

## ABSTRACT

This research used the cultural park of indigenous people at the Pingtung County as an experimental site. Investigate, study and judge the collapse reason and scale of the slope landslides along visiting road of this park, proposition the preliminary reconstruction concept, and as follow-up administration reference regarded of administration bureau in the garden. The investigation result finds because the garden is near the Chaozhou fault and its geological condition relatively bad, it's really has many potential slope landslides question around here. Especially continually meeting ultra torrential rain influences, some areas have already caused the situation of road to stop up, crack or sink. Besides should handle and divide the reconstruction planning, design and construction annually by stages with higher speed. Extensive slope landslide area still need more detailed investigation, monitoring and assessment. Thus it's should better for manage in order to probe into slope sliding mechanism.

**Key words:** Landslide, Slope land, Cultural park, Investigation

## 一、前言

行政院原住民族委員會原住民族文化園區係位於屏東縣瑪家鄉與三地門鄉交界之隘寮溪南岸，佔地約 83 公頃。園區因地處三地門、瑪家與霧臺等三個原住民族鄉鎮對外交通之樞紐地帶，且附近均為排灣與魯凱族群聚之村落，深具原住民族文化特有氣息，自然景觀極為俊美且富變化。因此基於特有原住民的文化保留與考量原住民族文化園區永續經營之目的，對於原住民族文化園區內發生之潛在災害必須審慎調查評估，以朝向提供與保障原住民族文化園區之原住民族文化維護、園區整體營運與遊客遊憩安全之多目標經營。

2006 年 1226 恆春地震後，園區周邊並未出現明顯的地層錯動、邊坡崩塌或下陷情形。然 2007 年 8 月份受到接二連三颱風與超大豪雨之侵襲，致使園區周邊山坡地嚴重受創，其中又以 0809 水災、0813 豪雨及聖帕颱風挾帶之連日豪雨迫使瑪家雨量測站創下 200 年來新高紀錄為最，其單日雨量達 1,000 mm 以上；導致原住民族文化園區內及通往霧臺鄉好茶村道路多處邊坡發生嚴重崩塌與土石流災害，2008 年的颱風豪雨更促使修復完成道路再次坍塌受創，研判園區仍有許多潛在的坡地災害存在，基於安全、保育、景觀及永續經營觀點，乃針對這些邊坡問題期能進行評估瞭解。

## 二、試驗材料與方法

### (一) 試區概況

本文係以行政院原住民族委員會原住民族文化園區為研究對象（其位置如圖 1 所示），原住民族文化園區位於屏東縣瑪家鄉境內，以隘寮溪與三地門鄉之三地村隔河相望。其範圍西起北葉村入