

## Earthquake prediction compared with volcanic eruption prediction

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Volcanic eruptions that are produced by ascending magma have naturally different natures from earthquakes that originate from accumulated strain. When we intend to predict earthquakes and eruptions, however, we find various common features between them. For both of them, we are requested to make a long-term evaluation of their potentials, a more specific prediction of the nature of an imminent earthquake or eruption, and precaution against the hazards. Volcanic eruptions of Usuzan and Miyakejima in 2000 have revealed how well we can or cannot manage the prediction. Unexpected evolution of the Miyakejima case gave us a difficulty in providing the alert for its hazards. Some of these experiences may be instructive to improve the earthquake prediction.