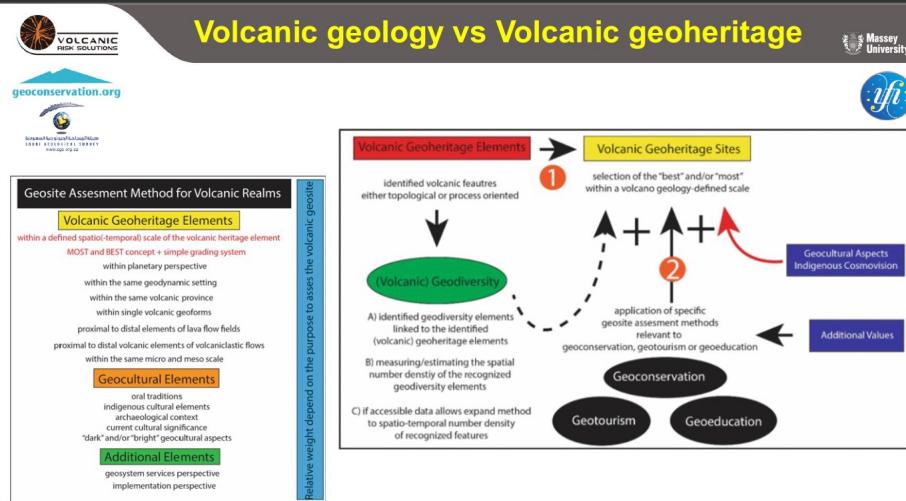


Geoheritage and geodiversity of the Taupo Volcanic Zone, North Island, New Zealand

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Volcanic Risk Solutions, Massey University, Palmerston North, New Zealand
Saudi Geological Survey, Jeddah
Institute of Earth Physics and Space Science, Sopron, Hungary

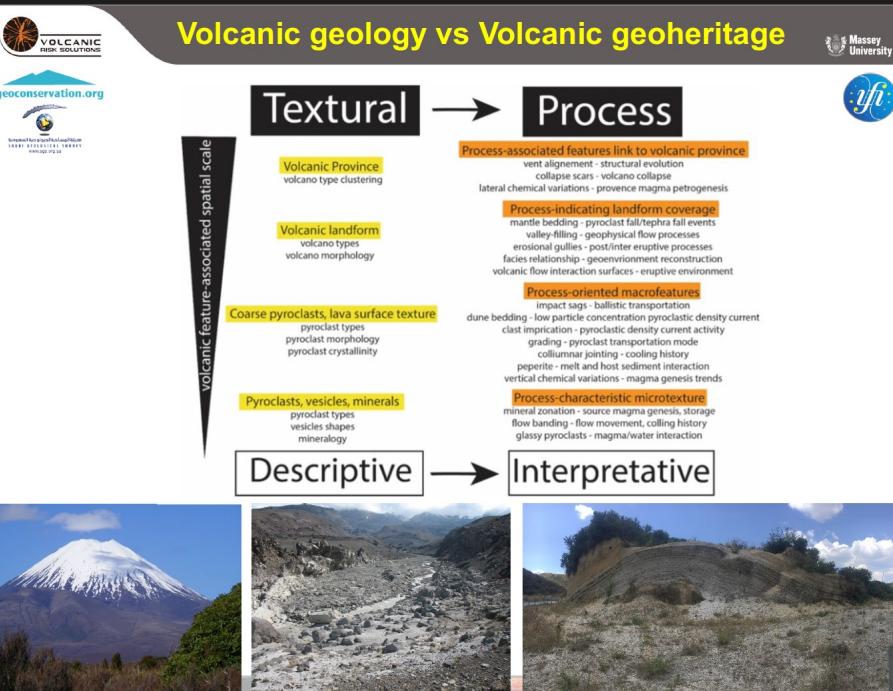


Geodiversity in Volcanic Terrains – Quantitative – qualitative valorization methods

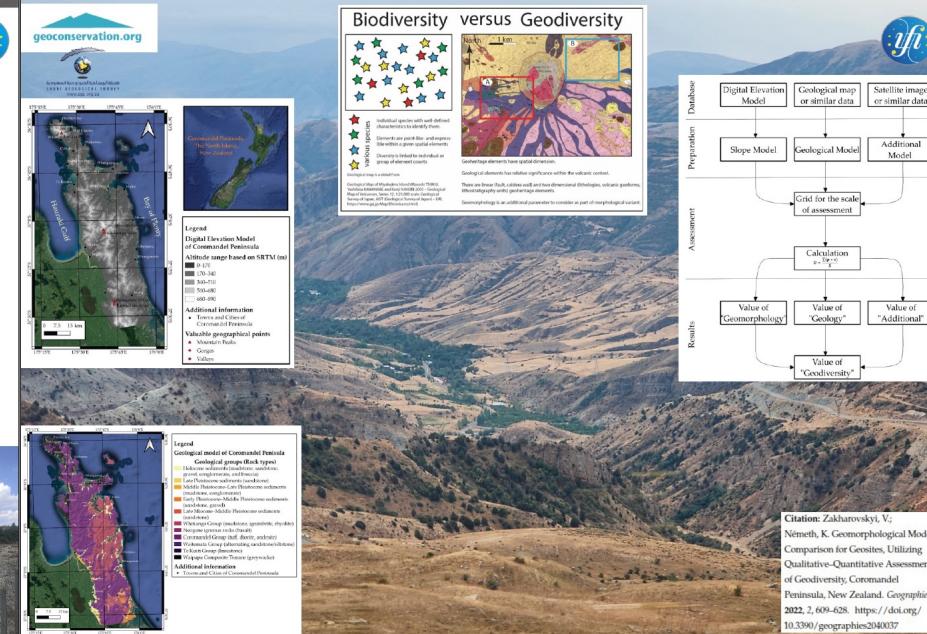
Global + Local

J. Dóniz-Páez and N. M. Pérez (eds.), *El Hierro Island Global Geopark, Geoheritage, Geoparks and Geotourism*, <https://doi.org/10.1007/978-3-031-07289-5>

