

7. Staubtag (TROPOS, Leipzig)

Thursday, 14 September 2023		
13:00	Welcome	
13:10	Martina Klose	The Jordan Wind erosion And Dust Investigation (J-WADI)
13:25	Bernadett Weinzierl	The A-LIFE field experiment: investigating mineral dust mixtures in the Eastern Mediterranean
13:40	Marilena Teri	The impact of mixing pollution and mineral dust from different sources on aerosol optical properties in the eastern Mediterranean
13:55	Christian Opp	Land cover characteristics of sand and aeolian dust sources in Iran
14:10	Jamie Banks	Patterns of modelled dust activity over Central Asia due to dust originating from the Aralkum (the former Aral Sea), along with associated radiative effects
14:25	Dietrich Althausen	Second Central Asian DUST Conference (CADUC-2) in Nukus (south of Aral Sea; Uzbekistan), 14 – 22 April 2024
14:30	Coffee Break and Poster Session	
16:00	Sofía Gómez Maqueo Anaya	Implementation of minerals in COSMO-MUSCAT
16:15	Jochen Förstner	Operationalisierung der Mineralstaubvorhersage mit ICON-ART und Einführung eines gemischten Ensembles am DWD
16:30	Natalie Ratcliffe	Evaluating Coarse Dust Transport in the HadGEM Climate Model and Determination of the Dominant Transport and Deposition Processes
16:45	Matthias Faust	Modelling Dust Emission From European Cropland
17:00	Demetrius Ramette	Modeling a Martian Global Dust Storm: From dust sources to sinks
19:00	Dinner	
Friday, 15 September 2023		
09:00	Moritz Haarig	OLALA – Optical Lab for Lidar Applications – Investigation of the Depolarization Ratio in the exact Backscatter
09:15	Lisa-Maria Wieland	Impact of changes in mineral dust size distribution after long-distance transport on dust optical properties and radiative effects
09:30	Aryasree Sudharaj	Morphological and chemical changes of Saharan dust during long-short range transport: Evidence from multiple campaigns
09:45	Khanneh Wadinga Fomba	Dust nutrient fluxes in the Southern and Northern Atlantic Ocean
10:00	Coffee Break and Poster Session	
11:00	Pavla Dagsson- Waldhauserova	High Latitude Dust measurements and networks
11:15	Kerstin Schepanski	Dust emission from dust sources in Iceland: First insights from HiLDA
11:30	Konrad Kandler	Differences and similarities of Saharan and Icelandic dusts from an electron microscopy perspective
11:45	Albert Ansmann	Role of dust particles in ice nucleation processes in the high Arctic: Discussion of MOSAiC Polarstern results
12:00	Closing Remarks	
12:15	End of the Meeting	

Poster

Christian Opp	Investigation of wind regime in the second dried lake bed dust source in Iran resp. Investigation of wind speed and dusty days in the second largest dried lake bed dust source in Iran
Sebastian Vergara Palacio	Extending the study of ice nucleation of mineral dust towards larger size
Dietrich Althausen	Second Central Asian DUSt Conference (CADUC-2) in Nukus (south of Aral Sea; Uzbekistan), 14 – 22 April 2024
Hannah Meyer	Exploring the Abundance of Giant Mineral Dust Particles: Comprehensive Size Distribution Analysis at a Desert Emission Source in Jordan
Miriam Britt Marzen	Transition from stable crust to eroding crust under steady friction velocity during mobile wind tunnel tests
Roger Funk	Wind erosion and particulate matter emissions measured in the La Pampa region of Argentina
Nabil Deabji, Eduardo José dos Santos Souza	Mineral dust in Northern Africa: oxidative potential and chemical composition
Robert Wagner	Fire-driven dust emissions – applying a newly developed parameterization scheme in a global aerosol-model