



COST Action CA16109 COLOSSAL

“Chemical On-Line cOmpoSition and Source Apportionment of fine aerosoL”

Training School on ToF-ACSM

12-14 February 2018, Prague

**Institute of Chemical Process Fundamentals AS CR
Rozvojova 135, 16502 Praha 6 – Suchbát, Czech Republic**

Call for trainees

Objectives

This Training School aims to provide intensive training in the data acquisition and data treatment when using the Time of Flight Aerosol Chemical Speciation Monitor (ToF-ACSM) to measure chemical composition of fine atmospheric aerosols.

Topic of this Training School

The “Training School on ToF-ACSM” will mainly focus on the advanced data treatment of ToF-ACSM measurements.

The Training School is addressed to ToF-ACSM users or future users with basic knowledge about the techniques.

During the course, the trainees will learn data validation procedures and data handling to accurately estimate the concentrations of submicron non-refractory chemical species from ToF-ACSM measurements. After a brief introduction and reminding on the instrument operation and settings, trainers will mainly teach on the use of the latest version of the analysis software. Time slots will also be dedicated to the investigation of individual datasets brought by participants. To be noted that source apportionment of organic aerosols will be the subject of the subsequent training session (15-17 February 2018), and hence not included in this Training School.

Training sessions

The Training School will last 3 full days (12, 13, 14 February 2018).

Main trainers are expected to be Leah Williams (Aerodyne Res. Inc.) and Mike Cubison (Tofwerk).

A detailed program will be provided later. The foreseen training sessions are:

- Measurement principles of ToF-ACSM
- ToF-ACSM settings and tuning
- Data acquisition
- Data processing using the the latest version of the analysis software (that will be distributed during the session)
- Export and preparation of the organic/error matrices for source apportionment purposes

Each participant should prepare a 7-8 min presentation on their work and interests in chemical composition of fine atmospheric aerosols.

Number of grants

A total of 10 grants are offered.

Financial support

The financial support on offer is a grant and therefore is a fixed financial contribution that may not necessarily cover all of the expenses incurred during the participation in the Training School.

It will be determined by the Training School Committee when approving the grant and will range between **EUR 500** and **EUR 750**, based on distance/travel costs estimation.

Lunch and coffee will be provided by the local organizer.

The trainees should arrange their travel and accommodation.

If an applicant applies for the two consecutive Training Schools (12-14 Feb 2018 and 15-17 Feb 2018), the total grant will be calculated accordingly.

Eligibility criteria and selection of applicants

Grant applicants should live in a COST country participating in CA16109 COLOSSAL
http://www.cost.eu/COST_Actions/ca/CA16109?parties.

The evaluation of applications and the selection of participants will be performed by the Training School Committee: Chair (María Cruz Minguillón), Vice-chair (André Prévôt), Scientific organizers (Olivier Favez, David Green), Gender Balance Coordinator (Luminita Marmureanu), and ECI Coordinator (Axel Eriksson), following the guidelines stated in the COST Vademecum.

The Training School can also be attended by a limited number of participants on their own funds, after approval from the Training School Committee.

Applications

- Deadline for applications: 3 January 2018 (you are encouraged to send it earlier)

Interested researchers should:

- Carefully read the funding rules detailed in Section 5 of the COST Vademecum
- Register for an e-COST profile at <https://e-services.cost.eu/>
- Send the following documents:
 - Application form named “Training School_20180212_Prague_Application_LastName”
 - CV (max 2 pages) named “Training School_20180212_Prague_CV_LastName”

to:

- Training School Scientific Organizers (Olivier Favez, David Green, olivier.favez@ineris.fr, david.c.green@kcl.ac.uk)
- Action Chair (María Cruz Minguillón, mariacruz.minguillon@idaea.csic.es)
- Action Vice-Chair (André Prévôt, andre.prevot@psi.ch)

using email subject: Training School 20180212 Application.

You need to send your application email from the email address you use for your e-COST profile.

If you are not participant in the Action yet, please send also the Excel file “COLOSSAL Participants details_LastName.xlsx” with your details and renamed accordingly.

The applicants should indicate in their application if they are also applying to the subsequent Training School scheduled for 15-17 Feb 2018. If this is the case, note that a separate application for this other Training School is required.

Outcome

- Outcomes: 10 January 2018

The grantees will be informed by Grant Holder by email via e-COST.

During the Training School

The Grantee must sign the attendance list every day. Failing to do so will result in a reduction of the grant amount.