



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Home Affairs FDHA
Federal Office of Meteorology and Climatology MeteoSwiss

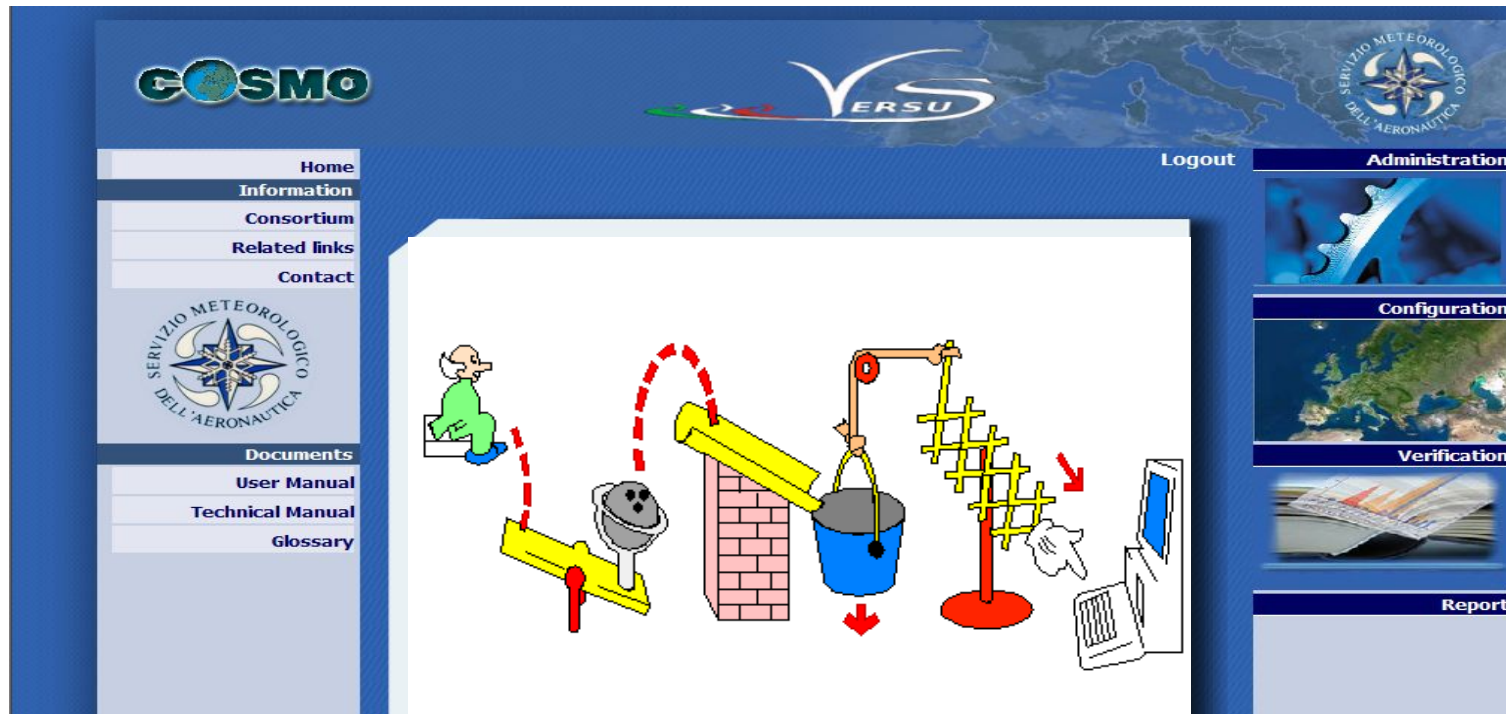
Limbering up VERSUS for operational use



COSMO-GM, September 2012, Lugano
Vanessa Stauch (MeteoSwiss)



Furthest possible automation of VERSUS



Each month/season/year, the calculation and visualisation of the desired verification scores for the desired forecast models is executed with one “jump”

