

韌性社會之基礎建置與評估

Construction and Evaluation of Resilient Society

主管單位：科技部

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摘要

本計畫以社會及經濟相關的災害管理（management）或治理（governance）的基礎資料建置及評估技術開發為主要目標，主要有三個子計畫。其一，因應聯合國《仙台減災綱領》提出各類利害關係者的觀點為 2030 年以前各國減災努力應該考量的項目，以及聯合國《身心障礙者權利公約》亦包含災害治理重點，也為行政院遵循之公約，故本計畫的工作項目包含身心障礙者災害管理對策。其二，2019 年為莫拉克颱風十週年，加上《仙台減災綱領》的優先工作包含對復原重建工作的事先準備，故莫拉克災後十年調查亦為本計畫工作重點。其三，經濟方面，《仙台減災綱領》的目標之一包含減少因為災害造成的損失，這個面向亦為臺灣災害管理研發工作所欠缺的，故納入為本計畫工作重點。

子計畫身心障礙者災害管理對策，完成身心障礙者（第七類：肢體障礙者）個人災害管理對策之手冊。子計畫莫拉克颱風災後十年復原重建，建立莫拉克颱風災後十年復原重建調查資料 1 份。子計畫地震災害經損評估模型研發於 TLAS 系統中建立 1 組地震之住宅經損模式；發展農業災損評估系統，提供各縣市政府農業處使用，以進行災害示警和查詢歷史農作物損失。

關鍵詞：身心障礙者災害管理對策、地震之住宅經損、農業災損評估、莫拉克颱風災後十年復原重建調查

Abstract

The project aimed at establishing socioeconomic basic data for disaster management or governance and developing assessment technology for socioeconomic impacts. It included three subprojects. First, is in response to the United Nations' Sendai Framework for Disaster Risk Reduction 2015-2030, as well as the United Nations' Convention on the Rights of Persons with Disabilities, which is followed by the Executive Yuan in Taiwan, one subproject included developing disaster management countermeasures for people with disabilities. Second, the priority work of the Sendai Framework for Disaster Risk Reduction 2015-2030

includes “Build Back Better” in recovery. The year 2019 was the tenth anniversary of Typhoon Morakot. Therefore, the second subproject conducted a survey on Recovery of Typhoon Morakot after Ten Years. Third, economically, one goal of the Sendai Framework for Disaster Risk Reduction 2015-2030 is to reduce the losses caused by disasters. The third subproject was to develop methods to calculate disaster losses in Taiwan.

Some achievements of this project include finishing writing a manual of disaster management strategies for physical disabilities and establishing survey data of Recovery of Typhoon Morakot after Ten Years. Other achievements include developing a model to calculate household building loss after an earthquake and developing an agriculture loss assessment system which allows local governments to send out warning messages and search for historical loss records.

Keywords : Disability management countermeasures for people with disabilities, Earthquake loss, Agriculture disaster loss assessment, Survey on recovery of Typhoon Morakot