7th AeroCom workshop

Goal of the meeting:

Present progress with respect to aerosol modeling and data analysis

Review status of model-data comparisons and aerosol model scoring and discuss AeroCom database and its further development

Discuss joint analysis of aerosol model experiments in support of IPCC AR5 and the AC&C and HTAP initiatives (regional emission perturbations, indirect forcing, hindcast, prescribed forcing, interactive aerosol-climate simulations) including a review aerosol model diagnostics for future model experiments

Wednesday morning

09:00 09:20 09:40 10:00	Schulz Bauer Gilardoni Hoose	welcome, introduction, logistics sensitivity of Climate Forcings to Aerosol Physics and Chemistry black carbon simulations in TM5 in-droplet / in-crystal aerosols in ECHAM5-HAM model	
10:20	coffee&tea		
10:50 11:10 11:30 11:50	Takemura Kristjansson Lu Kristjansson	radiative forcing projections for the 21st century indirect effect sensitivities in the CAM-Oslo model global aerosol modeling in NCEP GFS Reykjavík – what to see	
12:00) Lunch		
Weednesday oftensess			

Wesdnesday afternoon

15:30	Bellouin	diffuse radiation impact on continental carbon sink and GEMS aerosol
15:50	Diehl	multi-decadal variations of aerosol
16:10	Chin	development of a dynamic dust source function
16:30	Koch	attribution to 1980-2000 climate change

16:50 coffee&cake

17:20 **Schulz** hindcast experiments in the context of HTAP and AC&C

Thursday morning

mursu	Thursday morning			
09:00 09:20 09:40	Tsigaridis Schulz Diehl	modeling organic aerosol – time to compare different approaches model evaluation through AeroCom emission recommendations for hindcast simulations		
10:00	coffee&tea			
10:30 10:50 11:10	dePaus Braverman Kinne	model output harmonization with CMOR AMAPS evaluation tool capabilities scoring concepts & data update		
12:00	lunch			
Thursday afternoon				
13:00 13:20 13:40 14:00 14:20	Thomas Wild Huneeus Ferrare da Silva	GlobAER: up to 12 years of aerosol properties by European sensors examining BSRN data on dimming and brightening defining a dust benchmark test high resolution lidar and CALIPSO subgrid variability and AOD calculations		
15:00	coffee&cake			
15:30 15:50 16:10 16:30 16:50	Mann Seland Liu Randles Paradise	aerosol microphysics modeling in GLOMAP internal mixing effects on the direct effect of aerosols sensivity of the indirect Effect in NCAR CAM to module complexity present-day aerosol climatology AMAPS evaluation tool demonstration		
19:30	workshop dinner at	Cabin Hotel		

Friday morning

09:00	Feichter	nudging artifacts
09:20	Quaas	indirect effect – working group
09:40	Stier	radiative forcing – working group

10:00 coffee and tea

10:30	Myhre	radiative forcing
10:50	Koch	absorption – working group
11:10	Mann	microphysics and size – working group
11:30	Schulz	dust – working group

12:00 lunch

Friday afternoon

13:00	Chin for Chen	summarizing aircraft field experiment data for modeling
13:20	Schulz/Chin/Kinne	general discussions, outlook, upcoming events
17:00 bus departure for Blue Lagoon and late dinner		

Saturday

08:15-18:00 excursion to (1) geothermal energy facility, (2) Geysir geothermal field, (3) Gullfoss waterfall and (4) Thingvellir National Park