

Title: New technologies for operational flood forecasting

Since 2003, the Climate Forecasting Applications for Bangladesh (CFAB) Project has been issuing 1- to 10-day in-advance operational flood forecasts for Bangladesh of the Brahmaputra and Ganges Rivers as they enter into this country. We will discuss some new approaches to improve the system that are underway: 1) a collaboration with the Dartmouth Flood Observatory to assimilate upstream river information; 2) a statistical tool for generating calibrated ensemble forecasts with informative spread-skill information; and 3) a cautionary tale of the potential limitations of applying multi-model approaches to capture hydrologic model uncertainty.