

# AGENDA

**Monday, October 5, 2009**

----- *welcome* -----

9:00 - 9:20

**Gross & Ginoux:** Welcome & logistics

**Schulz:** scientific objectives

----- *IPCC-AR5 ... emissions and experiments* -----

9:20 - 10:30

**(Chin)**

**Magi:** IPCC-AR5 emission choices

**Diehl:** comparison of historic AeroCom and IPCC-AR5 emission data

**Huneus:** estimating emissions (strength) from AOD assimilation

*coffee-break*

11:00 - 12:10

**Takemura:** emission data impacts on aerosol radiative forcing

**Kirkevag:** emission data impacts on aerosol life cycle, properties and forcing

**Koch:** evolution of aerosol effects on climate during the 20<sup>th</sup> century

*panel discussion on recommendations for emissions (20 min)*

12:30- 13:00 *introduction of posters - session 1*

13:00- 15:00 ***lunch***

15:00- 16:00 *poster viewing - session 1*

----- *working group activities* -----

15:00 - 16:10

**(Ginoux)**

**Quaas:** AeroCom indirect effect intercomparison

**Koch:** AeroCom aerosol absorption assessment

**Stier:** AeroCom prescribed aerosol experiment

**Randles:** accuracy of radiative transfer schemes in global modeling

**Myhre:** direct radiative forcing analysis

*coffee-break VISIT GFDL HPCS*

16:40 - 18:00

**Schulz:** evaluation of recent submissions/hindcast with AeroCom tools

**Mann:** evaluating aerosol microphysics models

**Tsigradis:** An AEROCOM Intercomparison Exercise in Organic Aerosol Modeling

*Dinner at Hilton hotel for participants staying at Hilton*

# AGENDA

**Tuesday, October 6, 2009**

----- **absorption** -----

8:30 – 9:40 (Koch)

**Chin:** light absorption by pollution, dust and biomass burning aerosols

**Li:** black carbon aerosol in Arctic spring

**Bauer:** black carbon and climate warming

*coffee-break PHOTO SESSION*

----- **spatial distribution** -----

10:00-11:30 (Kinne)

**Quinn:** overview of aerosol properties

**Prospero:** long-term records of dust transport over oceans

**Kahn:** air-mass type mapping with satellite data

**Bhartia:** aerosol type identification via spectral dependences in the UV/VIS

*10 min break*

11:40 -12:30

**Smirnov:** MAN (marine aerosol network) as spatial extension to AERONET

**McConnell:** aerosol records from ice-cores

**Levy:** updates on MODIS data

12:30- 13:00 *introduction of posters - session 2*

13:00- 14:00 **lunch**

14:00- 15:00 *poster viewing - session 3*

----- **vertical distribution** -----

15:00-16:10 (Schulz)

**Winker:** status of CALIPSO aerosol data products

**Yu:** comparing CALIPSO data with GOCART simulations

**Ferrare:** comparing HSRL lidar data with GEOS-5 simulations

*coffee break VISIT GFDL HPCS*

16:30-17:40

**Ogren:** multi-year data on vertical profiles on aerosol scattering and absorption

**Brenninkmeijer:** 10 years of CARIBIC passenger aircraft data

**Chen:** summarizing airborne observational data for aerosol modeling

*panel discussion on observations for model evaluations (20 min)*

**Ghan & Kahn:** the ACE-mission

# AGENDA

**Wednesday, October 7, 2009**

----- *microphysics* -----

8:30 -9:40

(Mann)

**Adams:** chemistry and microphysics impacts on CCN formation

**Merikanto:** global CCN sources

**Hoose:** ice nucleation by mineral dust, bacteria, pollen and soot

*coffee break*

10:10-11:30

**Zhang:** impact on new parameterizations on microphysics in ECHAM5/HAM

**Wang:** atmospheric sulfate transitions in GEOS-chem

**Balkanski:** indirect effects by enhanced aerosol by ship emissions

Open Discussion on AeroCom phase II

11:30- 12:00        *introduction of posters - session 3*

12:00- 13:00        ***lunch***

13:00- 14:00        *poster viewing - session 3*

----- *indirect effects* -----

14:00 -15:10

(Quaas)

**Liu:** sensitivity of indirect effects to parameterizations in NCAR/CAM

**Ferrachet** sensitivity of aerosol-cloud interactions in ECHAM5/HAM

**Ming:** opposing aerosol impacts on precipitations

*coffee break*

15:40 -16.50

**Wilcox:** aerosol indirect effects

**Su:** aerosol cloud interactions from observations, backtraj. and reanalysis

**Sud:** indirect effects inferred from GEOS4/5 GCM simulations

*short break*

17:00 -17:30

**Schulz:** summary / outlook / publications / next meeting

17:30                *conference ending*

*Dinner at Hilton hotel for participants staying at Hilton*

*Departure for Stomps in NY*

# AGENDA

## Posters session 1 – modeling

Monday

- Bian:** evaluation of aerosol fine mode simulations with GOCART  
**Chin:** lidar ratio and aerosol type estimates with CALIPSO and GOCART  
**Frontoso:** Multi-scale integration in EUCAARI  
**Ginoux:** description and evaluation of aerosol modeling with GFDL AM3  
**Kim:** the NCEP dust aerosol modeling system  
**Magi:** organic carbon absorption over biomass burning regions  
**Nowottnick:** Saharan dust event during the NASA TC-4  
**O'Donnell:** the SOA module in ECHAM5/HAM  
**Penner:** cirrus clouds in a global climate model with a statistical cloud scheme  
**Righi:** the global aerosol climate model ECHAM5/MESSy1-MADE  
**Rumbold:** source-receptor studies of global aerosol transport  
**Tsigaridis:** Simplicity versus accuracy In global Secondary Organic Aerosol modeling  
**Welton:** comparisons of aerosol type from CALIPSO feature mask and GEOS-5  
**West:** aerosol activation scheme in UK Met Office model

## Posters session 2 – data

Tuesday

- Browse:** arctic aerosol (and how well does GLOMAP simulate them?)  
**Ganguly:** inferring aerosol composition by combining AERONET, MPLNET and CALIOP  
**Gross:** using raman lidar ratios to explore droplet size and indirect effects  
**Ichoku:** MODIS fire radiative power  
**Kinne:** a generic global monthly aerosol climatology  
**Leptoukh:** Giovanni for HTAP  
**Ogren:** climatology of near surface aerosol scattering and absorption  
**Ottaviano:** polarized observations of aerosols and clouds  
**Paradise:** 10-year assessment of MISR and MODIS retrievals using AMAPS  
**Salustro:** MODIS Deep Blue  
**Schuster:** remote sensing of water uptake  
**Thomas:** 12-year aerosol data-set of European sensors (GlobAEROSOL)  
**Welton:** MPLNET Products for AeroCom validations

## Posters session 3 – impact

Wednesday

- Colarco:** aerosol impacts in GEOS4/5 GCM simulations  
**DaSilva:** MODIS fire radiative power for near-real time emissions  
**Li:** towards understanding dust accumulations over Antarctica  
**Lu:** assessing the impact of aerosol on climate using the NCEP CFS  
**Myhre:** aerosol direct net radiative forcing efficiency at the surface  
**Unger:** attribution of climate forcing to human activity  
**Vuolo:** evaluation of aerosol radiative forcing with the LMDZ-INCA  
**Yuan:** impact of aerosol on NO<sub>x</sub> production by lightning