

Black Carbon Science Symposium Conference Program & Agenda

November 14, 2012

The goal of the symposium is to discuss the latest science on black carbon.

Facilitators: Lori Lewis (San Francisco) and Joe Siegel (New York)

Master of Ceremony: Sarah Rizk

San Francisco: The symposium runs from 9:00 am – 5:00 pm PST. The San Francisco location is the US EPA Offices at 75 Hawthorne St, San Francisco, CA, 94105.

New York: The symposium runs from 10:00 am – 4:30 pm EST. During the break-out session, only the mitigation panel will be video-cast. The New York location is the US EPA Offices at 290 Broadway, New York, NY, 10007.

Webcast: The webcast symposium runs from 9:00 am-12:30 pm PST. During the break-out session, only the mitigation panel will be webcast.

New York Office Only: 10 am – 11:30 am EST

10:00-10:30 am EST Opening Session in New York

10:30-11:00 am EST Black Carbon in a Changing Atmosphere: Historical and Present Climate Effects
Susanne Bauer, NASA Goddard Institute for Space Studies and The Earth Institute at Columbia University

11:00-11:30 am EST Biomass Heating Technologies, Emissions Measurements, and Observations of Wood Smoke in Rural and Urban Communities in New York State
Ellen Burkhard, New York State Energy Research and Development Authority

San Francisco Office, New York Office, and Webcast: 9:00 am- 12:30 am PST

9:00-9:10 am PST Introduction to meeting by *Sarah Rizk*, U.S. EPA Region 9

9:10 -9:30 am PST Opening Remarks (Webcast)
Jared Blumenfeld, Regional Administrator, U.S. EPA Region 9

9:30-10:30 am PST Climate and Health: the science of black carbon (Webcast)
Moderator: *Amy Zimpfer*, Associate Director of the Air Division, U.S. EPA Region 9

Black Carbon: Climate Science and Major Sources
Tami Bond, Associate Professor, University of Illinois

Federal Perspective: EPA's Report to Congress on Black Carbon and International Work
Susan Anenberg, U.S. State Department/ U.S. EPA (Presenting from New York)

Black Carbon and Health: What We Know about Exposure and Effects
Daniel Greenbaum, President, Health Effects Institute

10:30-10:40 am PST Facilitated small group discussions

10:40-11:00 am PST Break

11 am -12:15 pm PST Break-out Sessions (Note: New York and Webcast Participants can only attend Mitigation panel)

Mitigation (New York, Webcast):

Inventory Development:

This session will highlight some areas for black carbon mitigation, including diesel vehicles and wildfires.

Moderator: *Sarah Rizk*, Environmental Scientist, U.S. EPA Region 9

Mitigation of air pollution and climate with Black Carbon reductions: Emerging Science
Veerabhadran Ramanathan, Distinguished Professor of Atmospheric and Climate Sciences, Scripps Institution of Oceanography, UC San Diego

Technologies for Mitigating Diesel Black Carbon

Daniel Birkett, Environmental Scientist, U.S. EPA Region 2

International Best Practices for Diesel Black Carbon Control

Ray Minjares, Climate and Health Program Lead, International Council on Clean Transportation

Placer County Forest Resource Sustainability Initiatives

Tom Christofk, Placer County Air Pollution Control District Officer

Facilitated small group discussions

This session will cover source measurement and inventorying work for state or local agencies.

Moderator: *Ben Machol*, Manager Clean Energy and Climate Change Office, U.S. EPA Region 9

Black and Organic Carbon Emission Inventories in California

Judith Chow, Nazir and Mary Ansari Chair in Entrepreneurialism and Science and Research Professor, Desert Research Institute

John Watson, Research Professor, Desert Research Institute

Black Carbon in the South Coast Basin: Emissions, Measurements, and Modeling in the MATES studies

Philip Fine, Planning and Rules Manager, South Coast Air Quality Management District

Tami Bond,* Associate Professor, University of Illinois

*Not presenting; joining the panel discussion

12:15-12:30 pm PST Discussion with U.S. EPA Region 2 New York Office via videoconference

12:30-1:30 pm PST Lunch break in San Francisco provided by Bay Area Air Quality Management District

San Francisco Office Only 1:30 pm-5:00 pm PST

- 1:30-2:45 pm PST Creating relevant research for state and local governments
Moderator: *Ray Minjares*, Climate and Health Program Lead, International Council on Clean Transportation
- Mark Jacobson*, Director of the Atmosphere/Energy Program, Stanford University
- John Dawson*, Physical Scientist, U.S. Environmental Protection Agency
- Bart Croes*, Research Division Chief, California Air Resources Board
- Veerabhadran Ramanathan*,* Distinguished Professor of Atmospheric and Climate Sciences, Scripps Institution of Oceanography, UC San Diego
- Tami Bond*,* Associate Professor, University of Illinois
- *Not presenting; joining the panel discussion
- Facilitated small group discussions
- 2:45-3:00 pm PST Break
- 3:00 pm-4:15pm PST Pathways forward at the state & local level
Moderator: *Deborah Jordan*, Air Division Director, U.S. EPA Region 9
- Jack Broadbent*, Executive Officer, Bay Area Air Quality Management District
- Barry Wallerstein*, Executive Officer, South Coast Air Quality Management District
- Larry Greene*, Executive Officer, Sacramento Metropolitan Air Quality Management District
- Bart Croes*,* Research Division Chief, California Air Resources Board
- *Not presenting; joining the panel discussion
- Facilitated small group discussions
- 4:15-5:00 pm PST Wrap-up