

## Rumbles and mumbles: what we know we know - and don't know - about recent volcanic activity in New Zealand

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Volcanic activity in New Zealand was particularly elevated in 2012 and 2013, with two volcanoes erupting and another showing signs of increased unrest. A few years before, Lake Taupo caldera also showed signs of unrest. Here we present a summary of recent activity at various volcanoes such as White Island, Tongariro and Lake Taupo volcanoes and how multiscale and multidisciplinary approaches allowed us to either untangle the various processes driving unrest, or gain insights into the details of an eruptive sequence. These approaches include geodesy, seismology, geochemistry and results from numerical modelling. We also present some open and yet unanswered questions about the recent activity.