

Workshop on Hydrological Forecasting and Uncertainties

13. september 2012, NVE, Oslo

The aim of the workshop is to provide a platform for discussing research and development on hydrological forecasting performed at different institutions in Norway. Important subjects to be addressed is what is a good hydrological forecast and which steps are the most important to provide better forecasts? Important subjects that will be addressed are data quality, quality of hydrological models, assimilation strategies, meteorological ensemble forecasts, pre-processing of meteorological forecasts (e.g. BMA) and post processing of hydrological forecasts.

09.00 – 09.15	Welcome, presentation of the participants	<i>Chair Hege Hisdal, NHR / NVE</i>
09.15 – 10.00	Meteorological and hydrological ensemble forecasting – how do we get the best quantification of forecast uncertainties?	Florian Pappenberger, ECMWF
10.00 – 10.15	<i>Coffee</i>	
10.15 – 11.00	Hydrological models and data assimilation for real-time forecasting	Keith Beven, Lancaster Environmental Centre, Lancaster University
11.00 – 11.25	Quantification of uncertainties in observed winter precipitation and runoff	Asgeir Petersen-Øverleir, Statkraft
11.25 – 11.50	Updating strategies for inflow forecasting	Oddbjørn Bruland, Statkraft
11.50 – 12.30	<i>Lunch</i>	
12.30 – 13.00	Quantification of uncertainties in meteorological forecasts	Morten Ødegaard, met.no
13.00 – 13.30	BMA and GMA methods for meteorological ensemble forecasts	Stian Solvang Johanssen, UiO
13.30 – 14.00	Operational flood forecasting: models for uncertainty quantification	Elin Langsholt, NVE
14.00 – 14.15	<i>Coffee</i>	
14.15 – 14.45	Pre- and post processing approaches for achieving calibrated streamflow forecasts	Ingelin Steinsland, SINTEF Energy
14.45 – 15.15	Uncertainties in hydrological modeling and forecasting	Chong Yu, UiO (or some of his students)
15.15 – 15.30	Discussion and closing the workshop	