

National Aerosol-Climate Interactions Program (NACIP)
January 9-11, 2002 Workshop
La Jolla, California

AGENDA

Wednesday, January 9 @ 4500 Hubbs Hall, SIO

7:45-8:25 Breakfast

Opening Session

8:25-8:55 NACIP Goals and Objectives – V. Ramanathan

8:55-9:10 *A Vision for Aerosol-Climate Research* – J. Kaye

9:10-9:30 Federal Agency Expectations: DOE (P. Lunn), NASA (D. Anderson);
NOAA (J. Levy) and NSF (A-M. Schmoltner)

Plenary Talks (20 minutes with 10 minutes questions/discussion)

What is required to improve ability to represent aerosol effects on climate in models?

9:30-10:00 D. Jacob

10:00-10:30 J. Penner

10:30-11:00 Break

What is required to improve understanding and quantification of aerosol indirect effects?

11:00-11:30 J. Seinfeld

With what accuracy can the present global distribution of aerosol loading and properties pertinent to their influence on climate be determined? What improvement in accuracy is required? How has that distribution changed over past decades and how can quantification of future change be assured?

11:30-12:00 Y. Kaufman

12:00-13:00 Lunch

13:00-17:45 Working Group Meetings

Charge to Working Groups: Prioritize key research questions and approaches (modeling, field, laboratory and satellite observations) to address the questions.

Working Group 1. *What improvements are required in emissions inventories of aerosols and aerosol precursors?*

Carmichael (*Chair*), Andreae, Chuang, Lelieveld, Liousse, Prather, M. (SC), Streets

Working Group 2. *What key information is lacking regarding atmospheric aerosol processes, optical and hygroscopic properties, mixing, chemistry, and the direct effect? What research is required to provide this information?*

Clarke (*Chair*), Murphy, Novakov, Prather, K., Schwartz (SC), Thiemens, Valero

Working Group 3. *What key information is lacking regarding aerosol/cloud interactions and the indirect effect? What research is required to provide this information?*

Kreidenweis (*Chair*), Baker, Heymsfield, Hobbs, Stevens, Ramanathan (SC), Seinfeld (SC), Toon

Working Group 4. *What systematic observations are needed to reduce uncertainty in direct and indirect forcing?*

Russell (*Chair*), Ackerman, Bates (SC), Charlson, Collins, Kahn, Kaufman (SC), McCormick, Mishchenko, Nakajima, Ogren, Prospero, Rosenfeld

Working Group 5. *What is needed to evaluate and improve GCM calculations of aerosol forcing?*

Hansen (*Chair*) (SC), Del Genio, Jacob (SC), Kiehl, Krueger, Penner (SC), Ramaswamy, Somerville, Wielicki

Evening (6:30pm): Reception / Dinner @ SIO Birch Aquarium

Keynote Speaker: A. Patrinos

Thursday, January 10 @ 4500 Hubbs Hall, SIO

8:00-8:30 Breakfast

8:30-10:00 Plenary Session - Working Group Progress Reports

10:00-10:30 Break

10:30-12:00 Plenary Open Discussion – *Are we on the right track?*

12:00-13:00 Lunch

13:00-15:30 Working groups – either continuation of existing groups or formation of new groups as a result of the morning plenary discussion.

15:30-16:00 Break

16:00-17:00 Concluding remarks from Working Groups and Steering Committee.

Friday, January 11: Steering Committee Meeting @ Building T-29, SIO

**8:00-11:00 Steering Committee and Agency Advisory Group
(including Working Breakfast)**

- Synopsis by agency reps (one each from DOE, NASA, NOAA and NSF) on what they heard and their views on how to make the report effective to meet their needs
- Define an outline for the report
- Writing assignments

11:00-12:00 Executive session of the Steering Committee

12:00-1:00 Lunch

(END)