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Federal Office of Meteorology and Climatology **MeteoSwiss**

S2D products and their use

Current situation and outlook

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Overview

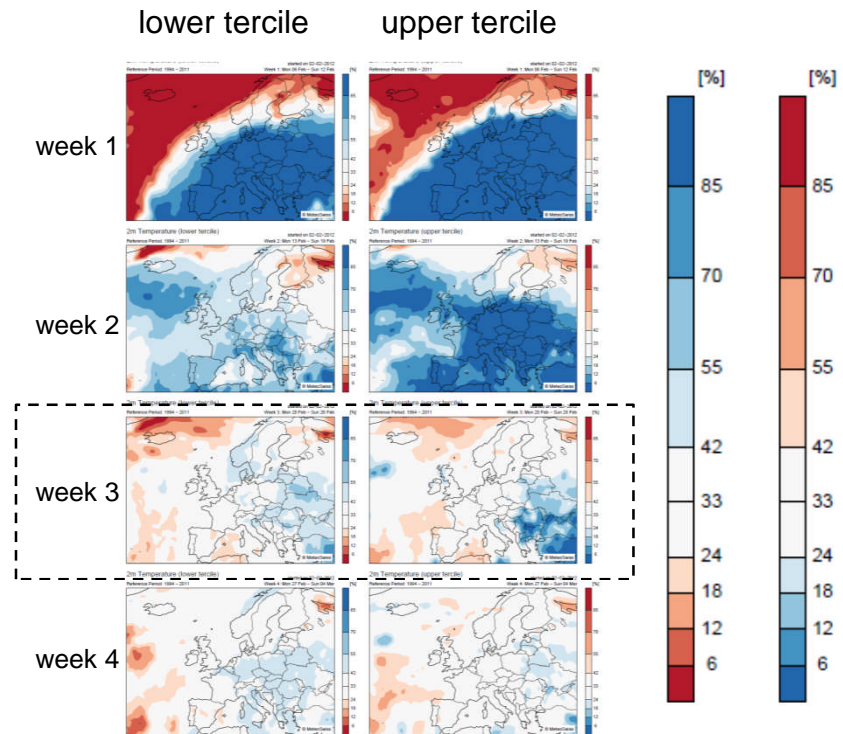
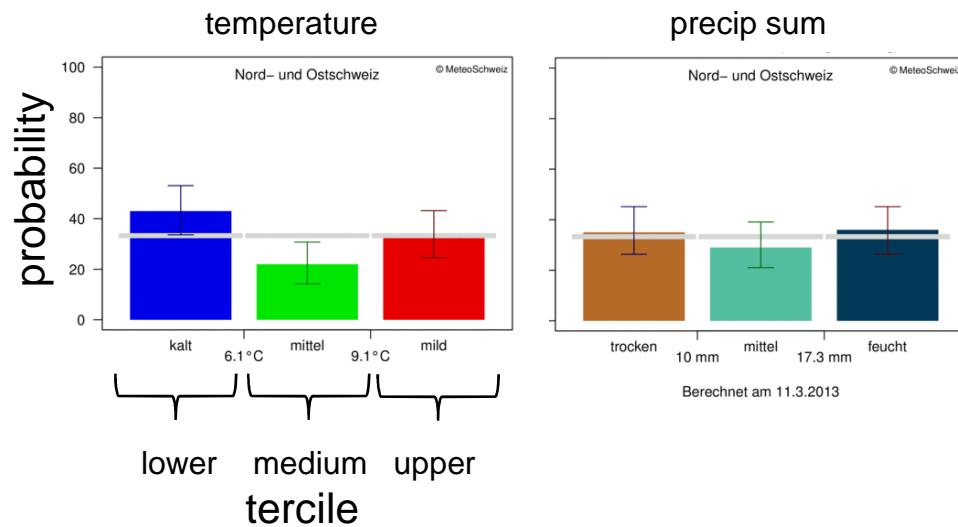
- Current S2D forecast products
 - monthly forecasts
 - seasonal forecasts
- Users of S2D forecasts
 - general public
 - insurances, energy companies
- Future ideas
 - presentation formats



Products monthly forecasts

- tercile forecasts for weeks 1-4
 - selected locations and maps (worldwide)

forecast for 25.3.-31.3. :

