

# 行動 GIS 應用於農地重劃區土地使用現況調查與分析

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## 摘要

為了解行動 GIS 於農地重劃區土地使用現況調查作業上之實用性，本研究以 99 年完成之彰化縣「草港尾農地重劃區」進行測試，以應用行動 GIS 所獲得之成果圖與彰化縣政府調查之成果圖進行比對分析。研究證實：一、應用行動 GIS 所獲得之現況成果圖與彰化縣政府調查之成果圖不但相當吻合，圖面清晰且能一目了然，可提高土地分配結果之正確性，並可減少土地分配之爭議。二、證實應用行動 GIS 之調查方法，比傳統的調查方法有真實性高、效率高、受天候之限制小、資料保存容易、不佔空間、較環保佳等優點。

(關鍵詞：行動 GIS、農地重劃、土地使用現況調查)

## Application of Mobile GIS on the Farmland Readjustment Area Land Use Inventory Survey and Analysis

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## Abstract

In order to understand mobile GIS's practicability in farmland readjustment area land use inventory survey operations, the research took Changhua County "Caogangwei farmland readjustment area" completed in 2010 to do the test, and did the comparison, contrast, and analysis on the achievement chart obtained after applying mobile GIS and the achievement chart of survey made by Changhua County Government. The research proved that: 1. The achievement chart obtained after applying mobile GIS and the achievement chart of survey made by Changhua County Government not only considerably matched, the pictures were distinct and clear at a glance, being able to increase the correctness and decrease the dispute of land distribution and allotment; 2. Comparing to a traditional method of survey, the survey method of applying mobile GIS has the advantages of high authenticity, high efficiency, being slightly limited by the weather, easy data preservation, not occupying the space, and comparatively more environmentally-friendly.

(Keyword : Mobile GIS, farmland readjustment, land use inventory survey)

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