will have four 10-minute talks followed by 35 minutes of discussion, and they will include one moderator to facilitate discussion. Online panels will be held via Zoom.*

#### **10:45 – 12:00 CST Session 2: Environmental Justice (A) and Wildfire Smoke (B)**

Session 2A - Satellite Data for Environmental Justice

*Qian Xiao (HAQAST Member and Tiger Team Lead, University of Texas Health Science Center at Houston)*

*Susan Anenberg (HAQAST Member and Tiger Team Lead, George Washington University)*

*Mindi DePaola and Grace Lewis (Environmental Defense Fund)*

*Barry Lefer (NASA)*

Session 2B - Wildfires, Smoke, and Exceptional Events

*Jingqiu Mao (HAQAST Member, University of Alaska, Fairbanks)*

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

*Tom Moore* (Western States Air Resources Council, Western Regional Air Partnership)  
*Sara Strachan* (Idaho Department of Environmental Quality)

**12:00 – 2:00 CST Lunch Break**

**2:00 - 3:15 CST Session 3: Climate (A) and Health Disparities (B)**

Session 3A - Climate Change, Air Quality, and Health

*Arlene Fiore* (HAQAST Member, Massachusetts Institute of Technology)

*Yang Liu* (HAQAST Member, Emory University)

*Leticia Nogueria* (American Cancer Society)

*Alberto Ayala* (Sacramento Metropolitan Air Quality Management District)

Session 3B – Health Disparities from Rural Agricultural and Prescription Burning and Urban PM sources

*Sheryl Magzamen* (HAQAST Tiger Team Lead, Colorado State University)

*Amber Soja* (HAQAST Member and Tiger Team Lead, National Institute of Aerospace, NASA LaRC)

*Sina Hasheminassab* (South Coast Air Quality Management District)

*Ana Prados* (Battelle)

**3:15 – 3:40 CST Virtual Coffee Networking**

**3:45 – 5:00 CST Session 4: NO<sub>x</sub> Emissions (A) and Disasters (B)**

Session 4A – Estimating Urban NO<sub>x</sub> Emissions

*Daniel Goldberg* (HAQAST Investigator and Tiger Team Lead, George Washington University)

*James East* (North Carolina State/EPA ORISE)

*Alexandra Karambelas* (Northeast States for Coordinated Air Quality Management/NESCAUM)

*Tracey Holloway* (HAQAST Member, University of Wisconsin-Madison)

Session 4B - Satellite Data for Disasters

*Daniel Tong* (HAQAST Member, George Mason University)

*Chris Uejio* (HAQAST Member, Florida State University)

*Natalie Shepp* (Pima County, Arizona)

*Mary Uhl* (Western States Air Resources Council)

**5:15 Flash Talks (5:15-6:15 pm - CST), 3 min each (Webinar Room A)**

*Speakers*

*Carl Malings* (NASA/USRA)

*Amit Raysoni* (University of Texas Rio Grande Valley)

*Huanxin (Jessie) Zhang* (University of Iowa)

*Yun (April) Hang* (Emory University)

*Alqamah Sayeed* (USRA/ NASA-MSFC)

*Diana Guzman Barraza* (Carbon Limits, Consultant)

*Tim Dye* (TD Environmental Services, LLC)  
*Lingzhi Jin* (International Council on Clean Transportation)  
*Eric Choi* (GHGSat Inc.)  
*Amrit Kumar* (Amity University Haryana)  
*Priyanka deSouza* (University of Colorado Denver)  
*Madankui Tao* (Columbia University)

**Day 2, Friday, January 21<sup>st</sup>**

**8:30 – 9:00 CST Virtual Coffee Networking**

**9:00 – 10:15 CST Session 5: COVID and AQ (A) and Public Communication (B)**

Session 5A - Tracking COVID-19 Impacts on Air Quality

*Randall Martin* (HAQAST Member, Washington University)  
*Gaige Kerr* (HAQAST Investigator, George Washington University)  
*Adeline Yerkes* (National Association of Chronic Disease Directors)  
*Emily Hall* (Texas Department of State Health Services)

Session 5B - Satellite Data for Public Communication

*Pawan Gupta* (HAQAST Member and Tiger Team Lead, Universities Space Research Association)  
*Maria Harris* (Environmental Defense Fund)  
*Kelly Crawford* (DC Department of Energy & Environment)  
*Stephanie Christel* (Department of State)

**10:15 – 10:40 CST Virtual Coffee Networking**

**10:45 – 12:00 CST Session 6: Local-Scale Pollution (A) and Data Access (B)**

Session 6A - Characterizing Local Scale Pollution Sources

*Ted Russell* (HAQAST Member, Georgia Institute of Technology)  
*Byeong-Uk Kim* (Georgia Environmental Protection Division)  
*Abbey Nاستان* (NASA Jet Propulsion Laboratory)  
*Jay Baker* (Western States Air Resources Council)

Session 6B – Growing Access to Data Products for Health and AQ Applications

*Kevin Cromar* (HAQAST Investigator and Tiger Team Lead, New York University)  
*Bryan Duncan* (HAQAST Member, NASA Goddard Space Flight Center)  
*Jennifer Wei* (*unconfirmed*) (Goddard Earth Science)  
*Sarah Johnson* (New York City Department of Health)

***End of Public Meeting***

**12:00 – 3:30 CST HAQAST Team Meeting**

HAQAST team members and investigators