







**AEROMET II** 

Welcome to a workshop on soot!

# Black Carbon (Soot) Air Pollution – Measurement, Sources, Fate, and Regulation

# AN AEROMET II EVENT, CO-HOSTED BY RISE, THE LTH PROFILE AREA AEROSOLS, AND THE DIVISION OF ERGONOMICS AND AEROSOL TECHNOLOGY

Aerosol particles are of major concern due to their strong impact on climate and health, and soot\* particles are of special concern. However, the physiochemical properties of soot vary between sources and changes during aging in the atmosphere. Additionaly, the on-going transition to rene-

## PROGRAMME

Welcome! Jenny Rissler and Stig Koust 13.00

### Session 1: Soot formation impacts on health and climate

- 13.10 Soot formation in flames, Per-Erik Bengtsson, LTH
- 13.30 Health based limit values in the working environment, Ulla Vogel, The National Research Center for Work Environment (NFA), Copenhagen
- BC and other emergent pollutants in the new EU 13.50 Ambient Air Quality Directive, Johan Genberg, Swedish **Environmental Protection Agency**
- 14.10 Black carbon as short lived climate forcer, Erik Swietlicki, LTH
- 14.30 Coffee/tea

### Session 2: Soot measurements

- 14.50 Soot measurement techniques, Axel Eriksson, LTH
- 15.05 Workplace soot measurements, Jakob Nis Klenø Nøjgaard, NFA, Copenhagen
- Date and time: 26th April 2023, 13.00-17.00

wable fuels result in soot with other properties, and thus impact on health and climate. This complicates our effort to precisely determine what BC is, how to measure it, and what to do about it. It brings about challenges to our efforts to understand and regulate soot.

\*Soot is to a large extent formed by human activities in incomplete combustion of carbonaceous fuels and commonly contains both highly absorbing graphitic-like black carbon (BC) and organic carbon, often in shades of brown.

- Urban BC monitoring, Mårten Spanne, Environment 15.25 Department, City of Malmö
- 15.45 Aethalometer laboratory intercomparison, Alexandre Bescond, Laboratoire National de Métrologie et d'Essais, Paris
- 16.05 Unified analysis of 4 recent field campaigns targeting the sensitivity of aethalometer measurements to ambient temperature and RH, Klemen Bucar, Jozef Stefan Institute, Ljubljana
- Panel discussion and closing words 16.25
- 17.00 End of seminar



Place: Ingvar Kamprad Design Centre, Sölvegatan 26, Lund, Room DC:304

Register on 18th April at the latest, by sending an e-mail to lena.leveen@certec.lth.se, with info about any food allergies.

Most welcome!

