

Programme for the 5th and Final SCOUT-O3 Annual Meeting

The 5th and Final SCOUT-O3 meeting will be held in Schliersee, Bavaria from June 15-17th 2009. It is primarily a scientific meeting with a strong focus on the scientific objectives of the EU SCOUT-O3 Integrated Project.

The registration desk will be open in the Kurzentrum (Monte-Mare) from 1600 to 1900 on Sunday 14th June. Posters can be put up during this time. An icebreaker and poster session will be held from 1800 onwards.

Schliersee was the venue for several meetings of the European Stratospheric Ozone Research Programme in the late 1980s and 1990s and so holds many good memories for the more established members of the research community. It is not obvious when the next European meeting on stratospheric ozone will be held and so we are organising a special session on the Monday evening called "Memory Lane". This will be hosted by Ulrich Schmidt, John Pyle and Jean-Pierre Pommereau who will each present their thoughts and memories of the last 25 years. Contributions from the floor are warmly invited. There will be space on the poster boards for participants to display photographs and other memorabilia of the various people, campaigns, projects, meetings etc. Finally we are very happy that Rebecca Penkett will be coming to Schliersee. Despite her many years in the Coordinating Unit, she never attended a meeting at Schliersee and so this a chance for her to visit as well as to see the European scientists together one more time.

The conference dinner will be held on the evening of Tuesday 16th June. The venue is the Stögeralm which is about a 30 minute walk from Schliersee, located about 100m above the lake with a very nice view. More information will be available at registration. A choice of main courses will be offered: two with meat and one vegetarian. Each participant will have to make their choice at registration.

The Wednesday afternoon is a joint session with the opening session of the COST workshop on Atmospheric Water Vapour in the Climate System (WAVACS) which follows immediately on from the SCOUT-O3 meeting. See <http://www.isac.cnr.it/wavacs/workshop> for more information

The Organising Committee

Monday 15th June

Morning (chair: (i) U. Schmidt; (ii) V. Marécal)

0900	Opening remarks	J.A. Pyle and M. Dameris
0915	View from EC DG Research	C. Brüning
0930	Review of SCOUT-O3 & plans for the UNEP-WMO Ozone Assessment: 2010	J.A. Pyle
1000	Management issues - the final straight	N.R.P. Harris
1030	Coffee	
1100	Transport in the TTL	P.H. Haynes
1130	Influence of clouds in the TTL	Th. Peter
1200	Studies of nitrous, nitric and pernitric acid uptake on ice	Th. Bartels-Rausch ¹
1120	Cirrus and water vapour in a chemistry-transport model	A.R. MacKenzie ²
1240	Discussion	
1245	Lunch and poster session	

Afternoon (chair: (i) A. Hauchecorne; (ii) C. Schiller)

1445	Welcome from the Mayor of Schliersee	F. Schnitzenbaumer
1450	Composition of air and its seasonality within the TTL: Impact of Asian monsoon.	P. Konopka
1510	Tracer measurements in the tropical tropopause layer during AMMA/SCOUT-O3	C. Homan
1530	Quantifying the input of halogen species into the stratosphere	A. Engel
	Discussion	
1545	Tea	
1615	Composition of the TTL over Darwin: local mixing or long-range transport?	G. Vaughan ²
1635	Convective Troposphere-to-Stratosphere Transport in the Tropics	J-P. Pommereau
1655	Modelling the transport of very short-lived substances into the tropical UTLS	B-M. Sinnhuber ³
1715	Discussion	
1730	Posters with refreshments	
1900	Memory lane	
	A gentle review of the past 25 years of European stratospheric research with contributions from U. Schmidt, J-P. Pommereau and J.A.Pyle. All are invited to bring stories, photos, etc..	

¹ see abstract by Ammann et al.

² see abstract by Horseman et al.

³ see abstract by Heyes et al.

² see abstract by Aschmann et al.

Tuesday 16th June

Morning (chair: (i) *P. Braesicke*; (ii) *Y. Orsolini*)

0900	Brewer-Dobson circulation & Stratosphere/tropospheric coupling	B. Legras
0930	Past ozone variability and changes at mid-latitudes	J. Staehelin
1000	Polar ozone loss	M. Chipperfield
1030	Discussion	
1045	Coffee	
1115	Influence of upper stratosphere and mesosphere on the stratosphere/troposphere coupling	B. Christiansen
1135	Transport regimes and the distribution of CO and H ₂ O in the UTLS	P. Hoor
1155	SWIFT - A new fast semi-empirical model for polar ozone loss	M. Rex
1215	Enhanced formation of HNO ₃ due to water vapour from the reaction of NO with HO ₂ :	J.E. Williams
1235	Discussion	
1245	Lunch	

Afternoon (chair: (i) *C. Cagnazzo*; (ii) *V. Eyring*)

1415	Stratospheric aerosols	F. Cairo
1445	Predictions of ozone recovery in a changing climate	M. Dameris & U. Langematz
1515	Troposphere-stratosphere transport in the tropics from CALIPSO aerosol measurements	J-P. Vernier
1535	Water uptake impedance of glassy organic aerosols	B. Zobrist
1600	Tea	
1630	Eval ⁿ of CCM simulations with O ₃ measurements: focus on northern midlatitudes	C.Bruehl
1650	Evolution of the aerosol cloud after major volcanic eruptions...	U. Niemeier
1710	Discussion	
1730	Posters	
1930	Conference dinner	

Wednesday 17th June

Morning (chair: *J. Kaurola*)

- 0900 Past and Future UV radiation changes A. Bais
0930 Reconstruction and prediction of erythemal UV-radiation at two sites in Austria P. Weihs
1000 Health-risks associated with ozone layer thinning: a global analysis A. van Dijk
- 1030 Discussion
- 1045 Coffee
- 1115 SCOUT-O3 highlights and relevance for UNEP-WMO 2010 (J.Pyle and N. Harris with discussion)
1200 Future EU research (a) SHIVA K. Pfeilsticker
1215 Future EU research (b) RECONCILE F. Stroh
1230 Discussion
- 1245 Lunch

Afternoon

1400 Joint session on water vapour with COST-H2O

1400 Session 1 Chair: G. Vaughan

- A review of our understanding of water vapour in the TTL S. Fueglistaler
Evolution of stratospheric water vapour observed by Odin and other satellites J. Urban -
Ice supersaturation and ice crystal number concentrations in the TTL P. Spichtinger
BASCOE H₂O analyses from chemical data assimilation of MLS and MIPAS Q. Herrera

1600 Coffee Break

1630 Session 2 Chair: F. Fierli

- Troposphere-to-stratosphere transport: Insight from the water isotope tape recorder signal T. Roeckmann,
SOWER data - comparison with Costa Rica soundings (Preliminary title) H. Voemel

1730 Close and poster session