Minutes TP Ensemble Meeting at DWD, 3.4.2012

Present: Christoph Schraff, Hendrik Reich, DWD DA; Andreas Röpnack, Zied Boulleague, DWD ENS; Christian Kühnlein, Christian Keil, LMU

Presentation of status and plans:

DWD DA:

- KENDA implemented in NUMEX, currently reproduction of 7/8 Aug 2007
- In progress: GME ensemble (60km), interpolate ensemble perturbations atop COSMO-DE
- In preparation: netCDF feedback files for forecasts, too, in observation space including e.g. quality flags, data usage
- Radar DA works technically, at the moment stalled

DWD ENS:

- 20 member COSMO-DE-EPS becomes operational end of May 2012
- Tests with 40 member ensemble with additional members stemming from COSMO-LEPS BC
- Planned: exploit LAF strategy, therefore extension of forecast range to 24 h

LMU:

- Flow dependent forecast quality of summertime convection almost completed, shall the analysis be extended on other fields (u10m, T2m)? probably not so fruitful, since much smaller variability expected as for precipitation, verification using pacprove done operationally at DWD, Zied will provide standard verification analysis for summer 2011
- Examination of structure of present COSMO-DE-EPS IC perturbation found interesting and recommended
  - wind, temperature and humidity represent key variables, since observations are available for validation
  - at pressure levels 925, 850, 700 and 500 hPa
- will provide basis for the examination of KENDA IC
- Experiments of COSMO-DE-EPS with KENDA IC for both HErZ cases envisaged, using the 4 BCEPS, possibly in NUMEX, technical advice of Hendrik, Andreas?