Volcanic geology vs Volcanic geoheritage



Volcanic geodiversity – advanced methods



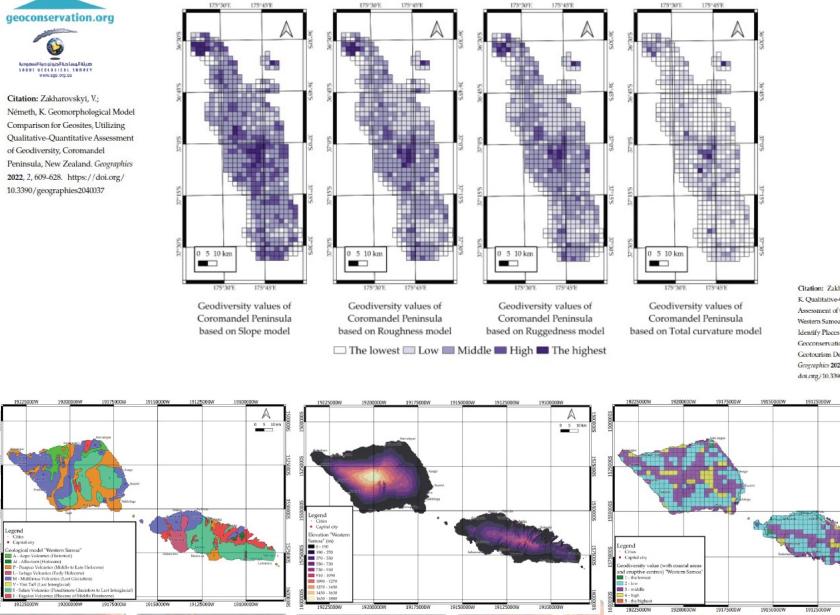


Volcanic geodiversity – advanced methods

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Citation: Zakharevsky, V.; Németh, K. Geomorphological Model Comparison for Geodiversity Utilizing Qualitative-Quantitative Assessment of Geodiversity. Coromandel Peninsula, New Zealand. *Geographies* 2022, 2, 609–626. <https://doi.org/10.3390/geographies2040037>



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Citation: Zakharevsky, V.; Németh, K. Quantitative-Qualitative Assessment of Geodiversity of Western Samoa (SW Pacific) to Identify Key Geoheritage Elements for Further Geoconservation, Conservation, and Geotourism Development. *Geographies* 2021, 1, 362–380. <https://doi.org/10.3390/geographies1010003>

