

韌性社會之分析模式研發

Methods and Tools to Analyze a Resilient Society

主管單位：科技部

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摘要

本計畫呼應聯合國《仙台減災綱領》、《身心障礙者權利公約》提及的災害治理重點，以特定需求者、經濟損失資料與模式、社會面的資料與模式為研發主軸，計畫項下分為三子計畫，名稱分別為「長照機構災管計畫產製工具研發」、「地震道路經損函數研發與 TLAS 擴充維運」、「減災資料互動平台擴充維運與宣傳」。

在特定需求者方面，針對已研發「防災易起來—長照機構災害管理平臺」，並廣為社福機構、護理之家所使用。本年度依據 2018 年的調查結果規劃工作重點為研發社福機構、護理之家可使用之災害應變計畫產製工具。

經濟損失資料與模式方面，針對已建置之 TLAS 系統以颱風損失評估模組為主，本年度開始在 TLAS 裡建置地震建物損失評估模組，完成建置 2007 年以前之地震損失資料。研發地震道路經損函數、持續研發農作物損失模型、建立農作物於颱風事件下的致災門檻。

社會面的資料與模式方面，於 2019 年完成「減災動資料網站」(以減災資料為主)，其內容包含莫拉克颱風復原重建四年期調查資料展示與下載、歷年社會脆弱度資料展示與下載、歷年撤離與收容人數展示與下載、撤離收容人數與物資推估功能等等。今年度除針對莫拉克調查資料，新增以各別縣市、永久屋為主的專區，主要工作為擴充系統功能及宣傳整個「減災動資料」網站。

關鍵詞：長照機構、地震道路經損、減災

Abstract

Responding to the United Nations "Sendai Framework for Disaster Risk Reduction" and the Convention on the Rights of Persons with Disabilities, this project focused on people with access and functional needs, as well as the establishment of social and

economic data, models, and tools for disaster management. For people with access and functional needs, this project developed an online tool that guides managers of long-term care facilities to generate their disaster management plans. Economically, this project added a model to assess building loss as well as earthquake loss data before 2007 in Taiwan Disaster Loss Assessment System (TLAS). This project also developed a method to assess road damage from earthquake and improved the methods to assess loss and set up disaster declaration thresholds of different types of crops.

Socially, in this year, this project promoted the DRRstat website established last year. This project also added new pages on the DRRstat website which showed counties/cities- and permanent houses-based statistics.

Keywords : Long-term Care Facilities, Road damage from Earthquake, Disaster Risk Reduction

