

## Detection of landslide surface deformation in Min Jiang watershed, China using PALSAR-2 InSAR image

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In 24 June 2017, 10 million m<sup>3</sup> order landslide occurred and baried more than 100 people in Xinmo Village, Min Jiang watershed in Sichuan Province, China. Previous studies detected precursory landslide surface deformation using Sentinel-1 data, processed in PSInSAR method; however, the deformation after the landslide is not revealed. This study reports the result of the detection using ALOS-2/PALSAR-2 observed in 7 Dec 2017, 4 Jan 2018, and 1 Feb 2018, processed in conventional InSAR method. This study used PALSAR-2 data provided by JAXA in the framework of JAXA sediment disaster prevention working group and specific research in Earthquake Research Institute, University of Tokyo.

Keywords: PALSAR-2, Landslide, precursory phenomenon