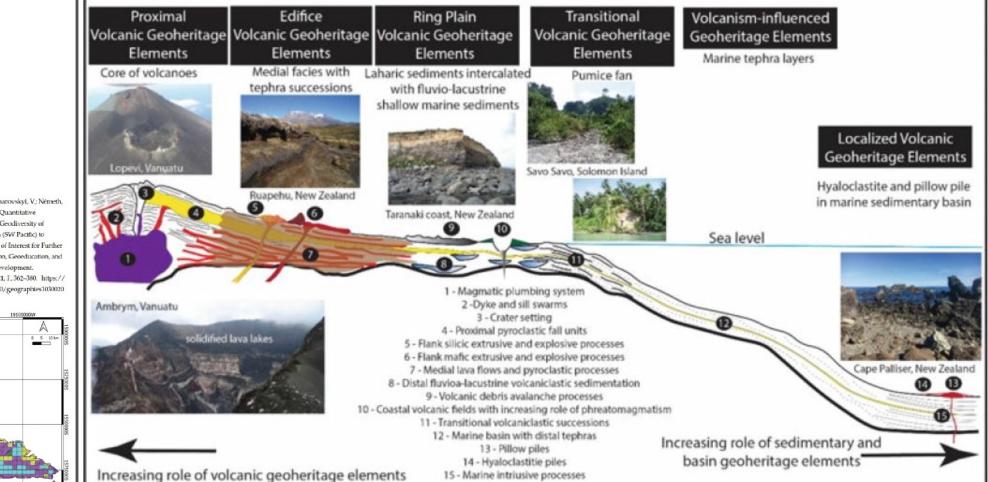


Volcanic geodiversity vs volcanic geology

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North Island of New Zealand

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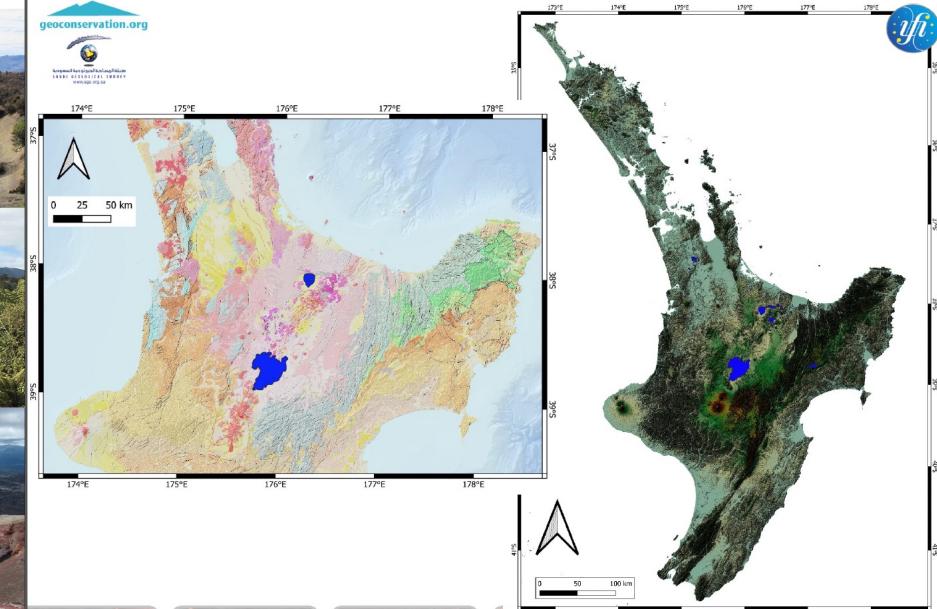
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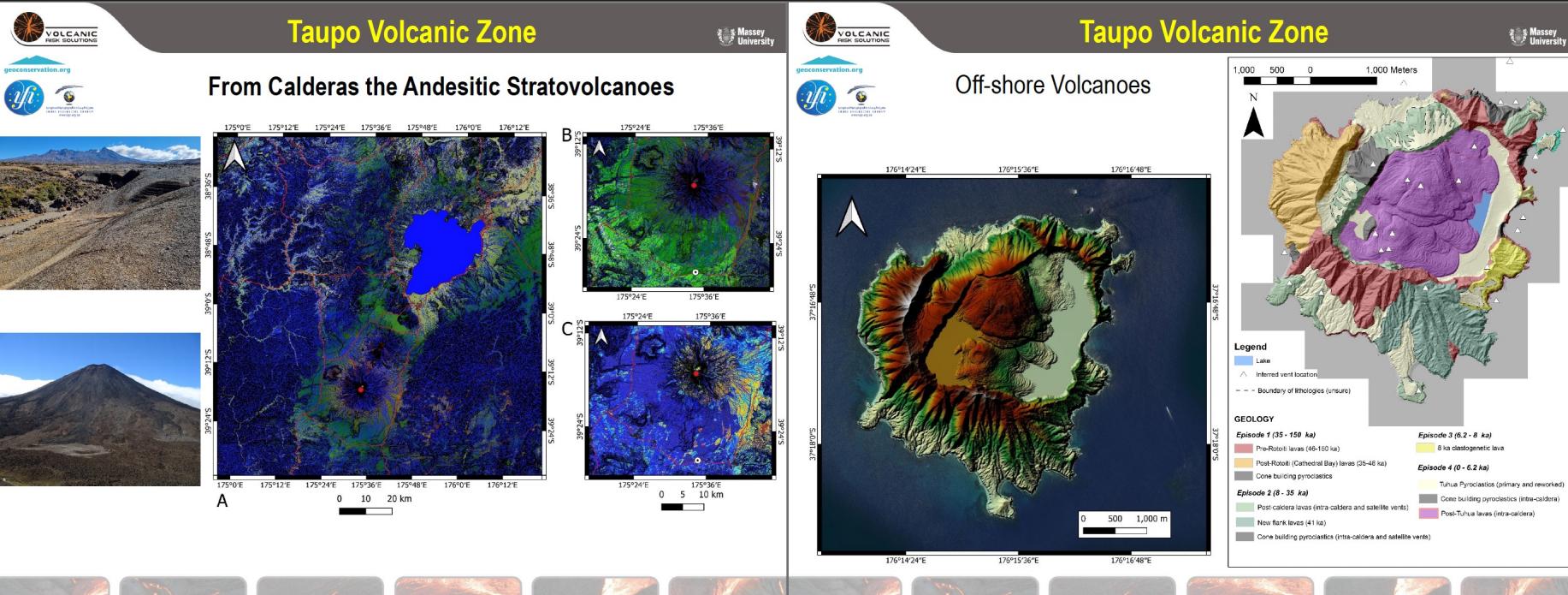
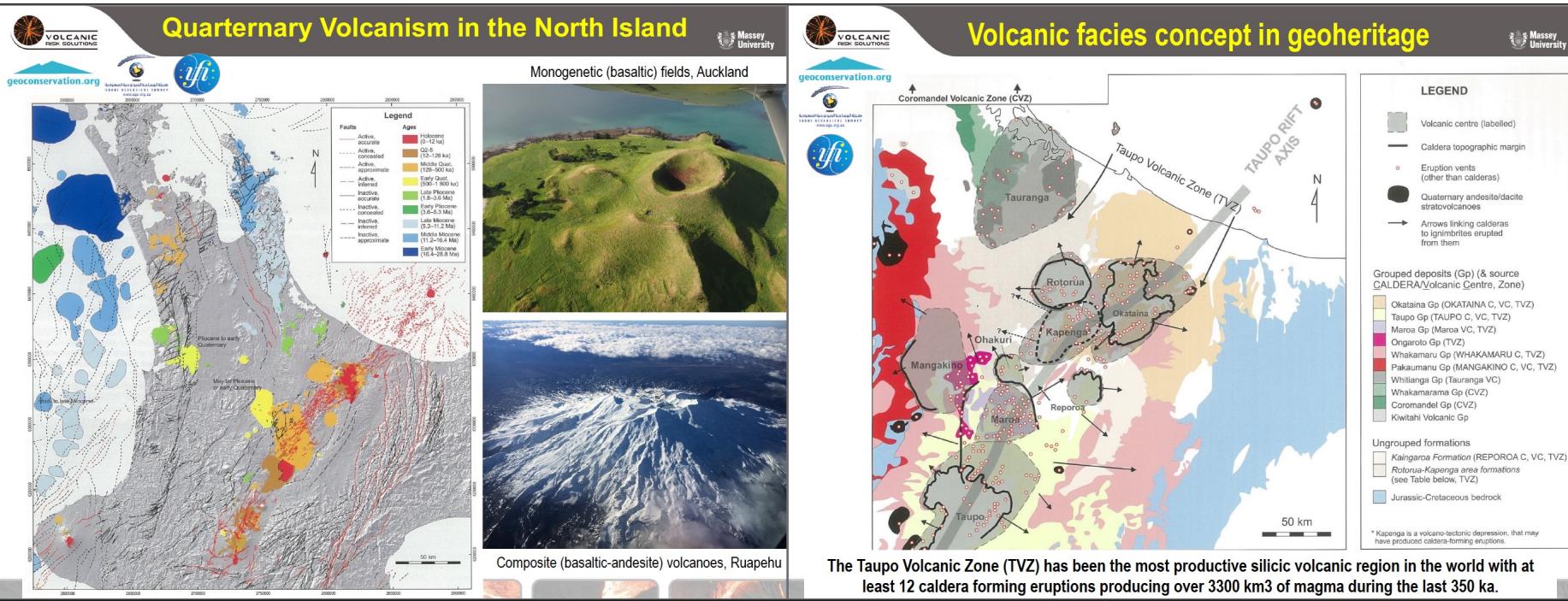


