

## Geological database of Quaternary volcanoes and the surrounding area

# Kuniaki Nishiki[1]; Jun'ichi Itoh[2]; Shun Nakano[3]

[1] GSJ,AIST; [2] Geological Survey of Japan, AIST; [3] GSJ, AIST

Realization of tectonics in basement rocks and long-term history of volcanic (magmatic) is indispensability to assess that volcanic activity affect geological environment of underground. So we had prepared the database that was assembled information of Quaternary volcanoes and the surrounding area, and added new documents data of the Quaternary volcanoes in Japan for this year. Besides, we compiled intimate geological data of northern Kanto-Shin'etsu area based on the specifications of the newly description.

In the northern Kanto-Shin'etsu area, 26 known Quaternary volcanoes are distributed. This database was collected new data of these volcanoes. As a result of assembled geological data of the surrounding area, it is thought that some volcanic rocks were erupted in Quaternary, and these volcanic rocks were added this database. Quaternary intrusive rocks were also added this database. About these volcanic bodies and intrusive bodies, this database showed position of lateral cone, estimated position of eruption and intruded position. Additionally, this database was collected the data of volcanic rocks and intrusive rocks in Gelasian for revised period of Quaternary (0-ca.2.6 Ma) in the near future. This compiled data was the results that were examined by existing documents data. Review of intimate stratigraphy and determined of accurate ages are necessary for accreditation in new Quaternary volcano. This database is completed primary information of Quaternary volcanoes in Japan, and will be expected that clarification of the spatiotemporal change of volcanic activity and its trigger.

This research project has been conducted under the research contact with the Nuclear and Industrial Safety Agency (NISA).