

# Plenary session 3:

## Performance aspects and model physics

Chairs Neva Pristov and Laura Rontu

### → Presentations:

- **ARPEGE physics overview – Eric Bazile**
- **AROME-France overview – Yann Seity**
- **HIRLAM physics overview – Sander Tijm**
- **SLHD and microphysics interactions – Lisa Bengtsson**
- **Model comparison on atmospheric icing – Ulf Andrae**
- **ALADIN forecasting tropical cyclones /- Ghislan Faure**
- **Snow and ice in HIRLAM – Laura Rontu**
- **Lake data base – Ekaterina Kurzeneva**
- **Testing verification methods – Jose Antonio Garcia-Moya**

## Related posters:

- Ivan Bastak et al.: Synthesis of new findings in turbulence
  - Rafik Hamdi: CANOPY in Cabauw
  - Adomas Mazeikis et al: ENVIRO-HIRLAM in Vilnius
  - Kai Sattler: Shadows on Danish roads
- + case studies

## Questions touched in discussion

- Verification
- Surface forcing of the atmospheric processes
- General questions for the future

# General questions

Kilometre-scale models: deterministic and/or probabilistic?

Three challenges of NWP physics: surface interactions, microphysics, physics-dynamics coupling?

Spectral, semi-Lagrangian and orography in very high resolution?

# Towards Brac 17-20 May 2010!

