

# Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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U022-11

Room:304

Time:May 22 17:35-17:50

## Forecast Experiment of Landslides Using a Cloud-Resolving Model -Case Study of Typhoon 0422-

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Forecast experiment of landslides caused by Typhoon 0422 in Yokohama city is performed by coupling a cloud-resolving model and an estimation model for occurrence of landslide disasters. Results of 11-hour forecast using initial data before the land on of the typhoon agreed well with the observation as for the typhoon track, but forecast of accumulated rainfall was underestimated by 33%. The success ratio of landslide forecast was 9.4% smaller than that estimated by Radar-AMeDAS rainfall analysis.

Keywords: rainfall, landslide, forecast