

Program "Leipziger Staubtag"

6 March 2014, KUBUS Leipzig, Permoser Str. 15, 04318 Leipzig

08:30-09:00	Registration & Coffee	
Time	Presenter	Title
09:00	Ina Tegen, TROPOS Leipzig	Welcome
09:05	Konrad Kandler, TU Darmstadt	SEM-EDX Einzelpartikelanalyse von Saharastaub: Zusammensetzung und optische Eigenschaften aus aktuellen Beobachtungen
09:20	Stephen Galer, MPI Mainz	Radiogenic isotope tracing of Northern African dust provenance and transport pathways across the Atlantic Ocean
09:35	Stefan Krüger, Uni Leipzig	The geological record of dust influx to the Eastern Mediterranean Sea used for palaeoclimate reconstructions
09:45	Laura Korte, NIOZ Den Burg	Collecting Saharan dust from source to sink: A transatlantic experimental setup
10:05	Roger Funk, ZALF, Müncheberg	Dust emissions from arable land
10:20	Bernadett Weinzirl, DLR Oberpfaffenhofen	Modification of Saharan Mineral Dust during Transport across the Atlantic Ocean – Overview and Results from the SALTRACE Field Experiment
10 min Discussion + 15 min Coffee Break		
11:00	Daniel Sauer, DLR Oberpfaffenhofen	Airborne in-situ measurements of the dust coarse mode during SALTRACE
11:15	Thomas Müller, TROPOS Leipzig	Properties of mineral dust: Results from laboratory measurements and field campaigns
11:30	Fomba, Wadinga TROPOS Leipzig	Chemical characterization of mineral dust
11:45	Volker Freudenthaler, LMU München	About the accuracy of two-wavelength lidar depolarisation measurements for SALTRACE aerosol classification with POLIS-6
12:00	Ulla Wandinger, TROPOS Leipzig	EARLINET observations of Saharan dust outbreaks over Europe
12:15	Thomas Ode, IOW Warnemünde	Investigations of IOW-Remote Sensing group in relation to Sahara dust
12:30	Lars Klüser, DLR Oberpfaffenhofen	Remote sensing of dust properties from hyperspectral infrared satellite observations (IASI)
12:45	Diana Mancera-Guervara, DLR Oberpfaffenhofen	Estimation of occurrence and vertical distribution of aerosols in the lower boundary layer for solar energy applications: comparison of satellite and modeling approaches
15 min Discussion + 45 min Lunch Break		
14:00	Yaping Shao, Uni Köln	Staubdeposition: Laborbeobachtung und Schema
14:15	Kerstin Schepanski, TROPOS Leipzig	Modelling desert dust
14:30	Tim Carlsen, Uni Leipzig	Simulation von heutigem und glazialen Staubtransport im Klimamodell ECHAM5-HAM2
14:45	Tanja Stanelle, ETH Zürich	Changes in anthropogenic contribution of mineral dust from the 1870s to 2010s
15:00	Christophe Bergemann, DLR Oberpfaffenhofen	Desert dust simulation with POLYPHEMUS/DLR
15:15	Martina Klose, Uni Köln	Konvektive Staubemission
10 min Discussion + 20 min Coffee Break		
16:00	Stephanie Fiedler, Uni Leeds	Meteorologische Prozesse fuer Staubemission in Nordafrika
16:15	Ottmar Möhler, KIT Karlsruhe	Eisnukleation von Wüstenstaub und anderen Mineralpartikeln: Prozesse und Parametrisierungen
16:30	Heike Wex, TROPOS Leipzig	Immersion freezing behaviour of different mineral dust particles as ice nuclei: differences and similarities
16:45	Isabelle Steinke, KIT Karlsruhe	Heterogene Eisnukleation von Bodenstäuben mit unterschiedlichem Gehalt an organischen Materialien
17:00	Stefanie Augustin, TROPOS Leipzig	Ice nucleation ability of mineral dust particles mixed with biological substances
17:15	Discussion	