

QUATERNARY VOLCANOES IN JAPAN, as an AIST database (RIO-DB) published via internet

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QUATERNARY VOLCANOES IN JAPAN was published via internet from Geological Survey of Japan, AIST. The URL is http://www.aist.go.jp/RIODB/strata/VOL_JP/. Only Japanese version is available now. Anyone can browse it via internet. It is a part of Research Information Database of AIST (National Institute of Advanced Industrial Science and Technology). Abundant photographs of each volcano including aerophotographs characterize it. Concerning literatures are listed for each volcano.

QUATERNARY VOLCANOES IN JAPAN was modified and increased from DISTRIBUTION OF QUATERNARY VOLCANOES included in CD-ROM titled DISTRIBUTION AND OCCURRENCE OF CENOZOIC VOLCANIC ROCKS IN JAPAN Ver.1.0 (Digital Geologic Map G-4, Geological Survey of Japan, 2000). For publishing via internet, added were more photographs of volcanoes and items mentioned. Also structures of contents were partly modified.

Contained volcanoes are nearly all terrestrial volcanoes in Japan including Kunashiri and Etorofu Islands. Submarine volcanoes contained here are restricted to those that have eruption records or fumarolic or hydrothermal activities. More than 300 volcanoes are included at the present time. The most important point for constructing this database is to cover all terrestrial Quaternary volcanoes and active submarine volcanoes. For this reason, detailed informations for each volcano are not adequate at this time.

Items mentioned are as follows; longitude and latitude of volcanic center, prefecture, height, names of geographic map by Geographical Survey Institute (scale at 1:25000, 1:50000, 1:200000), volcanic type (e.g., stratovolcano, lava dome), rock type (e.g., basalt, andesite), activity period (e.g., from 0.5Ma to 0.1 Ma), eruption and hazard record (e.g., 1998: Vulcanian eruption; ash fall) and so on. The number of contained photographs is 258 in the original CD-ROM (September, 2000), 528 at the first publishing via internet (July, 2001), and increased up to 697 (February, 2002) by the courtesy of many volcanologists and photographers. (All photographs collected were permitted for publication by copyright holders including professional photographers.) Shaded geologic maps for 22 volcanoes and shaded geographic maps for 20 volcanoes are included, in addition. QUATERNARY VOLCANOES IN JAPAN are periodically renewed. Especially, newly offered pictures and recent volcanic activities are added.

Literatures are added to QUATERNARY VOLCANOES IN JAPAN (April, 2002). For example, the number of literatures for Sakurajima Volcano is 544, and that for Fuji Volcano is 226. Literatures for each volcano are listed chronologically. The data files will be updated periodically.