

Remote sensing and application of GIS in natural resources management with reference to land-use/land-cover in the state of Goa

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In recent years, tremendous advancements in the field of space technology have triggered the use of scientific and technical expertise/utility in exploring the possibilities of remote sensing and its application as a tool towards attaining an optimum sustainable management of the available natural resources. Keeping this view in mind, an attempt has been made to reveal the hidden treasure and to understand the utility of the remotely sensed data to interpret the status of 'land-use/land-cover' of Goa as well as its geographic information system capabilities. While doing so spatial database has been integrated with the non-spatial database through a, SDSS (Spatial Decision Support System) to understand the site-specific action plan. The present study does not involve a time series component (that is, interpretation of remotely sensed data and its analysis pertaining to two different seasons) to comment on seasonal or spatial variation in land-use/land-cover classes.