



Workshop Agenda (V02, 02.03.2018, bw)

Monday, 5 March 2018		
09:00-09:20	Registration and coffee	
Session 1: Overview of meteorological situation and research flights		
09:20-09:30	Bernadett Weinzierl (UNIVIE)	Welcome & introduction to workshop
09:30-10:30	Heidi Huntrieser (DLR), Robert Wagner (TROPOS) & Bernadett Weinzierl (UNIVIE)	Meteorological overview, research flights and air mass origins for the A-LIFE field experiment
10:30-10:45	Anne Philipp (UNIVIE)	FLEXTRA and FLEXPART trajectory simulations
10:45-11:00	Coffee break	
Session 2: Overview of aerosol distribution in April 2017		
11:00-11:10	Albert Ansmann (TROPOS) for Chudnovsky et al.	Aerosol-optical-depth maps (1 km horizontal resolution) over the Eastern Mediterranean Sea during A-LIFE from MODIS/MAIAC
11:10-11:25	David Mateos (University of Valladolid)	Sun/Sky/Moon Photometer observations at Limassol and Pafos
11:25-11:40	Volker Freudenthaler (LMU München)	Overview of the vertical structure of the atmosphere during A-LIFE from POLIS-6 lidar measurements
11:40-11:55	Rodanthi Mamouri (Cyprus University of Technology)	Overview of the ground based remote sensing observations over Limassol: CY-CARE and CUT measurements during A-LIFE
11:55-12:10	Vassilis Amiridis (NOA Athens)	Overview of the Pre-TECT campaign
12:10-12:25	Discussion	
12:25-14:15	Lunch break	
Session 3: Airborne measurements during A-LIFE & aerosol optical properties		
14:15-14:30	Stephan Rahm (DLR)	Overview of the 2 micron Doppler lidar data
14:30-14:45	Marilena Teri (UNIVIE)	Airborne multi-wavelength scattering measurements in Arabian and Saharan dust layers
14:45-15:00	Katharina Heimerl (UNIVIE)	Airborne black carbon measurements during A-LIFE
15:00-15:15	Luka Drinovec (University of Ljubljana)	In-situ determination of mineral dust absorption
15:15-15:45	Coffee break	
Session 4: Dust size distributions, ice nucleating particles & clouds		
15:45-16:00	Maximilian Dollner (UNIVIE)	Coarse mode aerosol and cloud measurements during A-LIFE
16:00-16:15	Ottmar Möhler (KIT Karlsruhe)	Time series and temperature spectra of ice nucleating particles
16:15-16:30	Albert Ansmann (TROPOS)	Profiling of ice nucleating particle and ice crystal number concentrations in mixed-phase clouds and cirrus embedded in mineral dust over the Eastern Mediterranean: Lidar/radar observations
16:30-16:45	Maria Kezoudi (University of Heartforshire, UK)	Profiling mineral dust size distributions in the eastern Mediterranean with a novel balloon-borne open-path optical particle counter (UCASS) and validation with coinciding measurements, lidar and sun-photometer retrievals
16:45-17:15	Discussion	
19:00	Joint dinner	

Tuesday, 6 March 2018		
09:00-09:15	Coffee & discussion	
Session 5: Ground-based measurements during A-LIFE		
09:15-09:30	Thomas Müller (TROPOS) via Skype	Overview of the ground-based in-situ measurements during A-LIFE
09:30-09:45	Nikos Kalivitis (University of Crete) for Jean Sciare (The Cyprus Institute, Cyprus)	Overview of aerosol optical/physical/chemical properties at the Cyprus Atmospheric Observatory (550m asl) and at the Troodos station (1820m asl) during the A-LIFE campaign
09:45-10:00	Sophia Brilke (UNIVIE)	New Particle Formation and Sub-10nm Size Distribution Measurements in Paphos, Cyprus, during the A-LIFE field experiment
10:00-10:15	Konrad Kandler (TU Darmstadt)	First results of single-particle chemistry during A-LIFE
10:15-10:30	Albert Ansmann for Veselovskii et al.	Aerosol composition profiles from multiwavelength lidar (inversion) in combination with aerosol-component-
10:30-11:00	Discussion	
11:00-11:15	Coffee break	
Session 6: Aerosol retrievals and optical modelling		
11:15-11:30	Adrian Walsler (UNIVIE)	The Saharan air layer and its role as a reservoir for cloud condensation nuclei (CCN)
11:30-11:40	Clemens Weselka (UNIVIE)	Short overview of A-LIFE airborne CCN measurements during A-LIFE
11:40-11:55	Moritz Haarig (TROPOS)	CCN number concentrations of dust derived by lidar and compared to Falcon in situ measurements during
Session 7: CCNC observations including related results from the SALTRACE field experiment		
11:55-12:10	Hans Grob (LMU München)	Optimal estimation of aerosol properties from polarimetric sun photometer measurements
12:10-12:25	Josef Gasteiger (UNIVIE)	Effect of particle orientation and refractive index on OPC data evaluation
12:25-13:45	Lunch break	
Session 8: Publication plans and future collaborations for data analysis		
13:45-15:00	Discussion of publication plans, data needs, setup of a special issue etc.	
After 15:00	Time for discussion of SALTRACE-related publications in smaller groups	

Acknowledgements: This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme under grant agreement No. 640458 (A-LIFE). The German Aerospace Center (DLR) provided funding for a significant amount of additional flight hours and aircraft allocation days for the A-LIFE aircraft field experiment. Furthermore, two EUFAR projects were clustered with A-LIFE which provided funding for 16 flight hours.