

HMG-CSSI agenda

- Review of actions decided in Sofia
- Status of ongoing activities
 - Data assimilation
 - Model physics and dynamics
 - Surface issues
 - Probabilistic forecasting
 - System aspects
- No time left for some system aspects, discussion on follow-up for SRNWP
- General impression: from draft strategy to plans to actions
- Thursday:
 - review several issues identified for actions during this meeting
 - Review actions required in coming months for several issues

Data assimilation

- Review of common mesoscale data assimilation plan. Good joint process, but ambitious plan.
- Necessity for different treatment of extension zone for large domains reviewed. Possible long-term solution in wavelet approach. Short-term: extend extension zone, avoid calculations within it.
- Obs operator convergence: Some descriptions still needed before review process. Authors requested to come with joint recommendations such as done in GPS document
- Surface data assimilation: broaden scope of WG1, to create “scientific paper” a la Best et al. to serve as guideline for developments of coming years. Start made at this meeting.
- Surface DA: arrange meeting of Mahfouf, The, Diez, Deckmyn, Hamdi to give DA setup a push
- EURRA: no developments on EEA front. Decision not to initiate “own” efforts on this except where activities naturally fit into own plans.

Model physics/dynamics

- Model validation: proposal to perform in-depth validation (against SOP/extended obs sites?) and intercomparison of physics packages. Aim: better understanding of physics performance, strength and weaknesses of individual schemes, and priority areas for improvement. No “beauty contest”! Joint setup and evaluation. Tbd with AROME partners.
- Surface-UA interface: WG1 setup
- Communication /feedback on NRT monitoring and experiences is essential, should be improved. Regular reporting, mailing lists, ...?
- LBC: new possibilities given by work of Termonia? Consider and discuss way forward with involved experts during meeting, review outcome on Thursday
- DFI problems indicated, to be discussed and reviewed on Thursday
- Pmsl near orography: experiments on this considered useful regardless of VFE developments. Discuss during meeting.

Probabilistic forecasting

- Progress in development of methods and tools quite satisfactory
- Setback by failure to obtain FP7/EUMETNET funding
- GLAMEPS: concerns on slow progress on technical aspects of laboratory system. Reasons for this reviewed. Coordination, effectiveness of ALADIN contributions could be improved.
- Required: clear commitments, clarity on configuration of “version 0”, feasibility of using ECMWF as data center. Review of required actions after GLAMEPS steering group discussion of Wednesday.
- Consider ALADIN pooling of resources of member states at ECMWF (Belgium, Portugal)

System development aspects

- Phasing: split in pre-cycle validation, phasing tasks. Medium-term: let system experts collect changes, port to MF repository. Intensify communication on what is done within phasing from HIRLAM side.
- Longer-term: consider need/use for changes in present MF-ECMWF agreement.
- In/output formats: discussion of document prepared by Ryad, Xiaohua. Use convertors for “external” data, keep internal formats. Push for API GRIB solution in Interoperability proposal.
- HIRLAM system experts: need for better documentation on implementation of HARMONIE from scratch on different platforms.
- Open discussion on several aspects/tools relevant for medium-term system development strategy (make facilities, SMS, prepIFS, ...)

Items to be revisited in common plans / Thursday

- Extension zone
- Surface and surface data assimilation
- Physics validation and intercomparison
- LBC and DFI follow-ups
- GLAMEPS developments, in particular laboratory setup of version 0
- Common verification and tools; precipitation analysis in relation to mesoscale validation/verification
- SRNWP/Interoperability follow-up
- (format of) next meetings