淺談水土保持中之環境友善措施及工法

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摘　　要　健全生態系統及功能保育與國土保全息息相關，如何於工程施作亦兼具防災與生態效益為保育治理工作之重要課題。水土保持工程多設置於集水區與淺山地區，在這些區域裡，生物活動與人類有著非常密切的關係，本研究收集在工程生命週期的觀點下，不同階段之生態考量所需釐清之課題、應進行之保育措施以及運用之工法，並以案例說明歷經現場勘查、民眾參與、棲地評估以及繪製生態敏感地圖等方式，提出具體環境措施、工法選項，同時，透過生態紀錄追蹤、評估，各階段生態系統的衝擊率、復育率，探討友善措施執行的成效與改善。

關鍵詞： 環境友善措施、工程方法、工程生命週期、民眾參與

Environmentally friendly measures and methods in soil and water conservation

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ABSTRACT Conservation ecosystem are related to homeland security. An important issue is to create disaster prevention projects with ecological benefits. In field of soil and water conservation, the engineering is located in the catchment area and the low elevation mountains, and biological activities in these areas have a very close relationship with humans. This study takes of the engineering life cycle, Ecological considerations at different stages need to be clarified, the conservation measures to be carried out and the methods of application. This case shows exploration, citizen participation, habitat assessment, and mapping of ecologically sensitive maps, and propose specific environmental measures, construction options. Exploring the effectiveness and improvement of environmental measures, tracking and evaluation of ecological records, and the impact rate and re-incubation rate of ecosystems at various stages as indicators.

Key Words: Environmentally friendly measures, Engineering method, Engineering life cycle, citizen participation.

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