

THE USE OF GIS FOR PRODUCING MANAGEMENT PLANS FOR
CONSERVATION UNITS: THE CASE STUDY OF THE PARQUE NACIONAL
DA TIJUCA, RIO DE JANEIRO, BRAZIL

Cristiane Nunes Francisco; Jorge Xavier da Silva
Universidade de Sao Paulo; Universidade Federal do Rio de Janeiro
BRAZIL

This paper presents the development of a specific Management Plan (MP) for a Conservation Unit (CU) using reprocessing techniques and how to extend this knowledge to other similar situations. This work is based in a well- tested methodology available at the Reprocessing Laboratory of the these projects demand s great material and human effort. In this context, the use of reprocessing techniques, specifically the Geographical Information Systems (GIS), optimizes the Maps' development through its computability of storage and handle of a great amount of environmental data. The Parquet National dá Tijuca, the world's biggest urban expansion. Among these problems we may emphasize: mass movement, deforestation and the growth of the slums. These problems were mapped and the risks of occurrence were evaluated and made available. Based on these information's, the management rules and CU's zoning were defined. As final concert, due to the richness of situations studied; this methodology proved to have robustness and consistency, thus being suggested to be applied in the development of other MPs.