Session 5 Probabilistic forecasting and LAM EPS.

Chairs: Yong Wang, Trond Iversen, Andras Horanyi

Roel Stappers: Adjoint methods in HIRLAM

HIRLAM SVs: TE and CAPE inner product

Sibbo van der Veen: Experiments with perturbed HIRLAM analyses based on singular vectors

Gaussian sampling of HIRLAM SVs producing 11 member HIRLAM EPS

Christoph Wittman: The Beijing 2008 FDP/RDP project (LAM EPS Olympic Games 2008)

Set-up of Austrian LAEF system: 0-6h nowcasting, 6-36h meso eps. Blending EC-EPS and breeding. Test and Learning period. Weather alarms, sport-specific forecasts.

Trygve Aspelien: Operational LAM EPS at Met.no

New NORLAMEPS based on updates of TEPS-Norway and HIRLAM 12 (7.1.4).

Inger Lise Frogner: Recent developments in TEPS for Europe

New EuroTEPS designed for further input to HIRLAM and ALADIN. 12h frequency, new modelcycle. So far a summer period.

Andras Horanyi (Edit Hagel): LAM EPS activities at HMS
Downscaling of PEARP, 10+1 members. ALADIN SVs.
Jose Antonio Garcia-Moya : First results of GLAMEPS using the SLAF technique
HIRLAM (??) 10+1-member SLAF based on 72h forecasts. Lagging frequency 12h, up to 60h. Scaled to 48h forecast errors. Stochastic physics.
Henrik Feddersen : Physics perturbations in HIRLAM EPS
Stochastic physics in HIRLAM Straco and RKKF, combined with EC EPS downscaling.
Yong Wang : on-going research and development on LAEF
Blending global SVs (EC?) with LAEF breeding. Different approach for upper air and surface variables. Multi-physics design, 16 options.
Trond Iversen : Status of GLAMEPS
Approaching finalizing whole production chain from EuroTEPS to Products. Challenge: Computer resources at ECMWF and "at home"; speed of data transfer.
Alexander Kann: On the potential added value of calibrating LAM-EPS
Calibration is inevitable! 1st and 2nd order moment ensemble calibration. Calib. LAEF.
Frans Alkemade : Operational BMA calibration of PEPS ensemble BMA produces better consensus than regular ensemble mean.