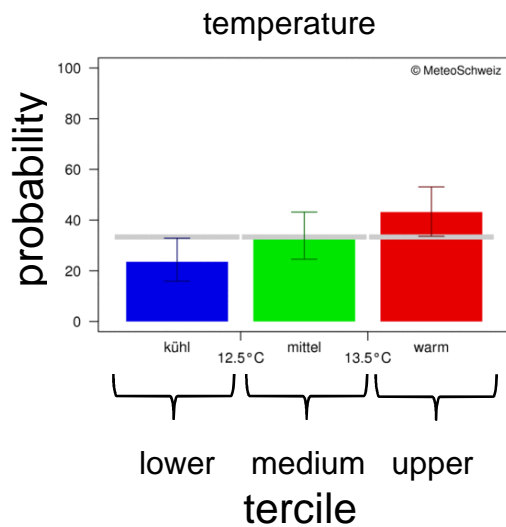




Products seasonal forecasts

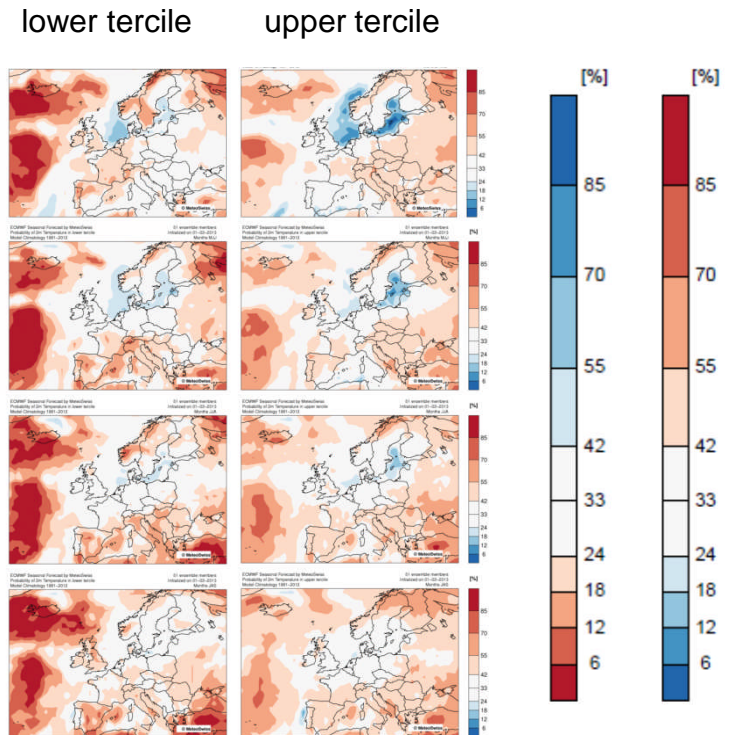
- terciles of 3-monthly means for months 1-7
 - selected locations and maps (worldwide)

forecast (2013-3) for AMJ :



precip sum

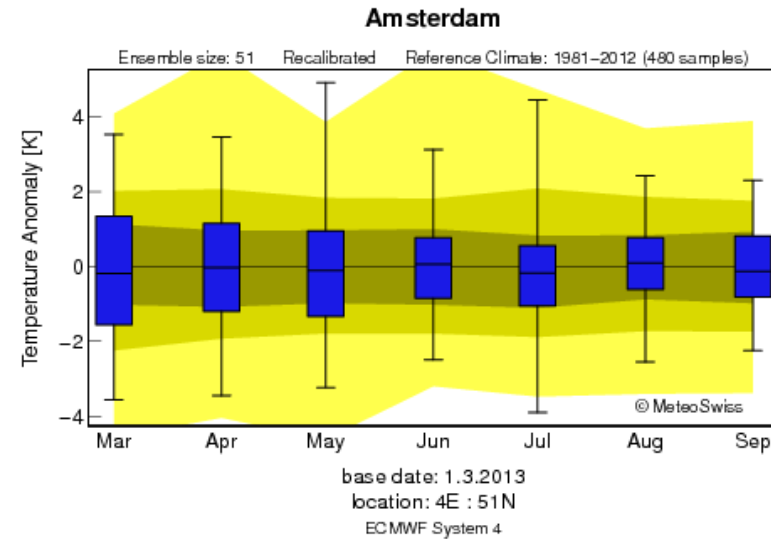
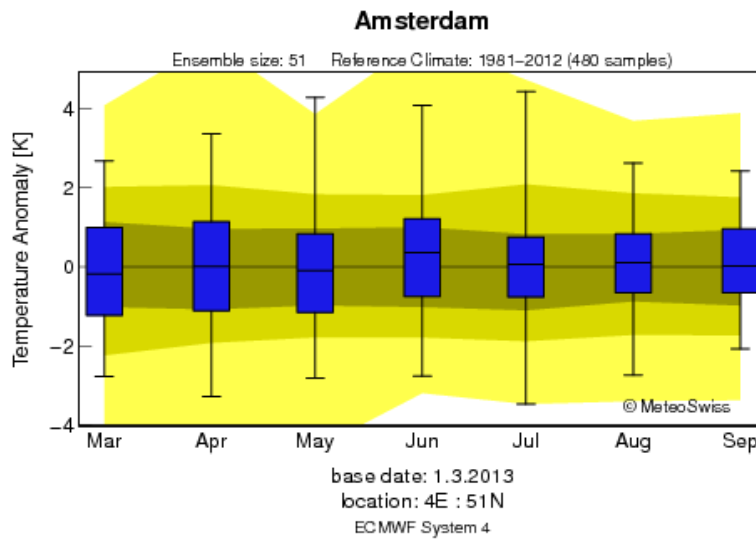
no!





