

Educational tool for understanding volcanic phenomena -Utility of analog model simulation

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Volcanic phenomena are dynamic and fascinating. Those who live around volcano receive many benefits from volcano and some disaster. Because of these reasons, volcano is a vivid object for education.

But, many volcanological terms appear in earth science textbook. Studying earth science is not memorizing special terms. So we need to make many idea for teaching volcano.

How we can do that? We would like to propose two strategy: one is to use audio-visual media and another is to use analog model simulation.

Analog model simulation is effective for volcano education because of several reasons: its effectiveness for understanding volcanic phenomenon, experience, object for consideration and observation, impressive experience.

One of the author (SH) has developed a simulation system of crustal movements during eruption using chocolate and cocoa powder. We are going to discuss about the effectiveness of analog model simulation in the presentation.