

Libra: a new game to simulate evacuation from volcanic disaster

Shintaro Hayashi[1]

[1] Dep. of Earth Sci., Akita Univ.

Libra is a new game to simulate evacuation process of volcanic disaster. In volcanic eruption, administrative officials or volcanologist are sometimes caught in a dilemma. If they give orders of evacuation to the inhabitants prepared for maximum eruption, the inhabitants will be safe but the officials needs to pay a lot of cost. If they try to reduce the cost and if the large scale eruption occur, damage to the inhabitants will be serious. Concept of gaming design will be discussed in presentation.