

Levee extraction method using the global DSM

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According to the IPCC Fifth Assessment Report, it is predicted that such as typhoons and heavy rain to increase in the future. Due to increase of typhoons and heavy rain, it considered the frequency of flooding will increase. We shall create a hazard map in order to suppress the flood. In areas where high-resolution DSM is not developed to be used SRTM and GDEM, but SRTM and GDEM have missing values. In this study, we propose a simple method of correcting the missing values. Using this method, it is possible to correct the missing values in a wide range of global.

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