

Title: Operational flood forecasting for Bangladesh

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. This system has forecast severe flooding events in 2004 and 2007 that led to long-lead-time evacuations of vulnerable villages living along the Brahmaputra River. We will talk briefly about sea-level and climate change impacts on this country, and review the CFAB flood forecasting system and some of the technologies developed (and applicable elsewhere); specifically, an approach to merge forecasted precipitation with satellite-derived estimates, and the post-processing algorithm developed to generate properly dispersive and reliable ensemble discharge forecasts.