

Overview of numerical simulations for volcanic disaster management.

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Numerical simulation is very useful for determining potential area of inundation, depth of the flow and the time required for the flow to reach a particular point. But when we perform simulations, it is important to understand the systematic of the procedure. But more important is to understanding the key conditions that control flow behavior. Only the scenarios can give the guidance to set the key conditions of the flow behaviors.

This paper presents an overview of diverse computer simulations which using actual volcanic disaster engineering. And the author suggested several problems to performing the simulation.

Keywords: disaster prevention, hazard map, numerical simulation, scenario