

支援災害應變情資研判作業

Supporting the Situation Assessment of Emergency Operation

主管單位：國家災害防救科技中心

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摘要

根據行政院中央災害應變中心作業要點規定，國家災害防救科技中心負責中央災害應變中心情資研判組召集。當中央災害應變中心開設時，本中心需啟動應變小組進行支援。為了應變情資研判支援工作，首先需針對去年應變過程進行檢討，並調整組織與工作流程，同時配合今年的應變重點安排教育訓練強化應變作業能力。本年度組織沿用去年綜整組、研判組、訊息組與支援組，配合地震應變需求亦進行微調。服務地方情資技術研發部分，配合大數據與開放資訊的政府政策，災防科技中心與高雄大學合作嘗試利用雲端與邊緣運算架構，開發預警情資的子服務系統。將現地雨量資訊與水利署公布的第三代淹水潛勢圖進行整合，開發各縣市快速淹水風險判識技術，可供地方政府於應變期間快速了解在地淹水風險。在近年防災與應變的實務上發現，極端颱風災害事件的發生，常常造成相當大的社會衝擊，也導致政府遭受莫名的輿論壓力。因此利用新發展的預警技術、國外相關預報資訊與災害衝擊的資料，強化原有的寒害與旱災預警技術。

關鍵詞：災害應變、災害管理、災害

Abstract

According to the operation directions of the Central Emergency Operation Center (CEOC) of the Executive Yuan, the National Science and Technology Center for Disaster Reduction (NCDR) is assigned to be responsible to lead the situation information assessment team. When the CEOC is to be operated, the response team of NCDR is activated for supporting integration of the situation information. In order to improve the situation assessment jobs of CEOC, NCDR need to review and adjust the process of supporting last year. The organization of emergency response team in NCDR is same with last year, these teams included the final integration, disaster assessment, social media search and special support team. Because the COVIN-19 affected, the seminar of the situation information assessment are changed to the synchronous online learning. Due to the enhance of local government situation information service, following the Big Data and Open Data policy, the NCDR is cooperated with NUK to develop the cloud subsystem for early warning information. The rapid flooding risk identification technology for county developed with integrating the real-time observed rainfall data and the third generation potential inundation map. This technology could support to local government to control the flooding risk location during the emergency operation period. In practice for disaster emergency response and prevention in recent years, the serious disaster impacts were occurred by extreme typhoon and heavy rainfall, also caused the government to suffer inexplicable pressure from public opinion. Therefore, the use of newly developed early warning technology, foreign related forecast information and disaster impact data, strengthen the original cold and drought early warning technology.

Keywords : disaster management, emergency operation, disaster.