

## Overview of airborne laser scanner(lidar) for volcanology

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Airborne laser scanner (lidar) is very useful technic to acquire a high resolution digital elevation model (DEM). According to a review of 2000s studies, a high-resolution DEM acquired by airborne laser scanner contributed to development of volcanic geomorphology, volcanic geology and volcano geophysics. Airborne laser scanner is also effective for an investigation at the time of volcanic eruption. However, we should note an airplane may not fly. In addition, data sharing of a high-resolution DEM is an important problem for volcanologist.

Keywords: lidar, active volcano, terrain analysis, modelization, disaster prevention, disaster investigation