

Predictability session - I

Ensemble products and interpretation :

- Relax temporal and spatial requirements (e.g. max in an area, products upscaled on catchments or warning areas)
 - Neighbourhood probabilities -> adaptive neighbourhood, dependent on the predictability (estimated by the ensemble spread)
 - More difficult for extreme events!
 - Ensemble output only on the reliable scale
 - but: what is the reliable scale? It is weather dependent, it varies with lead time, it varies with the region ...
 - Ensemble output according to forecasters / users needs
 - but: localisation errors, jumpiness ...
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Predictability session - II

Spread/skill relation and model perturbation

- Why is so difficult to perturb the model, given that small errors grow faster? Why is SPP/SPPT so indifferent to the size of the spatial pattern?
 - Model diffusion
 - influence of BCs
 - dependence on the variable
 - importance of the temporal scale of the perturbation
 - dependence on the weather situation
 - perturbations may disrupt the development of structures
 - Importance of the model systematic error and of what the specific model can or cannot do
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