



Institute for Atmospheric and Earth System Research



Leibniz Institute for
Tropospheric Research



Announcement

15th School on Atmospheric Aerosol Physics, Measurement, and Sampling

Hyytiälä, Finland, May 17-24, 2019

This summer school is *advanced* course to deeper train aspects for atmospheric aerosol measurements: Physical, mechanical, and electrical properties, sampling losses, particle filters, impactors, mobility and aerodynamic size spectrometers, particle counters, integrating nephelometer, absorption photometers, online mass measurements, aerosol mass spectrometer, artefact-free sampling, and aerosol dryers.

Main lecturers:

Prof. Dr. Alfred Wiedensohler, Leibniz Institute for Tropospheric Research, Leipzig, Germany; GAW-World Calibration Centre for Aerosol Physics (WCCAP); European Center for Aerosol Calibration (ECAC)

Dr. Jean-Philippe Putaud, Joint Research Centre, Ispra, Italy

Docent Juha Kangasluoma, University of Helsinki, Institute for Atmospheric and Earth System Research

Dr. Evelyn Freney, Laboratoire de Météorologie Physique, CNRS, Clermont Ferrand, France

Prof. Dr. Griša Močnik, Jozef Stefan Institute, Ljubljana, Slovenia

Target Group:

This summer school is mainly intended for doctoral students, young scientist, and personnel from aerosol measuring stations and research institutes, involved in ACTRIS, CRAICC, GAW, GUAN, and EMEP, but also from national metrology institutions involved in EMPIR projects. The lectures will be given and discussed interactively in English. Good English in understanding and speaking as well as basic aerosol knowledge is required. Doctoral student will obtain **5 ECTS** after a successful participation.

Co-Funding:

The summer school is organized within the frame of the European research infrastructure ACTRIS as well as the GAW-WCCAP, iLEAPS, PEEEX, the National ATM-DP Doctoral Program, the Nordic Graduate School "Biosphere-Carbon-Aerosol-Cloud-Climate Interactions" (CBACCI), Nordic Master's Degree Program "Atmosphere-Biosphere-Studies" (ABS), and "The Centre of Excellence in Atmospheric Science - From Molecular and Biological Processes to the Global Climate".

Participation Costs:

The **course fee is 900 €** and includes full boarding (breakfast, lunch, afternoon coffee, dinner, and evening meal), accommodation in two person bedrooms and the transfers between Helsinki and Hyytiälä. The fee is covered by ATM-DP for doctoral students and staff members from Nordic and Baltic countries (Denmark, Estonia, Finland, Iceland, Latvia, Lithuania, Norway, Sweden), who pay only direct running costs for accommodation and meals.

Poster:

As a pre-assignment, the participants should prepare a poster (A0 or A1) about their current or future research work/studies. The posters will be presented during the course.

Application:

The applications for the course should be done electronically using the following link:

<https://elomake.helsinki.fi/lomakkeet/94500/lomake.html>

For further information on the course contents, travel and accommodation, please contact: katrianne.lehtipalo@helsinki.fi and juha.kangasluoma@helsinki.fi

Deadline for applications: March 30, 2019