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HGG001-P03

Room:Convention Hall

Time:May 26 14:00-16:30

Environmental change of the middle and lower reaches of the Ayayawady river

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We focus to study of river morphology and natural environmental change for the middle and lower reaches of the Ayayawadi river. Firstly, the meandering index was constructed referred with Szuki's methodology and reconstructed the meandering process on the Japan Army map published 1960's. After that the remote sensing data (ETM and TM images) produced by NASA in 2000 was analyzed meandering process and we compared with 60years river morphologic change of the Ayayawady river. Compared with geomorphologic land classification map of the Ayayawady river basin, the meandering index was evaluated for 11 segments and the changing ratio during recent 60years is clarified.

Keywords: Ayayawady river, meandering, environmental change