



INAUGURAL LECTURES

Air-Sea exchange impacting air quality and climate

Atmospheric particles in a nutshell: air quality and climate change

Professor Lise Lotte Sørensen and Professor Andreas Massling will introduce their research with focus on Atmospheric Science

2 Maj 2025 at 13:00 and 14:00

Niels Bohr Auditorium, Risø, Building 112, Frederiksborgvej 399, 4000 Roskilde



Lise Lotte Sørensen has been appointed Professor in Atmospheric Science at the Department of Environmental Science, Aarhus University, as of 1. September 2023.

Professor Sørensen holds an MSc in Environmental Engineering from Aalborg University (1989), and a PhD in Atmospheric Science from University of Copenhagen, Faculty of Science (1997). Before taking up the PhD candidate position she worked as a research assistant at the National Environmental Research Institute, Denmark (1990-1993). Before joining Aarhus University in 2008 she worked at the Department of Wind energy at Risø National Laboratory (1997-2007).

Professor Sørensen focus on the atmospheric surface processes resulting in changes in concentration levels of gases and aerosols in the atmosphere, in addition to concentration changes in the recipients. Over the past 35 years she has studied atmosphere – biosphere exchange of greenhouse gases, air-sea exchange of sea spray, the atmospheric load of nitrogen to natural ecosystems and the impact on the carbon cycle as well as the aerosol formation due to feedback processes.



Professor Massling has been appointed Professor in Atmospheric Science at the Department of Environmental Science, Aarhus University, as of 1. September 2023.

Investigating the role of atmospheric particles, Professor Massling takes particular interest in the field of air quality and climate change.

He holds an MSc in physics from University of Münster, Germany (1997) and a PhD in natural science (main subject: meteorology) from University of Leipzig, Germany (2002). His PhD studies were carried out at the Leibniz-Institute for Tropospheric Research in Leipzig, Germany. In his early career, Professor Massling conducted experimental aerosol research in the Atlantic, the Indian Ocean and the Pacific. In Africa and China, he did research on natural dust and urban air quality.

Professor Massling carried out postdoctoral studies at Lund University, Sweden (2004 - 2006) on aerosol deposition in the human airways. In 2007, he became senior scientist at Aarhus University. Over the past several years, his activities have concentrated on research in Greenland investigating the impact of atmospheric particles on Arctic climate. Within his recent career, he had short sabbatical stays at European universities and research institutions in Norway, Germany, and the Netherlands.

The Department would like to invite you to join inaugural lectures at 13:00 (Andreas) and 14.00 (Lise Lotte), followed by a reception in the foyer. Registration via [THIS LINK](#), no later than 24 April 2025.