

多期影像探討都會區山坡地環境地質災害與致災因子

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摘要 由於近年來地球之氣候環境改變，造成之異常氣候導致颱風豪雨不斷侵襲臺灣本島，致使山坡地地質災害不斷發生，坡地地形地貌隨之影響改變，又因都會區人口密集，而坡地災害常導致人民生命與財產的損失。有鑑於此，本研究透過前後不同期正射影像之判釋分析，針對不同之環境地質災害類型(如淺層崩塌、落石、地滑、土石流等)與其致災因子(如活動斷層、侵蝕、順向坡、棄填土區等)，進行比對及統計整合，結果可深入了解都會區易發生之環地災害類型、災害發生頻率與災害分佈狀況，冀望本資料能提供山坡地防災、坡地開發審議、都市規劃之參考。並使都會區民眾或開發單位能夠瞭解山坡地環境地質狀況，避開易致災地區，以減輕或預防都會區之坡地災害發生，進而達到坡地安全及良好居住環境之目標。

關鍵詞：環境地質災害、致災因子、淺層崩塌、地滑。

Using Multi-period Images to Explore the Environment Geological Disasters and their Leading Factors in Metro Area.

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ABSTRACT The abnormal climate of Earth has made the typhoon and heavy rainfall occurred often in Taiwan island. These situations caused topography changed and hill-slope disaster happened. The disasters will bring about property damage of people when happened in the Metro Area. For this reason, using multi-period images to explore the environment geological disasters (i.e. shallow collapse, rock fall, landslide, mud-flow) and their leading factors (i.e. activity fault, erosion, dip-slope) can help us to comprehend the hill-slope disasters of type, probability and distribution which are more easily to occur. This information could be the reference material for hill-slope disaster prevention, slope exploration and urban planning. And it is helpful to development departments and people who live in Metro area to lean what is the environment geology and stand away from the disaster area.

Key Words: Environment Geological disaster, Leading Factors, Shallow Collapse, Landslide.

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