

9th AeroCom Workshop

27-30 September 2010
 University of Oxford
 Host: Philip Stier
 Co-Organisers: Michael Schulz, Stefan Kinne, Mian Chin



Preliminary Programme (version 14 September 2010)

Location: Oriel College, Oxford OX1 4EW, UK
 Rooms: Harris Seminar Room (HSR) Hall
 Harris Lecture Theatre (HLT) Champneys (CHA)
 MacGregor Room (MGR)

Monday, September 27, 2010

HSR	1000-1200	Hands-on-session for websites and databases of use for AeroCom analysis with 10 minute introduction and WLAN based trials by participants	
		AeroCom interfaces&database (Michael Schulz) : http://nansen.ipsl.jussieu.fr/AEROCOM/data.html Emission databases (RCP+AC&C +AeroCom Thomas Diehl?): http://www-lscedods.cea.fr/aeroCom/AEROCOM_HC/ http://www.iiasa.ac.at/web-apps/tnt/RcpDb/dsd?Action=htmlpage&page=welcome AeroCom Prescribed input data and scripts (Philip Stier): http://www.atm.ox.ac.uk/group/cp//Data/AeroComPrescribed/ GIOVANNI / HTAP / MAPSS (Charles Ichoku and Maksym Petrenko): http://disc.sci.gsfc.nasa.gov/giovanni ICARE (Francois-Marie Breon): http://www.icare.univ-lille1.fr/ NASA aircraft database (Gao Chen) EBAS-HTAP surface measurements (Markus Fiebig): http://ebas.nilu.no/ WMO-GAW-DLR satellite data center (Thomas Holzer Popp): http://wdc.dlr.de/	
Hall	1200-1300	Lunch	
HSR	1300-1330	Welcome session	
HLT HSR MGR	1330-1415	Three parallel session lectures to introduce terms and methods used for Aerosol Modelling -- Remote sensing -- In-situ measurements Philip Stier -- Francois-Marie Breon -- John Ogren	
	1415-1500	Aerosol Modelling -- Remote sensing -- In-situ measurements (Repetition) Philip Stier -- Francois-Marie Breon -- John Ogren	
HSR	1500-1530	Coffee&Tea	
HLT	1530-1545 1545-1600 1600-1630	Thomas Diehl Don Grainger Paul Ginoux	Update of the AeroCom Volcanic SO ₂ Emission Inventory Appropriate usage of errors in the comparison of satellite retrieval Satellite based global dust source inventories: comparison and attribution of natural and anthropogenic emission
	1630-1700 1700-1730	Nicolas Huneus Alexander Smirnov	AeroCom Dust intercomparison Maritime Aerosol Network as a component of AERONET – current status and comparison with satellite retrievals and aerosol models
	1730-1745	Michael Schulz	User requirements from AeroCom towards retrievals&networks
Hall	1900	Dinner	

Tuesday, September 28, 2010

HLT	0900-0930	Michael Schulz	Aerocom phase II submissions - evaluation against observation
	0930-0945	Parv Sntharilingam	Evaluating multi-model sulfur simulations at Amsterdam Island
	0945-1000	Dave Winker	4 years of Calipso , update on version 3 and recent developments
	1000-1030	Susanne Bauer	Report on Black Carbon Forcing Assessment and Organic Aerosol Intercomparison (for K. Tsigaridis and D. Koch)
HSR	1030-1100	Coffee&Tea	
HLT	1100-1125	Jeff Reid	Comprehensive evaluation of satellite based aerosol products: The GEWEX and NRL Aerosol Assessments.
	1125-1150	Ralph Kahn	What We are Learning from the 10+ year EOS MISR Aerosol Data
	1150-1200	Julian Wilson	Update on EDGAR 4 emission dataset
	1200-1230	Poster introduction I	One slide per poster presented by participants, Please hand slide to Stefan Kinne on beforehand
Hall	1230-1430	Lunch & poster session I	
HSR			
HLT	1430-1500	Mian Chin	Multi-decadal variations of atmospheric aerosols and their effects on surface radiation trends
	1500-1530	Toshihiko Takemura	Change in surface solar radiation due to aerosols for several decades based on AeroCom Phase II Experiment
	1530-1600	Graham Mann	First results from AEROCOM aerosol-microphysics working group
HSR	1600-1630	Coffee&Tea	
	1630 -	Social Programme	i) Punting on River Cherwell to Thames or ii) Bodleian Library tour

Wednesday, September 29, 2010

HLT	0900-0920	John Ogren	Climatology of radiative properties of free-tropospheric aerosols
	0920-0950	Gunnar Myhre	Preliminary results of radiative forcing of the direct aerosol effect from AeroCom Phase II
	0950-1010	Philip Stier	News from the Prescribed forcing experiment
	1010-1030	Cynthia Randles	Accuracy of Radiative Transfer Schemes in Global Modeling
HSR	10:30-1100	Coffee&Tea	
HLT	1100-1130	Johannes Quaas	Cloud Susceptibility as primary indirect effect quality indicator?
	1130-1145	Xiaohong Liu	Aerosol effects on precipitation: Intercomparison under AEROCOM
	1145-1200	Gregory Schuster	Diagnosing modelled aerosol water uptake using Aeronet
	1200-1230	Poster introduction II	One slide per poster presented by participants, Please hand slide to Stefan Kinne on beforehand
Hall	1230-1430	Lunch & poster session I	
HSR			
HLT	1430-1600	Four group discussions in parallel:	
HSR		=Size&Microphysics	
MGR		=Composition (organics and dust)	
		=Forcing (Direct, Indirect)	
		=Trends and Emissions (hindcast, IPCC runs)	
HSR	1600-1645	Coffee&Tea	// Preparation of group summaries by rapporteurs
HLT	1645-1800	Joint discussion of group discussion results, intro from rapporteurs	
CHA	1930	Drinks Reception	
Hall	2000	Conference Dinner	

Thursday, September 30, 2010

HLT	0900-0930	Ken Carslaw	Sensitivity of climate-relevant aerosol to nucleation parametrisations Linking AeroCom and EUCAARI
	0930-1000	Mark Flanner	Using AeroCom BC deposition for snow albedo forcing estimates
	1000-1030	Olivier Boucher	Intro & Joint Discussion of how to contribute to the IPCC AR5 How can CMIP5 and AeroCom phase II results be combined
HSR	1030-1100	Coffee&Tea	
HLT	1100-1200	Organisers chair summary discussion on AeroCom outlook and publication plans Data usage of AeroCom database	
	1200	AEROCOM workshop ends	

Thursday (afternoon) Sep 30 & Friday (all day) Oct1, 2010**Operational ICAP meeting on verification:**

“Aerosol near-real time data assimilations in modeling”

Location: Department of Physics, University of Oxford, Oxford, OX1 3PU

For attendance contact Angela Benedetti: Angela.Benedetti@ecmwf.int