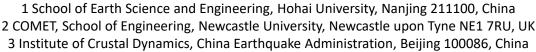
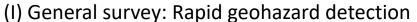
## Newcastle University

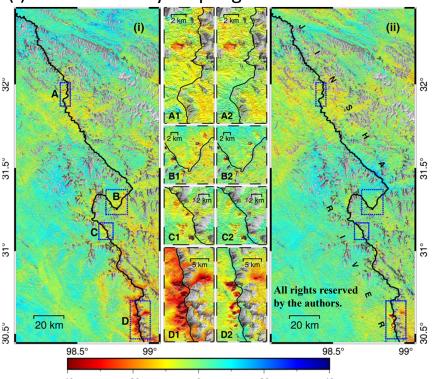
## Detection and deformation monitoring of landslides by InSAR: Applications along the Jinsha River, China

Ruya Xiao<sup>1,2</sup>, Yongsheng Li<sup>3</sup>, Chen Yu<sup>2</sup>, Zhenhong Li<sup>2</sup>, Xiufeng He<sup>1</sup>







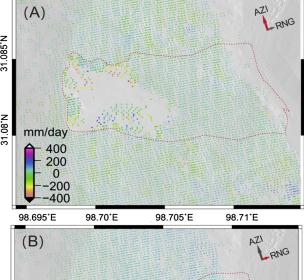


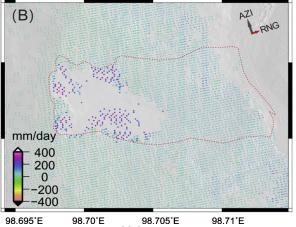
The mean deformation rate map along the Jinsha River by InSAR stacking (i) without and (ii) with atmospheric correction.

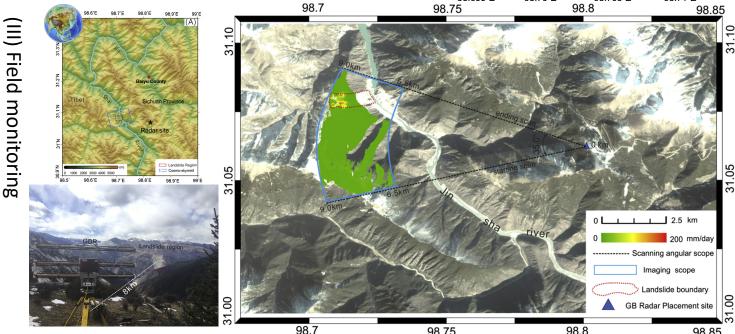
☐ The SAR pixel-offset tracking deformation results of the Baige Landslide in (a) azimuth and (b) range direction, respectively.

## (II) Detailed investigation:









The location of the 2018 Baige Landlside and the view of the landslide at the ground-based

SAR field monitoring site. **7** The geocoded LOS mean deformation rate map by the GB radar. **More Details**: (1) Xiao, Ruya, et al. General Survey of Large-scale Land Subsidence by GACOS-Corrected InSAR Stacking: Case Study in North China Plain, Proc. IAHS, 2020. (2) Li, Yongsheng, et al. Detecting the slope movement after the 2018 Baige Landslides based on ground-based and space-borne radar observations, Int J Appl Earth Obs, 2020.