

QUANTIFY Summer School on Transport, Ozone and Climate Change

status 13 September 2007

Time	Title	Speaker	Location
Sun, 09 Sep			
19:00 - 20:30	Registration, warm-up reception,		AH
Mon, 10 Sep			
	at academy		HQ
09:00 - 10:30	Introduction to QUANTIFY Summer School	Sausen / Zerefos	
11:00 - 12:30	The climate system	Tselioudis	
14:30 - 16:00	Emissions inventories (aviation, shipping, road traffic, etc)	Lee	
16:30 - 18:00	Scenarios of future emissions	Lee	
Tue, 11 Sep			
09:00 - 10:30	How do we assess the climate impact of transport? Why should we model climate?	Sausen	
11:00 - 12:30	Trace gas observations of the troposphere, including long-term changes	Staehelin	
14:30 - 16:00	Engines and their emissions (turbo-engines, piston engine, post-processing of emissions)	Paoli	
16:30 - 18:00	Atmospheric aerosol	Minikin	
Wed, 12 Sep			
09:00 - 10:30	Students' presentations I	students	
11:00 - 12:30	Students' presentations II	students	
14:00 - 15:30	Measuring aerosol in aircraft and ship plumes	Minikin	
16:00 - 17:30	Students' presentations II (continued)	students	
Thu, 13 Sep			
09:00 - 10:30	Tropospheric chemistry	Lelieveld	
11:00 - 12:30	Students' presentations III	students	
16:00 - 17:30	Stratospheric chemistry	Isaksen	
18:00 - 19:30	Effective emission indices	Paoli	
21:00	Dinner		
Fri, 14 Sep			
09:00 - 10:30	Chemical modelling (principles, tacking, CTM vs. CCM, etc.)	Lelieveld	
11:00 - 12:30	Impact of transport on the atmospheric composition	Isaksen	
14:00 - 15:30	Modelling of local and regional air quality, application to transport	Halenka	
16:00 - 17:30	Remote sensing of clouds, incl. contrails, contrail cirrus, ship tracks	Tselioudis	
Sat, 15 Sep			
09:00 - 10:30	Remote sensing of meteorological variables and chemical species	Kelder	
11:30	Bus tour to beach and Cape Sounio		

Time	Title	Speaker	Location
Sun, 16 Sep			
09:00 - 10:30	Students' presentations IV	students	
11:00 - 12:30	Aircraft and ship plume/corridor processes (measurements)	Schlager	
Mon, 17 Sep			
			AH
09:00 - 10:30	Cloud processes and aerosol-cloud-interaction	Gierens	
11:00 - 12:30	Aircraft-induced clouds	Gierens	
14:00	Guided tour to the National Archaeological Museum Athens		
Tue, 18 Sep			
			AH
09:00 - 10:30	GCMs: The dynamic core	Cubasch	
11:00 - 12:30	GCMs: Parameterisations	Cubasch	
14:00 - 15:30	Contrails and contrail cirrus in a GCM	Ponater	
16:00 - 17:30	Anthropogenic climate change, climate sensitivity	Ponater	
17:45	Visit of National Observatory of Athens		
Wed, 19 Sep			
			AH
09:00 - 10:30	Introduction to the Earth's radiation balance Radiative forcing by the transport	Shine	
11:00 - 12:30	Introduction to statistics for climate researchers	Sausen	
14:00 - 15:30	Simplified models of climate change (energy balance models, linear response modes, etc.)	Shine	
16:00 - 17:30	Students' presentations V	students	
17:45 - 19:15	Plume processes (modelling)	Ziomas	
Thu, 20 Sep			
			AH
09:00 - 10:30	Emission regulations, Kyoto Protocol, Montreal Protocol and amendments	Rypdal	
11:00 - 12:30	Metrics of climate change	Fuglestvedt	
14:00 - 15:30	Climate change and climate impacts from transport	Fuglestvedt	
16:00 - 17:30	Mitigation of climate change	Isaksen /Sausen	
Fri, 21 Sep			
			AH
09:00 - 10:30	Interaction between science and policymakers/industry	Fuglestvedt / Rypdal	
11:00 - 12:30	Final discussion, feedback, etc.	Zerefos / Sausen	
13:30 - 20:30	QUANTIFY Steering Committee		
Sat, 22 Sep			
07:30 - 19:00	Boat trip to Hydra		
Sun, 23 Sep			
	Begin of the Celebration of the Montreal Protocol		

AH Acropol Hotel

HQ Headquarters of the Foundation for Biomedical Research of the Academy of Athens