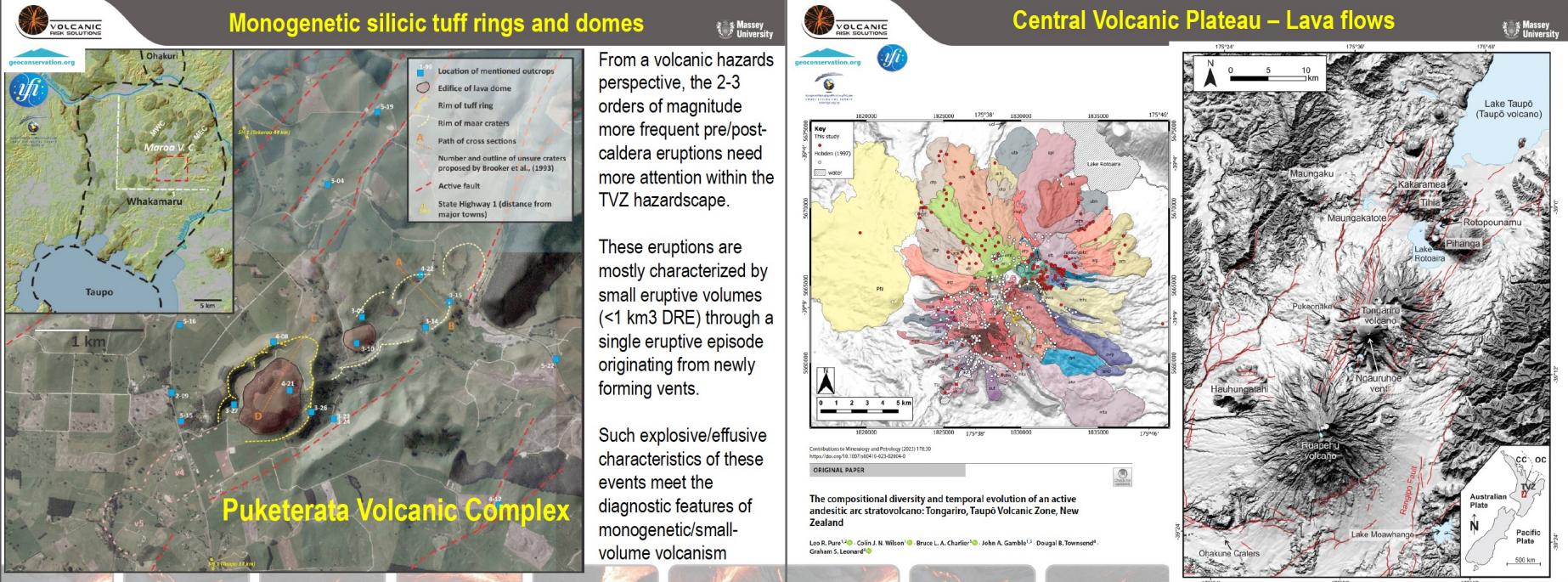
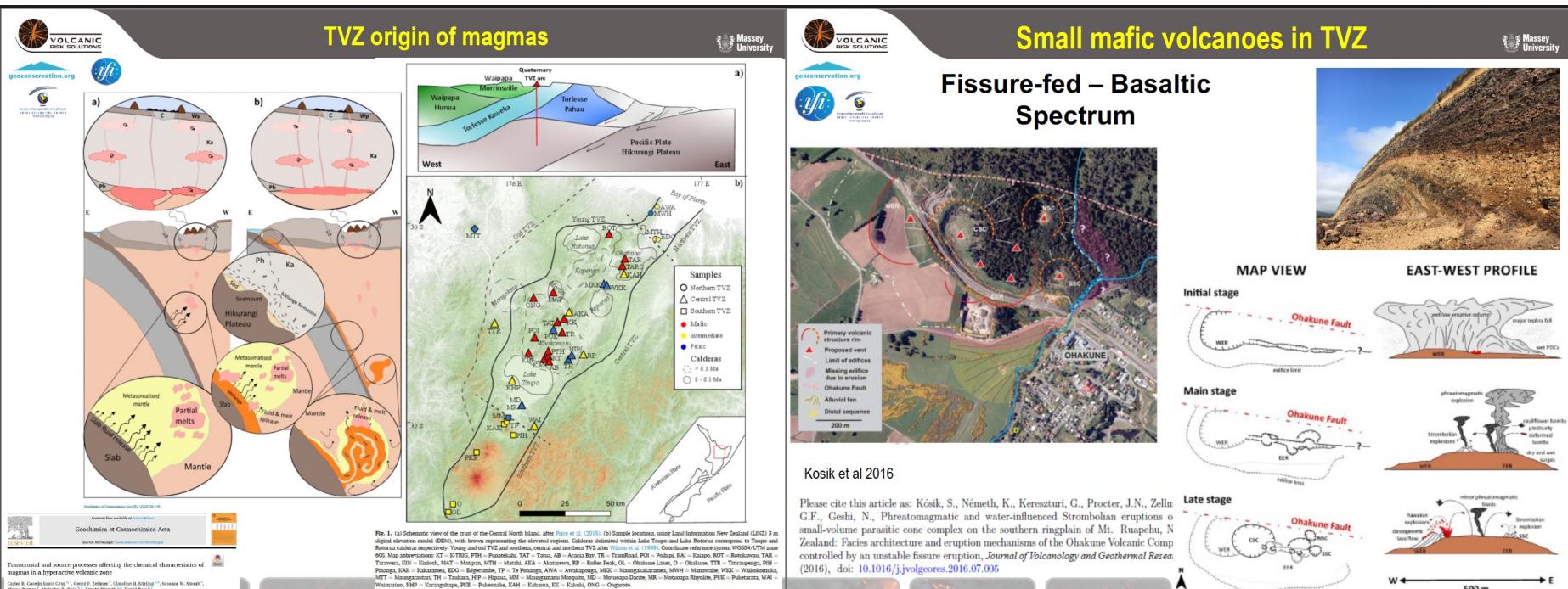
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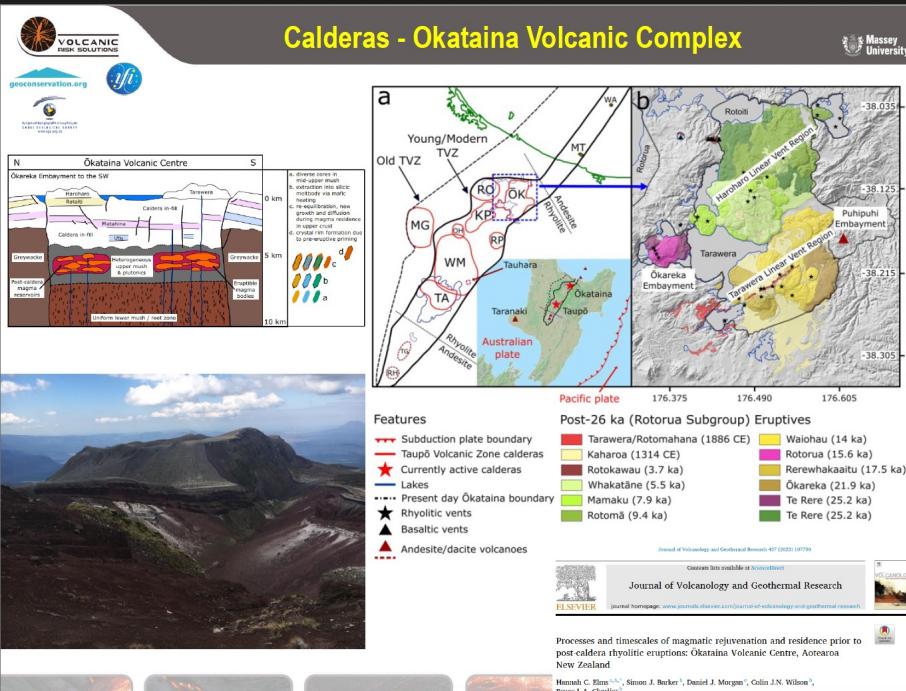
