

LAND USE / LAND COVER CHANGE DETECTION BY MULTI-TEMPORAL REMOTE SENSING IMAGERIES: BANGALORE CITY INDIA (1992-2012)

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ABSTRACT

Land use and land cover (LULC) changes is a dynamic, widespread and accelerating process, mainly driven by natural phenomena and anthropogenic activities, which in turn drives changes that world impact natural ecosystem. Change detection is one of the landscape ecological aims. Main aim of this study is to prepare land use land cover and their change detections by using remote sensing and GIS techniques. This paper presents the land use/land cover changes that have taken place in Bangalore, from 1992 to 2012. The study has been done through Landsat & IRS imagery from 1992, 2000, 2004, 2005, 2006, 2009 and 2012. The land use and land cover classification maps were prepared through remote sensing and GIS technology. The results indicate that there was a significant increasing trend in built up land and decreasing trend in agricultural land.

KEYWORDS: Land Use/Cover, Change Detection, Urbanisation, Remote Sensing, GIS