



## **COST Action CA16109 COLOSSAL**

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

### **Training School on Black and Brown Carbon**

**15-17 January 2018, Ljubljana**

**Jožef Stefan Institute  
Jamova 39, Ljubljana, Slovenia**

## **Schedule**

### **Objectives**

COST Training Schools aim to provide intensive training in emerging research topics on the refractory part of fine aerosols within the laboratories and organizations involved in the Action.

### **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); Aethalometer instruments employing these principles; maintenance of Aethalometers AE33; quality control checks for data; synergies with complementary measurements; BC source apportionment methods and their validation.

### **During the Training School**

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

## Schedule

<b>Monday, 15 Jan 2018</b>	
09:00	Practicalities
09:15	Black and Brown Carbon – local, regional and global relevance with examples (G. Močnik)
10:30	Visit to IJS laboratories
11:30	Lunch
13:00	Black and Brown Carbon – local, regional and global relevance with examples – cont. (G. Močnik)
13:30	Ambient measurements of urban BC emission factors (A. Gregorič)
14:30	Electron microscopy of nano-particles (G. Dražič)
15:30	Measurement of nanosized PM using SMPS: theory of operation and experiences from recent campaigns (M. Davidović)
16:00	Participants' presentations (7 min each)
17:00	End of the day
<b>Tuesday, 16 Jan</b>	
09:00	Measuring BC and BrC with Aethalometers, non-linearities and information there-in (L. Drinovec)
10:30	Visit to Aerosol d.o.o., where Aethalometers are made
13:00	Lunch
13:30	On-road measurements of real-world BC emission factors and their use in models (I. Ježek)
14:30	Aethalometer AE33 training and quality control/assurance – basics (L. Drinovec)
17:00	End of the day
<b>Wednesday, 17 Jan</b>	
09:00	Black Carbon source apportionment (P. Zotter)
10:30	Aethalometer AE33 training and quality control/assurance – hands-on training (F. Bastardi)
13:00	Lunch
14:00	Aethalometer AE33 training and quality control/assurance – hands-on training – cont. (F. Bastardi)
16:00	Participants' presentations (7 min each)
17:00	End of the day