

HIRLAM mini-workshop on convection and clouds

Tartu, Estonia, 24-26.1.2004

A HIRLAM-ALADIN mini-workshop on convection and cloud processes will be arranged in January 24-26, 2004 in Tartu, Estonia. The aim of the workshop is to join HIRLAM and ALADIN-MF people working in the area of convection and cloud processes to review the state of art, discuss the strategy, tasks and plans in the way towards explicit convection and microphysics in fine scale HIRLAM/ALADIN, interactions with the nonhydrostatic dynamics. Guest from groups using and developing the UKMO and other models are very welcome to participate in the workshop.

Short presentations by the participants, a lot of work in groups + general discussions will hopefully lead to an output in the the form of plans and guidelines.

A HIRLAM person responsible for the workshop arrangements is Laura Rontu, FMI, laura.rontu@fmi.fi, to whom all questions and suggestions concerning the workshop programme can be addressed. The local organiser in Tartu is Marko Kaasik, University of Tartu, mkaasik@physic.ut.ee, who will answer all practical questions concerning the local arrangements, connections to Tartu etc.

Contents:

The following topics related to the present state of the convection and cloud parametrizations and the future resolved convection and explicit microphysics formulations are suggested for discussion:

- Interactions between shallow convection and moist turbulence
- Parametrized and explicit deep convection
- Development of explicit microphysics for fine scale models
- Validation methods for convection, clouds and precipitation
- Case studies with hydrostatic and nonhydrostatic models

Practical arrangements

The workshop will be arranged in Tartu University, Building of Physics, Tähe St. 4. A block reservation in Hotel Tartu, Soola St. 3, has been made. The price for a single room per night is 45 euros. Local organiser of the workshop is Marko Kaasik, mkaasik@physic.ut.ee.

There are bus connections to Tartu from Tallinn, St.Petersburg, Vilnius, Riga, ferry connections from Helsinki and Stockholm to Tallinn and airplane connections from several cities to Tallinn. The bus trip from Tallinn to Tartu takes less than two hours. Nationals of the EU or the EEA member states, or Switzerland do not require visas to enter Estonia.

Participation and presentations

We kindly ask you now, till November 30, 2004 to confirm your participation and hotel reservation plus send a suggested title of your short presentation (15 – 30 min) by e-mail to laura.rontu@fmi.fi with a copy to mkaasik@physic.ut.ee. Please do not hesitate to ask any question related to the programme or arrangements of the workshop.