

Key technologies for flood forecasting systems in China

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Abstract This paper focuses on the key technologies for the structure of model-based flood forecasting and flood forecasting schemes, and the coupling mechanism of model calibration with optimization algorithms, as well as interactive operational forecasting which fully utilizes the forecaster's knowledge and experience, enhances the efficiency of forecasting analysis, and improves the quality of forecast production. A technical system for general flood forecasting, i.e. the National Flood Forecasting System, NFFS, has been developed.

Key words flood forecasting; forecasting scheme; parameter calibration; interactive forecasting