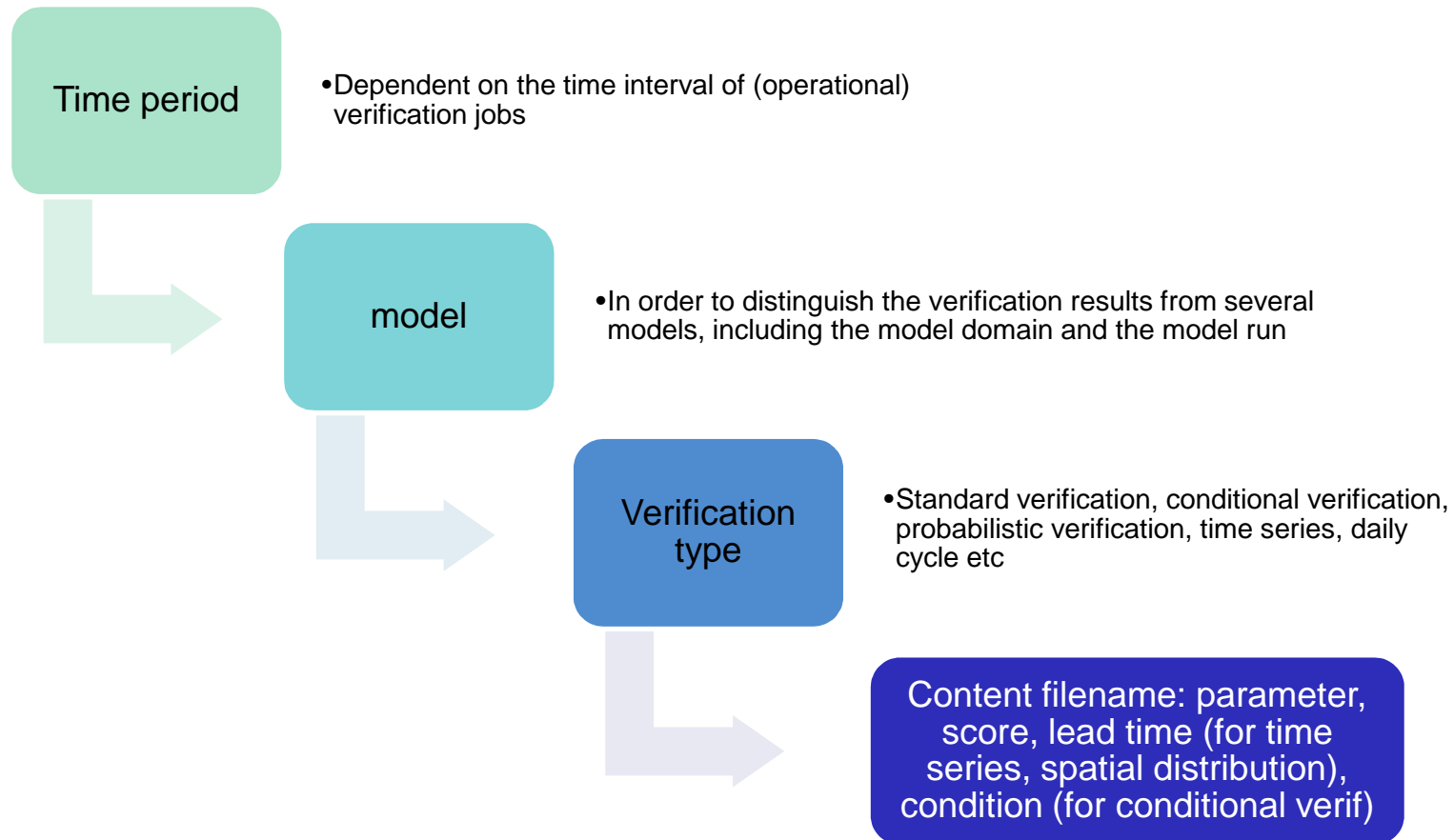


Maximal automation

- ✓ Precious VERSUS functionality: batch jobs
- ✓ Further component for automation: cronjobs for running php scripts to start verifications → guidance of the PL very welcome!
- ✓ Registration of verifications script based? E.g. time series for PREC6: 1 form for each parameter, run, day, model → 35 clicks per form
- ✓ Include automatic storage of figures with reasonable names for unambiguous identification, distribute files in different folders in order to reduce length of filenames → definition needed
- ✓ Maximal performance of VERSUS: guidance for DB partitioning and tuning of the PL very welcome!



