Pre-11: Volcanic impact and risk modelling using the open-source RiskScape engine: an introductory workshop

English / Participants: 10 – 25 / Cost: 10 US$

We invite researchers, technicians, government and emergency management practitioners, grad/postgraduate students to a workshop that will provide an introductory understanding of the open-source risk engine software, RiskScape (https://riskscape.org.nz/).

As a flexible modelling engine, RiskScape can perform multi-hazard risk analysis, which is important for assessing risk from volcanic activity. RiskScape allows for user-defined workflows to analyze hazard, exposure, and vulnerability data across different spatio-temporal domains using geoprocessing and spatial sampling operations. RiskScape supports both deterministic and probabilistic risk quantification. We will demonstrate the software's utility through a range of volcanic and multi-hazard case studies.

The workshop will provide a practical introduction to RiskScape and instruct participants on how to build basic risk models for volcanic hazards. Upon completion of the workshop, participants will have a foundational understanding of how to utilize RiskScape's features and interfaces and will be equipped with the basic skills to construct volcanic risk models.

Workshop organizers:

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