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'Understanding volcanoes and society: the key for risk mitigation'



The Impact of Re-Suspended Ash: Lessons from Patagonia

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Wind re-suspended ash can intensify and prolong impacts of the initial ashfall for a range of societal elements, including human health, agriculture, aviation, critical infrastructure and buildings. It can also extend and complicate ash clean-up operations, further disrupting societal function. Effects may be similar to primary ash fall and include physical and chemical hazards, with abrasion, and enhanced erosion and deposition processes generally the most impactful.

This presentation will review impacts from re-suspended ash case-studies from around the globe, with a focus on impacts to agriculture and critical infrastructure systems in Patagonia. It will also attempt to identify mitigation and recovery strategies which reduce the impact of re-suspended ash.