



Hydrological ensemble forecasting for the Huai River basin, China

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Hu et al. (2016) have tested post-processing methods to calibrate and improve ensemble rainfall forecasts for the Huai River basin in China. As a next step, ensemble hydrological forecasts for the Huai River basin, using the ensemble rainfall forecasts as input, have been prepared, resulting in a multi-year ensemble forecast data set of streamflow. Based on these hindcasts an in-depth analysis of the effects of post-processing rainfall forecasts on the accuracy and reliability of the resulting ensemble streamflow forecasts is being performed. Secondly, hydrological post-processing will be applied to the streamflow ensemble forecasts. The result of this research will be presented, providing an overview on the advantages and dis-advantages in using post-processing methods to improve flood forecasts for the Huai River basin.