

以GIS探討農地地景結構變遷之研究-以竹北市為例

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摘要

Hsinchu County in recent years due to the development of fast, to change the territory of increase in the surface landscape, among the fastest growing Jhubei City. Chupei City in the distribution of agricultural land was agricultural land policy, industrial shift gradually reduced, was a sporadic and parcel, the impact of the ecological habitat space, and indirectly to the destruction. In addition to providing agricultural land to grain, will improve the protection of the original biological habitat, so this study will be based on landscape ecology theory, the use of eight-0 of the aircraft's according to plan so far, through the Geographic Information System GIS and AUTO CAD software analysis, to explore the overall Jhubei City Landscape changes in the trend of agricultural land, and agricultural land where development should be limited in order to protect the environment and the protection of the natural ecology. The results of this study will provide the development potential of the reference value, to provide Jhubei City future land use development policy frame of reference. Spatial scales from Chupei City, where they can understand the need to preserve the landscape of agricultural land in order to protect the ecological landscape down to the level of habitat fragmentation, and to provide specific data to be falling blocks to strengthen and maintain the focus, such as embedded block density, diversity index, In addition to the total control the entire scope of the study, but also assisted in the cell block to development, management, maintenance, etc..

關鍵字：farm landscape , change , landscape ecology, GIS