

WP6: Integration, outreach, and sustainability

Deliverable D6.13: Comprehensive training course on techniques, outreach and integration to improve running a network-3

The training course was aimed at PhD students and young scientists in the field of experimental atmospheric research. The emphasis was on introducing novel techniques, including in situ measurements, radars, lidars and satellite instrumentation, and comparing and integrating the results from different approaches using advanced statistical analysis methods. The work done during the training course was organized in small projects, each done in a group of course participants. There were a total of three groups, combining the topics of ACTRIS WPs 2-6 (Group 1: WP2&4; group 2: WP3&5; group 3: WP6). The specific task of group 3 was to integrate the results of the other groups.

The course included three group presentation sessions where each group presented their plans and results. In the end of the course, each group was given the task of writing a scientific report about their results.

The course was given at the Hyytiälä Forestry Field Station in Southern Finland between March 11 and 22, 2013. The course was coordinated by University of Helsinki.

The lectures covered the following topics:

- Statistical analysis tutorial
- Introduction to ACTRIS & the course
- Clouds & radars
- Lidars
- Biosphere
- Reactive trace gases
- Aerosols
- Academic writing
- Science philosophy
- Philosophy of learning

Course leader:

- Prof. Markku Kulmala (University of Helsinki)

Other professors and senior scientists:

- Dr. Jaana Bäck (University of Helsinki)
- Dr. Ann Mari Fjæraa (Norwegian Institute for Air Research)
- Prof. (emer.) Pertti Hari (University of Helsinki)
- Dr. Antti Lauri (University of Helsinki)
- Asst. Prof. Dmitri Moisseev (University of Helsinki)
- Dr. Ewan O'Connor (University of Reading)
- Dr. Tuukka Petäjä (University of Helsinki)
- Dr. Katrianne Lehtipalo (University of Helsinki / Airmodus Ltd)
- Dr. Arnaud Praplan (University of Helsinki)
- Dr. Matthias Vogt (University of Helsinki)
- Dr. Henri Vuollekoski (University of Helsinki)
- Dr. Jesús Fernández (University of Granada)

- Dr. Francisco Navas Guzmán (University of Granada)

Students:

- Mr. Pavel Alekseychik Finland
- Ms. Ksenia Atlaskina Finland
- Mr. Damyan Barantiev Bulgaria
- Ms. Xuemeng Chen Finland
- Ms. Ana Filipa Domingues Portugal
- Mr. Vadimas Dudoitis Lithuania
- Ms. Ágnes Filep Hungary
- Ms. María José Granados Muñoz Spain
- Ms. Juan Hong Finland
- Ms. Christine S. Jensen Denmark
- Mr. Heikki Junninen Finland
- Ms. Maija Kajos Finland
- Mr. Antti-Jussi Kieloaho Finland
- Ms. Jenni Kontkanen Finland
- Ms. Susanna Lautaportti Finland
- Mr. Li Liao Finland
- Mr. Wei Nie China
- Mr. Tuomo Nieminen Finland
- Ms. Anna Nikandrova Finland
- Mr. Mikhail Paramonov Finland
- Ms. Laura Rojas Finland
- Mr. Simon Schallhart Finland
- Mr. Ladislav Sigut Czech Republic
- Ms. Parul Srivastava India
- Ms. Mei-Kuei Tu Finland
- Ms. Nóemi Utry Hungary
- Ms. Taina Yli-Juuti Finland
- Ms. Ekaterina Zhdanova Russia
- Mr. Derong Zhou China