

## Some Attempts for Understanding of Mechanism of Volcanic Explosions and for Evaluation of Volcanic Hazard

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For the understanding of mechanism of volcanic explosion and preparing a hazard map, we used together following three items: field explosion experiment, comparative study between experimental result and result from field observation, and numerical simulation. This indicated that the information based on field explosion experiment was very useful not only for the quantitative understanding of mechanism of volcanic explosion but also for preparing a hazard map. As an example, we made a hazard map of Iwate volcano based on numerical simulation.