

Surface changes of Ganpei landslide in Joetsu region

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Unique topography and vegetation can be observed around the landslide. The surface changes reflect the internal structure and sliding morphology of landslides. However, there are few cases which the surface changes of landslides are observed spatially and many times.

In this study, we repeatedly conducted field surveys including UAV aerial photography and GNSS survey in the Ganpei area in the eastern part of the Takada Plain, Joetsu City, Niigata. We discussed the relationship between the surface change and motion of landslide based on our results.

Keywords: Landslide, GNSS, Surface change