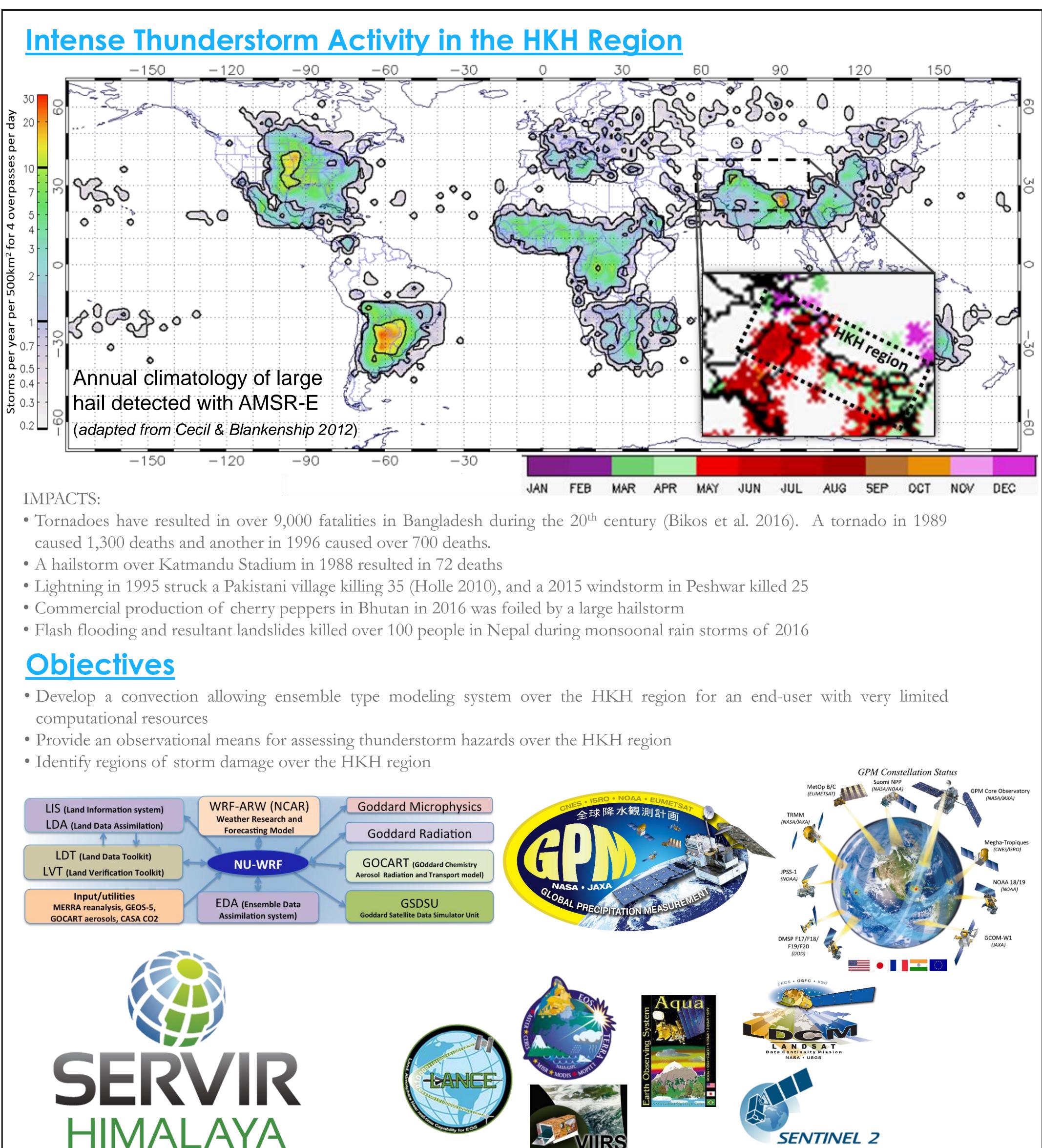
## #300486

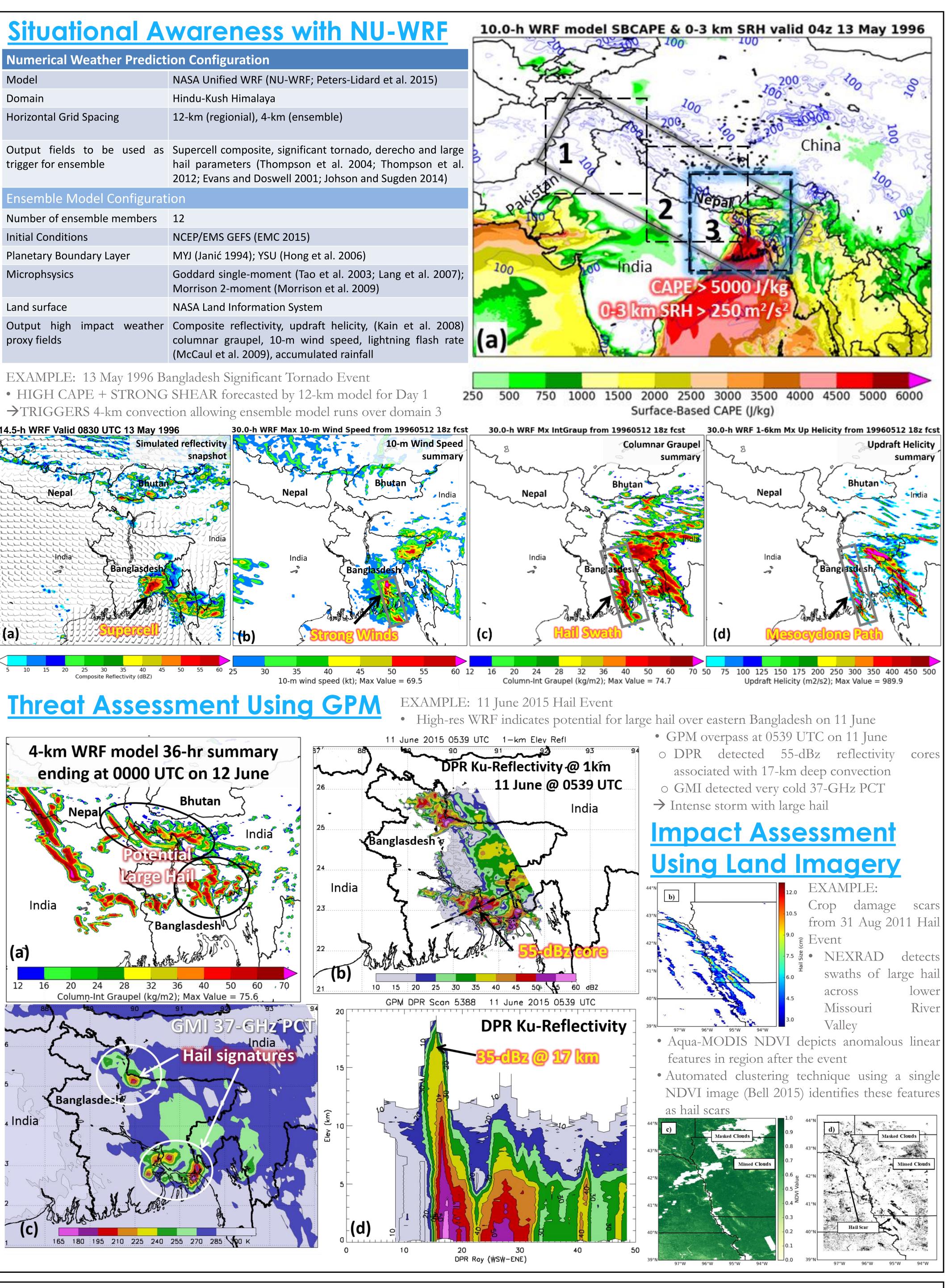
## Monitoring Intense Thunderstorms in the Hindu-Kush Himalayan Region

**Abstract.** Some of the most intense thunderstorms on the planet routinely occur in the Hindu-Kush Himalaya region (HKH) region—where many government organizations lack the capacity needed to predict, observe and effectively respond to the threats and hazards associated with high impact convective weather. This project combines innovative numerical weather prediction, satellite-based precipitation and land imagery techniques into a high impact weather assessment toolkit (HIWAT) that will build the capabilities of national meteorological departments and other weather sensitive agencies in the HKH region to assess the potential threats and impacts of high impact convective weather.



Patrick Gatlin<sup>1</sup>, Daniel Cecil<sup>1</sup>, Jonathan Case<sup>1,2</sup>, Jordan Bell<sup>1,3</sup>, Walter Petersen<sup>1</sup>, Bhupesh Adhikary<sup>4</sup> <sup>1</sup>NASA Marshall Space Flight Center,<sup>2</sup>ENSCO Inc.,<sup>3</sup>University of Alabama Huntsville,<sup>4</sup>ICIMOD/SERVIR-Himalaya

**CONTACT INFORMATION:** *Patrick.Gatlin@nasa.gov* 



Acknowledgments: This project is funded by NASA's SERVIR Program managed by Nancy Searby at NASA HQ in Washington, D.C.. We would like to thank the SERVIR Science Coordination Office at NASA MSFC for their assistance with engaging the SERVIR-Himalaya regional hub.



