

## Landslide surface deformation detection by Iwate-Miyagi Nairiku earthquake using 2.5D analysis on SAR interferometry

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We have already reported landslide surface deformation by 2008 Iwate-Miyagi Nairiku earthquake using Synthetic Aperture Radar interferometry (InSAR) images. In this study, to detect the landslide surface deformation quantitatively in the SE area of Mt.Kurikoma, report the result of 2.5D analysis on the images (i.e., combination of the images observed from ascending and descending orbits).

Keywords: SAR, interferometry, earthquake, landslide, 2.5D analysis