

# Issue of National Catalogue of the Active Volcanoes in Japan (Third Edition)

# Hitoshi Yamasato[1]; Tatsuro Chiba[2]; Miki Shioya[2]; Koji Fujita[2]; Isao Matsushima[1]; Rie Tanada[1]; Shomei Shirato[3]

[1] Volcanological Division, JMA; [2] Asia Air Survey; [3] Shizuoka Local Meteorological Observatory

Japan Meteorological Agency (JMA) issued National Catalogues of the active volcanoes in Japan in 1983 and 1991. In 2003, the Coordinating Committee for Prediction of Volcanic Eruption revised the definition of 'active volcano' as 'volcano that erupted in recent 10,000 years or has active fumaroles' and selected 108 active volcanoes. As new active volcanoes were selected and more ten years have passed from the issue of the second edition, JMA is going to issue the third edition of the catalogue. It includes the materials collected during the examination of the selection of active volcanoes and new finding understood recently. The feature of the third edition is as follows.

The outline of the volcanic activity of recent 10,000 years is described for each volcano in the catalogue because the active volcano definition's enhanced even to the volcanoes that erupted in the past 10,000 years. The classification (ranking of the active volcanoes; A, B, C) with the 10,000 years volcanic activity by the Coordinating Committee for Prediction of Volcanic Eruption is also included. The description on the historical eruptions is made as 'Volcanic activity that remained in the record'. We widely heard the comments of volcanologists in order to take new results of volcanological researches, and to correct the mistakes of the descriptions in the past edition.

The color print is greatly adopted for photographs of volcanoes and comprehensible diagrams. The topographical maps are also colored and adopted the Red Relief Image Map (Chiba and Suzuki, 2004) where the detail of geographical features can be identified. Moreover, the appendix CD-ROM includes not only the printed contents but also various data such as the latitudes / longitudes of the observation points and volcanic hazard maps of some volcanoes.

The catalogue links with the JMA's WEB in order to revise it appropriately according to the advancement of the volcanology. The facts that will be found and the events that will occur in the future will be able to refer to the WEB of the Volcano Observation and Information Centers of the JMA.

The authors wish to express acknowledgement to many volcanologists who gave us useful comments to revise the catalogue.