

EVALUATE CHANGE OF AGRICULTURAL LAND IN HUONG TRA TOWN, THUA THIEN - HUE PROVINCE PERIOD 2002-2013 BY REMOTE SENSING AND GIS TECHNOLOGY

Nguyen Van Binh, Ha Van Hanh, Ho Kiet

Summary

Landsat classification result of 2002 and 2013 based on the method of maximum likelihood classification that Kappa index are 0.94 and 0.96. Image classification result after treatment transferred into Mapinfo 11. software to edit the map use current of agricultural land in 2002, 2013; map use change of agricultural land period 2002-2013 in Huong Tra town in scale 1:25,000. In this period 2002-2013, change of agricultural land concentrated in plantation, natural forestry, perennial. Mainly decrease area was natural forestry by building two hydroelectric Huong Dien and Binh Dien. Area of agricultural land increased quickly by development of reforestation projects such as 661, JBIC, WB3 and agricultural diversification.

Key words: *Landsat image, remote sensing, geographic information systems, agricultural land.*