Coastal Area Management Programme (CAMP) EGYPT

List of documents/publications available in hard copy upon request:


The document presents Strategic Environmental Assessment of the Integrated Coastal Area Management Plan of the Fuka-Matrouh Area. Under the conditions of the study area, nature, and the limiting factors (water, energy, rare and endangered species), an integrated coastal area management plan was designed. One of the most important plans, which should be implemented immediately, is the socio-economic awareness programme. Programmes of water supply, institutional capacity building, and land use planning, together with preservation of cultural and ecological sites, must be developed concurrently in an integrated fashion. Strategic environmental assessment study was implemented by using the matrix method for identifying environmental effects and impacts. Results indicate that the most significant positive impacts are due to the development of transportation systems upgrading of awareness, and better employment of local people. The most important negative impacts may be attributed to pollution due to tourism and associated waste. The alternatives for actions in the study area are very limited. There are no alternatives of significant importance of traffic infrastructure (airport, road network) development. Suitability analysis based on GIS, associated with integrated coastal area management, can enhance a comprehensive vision of development in the study area. The study proposes following measures to mitigate the most prominent problems: (1) three plantation to protect against wind storms and air pollution from traffic; (2) wastewater recycling units for each resort; (3) cultivation of the hinterland to reduce transportation of goods in the summer and reduce pollution, and (4) minimising quarrying to reduce pollution and protect hinterland from wind action.


In the framework of the MAP’s activities concerning the Fuka-Matrouh CAMP, the CTM-RAC/ERS oriented its intervention towards the provision of basic information on geomorphology, pedology and vegetation, and presented it in cartographic format - in order to allow the assessment of land resources in the area. The CTM-RAC/ERS application, it has been demonstrated the time and cost effectiveness of the methodology of integrated survey which relies on the most suitable combination of different observation tools and thus strongly supported by a multidisciplinary approach. The general objective of the proposed activity was the implementation of a multidisciplinary application through which information on land resources could be obtained, in particular, taking into account several parameters concerning land forms, natural vegetation distribution, and soil characteristics. Such a multidisciplinary approach is based on the application of advanced techniques - like space remote-sensing - and on their most suitable combination with direct in situ measurement. The results of the CTM-RAC/ERS intervention allowed to obtain useful information on the Fuka-Matrouh region, necessary to planners and decision-makers for the evaluation of land suitability to different potential uses.


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The following computer models for assessing land suitability for various uses are presented: 0-1 model; linear weighted model; penalty points model; and PROMETHEE, method of multicriterional analysis.


This paper was prepared for the needs of the MAP-PAP project of integrated planning and management of the Fuka-Matrouh coastal area, and provides updated knowledge and data on all aspects relevant for the project, i.e.: a brief description of the area, activities of international organisations, statistical data on the area, description of the state of the environment, review of coastal area protection measures at the national level, review of national institutions dealing with the protection of marine environment against pollution and erosion, review of the draft Law on Environmental Protection, review of water resources, state of soil erosion, and a note on GIS.


The paper describes an exercise in using the ArcView computer application and its most important features.
This document represents the practical example of the use of the pcARC/INFO software within the integrated management of coastal areas. It describes an information system for assessing compatibility between urban activities and the natural environment. It is intended for GIS experts and presumes a certain knowledge on GIS and the pcARC/INFO software.


The need for user interface and its basic properties are briefly described.


As a result of the uncontrolled human presence and extensive exploration in the Mediterranean basin, where the harmful impacts of these actions are visible all over the region - a world-wide concern has developed regarding how to deal with conflicts over land use policies, how to apply the principles of sustainable development, and how to introduce an integrated coastal and marine areas planning and management. The area covered by the ICAM Planning Study is the section between the village of Fuka and the town of Marsa-Matrouh, approximately 70 km wide. The final product of the activity is the ICAM Planning Study providing strategies and management guidelines as a framework for a more detailed coastal management and land use planning to be undertaken in the second phase. This document is the result of the first phase, based on a participatory process as well as on sectoral reports and research findings. This study process has been based on the MAP/PAP guidelines. The principal goal of this document is to provide a safe ground for the whole process of cutting across sectoral boundaries, and incorporating the interactions between the coastal natural resources, and those of socio-economic influences affecting the coastal environment. The structure of the report is moving through the following steps: context, goals and objectives; methodology; the area profile, constraints and opportunities; proposed alternative scenarios; and certain conclusions addressing strategic EIA, Carrying Capacity Assessment proposals for a structure plan, as well as planning and management tools and guidelines.


Prepared for the needs of the project of integrated planning and management of the Fuka area, this paper presents the profile of the area and all its important characteristics.