

**Agenda for March 3-4, 2010 Workshop on
Addressing Black Carbon and Ozone as Short-Lived Climate Forcers:
Technical Challenges and Policy Avenues**

**The Carolina Inn
Chapel Hill, North Carolina**

WORKSHOP GOAL: Assess the importance of addressing black carbon and ozone as short-lived climate forcers (SLCF) and identify mitigation opportunities and obstacles in light of current scientific understanding and available policy options.

DESIRED OUTCOMES: The workshop is designed to:

- 1) Improve participants' understanding of the potential impact of mitigating black carbon and ozone precursors (including NO_x, methane, VOCs, and CO) on global/regional climate change; evaluate the impact of existing regulations and policies; and clarify the advantages (including public health co-benefits) and disadvantages of different domestic and international mitigation options;
 - 2) Summarize the state-of-the-science on short-lived climate forcers and highlight policy-relevant scientific certainties as well as scientific gaps that need to be addressed in the near-term to reduce uncertainties and advance mitigation efforts; and
 - 3) Enhance collaboration between the policy community and domestic and international scientists working on short-lived climate forcers.
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DAY 1: PLENARY (CHANCELLOR'S BALLROOM)

7:00 – 8:15 a.m.	Registration & Continental Breakfast	
8:15 – 8:20 a.m.	Welcome	Steve Page, Director USEPA Office of Air Quality Planning and Standards
8:20 – 8:40 a.m.	Opening Address	Jeff Clark USEPA OAQPS
8:40 – 8:45 a.m.	Meeting Logistics	Ken Elstein, Facilitator USEPA Office of Research and Development
8:45 – 10:00 a.m.	Opening Plenary	Lydia Wegman, Moderator USEPA OAQPS

“Where Do We Stand? Understanding the Current State of SLCF Science and Policy”

- **The Climate Impact of Short-lived Forcers**
Drew Shindell, NASA Goddard Institute for Space Studies (GISS)
- **Public Health Impacts of SLCF**
Joel Schwartz, Harvard University
- **Current Domestic/International Control Programs for Ozone and Black Carbon**
Ellen Baum, Clean Air Task Force

10:00-10:20 a.m. **Break with Refreshments**

10:20-11:00 a.m. **Current SLCF Activities at USEPA**
Doug Grano, USEPA OAQPS
Rob Pinder, USEPA ORD – National Exposure Research Laboratory
Bryan Bloomer, USEPA ORD – National Center for Environmental Assessment

11:00 – 12:30 p.m. **Science Panel** **Doug McKinney, Moderator**
National Risk Management Research Laboratory
USEPA ORD

“Areas of Confidence and Areas of Uncertainty:
Assessing the State of Our Current Scientific Knowledge”

- **Impacts of Controlling SLCF on Climate, Arctic, and Health**
Mark Jacobson, Stanford University
- **Confidence and Key Uncertainties in Black Carbon Emissions and Radiative Impacts**
Tami Bond, University of Illinois at Urbana-Champaign
- **Emissions of Light Absorbing Carbonaceous Particles from Biomass Burning**
Hans Moosmuller, Desert Research Institute
- **Atmospheric Chemistry & Transport: Estimating SLCF Distributions and Contributions**
Greg Carmichael, University of Iowa
- **Sources of Arctic Pollution: Results from POLARCAT-IPY**
Kathy Law, LATMOS/CNRS, Institut Pierre Simon Laplace

12:30 – 1:45 p.m. **LUNCH - HILL GRAND BALLROOM**

12:30 p.m. **Luncheon buffet service begins**

12:45 – 1:30 p.m. **Luncheon Keynote Address** **Kirk Smith**
University of California-Berkeley

“Stoves, Climate, and Health: What More Do We Need to Know?”

1:30 – 1:45 p.m. **Breakout Group Instructions** **Ken Elstein**

1:45 – 2:00 p.m. **Transition to Breakout Locations**

2:00-3:30 p.m. **Science Breakout Groups**

Breakout 1: Atmospheric Chemistry, Transport and Deposition: Modeling and Measurement
Located in: North Hill Ballroom
Facilitated by: Daniel Jacob, Harvard University and Rob Pinder, USEPA

Breakout 2: Climate Outcomes: Assessing the Global and Regional Impacts of SLCF
Located in: Chancellor’s Ballroom
Facilitated by: Jason West, UNC-Chapel Hill and Pat Dolwick, USEPA

Breakout 3: Climate Metrics: Measuring and Expressing the Radiative Forcing Impacts of SLCF
Located in: Club Room
Facilitated by: David Fahey, NOAA and Marcus Sarofim, AAAS Fellow USEPA

