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SSS66-P02

Room:Convention Hall

Time:May 26 18:15-19:30

Glacier avalanches in the Himalayan mountain region by 2015 Nepal earthquake

NARAMA, Chiyuki^{1*}; WATANABE, Honami¹; TADONO, Takeo²

We investigated slope response of cryosphere area in Himalayan mountain region (from central part of Nepal to western part of Bhutan) related to 2015 Nepal earthquake, using Landsat7/ETM+, Landsat8/OLI, and Terra/ASTER satellite data. Most slope failures of mountain area occurred within 160km from epicenter near Kathmandu. While large-scale event of snow and glacier avalanches occurred in the range of 200km distance from epicenter. The number of slope failure event was almost the same in north and south part of Himalayan range. Many slope failure was confirmed in Langtang region.

Keywords: Nepal earthquake, glacier avalanche, Himalayas

¹Niigata University, Department of Environmental Science, ²JAXA