

Assessment of climate condition effect on the inundation conditions

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Inundation simulation is very important for flood risk management to reduce the damage and economic loss and provide escape information of flood disaster. Climate conditions have impacted on the hydrological response and inundation conditions. In this study, the main objective is to reconstruct the inundation conditions under the climate change by using the output from PMP and GCM data. The results of this study play an important role on reconstructing the flooding and damage conditions, evaluating the effect of climate change on inundation conditions, providing the experiences of historical flood risk management and escape technology.