WG7 wish-list for VERSUS

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WG7 wish list

- The need of the COSMO members w.r.t. EPS verification with VERSUS have been revised during the meeting held at the CUS and later by email

- Several of the required features are now implemented in VERSUS, but in a recent version not officially released (3.3)

WG7 wish list

- "automatic computation" of RPS and RPSS

- CRPS and CRPSS (Continuous Ranked Probability (Skill) Score)

- Spread/skill relation

- Txt output of the pdf plots (ROC Curve, Rank histogram, reliability diagram, cost-loss curve)

- Observation based verification

Testing

- Extensive testing of the EPS verification tool has been carried out at MeteoSwiss, RHM, ARPA-SIMC (version 3.2 at ARPA-SIMC and RHM and version 3.3.not_official at MCH and also by Flora at ECMWF)

- During the testing period, bugs have been found and problems have been encountered, therefore patches have been prepared by CNMCA and distributed to e.g. MCH -> no clear unique new version currently available

- Main issue: problems encountered in loading the ensemble forecast and observation data in VERSUS (several members, many stations) -> this prevented the realisation of some tests

- Also: problem of the multi-user functionality

Further testing

A proposed path forward:

- a new official version will be released by CNMCA, where the corrections/additions made on the basis of the feed-backs already provided are implemented

- testing of this version will be made by the same COSMO members

- no additions of scores with respect to what was already in the wish-list