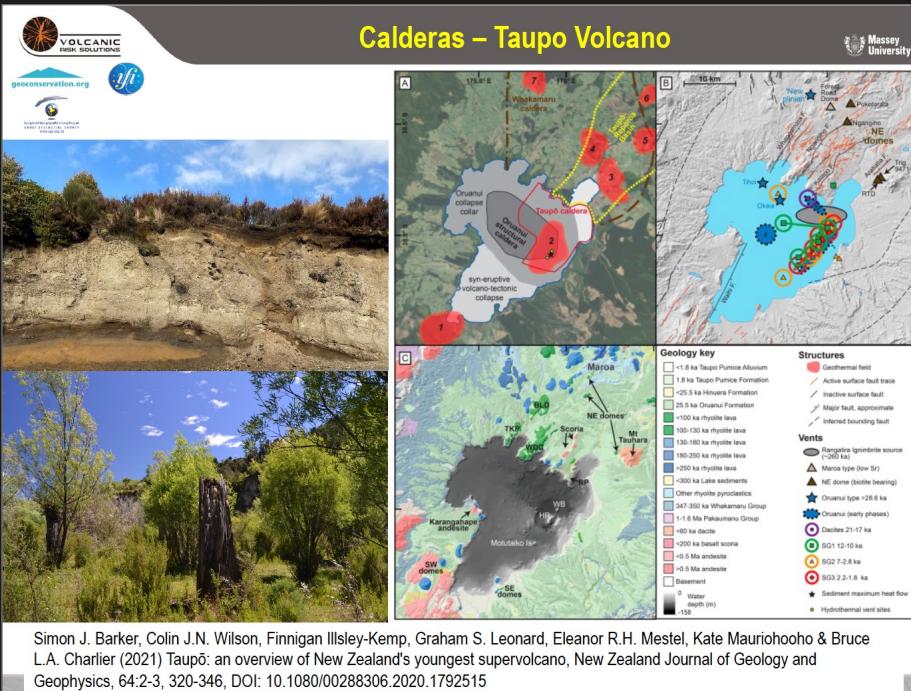
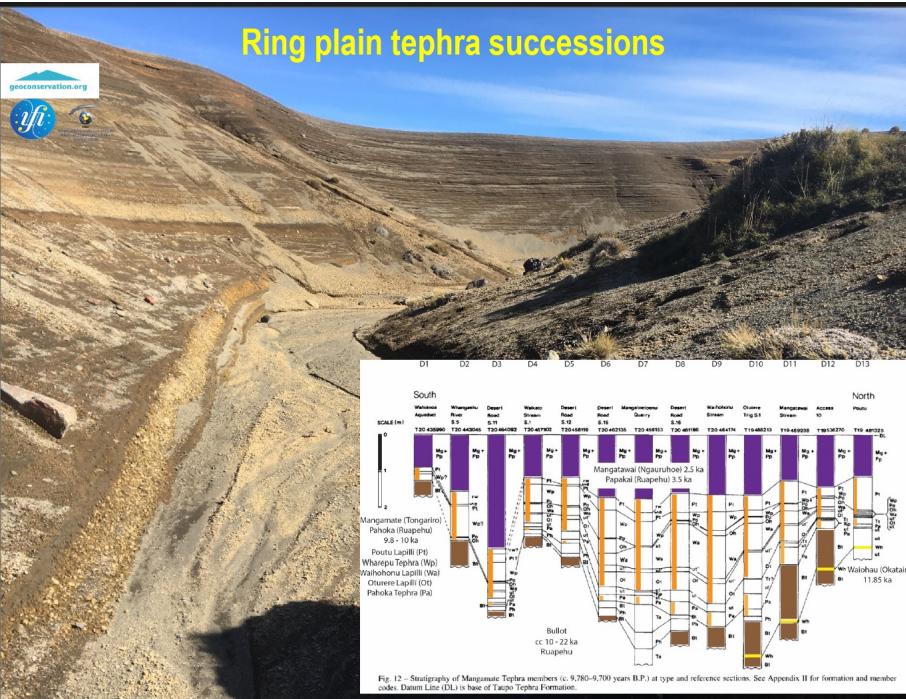
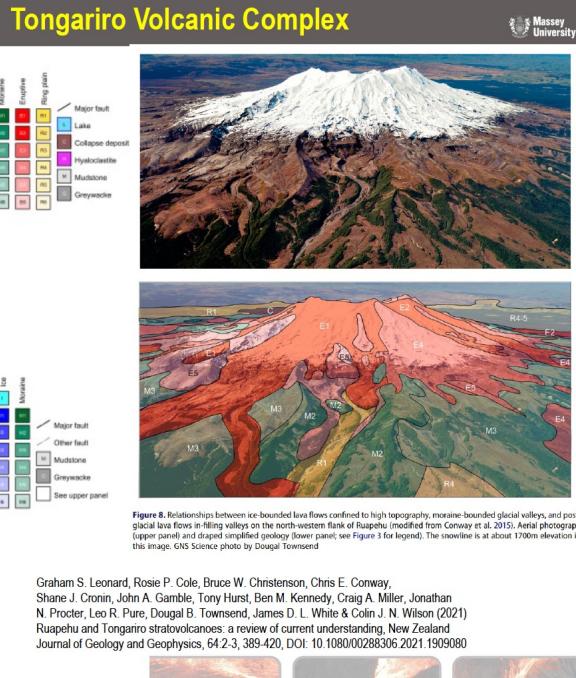
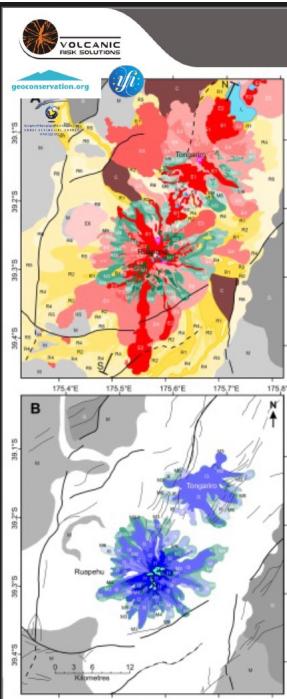


