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P-11. Mirjam Paales: Tracing the sources of aerosol events registered in Preila (Lithuania) during summer 2006

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This paper is intended to clarify the sources and source areas of aerosol measured in a field campaign in Preila, Lithuania, Kura isthmus, May – August 2006. The atmospheric advection-diffusion model SILAM is applied for that purpose in both source-oriented (forward) and receptor-oriented (inverse) modes. Nucleation bursts and high concentration episodes of sub-micron and PM10 particles are studied. Emissions of anthropogenic primary particles (EMEP data), SO₂, wildfires and sea salt are taken into account.