Abstract. Some of the most extreme thunderstorms on the planet routinely occur in the Hindu-Kush Himalaya (HKH) region—where many government organizations lack the resources needed to fully assess the risk associated with hazards that result from 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 is building the capabilities of national meteorological departments and other weather sensitive agencies in the HKH region to predict, observe and effectively respond to threats and impacts posed by thunderstorms that affect the region, thereby enhancing extreme weather resilience in the region.

Intense Thunderstorm Activity in the HKH Region

High Impact Weather Assessment Toolkit (HIWAT)

1. Hazardous Weather Forecast
   Point-based forecast

2. Near-Real Time Observations
   Large Hail Probability Maps

EXTREME WEATHER RISK ASSESSMENT USE CASE: 30 March 2018

Monitoring Intense Thunderstorms in the Hindu-Kush Himalayan Region

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Acknowledgments: This project is funded by NASA's SERVIR mission 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.