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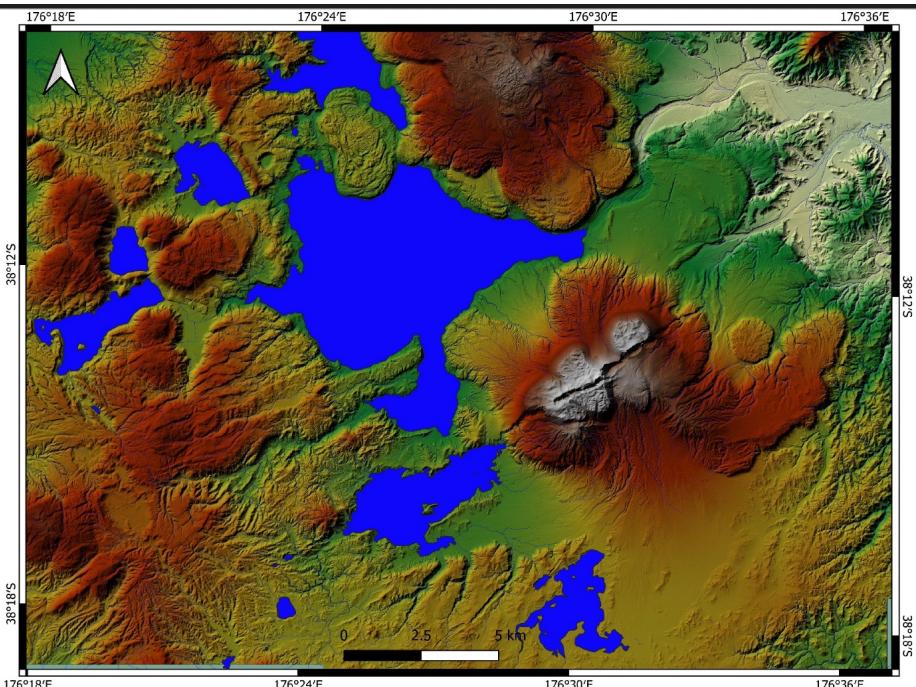




