

The Application of Disaster Reduction Service Platform for Information Sharing and Coordination

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ABSTRACT

Due to it has a unique geographic location, Taiwan exposes a wide range and high risk of natural disasters, such as typhoons, floods, landslides, debris flows, and earthquakes, and the frequent occurrences of natural disasters often result to serious damage and loss of lives and properties. Integration of disaster-related information, such as data and models, and the analysis and application of the information are crucial to reduce the damage caused by natural disasters.

To provide integrated and comprehensive-solutions from all government resources, the National Science and Technology Center for Disaster Reduction (NCDR) offered an Application Service Platform for of Disaster Reduction for governmental agencies and nongovernment organizations to augment early warning and evacuation operations with technology, and to introduce disaster analysis information systems for disaster prevention. NCDR also integrated digital disaster data with real-time synchronization from other agencies. This study will describe how the service application platform of disaster prevention and rescue is used to integrate various data in the response processes and employs related systems to provide users real-time information as a reference for subsequent decision-making.