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Verification study of validity of hazard information for seismic and volcanic disasters in Japan: present status

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The Japan Meteorological Agency recently introduced many kinds of hazard information systems, such as Earthquake Early Warnings, Predictive information for the Tokai Earthquake, and Volcanic Alert levels. Moreover, many hazard maps of active volcanoes were published by local government offices. The validity of these information systems has, however, seldom been verified critically by national and local government offices themselves. We review recent verification studies of the validity of the hazard information systems for seismic and volcanic disasters in Japan from the viewpoint of risk communication between authorities and citizens.

Keywords: earthquake, volcanic eruption, hazard information, risk communication, verification, status