

Application of terrain representation in Geosite - Case study in North Ibaraki Geopark Project -

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Geosites feature the sights of the geopark, which designate sites of spectacular geological feature. It is important to make it have corrected geological information and easily to understand. Most geopark use flyers, but only a few have topographic map.

In the Japanese Geoparks re-certification activity, North Ibaraki Geopark Project has the Geosite pamphlet with map illustration. It's customized and approachable but hard to match with the on-site. To design the new pamphlet, we used **New Relief Map created with Multiple Light Source (DecoBocoChizu Premium)** based on the 5m DEM (Digital Elevation Model). The new Geosite maps show more reality and much easier to recognize the geological feature such as marine terrace, river terrace and fault. Furthermore, overlapping the shadow graph and geologic graph can get the geographic structures.

*: This research is supported by Ibaraki University Geological Information Utilizing Project and KAKENHI (16K01213).

Keywords: Relief Map created with Multiple Light Source, North Ibaraki Geopark Project, terrain representation