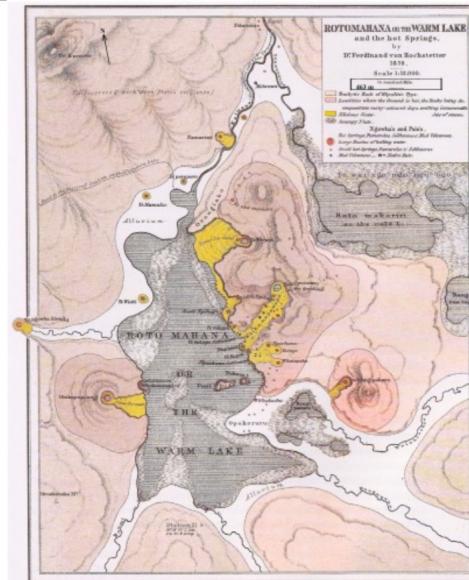




Simon J. Barker, Colin J.N. Wilson, Finnigan Illsley-Kemp, Graham S. Leonard, Eleanor R.H. Mestel, Kate Maurohooho & Bruce L.A. Charlier (2021) Taupo: an overview of New Zealand's youngest supervolcano, New Zealand Journal of Geology and Geophysics, 64:2-3, 320-346, DOI: 10.1080/00288306.2020.1792515



Geothermal heritage



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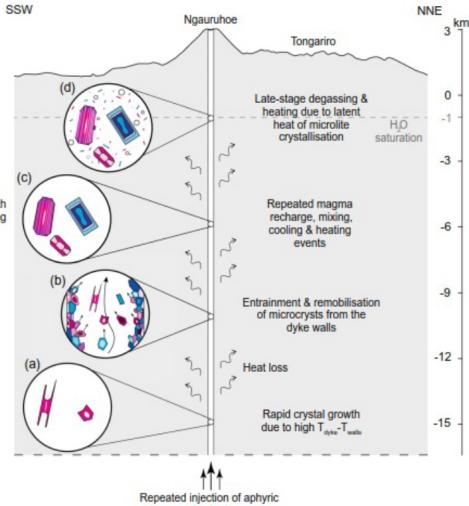
Bunn AR (2023), Resolving the 1886 White Terraces riddle in the Taupo Volcanic Zone. *Front. Earth Sci.* 11:1007148. doi: 10.3389/feart.2023.1007148



Blue sky events – impact on geotourism



Mineral level geoheritage



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Contributions to Mineralogy and Petrology (2021) 176:97
https://doi.org/10.1007/s00410-021-01857-7

ORIGINAL PAPER

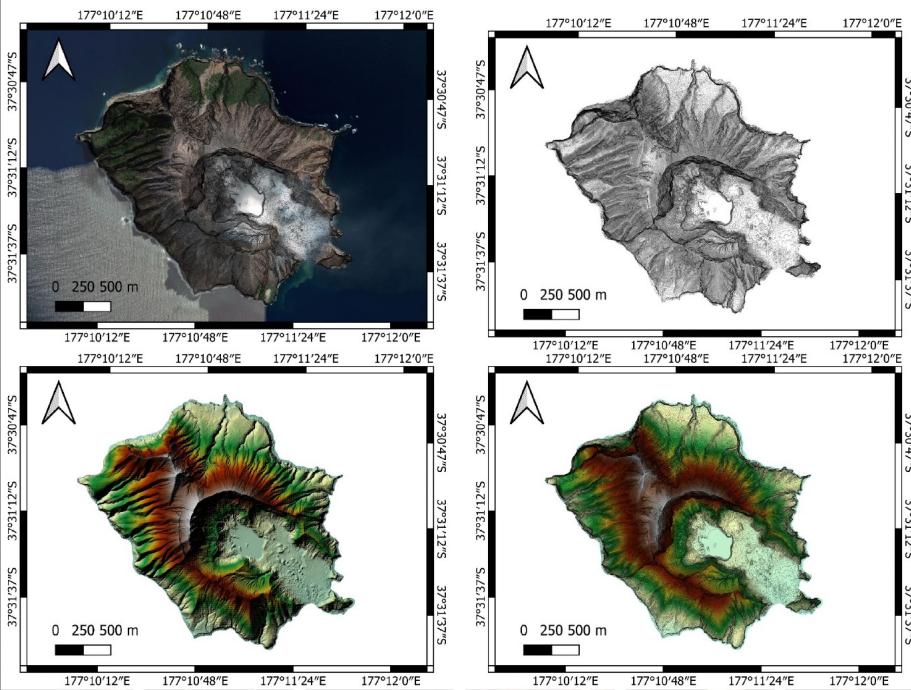
Shallow magmatic processes revealed by cryptic microantecrysts: a case study from the Taupo Volcanic Zone

