



Training School on Black and Brown Carbon

3 Apr 2024, online

28 and 29 May, in person

University of Nova Gorica, Slovenia

Schedule

Objectives

The Training School aims to provide intensive training in emerging research topics on the light-absorbing aerosols, especially black and brown carbon which form the refractory part of fine aerosols within the laboratories and organizations involved in the project and wider for the whole community.

Topic of this Training School

The “Training School on black and brown carbon” will focus on the measurement principles for Black (BC) and Brown Carbon (BrC); filter-photometer instruments for the measurements; reference methods and calibrations; maintenance of Aethalometers AE33; quality control checks for data; synergies with complementary measurements; BC and CM source apportionment methods and their validation. Participants will be given practical problems to solve after the formal end of the lectures.

Schedule

Wednesday, 3 Apr 2024	Join Zoom Meeting https://ungsi.zoom.us/j/64905066929?pwd=V1VwWEdFa0Qyb2gzY2tkWitocWl5dz09 Meeting ID: 649 0506 6929 Passcode: 565343
09:00	Practicalities
09:15	Black and Brown Carbon – local, regional and global relevance with examples (G. Močnik)
10:45	Measurement of light absorption coefficient – reference methods, standardization and calibration (L. Drinovec)
11:45	Lunch
13:00	Aethalometer and Total Carbon Analyzer (K. Kunstelj)
14:30	Carbonaceous Aerosol Specification Using an Advanced TC-BC(λ) Method (M. Ivančič)
16:00	End of the day

Tuesday, 28 May 2024	Aerosol d.o.o. Kamniška 39A SI-1000 Ljubljana Slovenia
09:00	Test and procedures for AE33 and TCA08 Data analysis AE33 in TCA08 CAAT - data analysis software
13:00	End of the day
	Lunch on your own
Afternoon	Homework on your own data

Wednesday, 29 May 2024	Visit to the stations
09:00	Departure from Ljubljana
10:30	Visit to the station, Nova Gorica
11:30	Visit to the Kanal ob Soči and beautiful views of the cement plant
13:00	Lunch on your own in Nova Gorica
14:30	Discussion of source and oxidative potential apportionment, UNG
17:00	End of the day