



Scientific Program

25 November
9:15-9:30 D. Contini & L. Ferrero: Day1 Workshop opening
Session 1
Chairman: Dario Massabò
9:30-10:30 H. Horvat: General overview on aerosol optical properties and insight into aerosol scattering methods, and their advantages and limitations
10:30-11:00 Discussion
11:00-12:00 Grisa Mocnik: Aerosol absorption methods, from filter-based to airborne direct techniques. Applications from ground to airborne platforms
12:00-13:00 Discussion
13:00-13:30 Lunch break
Session 2
Chairman: Gabriele Curci
13:30-14:30 Dario Massabò: Scattering and absorption, environmental applications to source species apportionment. Applications, limitations and future perspective
14:30-15:00 Discussion
15:00-16:00 C. Ritter: Remote sensing of atmospheric aerosol, retrieval and inverse problems for aerosol - synergy with ground-based measurements
16:00-16:30 Discussion
16:30-16:45 L. Ferrero: Closing of Day1

2 December
9:15-9:30 L. Ferrero: Day2 Workshop opening
Session 3
Chairman: Henri Diémoz
9:30-10:30 G. Curci: Computation of aerosol optical properties and climate forcing in GCM. Most used methodologies (advantages and limitations) and needs from experimental campaigns for useful improvements and integrations
10:30-11:00 Discussion
11:00-12:00 L. Mona: Aerosol typing from remote sensing observations
12:00-13:00 Discussion
13:00-13:30 Lunch break

Session 4
Chairman: Giulia Pavese
13:30-14:30 D. De Santis: Machine learning methods in the retrieval of aerosol quantities from EO data, synergy with radiative transfer model- based simulations
14:30-15:00 Discussion
15:00-16:00 L. Alados Arboledas: Retrieval of aerosol microphysical properties by combination of photometry and lidar observations
16:00-16:30 Discussion
16:30-16:45 D. Contini & L. Ferrero