

Development of an Integrated Model of Spatial and Temporal Occupation Patterns of the Landscape in Mining Areas with a View to Sustainable and Integrated Management of Natural Resources: Case of the Sub-prefecture of Daramagnaki, Prefecture of Téliélé

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ABSTRACT

The Republic of Guinea located in West Africa is one of the countries of the continent whose landscape is full of natural resources of interest in terms of ecology, energy, economics, tourism, culture, etc. due to the diversity of reliefs, the potential of natural resources (land, water, forests, fauna, hydraulic energy, etc.) and biodiversity as well as the reserve of the subsoil (bauxite, gold, diamonds, etc.). The sub-prefecture of Daramagnaki which is the subject of this study, is one of the sub-prefectures of the country which abounds at the same time in the resource of the basement (bauxite) and a landscape of high importance in natural resources both on economically, culturally and socially. These resources have national and local political, ecological and social interests. The pressures on natural resources, their integrated and sustainable management remains a major challenge for the municipal authorities of the sub-prefecture. It is to meet the needs of the integrated and sustainable management of these natural resources that it is necessary to develop this project. The development of this research on the basis of the literature review, surveys (qualitative and quantitative), research, observations and experiments in the field through the tools and software developed for the mapping and monitoring of natural resources will allow to achieve the expected results of the project which are:

1. Flows of natural resources studied and analyzed.
2. A spatial occupancy plan of the initial state of the study area developed.
3. A mapping of the stakeholders involved in the integrated management of the landscape established.
4. An integrated spatial landscape management model developed.

Keywords: Prefecture of Téliélé, Landscape management, Natural Resources

