

## Geomorphological analysis of Noto Peninsula by LiDAR DEM

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Hokuriku Electric Power Co. is trying to develop practical methods for assessment of geomorphological/geological features using LiDAR DEM acquired before and after the 2007 Noto Hanto Earthquake. We examine some different approaches, such as qualitative and quantitative methods below.

1. Red Relief Image Map (RRIM) interpretation
  - for refinement of geological map and delineation of fault scarps.
2. Geomorphometric operation
  - for quantitative assessment of marine terraces and their deformation.

Commonly, it is difficult to explain the evaluation process of tectonic geomorphology, but our used methods are more efficient and objective.