

Report from the HMG/CSSI

Data assimilation

Sofia « common Wednesday »

Past common actions

- Budapest workshop, November 2005
- Radar reflectivity assimilation: Günther Haase, Marian Jurašek, Eric Wattrelot, GMME-team (Véronique Ducrocq, Eric Caumont), September 2005, September/October 2006

Present/near future

- 3D-VAR/ODB training, Budapest, June 6-10 2006, Hirlam participants (~8) + Aladin participants (~4-6)
- Observation operator inter-comparison: *hard* schedule for [Sept-Dec 2006], loop with ECMWF, specific workshop in 2007 ??
- Assimilation of cloudy radiances: Hirlam contacts GMAP (F. Rabier, N. Fourrié) and ECMWF
- Discussions on simplified physics, first for synoptic scale and existing packages, early September, Reading (« Polar simplified physics »): Hirlam, GMAP and ECMWF staff
- Discussion on the strategy for mesoscale D.A.: Friday after EWGLAM, Zürich
- Balance operators
- Wavelet structure functions
- Pure Aladin action: coding the TL/AD SL

Surface assimilation/ Surfex

- Set a working group to produce a common position paper: GH, FBs, EM, SG, ST, PT, MT, JFG, LK
- First 2 separate papers:
 - How to trigger convergence ?
 - Set scient. And techn. Rules and constraints for coupling btw the surface and the atm. Vertical diffusion
 - Identify possible conflicts between A&H
- Follow-on discussions at a surface dedicated workshop ?

General comments

- Promote more voluntarily actual common work
- New items for collaboration: radial radar wind assimilation, QC for near-surface measurements