

Agenda A-LIFE Workshop - 8 and 11 February 2021 (V03, 8 February 2021)

Guest link & access code: see E-Mail (sent on 08 February 2021 by the PI)

Monday, 08.02.2021 from 9:00-12:00

- 1 9:00-9:15 **Bernadett Weinzierl:** Workshop opening & goals of this meeting; short summary of A-LIFE
- 2 9:15-9:30 **Petra Seibert:** Update on FLEXPART-based products for A-LIFE
- 3 9:30-9:45 **Bernadett Weinzierl:** Classification of the A-LIFE data set into different aerosol classes
- 4 9:45-10:00 **Maximilian Dollner:** (Coarse-mode) size distribution and cloud measurements during ATom and A-LIFE
- 5 10:00-10:15 **Maximilian Dollner:** continued
- 6 10:15-10:30 **Nina Mahernndl:** Analysis of black carbon observations during A-LIFE with focus on source regions
- 7 10:30-10:45 **Agnieszka Kupc:** CCN measurements during A-LIFE
- 10:45-11:00 Break
- 8 11:00-11:15 **Aryasree Sudharaj:** Aerosol single-particle composition over the Mediterranean: An overview of first-cut results
- 9 11:15-11:30 **Marilena Teri:** Validation of the truncation correction for the Aurora 4000 polar nephelometer
- 10 11:30-11:45 **Manuel Schöberl:** Characterization of the airborne aerosol inlets used during A-LIFE
- 11 11:45-12:00 **Bernadett Weinzierl:** Availability of airborne in-situ data
- 12 12:00-12:15 **Maria Kezoudi:** Balloon-borne in-situ profiling of Saharan dust over Cyprus with the UCASS optical particle counter during A-LIFE

Monday, 08.02.2021 from 15:00-18:00

- 13 15:00-15:15 **Benjamin Witschas:** Overview of results from airborne 2- μ m Doppler wind lidar measurements performed during A-LIFE
- 14 15:15-15:30 **Carlos Toledano:** Sun-Moon photometer retrievals during A-LIFE
- 15 15:30-15:45 **Athena Augusta Floutsi:** Lidar aerosol typing for the A-LIFE field experiment
- 16 15:45-16:00 **Moritz Haerig:** Comparison of lidar-derived and in-situ-measured size distributions
- 17 16:00-16:15 **Eleni Marinou:** Comparison of lidar-derived and in-situ-measured concentrations towards new space-borne products of aerosol and cloud-relevant concentrations
- 18 16:15-16:30 **Kalliopi Voudouri:** Evaluation of the lidar aerosol typing algorithms developed within EARLINET & ACTRIS using Pre-Tect cases
- 16:30-16:45 Break
- 19 16:45-17:00 **Silke Groß:** Ground-based polarization sensitive Raman lidar measurements of dust and pollution during the A-LIFE field experiment
- 20 17:00-17:15 **Andreas Gattlinger:** Modelling of the optical properties of internally-mixed dust particles
- 21 17:15-17:30 **Eleni Drakaki:** Towards the improvement of dust forecast
- 22 17:30-17:45 **Florian Ewald:** Retrieval of ice cloud properties using the synergy of cloud radar and lidar measurements
- 23 17:45-18:00 **Matthias Tesche:** CCN concentrations from CALIPSO measurements: Retrieval and comparison to ATom data
- 24 18:00-18:15 Collection of discussion points for Thursday and closing of the workshop

Thursday, 11.2.2021 from 12:00-15:00 (discussions)

- Summary of important results from the presentations
- Discussion of list of planned papers
- Discussion of overview paper
- Discussion of potential special issue in ACP
- Discussion of data exchange and further focussed discussions about specific topics (maybe in break-out sessions)