



Workshop | Program

In-situ aerosol particle flux measurements – post-processing and analysis

Wednesday 3 May 2017

- 12:00 Bus leaves from Helsinki City center
- 13:00-16:00 Bus transport from Helsinki-Vantaa airport to Hyttiälä
- 16:30-17:15 Dinner
- 17:15-17:25 Leena Järvi (Univ. Helsinki): *Welcome + Introduction to the workshop and ACTRIS-2*
- 17:25-17:50 Joonas Enroth (Univ. Helsinki): *Influence of CPC response time (20+5 min)*
- 17:50-18:15 Monica Mårtensson (Univ. Stockholm): *Size resolved marine aerosol emissions at Svalbard during different meteorological conditions (20+5 min)*
- 18:15-19:30 Aim and structure of the particle flux protocol
 - Protocol content – *Measurement system*
- 20:00- Sauna + Evening snack

Thursday 4 May 2017

- 07:00-08:30 Breakfast
- 08:30-09:30 Protocol content – *Measurement system*
- 09:30-09:55 Eiko Nemitz (NERC Centre for Ecology and Hydrology): *Biases and artefacts in the processing of particle fluxes: the role of times lags and particle growth (20+5 min)*
- 09:55-10:20 Leena Järvi (Univ. Helsinki): *Results of software comparison (20+5 min)*
- 10:20-11:30 Protocol content – *Flux data processing (post-processing tools, time lags, particle growth)*
- 11:30-12:15 Lunch
- 12:15-12:40 Üllar Rannik (Univ. Helsinki): *Uncertainties in particle flux measurements in Hyttiälä (20+5 min)*
- 12:40-13:05 Douglas Nilsson (Univ. Stockholm): *What we learn about sea spray emissions from long-term aerosol eddy covariance flux measurements at Östergarnsholm, Baltic Sea (20+5 min)*
- 13:05-14:00 Protocol content – *Particle flux uncertainty*
 - Possibility to visit the SMEAR III station
- 14:00-14:30 Coffee break
- 14:30-14:55 Anders Held (Univ. Bayreuth): *How spectral analysis can contribute to particle flux processing and data quality evaluation: a few examples (20+5 min)*

14:55-16:30 Protocol content – *Flux data processing continues (spectral analysis, other corrections such as water vapor correction etc.)*

16:30-17:15 Dinner

17:15-19:30 Protocol content – *Flux data processing continues (spectral analysis, other corrections such as water vapor correction etc.)*

20:00- Sauna + evening snack at kota

Friday 5 May 2017

07:00-08:30 Breakfast

08:30-11:15 Protocol content – *Wrap-up, next steps*

11:15-12:00 Lunch

12:00-15:00 Bus transport from Hyytiälä to Helsinki-Vantaa airport and Helsinki city center (if needed)

Participant list

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