

Announcement of a new course at the University of Helsinki 530230 Mesoscale Atmospheric Network

Instructors: Prof. David Schultz and Prof. Markku Kulmala

Time and Location: 12–16 February 2007, 0900–1700, Room B418

Language: English

Description:

This course will provide an introduction to the Helsinki Testbed, a unique collection of mesoscale observing systems in the Helsinki area. Lectures will describe the Helsinki Testbed in the context of other mesoscale observing networks, how the data is collected and quality controlled, how the data is used, and other potential applications of Testbed data. Students will be required to participate in group projects that use the data to explore their own interests. Group projects will be written up in a final report, and the groups will present their research results in a conference-style seminar, both occurring approximately a month after the lectures end.

Syllabus:

- 1) Overview of Helsinki Testbed in the context of mesoscale observing networks
- 2) Introduction to the instrumentation and quality control
- 3) Methodologies for scientific exploration of Testbed data: data assimilation for analysis, numerical weather prediction, synoptic analysis, data mining, synoptic climatologies, etc.
- 4) Applications of Testbed data to other disciplines: road weather, air quality, climate, warning systems for hazardous weather, etc.

Please indicate your desire to attend this course by emailing Prof. David Schultz at [David.Schultz\(at\)fmi.fi](mailto:David.Schultz(at)fmi.fi) with your name, email address, and the university where you would like to receive credit. Deadline is 31 January 2007.

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NetFAM may support participants from NetFAM teams attending this course.