

Agenda

Day 1

	Time		
Transfer from IBK Airport to Obergurgl	18:30 - 20:30		
Check-in, dinner, icebreaker	20:30 -		

Day 2

Theme 1: Ecosystems - leaf, soil and ecosystem exchange

	Time	Chair/Co-chair	Presentation
Breakfast	07:30 - 08:15		
Opening	08:15 - 08:30		<i>Georg Wohlfahrt</i>
	08:30 - 09:15	<i>Fabienne Maignan Chen Davidson</i>	What we don't know about OCS-specific uncertainties. <i>Mary Whelan</i>
	09:15 - 09:40		Exchange of OCS, the role of soils. <i>Jürgen Kesselmeier</i>
	09:40 - 09:55		Soil COS exchange - biotic vs. abiotic drivers. <i>Florian Kitz</i>
Coffee	10:00 - 10:30		
	10:30 - 10:55		The role of understory vegetation in surface COS fluxes in a boreal forest. <i>Kadmiel Maseyk</i>
	10:55 - 11:10		5 years of COS flux measurements over a boreal forest. <i>Kukka-Maaria Erkkilä</i>
	11:10 - 11:35		Interaction of soil, over- and understory COS fluxes in an arid forest. <i>Katharina Gerdel</i>
	11:35 - 11:50		COS patterns in different dryland ecosystems: seasonal variations among natural and planted vegetation. <i>Rafael Stern</i>
	11:50 - 12:15		From daily to seasonal patterns of COS ecosystem fluxes. <i>Felix Spielmann</i>
Lunch	12:15 - 13:30		
Relax	13:30 - 14:30		

Theme 2: Atmospheric composition –remote sensing, anthropogenic contributions, the role of the ocean

	14:30 - 15:15	<i>Roisin Commane Rafael Stern</i>	Estimating oceanic emissions of carbonyl sulfide: Progress and open questions. <i>Sinikka Iennartz</i>
	15:15 - 15:30		Constraints from atmospheric measurements on ocean-atmosphere fluxes of COS. <i>Parvadha Suntharalingam</i>
	15:30 - 15:45		Measurements of open ocean water and atmospheric COS concentration with a QCL. <i>Katharina Gerdel</i>
	15:45 - 16:15		COS fluxes over a river in Finnish Lapland. <i>Kukka-Maaria Erkkilä</i>
	16:15 - 16:30		Measurements for COS with mid-IR Absorption. <i>Mark Zahniser</i>
Coffee	16:30 - 17:00		
Relax/buffer	17:00 - 18:30		
Dinner	18:30 - 20:00		
Entertainment	20:00 -		

Day 3

Theme 2: Atmospheric composition –remote sensing, anthropogenic contributions, the role of the ocean

	Time	Chair/Co-chair	Presentation
Breakfast	07:30 - 08:15		
	08:15 - 09:00	<i>Mary Whelan Sophie Baartman</i>	The global budget of Carbonyl sulfide: recents insights and remaining unknowns. <i>Maarten Krol</i>
	09:00 - 09:25		Using airborne data to evaluate the global OCS budget. <i>Roisin Commane</i>
	09:25 - 09:50		AirCore observations of carbonyl sulphide. <i>Huilin Chen</i>
	09:50 - 10:15		Assessment of regional gridded anthropogenic emissions inventory of carbonyl sulfide based on air-monitoring in central France. <i>Sauveur Belviso</i>
Coffee	10:15 - 10:45		

Theme 3: Applications – GPP and transpiration estimates, multiple constraints, modelling

	10:45- 11:10		Measuring COS isotopologues. <i>Sophie Baartman & Elena Popa</i>
	11:10 - 11:35		Constraining the isotopic COS budget using a column model. <i>Juhi Nagori</i>
	11:35 - 11:50		Isotopic composition of COS in the atmosphere and in seawater. <i>Chen Davidson</i>
	11:50 - 12:15		Isotopic fingerprints of carbonyl sulfide (COS) in atmosphere and biosphere. <i>Jan Kaiser</i>
Lunch	12:15 - 13:15		
Hiking, scientific discourse	13:15 - 17:00		
Relax	17:00 - 18:00		
Conference dinner	18:00 -		

Day 4

Theme 3: Applications – GPP and transpiration estimates, multiple constraints, modelling

	Time	Chair/Co-chair	Presentation
Breakfast	07:30 - 08:15		
	08:15 - 09:00	<i>Georg Wohlfahrt Juhi Nagori</i>	Sun-induced chlorophyll fluorescence and carbonyl sulfide: a useful tie-up? <i>Karolina Sakowska</i>
	09:00 - 09:15		Constraining the terrestrial Gross Primary Production using carbonyl sulphide measurements. <i>Marine Remaud</i>
	09:15 - 09:40		Evaluation of CMIP5 and CMIP6 Gross Primary Production using atmospheric COS and CO ₂ data. <i>Philippe Peylin</i>
	09:40 - 09:55		Introducing a mechanistic modeling of COS absorption in the ORCHIDEE Land Surface Model. <i>Fabienne Maignan</i>
	09:55 - 10:10		Where is the missing CO ₂ ? A novel multi-species approach to trace the fate of atmospheric CO ₂ in Fiordland, New Zealand. <i>Peter Sperlich</i>
Coffee & check-out	10:10 - 11:00		
	11:00 - 11:55	<i>Fabienne Maignan Chen Davidson Roisin Commane Rafael Stern Mary Whelan Sophie Baartman Georg Wohlfahrt Juhi Nagori</i>	Wrap-up reports from session chairs/co-chairs and general discussion
Closing	11:55 - 12:00	<i>Georg Wohlfahrt</i>	
Lunch bag, transfer to IBK Airport	12:00 – 14:00		