

# **A NEW ERA OF QUANTITATIVE VOLCANO RISK MANAGEMENT**

Dr. Gordon Woo

For centuries, volcano risk has been managed without being effectively measured. But the recent substantial progress in quantifying eruption probability paves the way for a new era of rational science-based volcano risk management. In this new era, volcanologists should be at the very centre of decision-making, applying all their scientific knowledge and observational information to assist authorities in quantifying the positive and negative risk implications of any decision. The contribution of observatory volcanologists should become ever more significant.

Note:

Dr. Gordon Woo (consultant for Risk Management Solutions, Inc.) is a catastrophist, specializing on mathematical aspects of catastrophe risk modeling. He has twenty years of practical experience in consulting for commercial, industrial and government organizations on major public risk issues varying from the disposal of radioactive waste, to oil pollution, to flight safety, to earthquake, windstorm and flood protection.

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