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5 Presentations were included

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- Ulf Andrae: Nightly builds and daily runs. The HARMONIE testbed
- Ryad El Khatib: Profiling ARPEGE/ALADIN/AROME

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- Toon Moene: Review of HIRLAM work on SRNWP Interoperability project.
- Andras Horanyi: ALADIN-Climate: latest achievements at tha Hungarian Met Service.
- Sami Niemela: Verification of high-resolution precipitation forecast using the SAL method

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HARMONIE testbed

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- Many flavours of HARMONIE
- All meaninful switches should work
- Avoid duplicated work whenever possible
- Run using mSMS

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Local implementations included as tests deviating from the default

Conclusions

- The testbed is valuable tool to test the available meaningful configurations in HARMONIE
- $+ + \bullet$ It has been useful for the technical testing of the last cycle (35h1.2) and will be useful for technical and meteorological evaluation of future cycles.
 - + +**Documentation** + +https://hirlam.org/trac/wiki/HarmonieSystemDocumentation++ + +
 - -> Evaluation/HarmonieTestbed
- Nightly build script + + • https://svn.hirlam.org/trunk/contrib/util/TestHarmonie

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- ECMWF HPC workshop in 2008
- Results from last year mostly confirmed
- Benchmarkers "Mitraillette"
- Tuning of NPROMA in vector processors

- Profiling tools:
 - Dr Hook
 - Gstats

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• Vendor supplied profiling tools

HIRLAM work on Interoperabiolity project

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Sample output sent to the central server

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- Produce output in a common format: GRIB2
- Need for several convertors

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• Some of them included in GL

ALADIN Climate

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- ALADIN used as regional climate model
- Several host "models"
- ERA40

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Verification using SAL

- The SAL method (Structure Amplitude Location)
- On the average, the SAL scores for AROME are very good

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• There are some characteristics about overforecasting and underforecasting

• SAL is included in the GL tool

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• Instructions in the WIKI page