

Air Quality, Wildfires, and Respiratory Health Work Group

Nathan Pavlovic (Sonoma Technology)

Carl Malings (NASA GSFC/Morgan State University)

Air Quality, Wildfires & Respiratory Health Work Group Goals

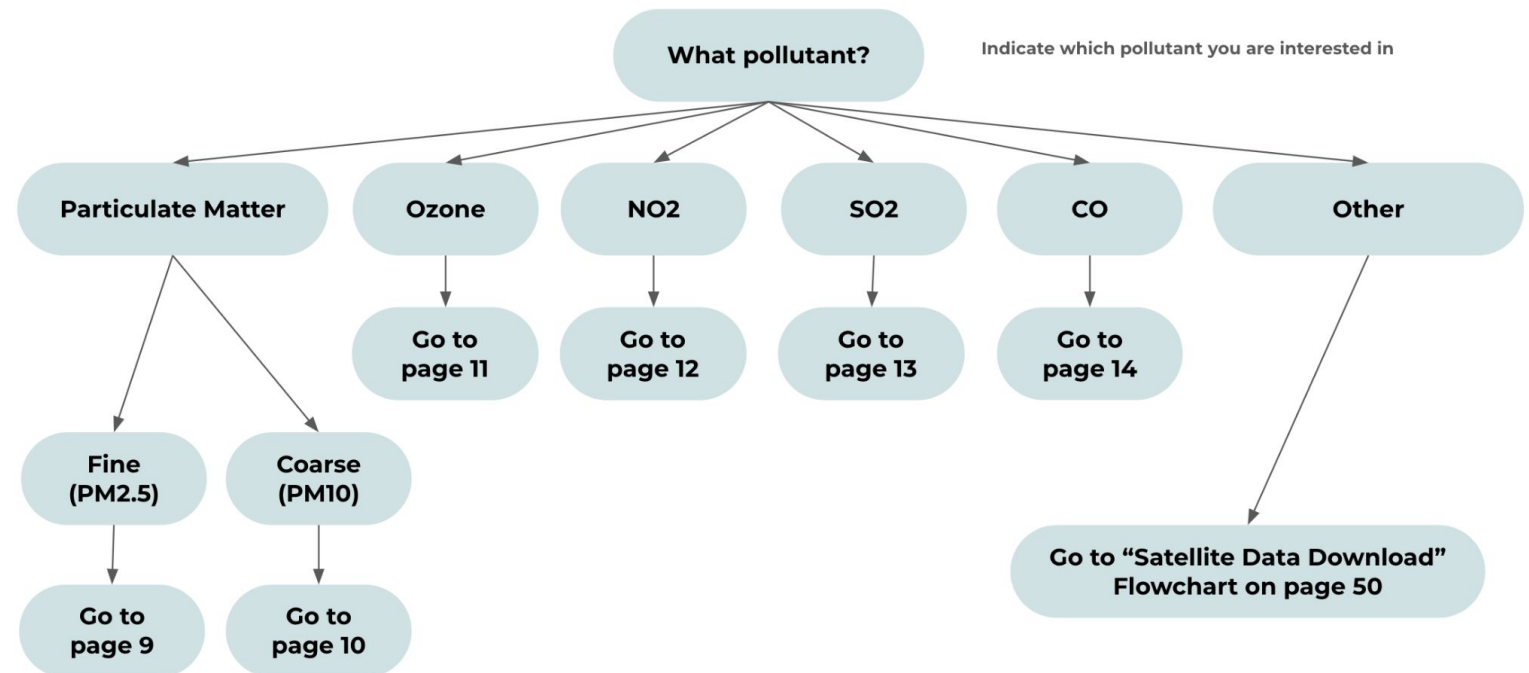
This work group aims to identify and disseminate recent advances in air quality applications of Earth observations, including geostationary satellites, small-sats, and data fusion, and the application of these tools to advance management and decision-making related to health through targeted presentations to practitioners and publicly-available reporting.

Group Mailing List: 86 (representing 13 countries)

Monthly Meeting Attendance: 20-25

Activity 1: support HAQAST flowchart

- Jenny Bratburd (University of Wisconsin-Madison/NASA HAQAST) presented on air quality data resources flowchart in development.
- Group members proposed additions to the flowchart
- Additions being implemented (by Olivia Goins):
 - Links to recent NASA ARSET trainings
 - Updated surface air quality datasets
 - Development of regionally specific resource guides
 - Translation of guide into other languages (future work)



Activity 2: AmeriGEO EO4AQ workshop

- AmeriGEO presents an opportunity to showcase & get feedback on regionally specific air quality resource guides from activity 1.
- April 2024: Dedicated meeting to discuss needs & topics:
 - Contributions from Sebastian Diez, Ricardo Quiroga, Douglas Rao & others.
 - Key identified needs: Training on localized validation approaches for regional/global datasets, locally-relevant examples (e.g., volcanic emissions), connecting with local health practitioners.
- Next Steps:
 - Agenda planning: e.g., 2 x 2-hour sessions (lecture, hands-on demo)
 - Connect with meeting coordinators in Ecuador
 - Prepare materials & case studies
 - Follow-up meeting to finalize agenda (August 2024)

Activity 3: regional support of SERVIR

- Upcoming presentation (June 2024) by Meryl Kruskopf (NASA SERVIR) on regional air quality activities & needs
- Follow-up meeting (July 2024) to discuss opportunities for work group members to support regional activities