

**National Atmospheric Deposition Program (NADP)
Council of State and Territorial Epidemiologists (CSTE)**

Aeroallergen Monitoring Science Committee Meeting

Monday, October 25, 2021; 12:00 PM – 3:00 PM Eastern Time
(11:00 AM – 2:00 PM CT; 10:00 AM – 1:00 PM MT; 9:00 AM – 12:00 PM PT)

Virtual via Zoom (details below on page 2)

DRAFT AGENDA

1. Welcome – Logistics – Introductions Johnson
2. Approval of October 26, 2020 meeting minutes All
3. Recap of activities since October 26, 2020 meeting Johnson and All
4. Update on aeroallergen methods comparison study and preview of poster presentation Gay, Uram, Wetherbee
5. Stakeholder Updates:
 - National Aeroallergen Network Steering Committee Brown
 - CSTE Altabbaa
 - CDC Brown
 - EPA Kolian
 - CitiDep Wetherbee
6. Priority Task Areas (description attached) Johnson
7. AMSC Reauthorization at NADP Fall Technical Committee Meeting Johnson and All
8. Wrap up and adjourn Johnson

AMSC: Zoom Meeting Information

For NADP's Fall 2021 Zoom meetings, they have been set up so that participants are required to first register (name and email address only), so that this information will come through on the participation listing at the end. The AMSC Zoom Meeting Registration Link is:

<https://us06web.zoom.us/meeting/register/tZwrдемhqjooE9yLIDJbYBujS5ngdm4Acy7Q>

Zoom Meeting ID for above: 886 2094 1298

After you register, an email will then be sent to you with the actual Zoom meeting link and other details.

Just FYI, there is a different Zoom registration link set up for the remaining subcommittees' meetings and the scientific symposium, so please use the one below for those.

<https://us06web.zoom.us/meeting/register/tZwtfuytrjssH9OIU2jx6WgfTnJyc5Zkrk77>

Zoom Meeting ID for above: 880 9550 0657

Depending on your interest in the other subcommittee's meetings, you will also need to register via the assigned link above. However, you only have to register once for each used link, regardless of how many times you use it during the week.

NADP MISSION is to:

- *Provide quality-assured data and information to support research on the exposure of managed and natural ecosystems and cultural resources to acidic compounds, nutrients, mercury, and base cations in atmospheric deposition.*
- *Remain one of the nation's premier cooperative research support programs, serving science and education and supporting communication and informed decisions on air quality issues affecting ecosystems and human health.*
- *Respond to emerging issues and evaluate changes in its measurement systems, including the addition of other chemical and biological species.*

**NADP Aeroallergen Monitoring Science Committee (AMSC)
Mission, Charges and Priority Task Areas**

Mission and Charges of the AMSC

The mission of the Aeroallergen Monitoring Science Committee (AMSC) is to engage multi-disciplinary stakeholders in advancing the science of aeroallergen monitoring, including identifying emerging technologies, evaluating methods to ensure data quality, coordination of monitoring stations, and possibly serving as a repository of long-term aeroallergen monitoring data.

The specific charges of AMSC are to:

- Support the NADP's mission to "respond to emerging issues and evaluate changes in its measurement systems, including the addition of other chemical and biological species" by advancing the science of aeroallergen monitoring.
- Further the NADP's vision to "remain one of the nation's premier cooperative research support programs, serving science and education and supporting communication and informed decisions on air quality issues affecting ecosystems and human health."
- Engage stakeholders in effective decision making, identify priority research areas, facilitate outreach and education, and seek research funding.
- Support national networks that monitor aeroallergens by providing information on emerging measurement techniques, supporting efforts to standardize methods, quantifying data quality indicators, and providing best practices for data and information storage for long-term trend analysis.
- Identify and prioritize knowledge gaps in the field of measuring and modeling aeroallergens and advocate for research to address those gaps.
- Support development of models for the forecast, emission, transport, and removal of aeroallergens from the atmosphere.
- Create and maintain communication links between the aeroallergen research community and the Executive Committee to foster collaboration with the NADP's existing network of stations as a core component of the U.S. aeroallergen monitoring network.
- Encourage greater communication and collaboration between groups from different disciplines and countries with interests in aeroallergen monitoring, including NADP data users, by organizing scientific workshops and symposia at NADP meetings and with other scientific organizations.
- In collaboration with CSTE and other partners, revise the AMSC charge as the aeroallergen monitoring network is implemented.

Priority Task Areas (April 1, 2017)

- **Sample Collection, Analysis & Network Design** – The Sample Collection, Analysis & Network Design group provides documented methods and training materials, which reflect research-based best practices. This group defines standardized criteria for establishing stations and their equipment, procedures for field sampling and onsite measurements, and laboratory analysis. This includes the optimal distribution and location of stations and their sampling schedules to represent the spatial and seasonal trends in aeroallergens across the U.S.

Group Members: Daniel Coates, Frances Coates, Ivan Fernandez, Andy Johnson, Christopher Lehmann, Andrea Nurse, Tim Sullivan, Greg Wetherbee

- **Data Handling & Dissemination** – The Data Handling & Dissemination group defines standardized formats for collecting and maintaining aeroallergen data, including relevant meteorological and air quality measurements, land use, and on-site observations. This includes the definition of metadata descriptors to meet the needs of the research and healthcare community as well as the format and relevant metrics for distribution of allergen data to the general public. This group seeks to widely distribute data in summary form of spatial and seasonal/annual trends to improve health care practices. This group defines data access policies and sharing agreements to ensure that data are provided to meet the needs of researchers through a cooperative model, while recognizing that raw data must be secured to prevent misuse by unauthorized users.

Group Members: Norman Anderson, Daniel Coates, Frances Coates, Ivan Fernandez, Meredith Jagger, Andrea Nurse, Tim Sullivan

- **Quality & Standards** – The Quality & Standards group defines the data quality objectives for the national aeroallergen monitoring network. This includes quality metrics, reference standards, and measurement/method intercomparisons, which reflect research-consensus best practices.

Group Members: Norman Anderson, Frances Coates, Christopher Lehmann, Greg Wetherbee

- **Forecasting & Analysis** – The Forecasting & Analysis group seeks best practices to interpret aeroallergen data and provide near- and long-term forecasts on a daily, weekly and seasonal basis relevant to the medical community and general public to mitigate acute and chronic health impacts.

Group Members: Frances Coates, Ivan Fernandez, Meredith Jagger, Carol Krieg, Christopher Lehmann

Adopted by the NADP Executive Committee, November 1, 2016

Priority Task Areas added April 1, 2017; Group Members added January 2018