Products seasonal forecasts

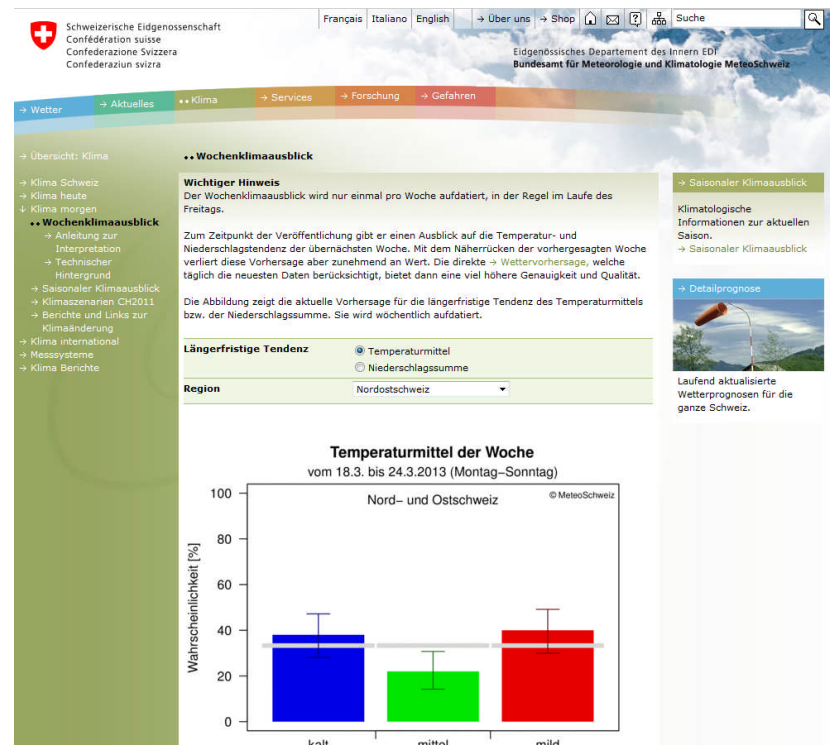
- terciles of 3-monthly means for months 1-7
 - selected locations and maps (worldwide)
- climagrams





Users of S2D forecasts

- General public: monthly and seasonal forecasts on website





Users of S2D forecasts

- General public: website
 - more interest in MF than SF
 - tercile plots not intuitive
- Commercial customers
 - Energy companies
 - M&SF (terciles) worldwide
 - Insurances
 - M&SF (terciles, climagrams) worldwide



Use of forecasts

- for operational tasks
 - trading (energy)
 - weather derivatives
- grafics *and* data formats
 - grafics as planning support?
 - users couple forecasts to their application models
- worldwide
- recent trends
 - information on ind. ensemble members
 - high time resolution



