

## DA

- overview of the objectives & new candidates for running DA
- finalizing the scientific plan, merge with HIRLAM
- code convergence
- technical points (ODB...)

overview of the objectives & new candidates for running DA

**FR:** ALADIN 3DVAR, using extra obs with resp. to ARPEGE, 10km resolution, 3DFGAT, gradually transpose to AROME; interests to run simple 4DVAR (SL TL/AD, radar data) for research; more people available, no distinction between AROME and ALADIN program (contrary to HIRLAM with hybrid system: synoptic=HIRVAR 4DVAR multi-incremental and nowcasting=Varpack/Aladin)

**HU:** obs as much as possible, follow modifs @ Tls (ensemble Jb, varpack, 3DFGAT); manpower pbs

**MOR:** 3DVAR over the African domain (large) using ATOVS AMSU-A (because of large void areas in continental data), otherwise follow Tls, will use BLENDVAR, staff pbs

comments:

- more people needed to be involved => more difficult for work coordination
- HIRLAM will perform some work directly in ALADIN framework (wavelets, radar, MSG, mesoscale nowcasting, cloudy radiances, obs handling & ODB) while still improving synoptic scale assim (4DVAR) ~ 2 years (2006-7), then big jump to ALADIN
- code convergence: ALADIN has to prepare the merge (TL/AD of SL!!!) - **HIGH PRIORITY**; main problem in the interpolation routines? - exists in ARPEGE (Clive Temperton), similar SL expert needed; work can be (easily) deported
- HIRLAM people should be involved in development and maintenance to prepare the code convergence
- multiincremental 4DVAR – who will maintain it? (possibly taken from ARPEGE)
- note usual gap between validation of the model configs and the assim/obs configs

code convergence target – to have a common code in 2008?

scientific plan

common one („for directors“): to be prepared for 2006 with longer outlook, no need to be very detailed – see presentation of Andras for the topics  
otherwise HIRLAM and ALADIN have own plans

working week in Budapest (14-18/11): draft program? : general training on the code organisation and coding practices (Mon, Tue), Wed-Fri data assim technical part with practical topics to prepare the code convergence, see and learn the particularities of each code  
Andras to prepare the draft program

## LAMEPS

AU: breeding OK, ETKF in July

FR: PEACE=PEARP

- can Austria provide the code for breeding? YES
- LBC aspect to be investigated (J Nicolau prepared the LBC for case study for YW?), the experimentation can be shared (interests from HU)
- downscaling ECMWF EPS: shared between HU and HR? (clustering – to be coordinated, example of Italy)
- test different physics (AU, CZ)
- singular vectors: advice to do it in SL framework, eulerian very expensive, room for research, HIRLAM has plans for SV since ever; potential topic for cooperation but no result granted

(contact person Ben? in the Netherlands, student in Budapest, one person at GMAP working on SV & PEARP, ie ARPEGE, various activities within HIRLAM countries); targeting questionable for LAM

- link with the PEPS project?
- Hungarian verif package available to anybody
- many ongoing activities, but looking like toys now, but LAMEPS at synoptic scales has a high priority => kick-off workshop (March-April 2006) ?
- LACE WG for EPS, LACE means for mobility
- LAMEPS coordination on European level seems to be questionable