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Practice of interdisciplinary integration on Taiwan debris flow disaster management- debris flow disaster response system of Soil and Water Conservation Bureau

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Taiwan has been suffering from debris flow disaster during rain seasons in the past decade. The Soil and Water Conservation Bureau (SWCB) has projected a disaster response integrated system of debris flow disaster response center since July 2001. By Geographic Information Systems (GIS), Internet, satellite communication, and mobile monitoring techniques, the staff in the response center can obtain the latest weather data anytime and predict the timing of debris flow warning declaration. Additionally, this response system has become an example to diverse disaster response in Taiwan. This article interprets how Taiwan integrates these advanced techniques to proceed debris flow response and also provide a way to sustained development.