

WP6- NA6: WP “Integration, outreach, and sustainability”
Deliverable D6.6: Comprehensive training course on techniques, outreach and integration to improve running a network-1, Month 13

8th Summer School on Atmospheric Aerosol Physics, Measurement, and Sampling

May 5 – 11, 2012

Hyytiälä, Finland

Measurements of atmospheric aerosols at the SMEAR II (Station for Measuring Forest Ecosystem - Atmosphere Relations) include particle size and composition measurements as well as horizontal and vertical aerosol distribution profiles. During the course the participants learned the techniques of these measurements, and got familiarized with the measurements on-site.

The course was aimed at PhD students and young scientists in the field of experimental atmospheric research. The course gave a good overview of the state of the art of the experimental devices. The course was based on lectures together with intensive group work. The topics covered were:

- Introduction to SMEAR II station
- Physical, mechanical, and electrical properties of aerosols
- Sampling
- Particle filters and impactors
- Mobility and aerodynamic size spectrometers
- Particle counters
- Integrating nephelometer
- Absorption photometers
- Online mass measurements
- Aerosol mass spectrometer

The venue of the course was the Hyytiälä Forestry Field Station in Southern Finland, and the event was coordinated by University of Helsinki. After the course, the student groups wrote a scientific report based on results from analysis. The course was worth of 3 ECTS credits.

Course leader:

- Prof. Kaarle Hämeri (University of Helsinki)
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Other professors and senior scientists:

- Prof. Alfred Wiedensohler (Leibniz Institute for Tropospheric Research, Leipzig, Germany and GAW-World Calibration Centre for Aerosol Physics (WCCAP))
- Dr. Jean-Philippe Putaud (Joint Research Centre, Ispra, Italy)
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General assistant:

- Mr. Alessandro Franchin (University of Helsinki)
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Students:

1. María Isabel García-Álvarez	Spain
2. Susanne Bastian	Germany
3. Zsuzsanna Bécsi	Hungary
4. Andreea Boscornea	Romania
5. Ahmed Shehata Abd El-Maksoud	Saudi Arabia
6. Daniel Futterer	Germany
7. Lara Giulianelli	Italy
8. Stefan Gonser	Germany
9. Juan Hong	Finland
10. Silja Häkkinen	Finland
11. Karoliina Ignatius	Finland
12. Irena Jezek	Slovenia
13. Simonas Kecorius	Lithuania
14. Kimmo Korhonen	Finland
15. Sahee LIM	France
16. Hassan Lyamani	Spain
17. Mohammed Abdullah Al Otibi	Saudi Arabia
18. Pallavi Pant	UK
19. Ines Pap	Serbia
20. Xiangyu Pei	Finland
21. Jean-Eudes Petit	France
22. Aranzazu Revuelta	Spain
23. Guillaume Salque-Moreton	France
24. Giulia Saponaro	Finland
25. Stephanie Schüttauf	Germany
26. Lenka Skrabalova	Czech
27. Samantha Thompson	USA
28. Gloria Titos	Spain
29. Ádám Tóth	Hungary
30. Ville Vakkari	Finland
31. Kenia Wiedemann	Brazil