## Japan Geoscience Union Meeting 2015

(May 24th - 28th at Makuhari, Chiba, Japan)

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HDS25-06 Room:101A Time:May 28 10:15-10:30

## Detection of landslide triggered by 2014 North Nagano Prefecture earthquake using ALOS-2/PALSAR-2 InSAR image

SATO, Hiroshi, P.1\*; NAKAJIMA, Hidetoshi<sup>2</sup>

<sup>1</sup>College of Humanities and Sciences, Nihon University, <sup>2</sup>Geography and Crustal Dynamics Research Center, Geospatial Information Authority of Japan

InSAR image was produced from HH-polarized ALOS-2/PALSAR-2 data measured on 2 Oct 2014 and 27 Nov 2014, then superimposed by landslide distribution map (National Institute for Earth Science and Disaster, 2000). As a result, it was difficult to identify the surface deformation of Happo-iwa landslide and Kakurezawa landslide (Komatsubara et al., 2015) triggered by 2014 North Nagano Prefecture earthquake; however, the image inferred the subtle amount of deformation on no-landslide slope near Shimizu-yama.

## Acknowledgement

Software RINC 0.27 developed by Dr.Ozawa, National Institute for Earth Science and Disaster was used in producing InSAR image.

## References

Komatsubara et al., 2015, Landslide in Nakaya district, Otari Village and lateral spread in Horinouchi district, Hakuba Village triggered by North Nagano Prefecture earthquake (M=6.7) on 22 Nov 2014, Journal of the Japan Landslide Society (in press). National Institute for Earth Science and Disaster Prevention, 2000, landslide distribution map database.

Ozawa T, 2014, Development of InSAR analysis tool in National Institute for Earth Science and Disaster Prevention (series 3), JPGU2014, STT59-P12.

Keywords: earthquake, landslide, SAR, ALOS-2, PALSAR-2