

The Study of Establishing the Model of Designating Coastal Conservation Areas

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Abstract

This study aims at the two themes of the coastal environment and cultural landscape in Taiwan, learning from the domestic and overseas experience, combining the features of region, establishing the principles for designating the coastal reserve areas and under the condition of satisfying the goals of environmental protection and preservation of cultural assets, to protect, conserve and preserve the environment and culture assets which are mostly worthy to be protected. By the means of GIS environmental database to integrate the resources, introducing fuzzy theory and multicriteria decision analysis to perform expert questionnaires and the algorithm for conversion. Finally, based on the importance of their spatial ranges of location, the coastal reserve areas are designated at different rates, the spaces of the resources are effectively allocated in the most suitable ways and this can be used as a reference for future studies of coastal ecology conservation.

Keyword : Coast Zone, Environment Resources, GIS, Coastal conservation area