

摘 要

2009 年的莫拉克風災，造成台灣中南部及東南部發生嚴重的水患及土石流，地形與地貌的變異，有賴歷年的航照影像進行比對。為了讓水土保持局(以下簡稱水保局)及轄下各分局，能快速瀏覽歷年來大量的高解析度數位影像，同時有效管理影像資料庫，讓水保局同仁們能便捷地申請及取得影像圖資，本計畫將建置一套分散式高速影像倉儲系統，管理水保局既有之 GIS 圖資及高解析數位航遙測影像，並結合圖資資料庫，以提供前端地理資訊系統存取應用分析，期能有效提昇水保局圖資應用之便利性及整合性，以利各項業務辦理品質及行政效率。

關鍵詞：影像倉儲、自動派送

Abstract

The Typhoon Morakot in 2009 caused serious flood , mudflows and landslides in the south-central and southeastern part of Taiwan and made huge changes in terrain and landform . Aerial images are in demand to help compare landform variations in the different periods . In order to allow Soil and Water Conservation Bureau (SWCB) staff to view the high resolution aerial images smoothly and to manage the image database effectively , as well as for the convenience of application and acquisition of the image datasets , the project aims to build a high-speed distributed image server system to manage the existing GIS files and high resolution aerial images owned by SWCB . Combined with the spatial database , the Sending System can be accessed , used and analyzed from the client , furthermore , it were to prompt the convenience and integration in applying these spatial and image datasets by SWCB for better operational quality and administrative efficiency .

Keywords : Image Warehouse 、 Sending System