

Deep catastrophic landslide occurrence and heavy rainfalls

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Deep catastrophic landslide triggered serious damages. So, early-warning systems, as well as construction of countermeasures, for deep catastrophic landslide are important tools for disaster risk reduction. For development early-warning systems, it is important to clarify a critical rainfall amounts for deep catastrophic landslide occurrence. We analyses characteristics of recent deep catastrophic landslide triggered rainfalls. Using AMeDAS dataset, we showed that the number of rainfall exceeded 600 mm/48 h was around 250 in Japan.

Keywords: deep catastrophic landslide, rainfall amount, AMeDAS