

MAPEAMENTO MULTITEMPORAL DE ÁREAS DE SALINAS A PARTIR DE FOTOGRAFIAS AÉREAS E IMAGENS DE ALTA RESOLUÇÃO ESPACIAL

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ABSTRACT

The present study is part of preliminary results of temporal mapping of the surroundings of the Araruama Lagoon. The mappings were elaborated using remote sensing and geoprocessing techniques, using historical aerial photographs of the year 1976 and scenes of World View 2 satellite images from the year 2017. In this way, georeferencing, segmentation and visual classification processes were carried out in order to identify the saline areas, as well as their substitutions for new uses. As a result, thematic maps of 1976 and 2017 were generated, allowing the analysis of the saline distribution to the lagoon environment, in a temporal perspective, and it was possible to identify where the main substitutions of uses occurred. Thus, the study makes it possible to analyze the areas where regenerations of natural vegetation are occurring and the areas that undergo real estate speculation, providing the growing urban advance over the salines.

Keywords: Aerial Photograph, World View, Georeferencing, Classification, Saline.