Geophysical Research Abstracts, Vol. 8, 07209, 2006 SRef-ID: 1607-7962/gra/EGU06-A-07209 © European Geosciences Union 2006



## The Method and Process of Debris-flow Hazard-zone Mapping used in Taiwan

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A larger number of debris flows have occurred in Taiwan in last two decades, especially after Typhoon Herb. Debris flows in Taiwan were mainly triggered by typhoons that usually brought heavy rains, thought earthquakes also played a major role in contributing to the accumulation of colluviums, which could convert under heavy rains to debris flows. In addition to typhoons and earthquakes, many other intrinsic or extrinsic factors related to the land and its habitants affect the frequencies and magnitudes of debris flows. The central Government in Taiwan has played a leading role in sponsoring debris-flow research and developing a comprehensive program for the mitigation of debris-flow hazards, including structural debris-flow countermeasures and warning systems, and non-structural debris-flow countermeasures. Identification of debrisflow-prone streams and hazard-zone mapping of the debris-flow hazard-zone mapping used in Taiwan is presented in this paper.