

**U.S. EPA Office of Research and Development (ORD)  
Board of Scientific Counselors (BOSC)  
Subcommittee (SC) for the Air and Energy (A-E) Research Program**

**Wednesday, February 17, 2021**

Time (EDT)	Agenda Activity	Presenter
11:30 – 12:00	Sign on & Technology Check	
12:00 – 12:15	Welcome and Opening Remarks	Tom Tracy, Designated Federal Officer (DFO), Office of the Science Advisor, Policy, and Engagement (OSAPE) Charlette Geffen, A-E BOSC SC Chair Sandy Smith, A-E BOSC SC Vice Chair
12:15 -12:30	ORD Welcome	Jennifer Orme-Zavaleta, ORD Principal Deputy Assistant Administrator for Science Chris Frey, ORD Deputy Assistant Administrator for Science Policy
12:30 – 12:45	Overview of A-E BOSC SC Meeting Format and Charge Questions	Bryan Hubbell, A-E National Program Director (NPD)
12:45 – 1:00	Science and the National Ambient Air Quality Standards (NAAQS) (Charge Questions 1 and 2)	Bryan Hubbell, A-E NPD
1:00 – 1:15	Approaches for Addressing Scientific Challenges and Key Uncertainties for NAAQS: Development, Review, and Attainment (Charge Questions 1 and 2)	Tim Watkins, Center Director, Center for Environmental Measurement and Modeling (CEMM)
1:15 – 2:15	Research to Inform Decision Making and Plans to Meet NAAQS (Charge Question 1, Research Areas 1, 2, and 7) <ul style="list-style-type: none"> <li>• Empirical and Computational Approaches to Inform NAAQS Compliance</li> <li>• Measurement Research to Inform the NAAQS</li> <li>• Insights from Partners/Users of A-E Research</li> </ul>	Tiffany Yelverton, CEMM  Alan Vette, CEMM  Lara Phelps, CEMM  Kathryn Sargeant, Office of Air and Radiation (OAR) Chet Wayland, OAR
2:15 – 2:30	<b>BREAK</b>	
2:30 – 3:30	Considerations to Maximize Public Health Benefits (Charge Question 2, Research Areas 3, and 8) <ul style="list-style-type: none"> <li>• Health Effects Research</li> <li>• Considerations for the Greatest Public Health Benefits</li> </ul>	Tom Long, Center for Public Health and Environmental Assessment (CPHEA) David Diaz-Sanchez, CPHEA Lisa Baxter, CPHEA Rona Birnbaum, OAR

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	<ul style="list-style-type: none"><li data-bbox="407 233 706 268">• Insights from Partners</li></ul>	Erika Sasser, OAR

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3:30 – 5:15	<b>Meet the Scientists, Session #1</b>	
	<b>Room A</b>	
	Air Quality Modeling, Session-Lead	Rohit Mathur, CEMM
	Community Model for Air Quality (CMAQ) Modeling System	Christian Hogrefe, CEMM
	Designing an Air Quality Monitoring System for the Future	Luke Valin, CEMM
	Understanding the Implications of Volatile Chemical Products (VCPs) on Public Health	Havala Pye, CEMM
	<b>Room B</b>	
	Health Effects, Session-Lead	Ian Gilmour, CPHEA
	Environmental Epidemiology in the Era of Electronic Health Records	Cavin Ward-Caviness, CPHEA
	Air Pollution, Health, and Environmental Justice	Anne Weaver, CPHEA
	Using Animal Toxicology to Understand Health Effects, Mechanisms and Modifying Factors	Mehdi Hazari, CPHEA
	<b>Room C</b>	
	Deposition, Session-Lead	Donna Schwede, CEMM
	Measurements of Air-surface Exchange of Reactive Nitrogen	John Walker, CEMM
	EPA's Air QUALity TimE Series Project (EQUATES)	Kristen Foley, CEMM
Critical Loads	Chris Clark, CPHEA	
5:15 – 5:30	<b>BREAK</b>	
5:30 – 5:45	Public Comments	Tom Tracy, DFO, OSAPE
5:45 – 6:00	Clarification Questions from BOSC SC	Charlette Geffen, A-E BOSC SC Chair Sandy Smith, A-E BOSC SC Vice Chair
6:00 – 6:45	Closed session for BOSC SC Discussion	

### Thursday, February 18, 2021

Time (EDT)	Agenda Activity	Presenter
11:30 – 12:00	Sign on & Technology Check	
12:00 – 12:15	Welcome Back	Tom Tracy, DFO Charlette Geffen, A-E BOSC SC Chair Sandy Smith, A-E BOSC SC Vice Chair
12:15 -12:30	Science of Wildland Fires	Bryan Hubbell, A-E NPD
12:30 – 12:45	Approaches to Address Current Challenges Posed by Wildfires	Wayne Cascio, Center Director, Center for Public Health and Environmental Assessment (CPHEA)
12:45 – 1:45	Efforts to Understand Fire Emissions and Their Locations	Beth Hassett-Sipple, CEMM

