

Online measurements of chemical composition and size distribution of submicron aerosol particles in east Baltic region

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This presentation focuses on results of chemical composition of submicron aerosol particles during the experiment at the Air pollution research station in Preila, Lithuania. The size distribution and chemical composition of ambient aerosol particles (PM_{10}) were measured using an Aerodyne aerosol mass spectrometer (AMS)¹. The results of measurement are discussed referring to the air mass origin to determine the impact of various sources and atmospheric transport on the aerosol particles observed in Preila.

1. M.R. Canagaratna et. al, Chemical and Microphysical Characterization of Ambient Aerosols with the Aerodyne Aerosol Mass Spectrometer, *Mass Spectrometry Reviews*, 2007, 26, 185– 222.