

DEVELOPMENT OF TECHNIQUES FOR EMERGENCY MEASURES OF CURRENTLY ACTIVATED LANDSLIDES

Abstract : Taking measures immediately is necessary to prevent expansion of disaster level after landslide occur. Therefore it is important to grasp characteristics and movement of landslide, and carry out the effective emergency countermeasures as soon as possible. This study aims to develop the remote monitoring system for dangerous slope, estimation method of slip surface shape using several ground surface displacement vectors, and the technique of emergency measures of landslides. In this study, we improved the remote monitoring system. And we inspected the estimation method of slip surface shape. Moreover, we made the draft manual for emergency measures which involved the results of case study of emergency countermeasures.

Keywords : landslides, emergency measures, remote monitoring system, estimation method of slip surface shape