

Program for GABLS workshop in Stockholm, Sweden 19-21 June 2007

at Department of Meteorology, Stockholm University (MISU), Arrhenius Laboratory
Svante Arrhenius väg 12, Frescati Campus

Tuesday June 19

09:15 – 09:45 Welcome and presentation of the workshop
09:45 – 10:15 Coffee
10:15 – 12:00 Session 1
12:00 – 13:30 Lunch at Naturhistoriska Riksmuseet
13:30 – 15:30 Session 1 cont.
15:30 – 16:00 Coffee
16:00 – 17:30 Session 2

Wednesday June 20

09:00 – 10:00 Session 2 cont.
10:00 – 10:30 Coffee
10:30 – 11:30 Session 2 cont.
11:30 – 12:00 Session 3
12:00 – 13:30 Lunch at Naturhistoriska Riksmuseet
13:30 – 15:00 Session 3 cont.
15:00 – 15:30 Coffee
15:30 – 17:30 Group discussions
19:00 – Workshop dinner in Old Town
STORTORGSKÄLLAREN Stortorget 7, Gamla stan

Thursday June 21

09:00 – 11:00 Presentations from the group discussions
11:00 – 11:45 General discussion
11:45 – 12:00 Concluding remarks

Please note that all talks are maximum 15 minutes long if not otherwise specified in the program, to allow ample time for discussion.

Presentations in Session 1

"Recent operational model changes at the Met Office", Adrian Lock, MetOffice, UK (25 min)

"Updates to ECMWF turbulent transport parameterizations with mass-flux and diffusion frameworks", Martin Koehler, ECMWF, UK (25 min)

"Hirlam developments in turbulence", Sander Tijm, KNMI, the Netherlands (25 min)

"Collapse of Stable Boundary layers", Bas van de Wiel, Wageningen University, the Netherlands

"Exploring the possible role of small-scale gravity wave drag on stable boundary layers over land", Gert-Jan Steeneveld, Wageningen University, the Netherlands

"Marine atmospheric boundary layer over the North Sea; observations and modelling", Kay Suselj, University of Oldenburg, Germany

"Climatology of Low-Level Jets at the Cabauw Measurement Site", Peter Baas, KNMI, the Netherlands.

"The significance of boundary layer mixing for the representation and especially the evaluation of atmospheric chemistry processes." Laurens Ganzeveld, Wageningen University, the Netherlands

Presentations in Session 2

"GABLS second experiment – recent analysis and new questions" Gunilla Svensson, Department of Meteorology, Stockholm University, Sweden (25 min)

"Gabl's second experiment with a model coupled to land surface", Bert Holtslag, Wageningen University, the Netherlands (25 min)

"Findings from simulating GABLS second experiment with LES", Vijayant Kumar, Department of Geography and Environmental Engineering and Center for Environmental and Applied Fluid Mechanics, Johns Hopkins University, Baltimore, Maryland, USA. (25 min)

"Evaluation of Limited Area Models for the Representation of the Diurnal Cycle and Contrasting Nights in CASES-99", Gert-Jan Steeneveld, Wageningen University, the Netherlands

"Gabl's second intercomparison experiment: experiences with the COSMO single column model", Matteo Buzzi, Federal Office of Meteorology and Climatology MeteoSwiss, Switzerland

"Implementation of the quasi-normal scale elimination (QNSE) theory of turbulence in HIRLAM and WRF, application to GABLS2" Venjamin Perov, SMHI, Sweden.

Presentations in Session 3

"New LES intercomparison case", Sukanta Basu, Texas Tech University, US (25 min)

"Simple but realistic cases from Cabauw for GABLS", Fred Bosveld, KNMI, the Netherlands, (25 min)

"Comparative analysis of measurements and NWP model results for Lindenberg with respect to the GABLS objectives", Frank Beyrich Meteorologisches Observatorium Lindenberg Richard-Aßmann-Observatorium Deutscher Wetterdienst, Germany (25 min)

"Realistic constraints for model intercomparisons – ARCMIP", Michael Tjernström, Department of meteorology, Stockholm University, Sweden

Participants without presentations:

Jonathan Pleim, Atmospheric Science Modeling Division/NOAA NERL/USEPA, US

Mr. Adeosun O. Tosin the CEO Lagola Intergration (NGO).

Dr. Awe Ben Adebajo, Dunamis Dunatos Institute, Nigeria

Eric Bazile, Meteo-France, Toulouse, France

Bjorn Stevens, UCLA, USA

Sylvie Malardel, Centre National de Recherche Météorologique GMME/Méso-NH Toulouse France

Thorsten Mauritsen, Department of Meteorology, Stockholm University

Johannes Karlsson, Department of Meteorology, Stockholm University

Joe Sedlar, Department of Meteorology, Stockholm University

Mikaela Sundberg, Department of Sociology, Stockholm University