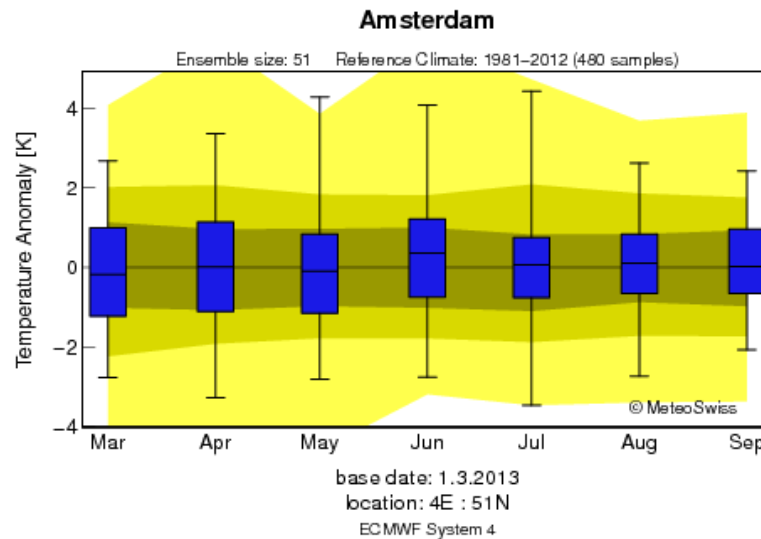
Use of forecasts

- contracts (e.g. weather derivatives) over a given time period, not necessarily over complete months
 - customized averaging periods
- monthly means: loss of information
 - cumulative indices based on daily data?



Ideas for improving presentation

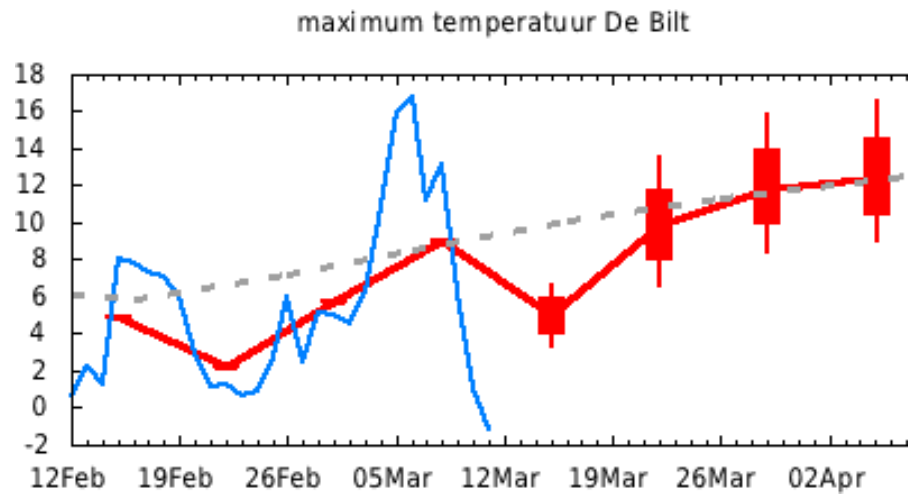
- Vision of seamless services
 - time axis
 - climagrams...
 - different granularity for different time ranges





