

## 減災社經資料與工具之建立

### Collecting Socioeconomic Data and Developing Tools for Disaster Risk Reduction

主管單位：科技部

李香潔<sup>1</sup> 吳郁珮<sup>1</sup> 簡頌愷<sup>1</sup> 李欣輯<sup>1</sup> 陳怡臻<sup>1</sup>  
Hsiang-Chieh Lee Yu-Ping Wu Sung-Ying Chien Hsin-Chi Li Yi-Chen Chen  
鄧傳忠<sup>1</sup> 陳素櫻<sup>1</sup> 楊惠萱<sup>1</sup> 林美君<sup>1</sup> 許秋玲<sup>1</sup>  
Chuan-Zhong Deng Su-Ying Chen Hui-Hsuan Yang Mei-Chun Lin Chiu-Ling Hsu  
廖楷民<sup>1</sup>

Kai-Min Liao

<sup>1</sup> 國家災害防救科技中心

#### 摘要

本計畫呼應聯合國《2015-2030 仙台減災綱領》、《身心障礙者權利公約》，研發主軸包含災害特定需求者、經濟損失資料與模式、災害社會面向的調查與研發。特定需求者方面，110 年度研發聽障與視障二類別身心障礙者災管對策，並推廣「肢障者災管萬年曆」與「長照機構災害管理計畫產製工具」。經濟損失資料與模式方面，110 年度建置颱風洪家戶經濟損失速報模型、地震災損資料庫與更新颱風損失資料等。社會面向的調查與研發方面，工作重點包含增加莫拉克颱風復原重建第五期調查資料、規劃 0823 豪雨調查視覺化成果展示、減災動資料網站的優化與新功能擴充。

**關鍵詞：**身心障礙、地震災損、復原重建、減災

#### Abstract

This project echoed the UN's 2015-2030 Sendai Framework for Disaster Risk Reduction and the Convention on the Rights of Persons with Disabilities. In 2021, we developed disaster management strategies for the hearing or visually impaired persons, and promoted a perpetual calendar published in 2020 which includes disaster management strategies for the physically disability and a web-based tool to produce disaster management plans for long-term care institutions. We also developed a method to quick estimate household economic loss from typhoon floods, established an earthquake disaster loss database, and updated typhoon loss data. Moreover, we visualized and published the survey data results of the Typhoon Morakot recovery survey, planned the visualization of the results of the 0823 Heavy Rain Survey, and added new functions of the DRRstat website (<https://drrstat.ncdr.nat.gov.tw>).

**Keywords:** disabled people, earthquake disaster loss, disaster recovery, disaster risk reduction