Mapeamento de formações campestres nativas e de pastagens cultivadas no Cerrado brasileiro utilizando mineração de dados

Wanderson Costa, Leila Fonseca e Thales Korting

Cerrado is the second largest biome in Brazil. Among the use and land cover changes in the Cerrado, over 500,000 km² of the biome have been transformed into cultivated pastures in recent years. Discrimination between the native formations and the identification of types of land use and cover in the Cerrado are important information for monitoring and protection policy of the biome. Within this context, this work aims at developing a methodology based on remote sensing techniques, including multiresolution and multitemporal data fusion, and data mining, to map pasture and native vegetation areas corresponding to the physiognomies of Campo Limpo, Sujo and Rupestre in the Brazilian Cerrado.