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CHMI lessons learned on HFS performance, (commented by P. Ricicova)

- Should the basin outflow be affected by reservoir- or by water management system flow-control, timely data - exchange between CHMI and Water Boards is inevitable. Such cooperation applies for both, fot the flood- and dry periods
- The RFO's office procedures follow the **daily** basis of forecast issue (19 water forecasting points so far)
- The forecasts are however based on observations from reporting network of 150 water gauging stations
- During floods, the time step should be adequately refined. In this respect, headwater basins require particular consideration
- The models should enable runs in continuous mode, re-start facility, solution- and parameter manual and/or automated updating, if necessary
- The HFS should provide for transfer of state variables (discharges, water stages, snow-cover, reservoir pool levels, etc.) and also updated parameter values from one exec to the next one
- In the CZ basins the natural wave travel time permits forecast lead time in extent from several hours up to one day at maximum, depending on size of the watershed
- The total Labe river lead time down to German border is considerably affected by operation of Vltava cascade with preference of hydro-power peak production
- The snow melt model particularly useful for long term prediction of spring filling the reservoirs, e.g. Vltava cascade
- The density of precipitation reporting network adequate in lowlands of the basins
- It has been recently completed in mountains, and in higher elevation basins

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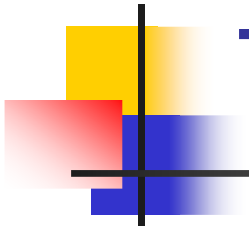
CHMI experience on HFS operation problems

(commented by P. Ricicova)

- Running-in period of the Aqualog and HYDROG systems has proven their potential, particularly in flood forecasting
- Timely data collection from CHMI and from River Board MET stations becomes an essential prerequisite for routine continuous forecasting
- Some staff-originated problems appear on free days and on weekend shifts
- Periodic datacoll system maintenance is a must
- Forecast adjustment and/or updating necessary
- Contiuous support of HFS developper to CHMI and River Boards model operators essential
- Need for continuous gaging network upgrading



Thank you