



Preliminary Programme AWIPEV Workshop Bremen

**Institute of Environmental Physics
Otto-Hahn-Allee NW 1**

Room NW1 - S 1360

Wednesday 8. Oct. 2008

Time	Speaker	Title	Room
14:00	K. Lochte	Opening of the workshop	
14:15 - 14:45	M. Griselin & E. Bernard	Hydro-Sensor-FLOWS : a IPY French-German Program (2006-2010) to Survey a Polar Glacier (Austrelovenbre, 79° N, Spitsbergen)	
14:45 - 15:00	F. Obleitner	Meteorological aspects of the mass and energy balance of Kongsvegen glacier, Svalbard	
15:00 - 15:30		<i>Coffee & Discussions</i>	
15:30 - 15:45	V. Mares	Measurement of Secondary Neutrons from Cosmic Radiation at the AWIPEV Station	
15:45 - 16:00	J. Deloffre	Dynamics of the sediments on the Southern Kongsfjorden shore (Spitsbergen)	
16:00 - 18:00		Poster-Session	
16:00 - 18:00	<i>Griselin, Ulrich, Westermann, Obleitner, ...</i>	Suggested Discussion group "Cryosphere Remote Sensing"	

Thursday, 9. October 2008

Time	Speaker	Title	Room
9:00 - 9:15	S. Westermann	Sensitivity of the Arctic's permafrost water and energy balance under a changing climate	
9:15 - 9:45	M. Rex	Ozone loss in the Arctic - Current understanding and links to changes in climate	
9:45 - 10:00	S. Lischka	Preliminary results on the influence of ocean acidification on the Arctic shelled pteropod <i>Limacina helicina</i> reared under manipulated pCO ₂ conditions	
		<i>Coffee & Discussions & Postersession</i>	
11:15 - 11:30	J. Sawicka	Community composition, biogeochemistry and temperature adaptation of anerobic micororganisms in marine sediments	
11:30 - 11:45	M. Hulle	Is the life cycle of high arctic aphids adapted to climate change?	
11:45 - 12:00	M. Graeve	Metabolism and turnover of lipids of zooplankton key species in Kongsfjorden	
12:00 - 12:15	J. Laudien	Perspectives for using a ROV to study benthic assemblages colonizing newly ice-free areas	

12:30 - 13:30 Served Lunch at Univ. Bremen Mensa "Club Room"

14:15 - 14:45	J.-F. Gayet	Characteristics of Arctic mixed-phase clouds (ASTAR 2004 & ASTAR2007 campaigns)	
14:45 - 15:00	E. Schultz	Proposal of a study on atmospheric particles on Greenland - background, motivation, activities	
15:00 - 15:15	M. Kriews	Determination of Heavy Metals in Aerosols and Deposition Samples	
15:15 - 15:45		<i>Coffee & Discussions</i>	
15:45 - 16:00	S. Wuttke	NDACC measurements of spectral solar UV irradiance at Ny-Ålesund	
16:00 - 16:15	H. Nakajima	Polar Stratospheric Cloud measurement with ground-based FTIR in Ny-Ålesund	
16:15 - 16:30	C. Cordoba-Jabonero	Polar Stratospheric and Cirrus Cloud Observations in the 2006-2007 Arctic Winter by an improved Micro Pulse Lidar	
16:30 - 18:00		Poster-Session	
16:30 - 18:00		Suggested Discussion group "PSC Measurements"	
16:30 - 18:00	<i>Schultz, Kriews, Norra, Sittler, Yoon, Sciare...</i>	Suggested Discussion group "In-situ aerosol measurements"	
16:30 - 18:00	<i>Gayet, Lampert, Obleitner, Ritter...</i>	Suggested Discussion group "Tropospheric aerosols & Boundary Layer"	

19:30

Joined Dinner at Bremer Ratskeller

Friday, 10. October 2008

Time	Speaker	Title	Room
9:30 - 10:00	G. Sand	Svalbard Integrated Arctic Earth Observing System (SIAEOS)	
10:00 - 10:15	B. Halgunset	Ny-Ålesund, research and monitoring base at 79° N	
10:15 - 10:45	K. Holmen	An outlook on NPI research and activities in Ny-Ålesund in the years to come	
10:45 - 11:15		<i>Coffee & Discussions</i>	
11:15 - 11:30	M. Klages	From Kongsfjorden to the Deep Sea “Hausgarten”	
11:30 - 11:45	A. Viola	The Climate Change Tower: a platform for multidisciplinary studies of the different processes involved in the climate change in the Arctic region	
11:45 - 12:00	F. Delbart & R. Neuber	Recent and future facility developments at AWIPEV-Base	
12:00	Y. Frenot	Concluding remarks & Adjourn	

Poster-Contributions in alphabetical order

(as of 10. Oct. 2008)

Delbart, Franck	Facilities for future use on the AWIPEV Base
Dethleff, Dirk	Sediment loads on Arctic macroalgae - Experiment results and implications to Kongsfjorden ecosystem
Halgunset, Bendik	Ny-Ålesund, research and monitoring base at 79° N
Heinrich, S., F. Steinhoff, Chr. Wiencke	Biology of Arctic Macroalgae (KOL 06)
Klages, Michael	“Hausgarten”
Maturilli, Marion	BSRN (Baseline Surface Radiation Network) Station and Meteorological Observations in Ny-Ålesund
Maturilli, Marion	Stratospheric Water Vapour
Maturilli, Marion	Tethered Balloon Measurements
Mollenhauer, Gesine & Rethemeyer, Janet	From Soil to Ocean: Transfer of terrigenous organic carbon from permafrost soils to the Arctic Ocean
Neuber, Roland	Ny-Ålesund Scientific Managers Committee (NySMAC) and the Kongsfjorden International Research Base (KIRB)
Palm, Mathias	Passive remote sensing of trace gases by microwave and infrared spectroscopy
Petit, Fabienne	Occurrence of bacterial indicator of faecal contamination - First results in Kongsfjorden
Ritter, Christoph	Lidar Observations at Ny-Ålesund - previous achievements and aims for the future
Schmidt, Gesine	Secondary metabolites in <i>haliclona viscosa</i>
Schwanitz, Max	Scientific diving in the Kongsfjord
Sciare, Jean	Physical and chemical properties of aerosols during summertime in Spitsbergen
Sihler, Holger	Halogen Activation Processes in the Polar Atmosphere - Linking Observations from Space to the In-situ Scale
Sittler, Benoit	Arctic species as indicators of climate change: insights from ongoing long term research in High Arctic Greenland
Treffeisen, Renate	The new regional climate office for polar regions and sea level rise
Ulrich, Mathias	Field investigation of periglacial structures on Broegger Peninsula, Svalbard as Martian analogues studies
Waldmann, Chr.	Acoustic detection of ice cracking events
Wittrock, Folkard	Measurements of atmospheric trace gases above Ny-Ålesund using UV/vis spectroscopy since 1995
Yoon, Young Jun	Differences in the aerosol characteristics from measurements at two different altitudes in Ny-Ålesund, Svalbard