Ideas for improving presentation

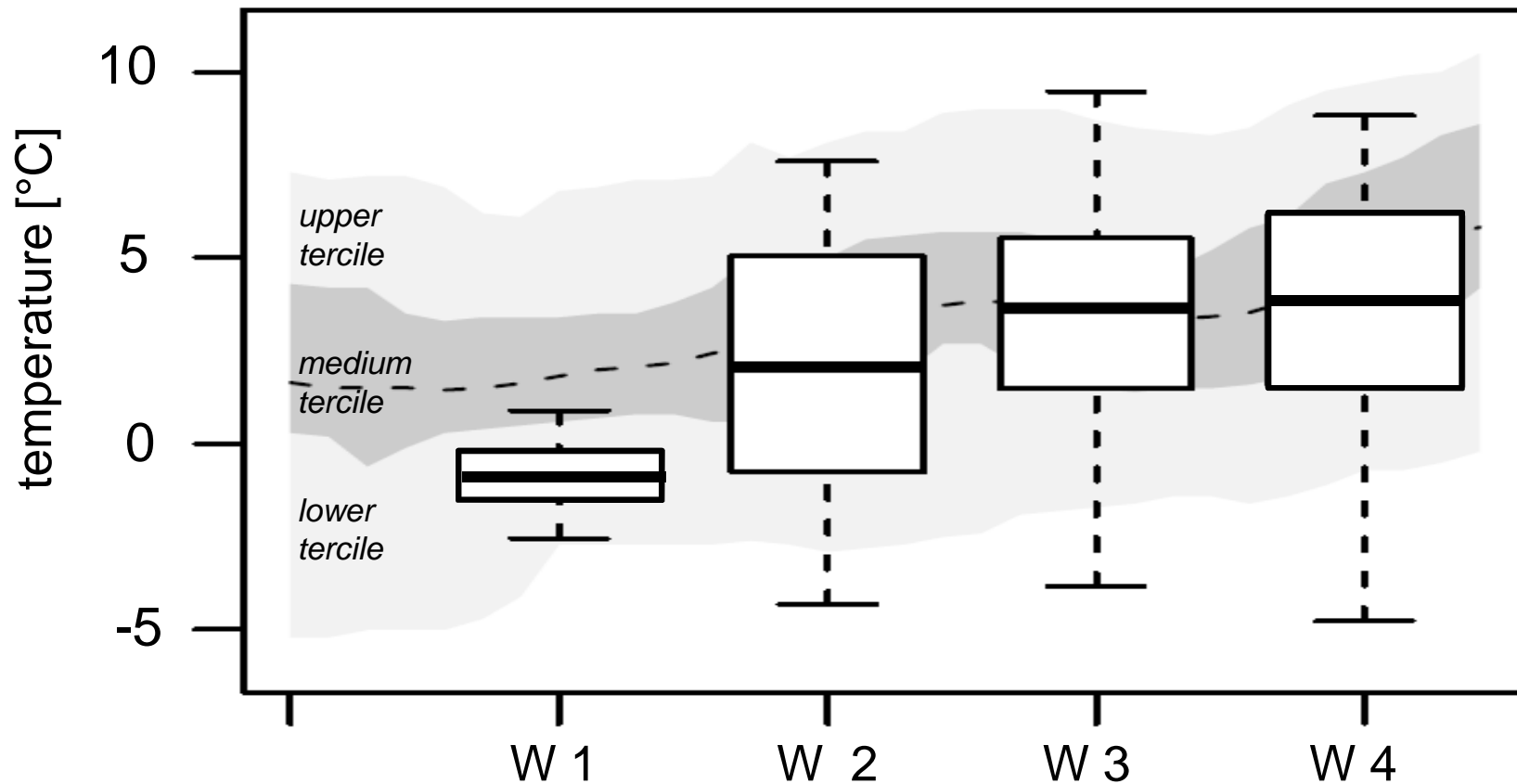
...concept already realised by KNMI





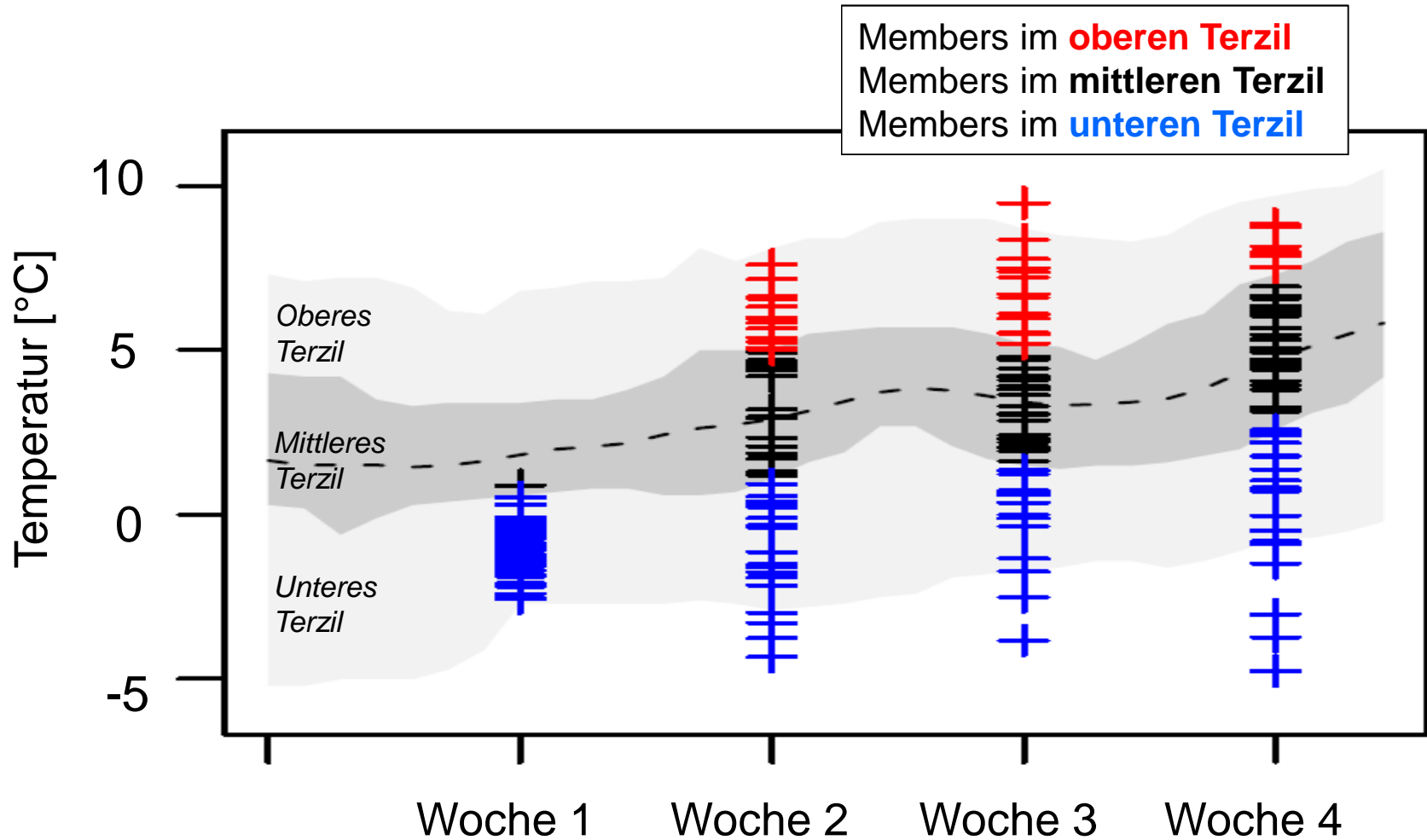
Ideas ...

