

Geohazard Information: An Indispensable Tool for Land Use Planning and Disaster Risk Resiliency Implementation

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Abstract

The Philippine archipelago is situated in a tectonically complex and active region along the typhoon belt in the Pacific. This makes the Philippine prone to natural hazards such as rain-induced landslides and floods.

Several significant geohazard events that happened in the Philippines have prompted the Government to take a serious step in having a program to establish a database for the country's geohazard affected areas. The information can be used for the disaster risk resilience programs of the local government units that will reduce and manage risks and uncertainties attributed to meteorological events such as tropical cyclones and monsoon rains which trigger landslides and floods.

The program which is the National Geohazard Assessment Program of the Mines and Geosciences Bureau mandated the conduct of geohazard mapping for the country. Since its inception and implementation in 2005, the program has continued until today with all its modifications and improvements.

This paper presents the significance of the data and information generated from the program's implementation in the disaster risk resiliency efforts of the local government units which bear the brunt of geologic hazards.

Keywords: Geohazard information, disaster risk resiliency