Time (EDT)	Agenda Activity	Presenter
	(Charge Question 3, Research Areas 2,7, 9) <ul style="list-style-type: none"> <li>• Combating Wildland Fire Impacts</li> <li>• AESMD'S Wildland Fire-related Research: Emissions and Modeling</li> <li>• Insights from Partners/Users of A-E Research</li> </ul>	Lara Phelps, CEMM Tom Pierce, CEMM Kirk Baker, OAR
1:45 – 2:45	Research for Understanding Health and Environmental Impacts and Potential Mitigations (Charge Question 3, Research Areas 3, 8, 9) <ul style="list-style-type: none"> <li>• Health Impacts</li> <li>• Ecological Impacts</li> <li>• Insights from Partners/Users of A-E Research</li> </ul>	Serena Chung, OSAPE  John Vandenberg, CPHEA Alan Thornhill, CPHEA Phil Dickerson, OAR Meredith Kurpius, Region 9
2:45 – 3:00	<b>BREAK</b>	
3:00-4:45	<b>Meet the Scientists, Session #2</b>	
	<b>Room A</b>	
	Public Health and Environmental Impacts, Session-Lead	Stephen LeDuc, CPHEA
	Wildfire Smoke and Health Epidemiological Studies	Ana Rappold, CPHEA
	TracMyAir App: Using Smartphones to Predict Near Real-time Air Pollution Exposures	Michael Breen, CPHEA
	Wildfire Effects on Water Quality: Current Research	Jana Compton, CPHEA
	<b>Room B</b>	
	Emissions and Measurements, Session-Lead	Peter Beedlow, CPHEA
	Multi-year Fire Activity and Emissions Inventory Using the Best Available Data and Reconciliation Techniques	George Pouliot, CEMM
	Mobile Ambient Smoke Investigation Capability (MASIC) Study	Matt Landis, CEMM
	Virtual Tour of EPA's Pacific Ecological Systems Division (PESD)	Jim Markwiese, CPHEA
	<b>Room C</b>	
	Translational Science and Communications, Session-Lead	Gail Robarge, CPHEA
	AirNow Sensor Data Pilot	Andrea Clements, CEMM
What Can Communities Do to Reduce Their Exposure to Wildfire Smoke? (Wildfire ASPIRE Study)	Amara Holder, CEMM	
Smoke Sense	Mary Clare Hano, CPHEA	
4:45 – 5:00	<b>BREAK</b>	

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5:00 – 5:15	Public Comments	Tom Tracy, DFO, OSAPE
5:15 – 5:30	Clarification Questions from BOSC SC	Charlette Geffen, A-E BOSC SC Chair Sandy Smith, A-E BOSC SC Vice Chair
5:30 – 6:00	Closed session for BOSC SC Discussion	

### Friday, February 19, 2021

Time (EDT)	Agenda Activity	Presenter
11:30 – 12:00	Sign on & Technology Check	
12:00 – 12:15	Welcome Back	Tom Tracy, DFO, OSAPE Charlette Geffen, A-E BOSC SC Chair Sandy Smith, A-E BOSC SC Vice Chair
12:15 – 1:00	Focused Discussion on Environmental Justice Challenges	Angie Shatas, A-E Associate NPD
1:00 – 1:30	A-E Engagement Strategy Update	Sherri Hunt, A-E Principal Associate NPD
1:30 – 2:15	Overall comments from BOSC SC	Charlette Geffen, A-E BOSC SC Chair Sandy Smith, A-E BOSC SC Vice Chair
2:15 – 2:30	<b>BREAK</b>	
2:30 – 2:45	Closed session for full BOSC SC Discussion	
2:45 – 3:30	Closed session for BOSC SC Breakout Groups by Charge Question	
3:30 – 4:30	Closed session for full BOSC SC Discussion	
4:30 – 4:45	Wrap up	Tom Tracy, DFO

### Meet the Scientists Sessions

- Two 90-minute Meet the Scientists sessions promote smaller group interactions with researchers.
- Each 90-minute Meet the Scientists session has three concurrent 30-min time blocks/virtual rooms and each 30-min virtual room will:
  - Focus on a specific topic, and
  - Have a moderator and 3 scientists, each with 3-5-minute presentations.
- Within a Meet the Scientist Session, each 30-min time block/virtual room will repeat three times so that **all subcommittee members will be able to attend all three virtual rooms.** Subcommittee members will be assigned a group and will rotate through the three virtual rooms.