



Leibniz Institute for
Tropospheric Research

Staubtag 2018

Oral Program (28 November 2018)

<i>Time</i>	<i>Title</i>	<i>Presented by</i>
08:30	<i>Welcome Reception, Poster Setup</i>	
09:00	Welcome and introduction to COST action inDust	Konrad Kandler Ina Tegen
09:15	Aircraft observations of dust coarse and giant particles during transport, and importance for size, mass and optical properties	Claire Ryder
09:45	The A-LIFE field experiment in the Eastern Mediterranean – Studying mixtures of absorbing aerosols	Bernadett Weinzierl
10:00	Immersion freezing activity of natural desert dust and its relationship to their mineralogical composition	Romy Fösig
10:15	The impact of agricultural dusts on cloud ice formation – Searching for the root cause	Isabelle Steinke
10:30	Atmospheric aerosol, CCN and INP in the dusty region of the Cape Verde islands	Xianda Gong
10:45	<i>Coffee break</i>	
11:15	Identifying wintertime African mineral dust sources and analysing their elemental composition	Natalie Bakker
11:45	Monitoring dust geochemical composition of Saharan dust deposited on the West African margin for paleoclimate purposes	Meryll LeQuilleuc
12:00	An attempt to discriminate geogenic and anthropogenic signals in Saharan dust using Pb isotopes	Sylvie Philippe
12:15	Dust source for the Amazon rain forest	Damien Guinoiseau
12:30	Monitoring dust depositions in the south and west of Iran	Mansour Ahmadi Foroushani
12:45	Dry deposition sampling of mineral dust aerosol particles using passive and active samplers in a dust transport region (Tenerife): Results from single-particle characterization	Andebo Waza
13:00	<i>Lunch break & Poster session</i>	
14:45	The ancient dust-reservoirs of the Atacama desert	Tibor Dunai
15:15	Dust in Iceland and Antarctica	Pavla Dagsson- Waldhauserova
15:30	FRAGMENT: FRontiers in dust minerAlOgical coMposition and its Effects upoN climaTe	Martina Klose
15:45	Assessment of the applicability of two commonly used dust emission schemes for estimating fire-driven dust emissions	Robert Wagner

<i>Time</i>	<i>Title</i>	<i>Presented by</i>
16:00	Sensitivity of the colour of dust in MSG-SEVIRI desert dust infrared imagery to surface and atmospheric conditions	Jamie Banks
16:15	<i>Coffee Break</i>	
16:45	Identification of dust sources in a Saharan dust hot-spot and their implementation into a dust-emission model	Stefanie Feuerstein
17:00	Regional modelling of the impact of Saharan dust on atmospheric ice nucleation	Bernd Heinold
17:15	From dust to ice – Estimation of ice nucleating particles within a dust layer	Moritz Haarig
17:30	Radiative effects of long-range transported Saharan air layers as determined from airborne lidar measurements	Manuel Gutleben
17:45	Towards quantification of the dust impact on ice formation in altocumulus and cirrus layers	Albert Ansmann
18:00	Dust over the coastal site Haifa	Dietrich Althausen
18:15	Closing remarks and outlook	Konrad Kandler Kerstin Schepanski
20:00	<i>Dinner at restaurant 'Sitte'</i>	

Poster Contributions

<i>Title</i>	<i>Presented by</i>
Assessment of the mineral dust related reduction of photovoltaic power generation in Central Europe with ICON-ART	Vanessa Bachmann
Dust emission from European cropland	Matthias Faust
Modelling Namibian dust emission in the framework of AEROCLO-sA	Stefanie Feuerstein
Loess formation processes and inferences for paleoclimate reconstruction: cautionary tales from the Ili Basin loess, Central Asia	Kathryn Fitzsimmons
EarthCARE-relevant aerosol classification applied on CyCARE ground-based lidar measurements	Athina Avgousta Floutsi
The unresolved questions about mineral dust	Moritz Haarig
DUST.ES: Addressing key uncertainties in mineral DUST EmiSsion modelling to better constrain the global dust cycle	Martina Klose
Mineral dust in paleo-climate simulations of the last glacial	Anne Kubin
Mineral dust during the last glacial – Simulations with a comprehensive earth system model	Ute Merkel
Wind-driven emission of Enterococcus faecium from agricultural soils fertilized with poultry manure	Nadine Thiel
Loess sequences in the southern Caucasus – A challenging archive for reconstructing the Middle to Late Pleistocene	Tilman Wolpert

Venues

Arrival Dinner	27.11.2018 19:00	Brauhaus Grohe, großer Saal Nieder-Ramstädter Str. 3, 64283 Darmstadt https://goo.gl/maps/Gbfp7bBav9w	N 49.8747, E 8.6605
Workshop Venue	28.11.2018 08:30	Room 18, building S3 20 Rundeturmstraße 10, 64283 Darmstadt https://goo.gl/maps/jq4NbJs3QbJ2	N 49.8696, E 8.6562
Staubtag Dinner	28.11.2018 20:00	Restaurant Sitte Karlstraße 15, 64283 Darmstadt https://goo.gl/maps/UiLNiL3B1hN2	N 49.8692, E 8.6569

List of participants

Althausen, Dietrich	Gasteiger, Josef	Schepanski, Kerstin
Ansmann, Albert	Gong, Xianda	Scheuven, Dirk
Bachmann, Vanessa	Groß, Silke	Schneiders, Kilian
Bakker, Natalie	Guinoiseau, Damien	Schöberl, Manuel
Banks, Jamie	Gutleben, Manuel	Steinke, Isabelle
Benker, Nathalie	Haarig, Moritz	Sudharaj, Aryasree
Bory, Aloys	Heimerl, Katharina	Tegen, Ina
Dagsson-Waldhauserova, Pavla	Heinold, Bernd	Teri, Marilena
Dunai, Tibor	Heuser, Johannes	Thiel, Nadine
Ebert, Martin	Kandler, Konrad	Toledano, Carlos
Erba, Michelle	Kasper, Judith	Wagner, Robert
Eriksen Hammer, Stine	Klose, Martina	Walser, Adrian
Faust, Matthias	Kubin, Anne	Wandinger, Ulla
Feuerstein, Stefanie	Le Quilleuc, Meryll	Waza, Andebo
Fitzsimmons, Kathryn	Merkel, Ute	Weger, Michael
Floutsi, Athin Avgousta	Panta, Agnesh	Weinbruch, Stephan
Foroushani, Mansour Ahmadi	Pantillon, Florian	Weinzierl, Bernadett
Fösig, Romy	Philippe, Sylvie	Werner, Martin
Freudenthaler, Volker	Ryder, Claire	Wolpert, Tilmann
Galer, Stephen	Samaras, Stefanos	