



## **Recent Advances and case studies in medium range flood forecasting: A follow on review**

Florian Pappenberger (1), Jutta Thielen (2), Hannah Cloke (3), and Maria-Helena Ramos (4)

(1) European Centre for Medium Range Weather Forecasts, Reading, United Kingdom (florian.pappenberger@ecmwf.int, +44-(0)118-9869450), (2) EC Joint Research Centre, Ispra, Italy, (3) King's College London, London, UK, (4) Cemagref, Paris, France

Ensemble Flood forecasting systems are more and more widely used. Cloke and Pappenberger (2009) reviewed the scientific drivers of the shift towards such 'ensemble flood forecasting' and discussed several of the questions surrounding best practice in using EPS in flood forecasting systems. They also review the literature evidence of the 'added value' of flood forecasts based on EPS and point to remaining key challenges in using EPS successfully. In this poster we update this review. We also review recent flood events and demonstrate the possible achievable performances with a medium range ensemble based hydro-meteorological flood forecasting system.