



## **Geo-diversity as an indicator of natural resources for geopark in human society**

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### Abstract

Geo-diversity is a concept of richness and number of different landscapes in a small area. The higher geo-diversity the potential attraction is higher. Many geoparks will make use of those landscapes for sustainable development.

The purpose of this study is trying to evaluate the geomorphic resources for geoparks in Taiwan.

For the sustainable development, the concept of geopark is one of the tool for the development of society. The evaluation of geo-diversity helps our understanding of local resources and for future management. Therefore, the geomorphic resources should be evaluated systematically and aim to help the sustainable development of the geopark.

The indicators of geo-diversity can be classified into four characters to review: 1. number of landscapes within geopark; 2. accessibility to the sites of geopark, 3. dynamic processes of the landforms, 4. method of landform evolution.

Taiwan geoparks should make use of these four characters for conservation, management and education purposes. Yehliu, Matsu and Penghu geoparks are three typical cases for demonstration in this paper.