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(57) Abstract :

A system (100) of predicting a volcanic eruption. The system includes a processor (104) configured to acquire data associated a pre-determined epicentre, to predict a possibility of the volcanic eruption. The system further includes a processor (104) configured to determine one or more volcanic eruption patterns for the pre-determined epicentre based on the acquired data. The system further includes a processor (104) configured to predict a damage to be caused by the volcanic eruption if the one or more volcanic eruption patterns confirms the possibility of the volcanic eruption at the pre-determined epicentre so as to determine an evacuation strategy for the nearby populated areas.

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