

Ny-Ålesund Atmosphere Flagship open workshop 7-8 November 2019 in Oslo, Norway



Photo from PSI.

The Ny-Ålesund Atmosphere Flagship will arrange a Black Carbon (BC) workshop on 7 – 8 November 2019 at CICERO in Oslo. The workshop is timed to occur immediately after the Svalbard Science Conference that is also taking place in Oslo on 5 – 6 November.

The workshop will focus on:

- Existing and planned long term and short term eBC, rBC, and EC observations in Ny-Ålesund and across the Arctic
- Modelling approaches to describe atmospheric ageing, transport, and radiative forcing of Arctic BC
- Optimization of integrated modelling and observational approaches to improve understanding of BC climate and air quality impacts

The tentative plan is as follows: Thursday morning will be dedicated to the presentation of existing and planned BC measurements in Ny-Ålesund and across the Arctic, including long-term measurements, special campaigns and airborne observations; early Thursday afternoon will be for presentation of different approaches used to model BC in the Arctic. In the late afternoon the group will be broken into subgroups of ‘observers’ and ‘modellers’. Each subgroup will be given the task to identify key questions they would have for the other subgroup in relation to important BC-related research topics (e.g. BC source identification, transport and removal, radiative forcing, cloud interaction, BrC absorption, ...) . On Friday morning the group will meet as a whole again to discuss the results of the previous afternoon’s breakout session, with the goal of developing combined observation-modelling approaches for tackling major BC-related research challenges, including those specific to the MOSAiC drift period.

	Thursday 8 Nov	Friday 9. Nov
Morning	Presentation of eBC, EC, and rBC observations: limitations and uncertainties, spatial and vertical coverage, significance for the MOSAiC experiment.	Discussion session on the results of the break-out session meetings and main research topics identified during the first day

Early afternoon	Presentation of modelling approaches to support a better understanding of Arctic BC (chemistry, transport, radiative forcing, 1D, 3D).	
Late afternoon	Break-out sessions for groups of 'observers' and 'modellers'	
Evening	Workshop dinner	

Registration

The registration for the workshop will be available at the workshop webpage with the second circular by end of September 2019.

Support

The meeting is free of charge and include coffee breaks and lunches.

Venue

CICERO Center for International Climate Research, Oslo, Norway ([see map](#)).

Hotel

The participants need to reserve rooms themselves.

Workshop webpage: To be added

Atmosphere Flagship webpage: <http://nysmac.npolar.no/research/flagships/atmosphere.html>

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