

Predictability & EPS

- Who is actually using EPS forecasts? And how? Customer satisfaction?
- Netherlands: daily probabilistic fc (De Bilt plume) on prime time TV
- Norway: on website
- Used by hydrologists (Sweden, Belgium)
- Denmark: wind energy
- Still big effort needed to "educate" people.

Current systems

- Spread issues (Lower boundary)
 - Perturbations of surface physiography
 - EDA
 - Multi model
 - Multi phys.
- Members
 - Saturation around 30-50 at current (global) scales
 - Depends on resolution

Meso-scale

- Hardly any experience with predictability at meso-scale.
- Are lessons from 10km still valid at 2km? (not always the case for deterministic fc)
- How take account of meso-scale physics?
Linear model,...
- We will need new techniques.
- We don't know enough yet about uncertainty at these scales.
- What is a realistic timeframe? 10years?

perturbations

- Random perturbations (analysis differences) as benchmark.
- Spread after e.g. 6h.
- Large scale consistency of IC and LBC.

Link to Data Assimilation

- What can DA and EPS practitioners learn from each other?