Monthly FC vs observed climatology



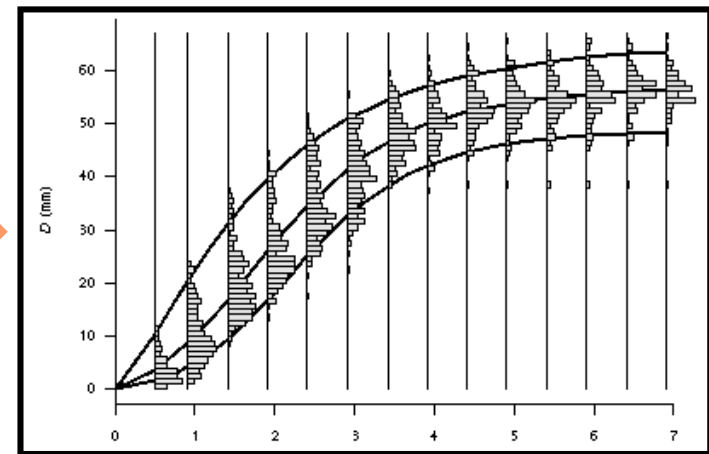
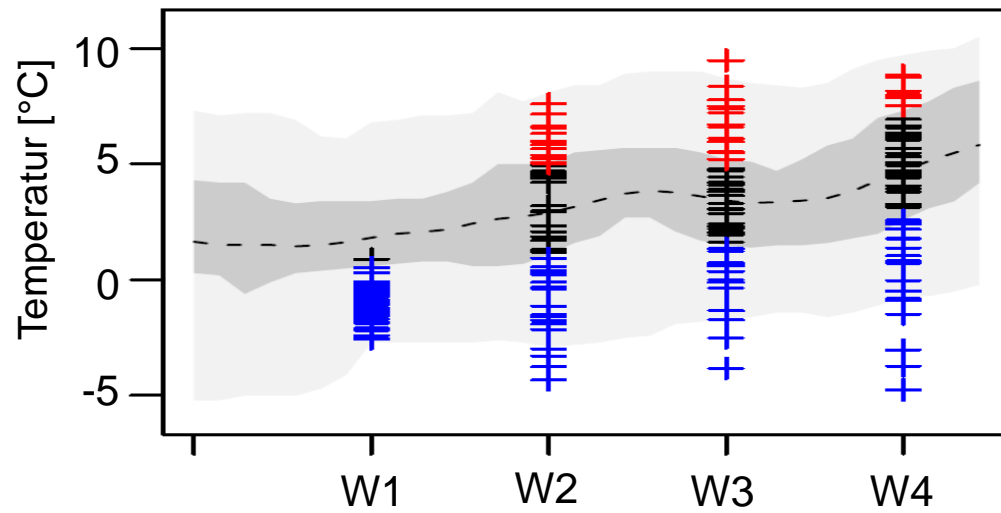


Ideas ...





Ideas ...





Thank you!