

## ***Interactive comment on “Adaptive correction of deterministic models to produce accurate probabilistic forecasts” by P. J. Smith et al.***

### **Anonymous Referee #1**

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General comments: This paper presented a novel stochastic correction based on the evolution of an adaptive, multiplicative, gain in order to correct deterministic forecasts given by a flood forecasting model. The results suggest that this has been quite successful. The topic is certainly attractive and suits well within the scope of the journal. The paper is well organized and easy to read, used methodology is appropriate. It is a worthy paper. The main changes to be considered before to accept its publication is to refine the results, discuss further.

Specific comments: 1. Points look like black line in figure 2, it isn't clear. 2. Fig.5 and Fig. 6 aren't clear. I can't find the shaded area. 3. The paper need to analysis the Nash-Sutcliffe efficiency in observed values and model predictions and after post-process values, it is very important to flood forecast.

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Discussion Paper



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