

Expert Team on System Aspects

Review Talk 32nd EWGLAM / 17th SRNWP Meeting

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General Remarks

- Last years discussion in Athens brought up some topics of interest (see next slide)
- But we do not have resources to do some active work (besides Interoperability, but offered (ex)² (exchange experiences) or even (ex)³ (exchange extraordinary experiences))
- Some (mostly) bilateral discussions / actions started
 - MeteoFrance / DWD: Coordination of work on vectorization issues of grib_api for NEC systems
 - DWD / HIRLAM: (ex)² about software maintenance
- Another topic, which did not start within the ET on System Aspects:
 - Collection of observational data of specific measurement sites (Lindenberg, Cabauw, Payerne, ...) on the COSMO Web Page and availability of these data to registered users.

Topics of Interest for the ET

- Last years discussion gave some topics of interest
 - Implementation aspects (Code Design, Portability, Interfaces, I/O, Parallelization, Optimization)
 - Software maintenance (⇒ presentation by UKMO)
 - New computer architectures (⇒ presentation by COSMO)
 - Sharing of computer resources (is time ripe for that?)
- The ET took over the job to compile the list of “Operational NWP Systems in Europe” from Detlev Majewski (DWD).

Work for (and from) Interoperability

- The ET on System Aspects supports the Interoperability Programme by coordinating work within the consortias and by doing actual work.
- This seems really to be appreciated, because they devoted even more work to us (also for the time after Interoperability):
 - To maintain the standard output format and the lists of parameters:
 - Grib2 issues: we are NOT the experts for Grib2, but can try to coordinate discussions between the consortias and with ECMWF
 - Update the lists of parameters to be exchanged, if necessary
 - Keep the documentation of these lists up to date (not only: *which parameter is it*, but also: *what does it really stands for*, cloud ice for example is treated and interpreted different in different models)
 - To maintain and test the Interoperability software, the adaptors:
 - Exchange test data once a year and check the adaptors
 - Best before the EWGLAM / SRNWP Meetings

Conclusions

- The ET on System Aspects will ensure the useability of the Interoperability Software in the next years
- Exchange of information and experiences on selected topics will go on
- Whoever could not give me an update for the „List of Operational NWP Models in Europe“ should contact me in the next Coffee Break



Thank you for your attention