Example filing system graphical output





System transparency

Readability and information content of the log files:

identify process steps that might go wrong and add useful information about processing activities around these steps (e.g. always define/explain log file output, allow for monitoring the tracking of the processes, please in English 😊)

Make sure no log file is overwritten (e.g. enable more than one log file of the same process a day)



Non-instantaneous parameters

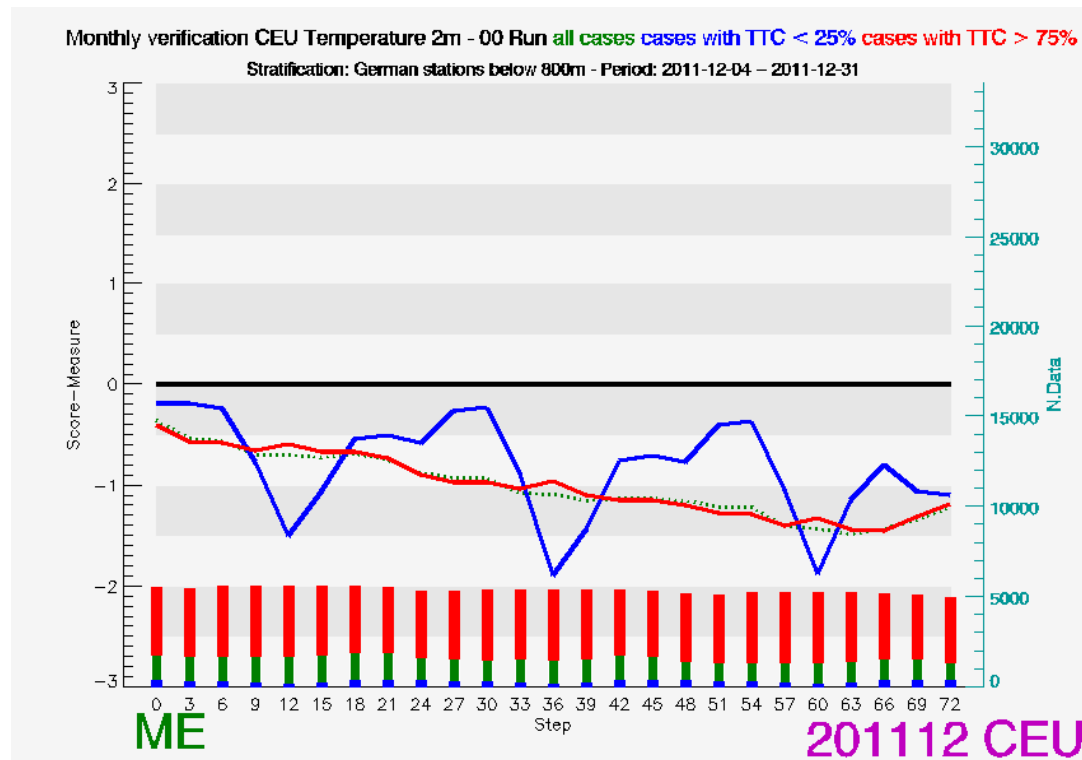
- ✓ Not only desired for parameters that are verified (e.g. precipitation) but also needed for the parameters in the forecast conditions
- ✓ Precipitation: enable all runs and reasonable accumulation periods: preferably not hard coded but taken from the grib file meta information
- ✓ Same for wind gusts or global radiation or CAPE etc...



Display sample size for plots

- ✓ Precipitation: to be added dependent on the thresholds
- ✓ Conditional verification cross model graphs:

Ulis solution:





Suspect observations (input Uli)

- ✓ Clear definition for default suspect observations/suspect observation-forecast pairs to be used for common plots



Technical problems & suggestions

- ✓ Weather type registration/append functionality:
 - Facility to delete parts of the registered dates missing
 - Delete weather type registration does not work
- ✓ Batch job execution:
 - interruption of process should be possible
- ✓ Graphics registration:
 - If given scales for plot are smaller than needed, returning to the modification page is not possible

- ✓ More on the forum...