

Research about building information management system of sediment disaster by using geographic information system (GIS)

[Point]

Research was conducted for the purpose of suggesting assessment support system of occurrence risk of sediment disaster, especially that of mudflow associated with volcanic explosion. At the time of Usuzan explosion disaster in 2000, information that was needed by sediment disaster countermeasure expert team was organized and made into database, and a system with a function of displaying such information was built. This system was applied to the actual Usuzan explosion disaster, assessment support of risk in mountain stream around Usuzan was attempted, and the applicability and the issues were organized.

Keywords: GIS, mudflow disaster, Usuzan