

Development of a Hazard Mapping System Related to Meteorological Disasters

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We have newly developed a hazard mapping system related to landslides, strong winds, avalanches and rock-falls. Firstly, meteorological conditions, e.g. intensities of rain, wind and snow, are estimated based on meteorological simulation or weather statistics. Secondary, the hazards for railway are evaluated with consideration on topographical factors. Finally, the evaluated hazards are mapped on geographical information system. This hazard mapping system is helpful for engineers to find out the locations where they should make surveys and construct countermeasures against the disasters.