Charline Lormand¹ • Georg Florian Zellmer² • Naoya Sakamoto³ • Teresa Ubide⁴ • Geoff Kilgour⁵ • Hisayoshi Yurimoto³ • Alan Palmer⁶ • Karoly Nemeth⁷ • Yoshiyuki Izuka³ • Anja Moebius⁸

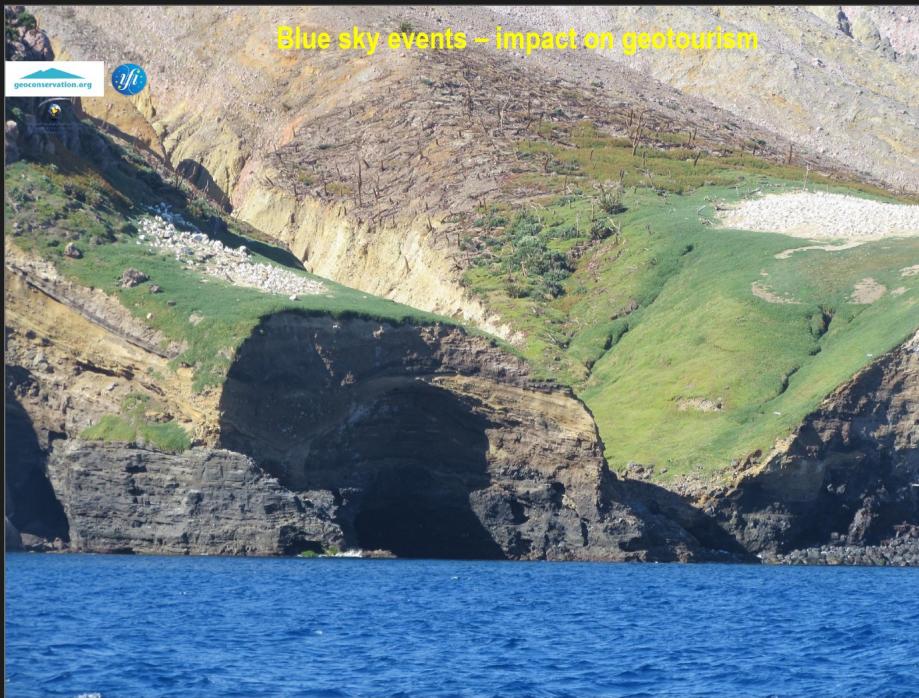


Volcanic geoheritage vs volcanic hazard

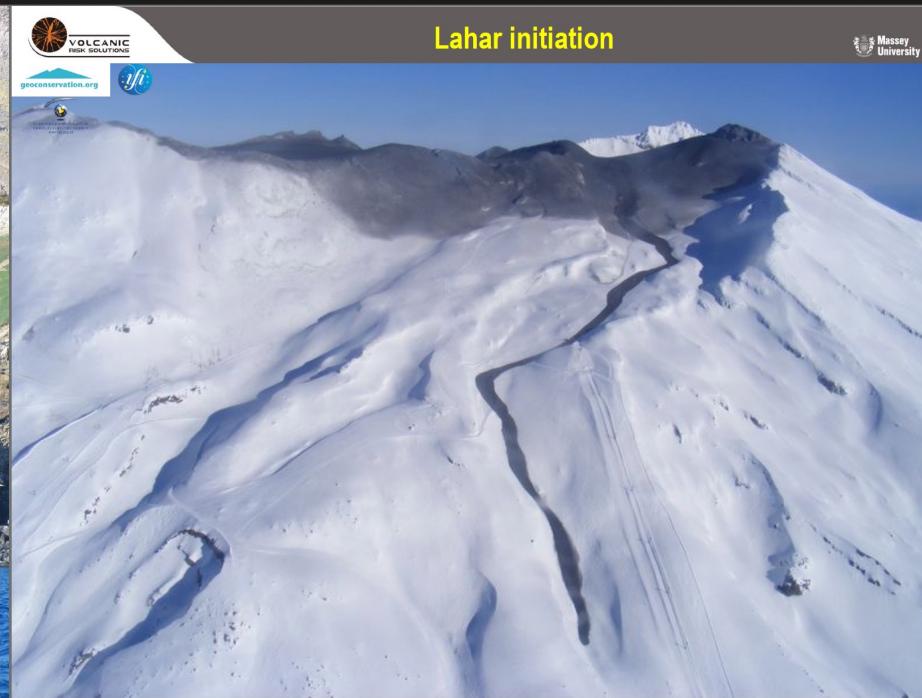
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Blue sky events – impact on geotourism



Lahar initiation





Tangiwhai Disaster



Interaction of landscape evolution and volcanism



Conclusion

