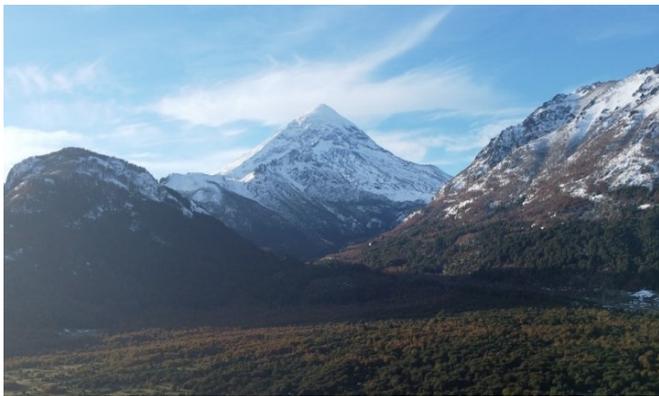




IMAGINE is a 5-year European Research Council funded project that investigates the intertwined human and environmental geographies of borderland volcanic areas in Latin America.

We are pleased to provide an update with project news from: [ERC Imagine](#) - Geographical Imaginations and the (geo)politics of volcanic risk, cultures, knowledges and actions. Dr Amy Donovan in the Department of Geography at the University of Cambridge is the project's Principal Investigator.

Since our [launch event](#) in January 2021, the research team have undertaken two data collection fieldtrips to Latin America, engaged in conferences, and published academic papers, collaborating with local partners.



1: Volcán Lanín on the Argentina/Chile Border

Fieldtrip news

We have recently returned from collecting data and working with communities living near volcanoes in the remote borderland regions of Chile, Argentina and Peru. Our research methods combine a range of social and physical approaches, to understand geographical imaginaries and how different groups think about their relationship with volcanoes, volcanic risk and the environment. We aim to help understand how the knowledge of risk is built and shared, and how risk can be reduced to help better prepare for disasters in the future.

Dr Rory Walshe completed interviews in the Kütralkura Geopark in Chile, [highlighting](#) the role of memory and past experience in influencing responses to warnings. He also started new collaborations on Villarica and Lanín. For Lanín this included attending a dialogue with indigenous Mapuche communities who live on the Argentinian side of Lanín volcano about community knowledge and worldviews for disaster risk reduction, led by the National Parks Administration and [OAVV](#).



2: A workshop with a Mapuche community in Argentina

Dr Julie Morin has been working with the inhabitants and authorities around Chaitén in Chile; she has developed new collaborations in Peru with [INGEMMET](#) and [Ruta del Sillar](#), an association of volcanic stone quarriers in Arequipa, and with [IGP](#) in Omate, to try and understand how geo-heritage could contribute to disaster risk education and reduction.



3: Julie using the epoxy peel method in Los Turbios, Chaitén



4: Examining an outcrop from El Místi volcano, near Arequipa, Peru.

Working in collaboration with [SERNAMEG](#) and [NYU](#), Julie has been using the epoxy resin and peel method (Douillet et al. 2018) to take imprints of volcanic outcrops in Chaitén, Chile. The outcrops will be displayed in the [Museo de Sitio](#) in Chaitén for educational needs. Further epoxy peels are planned on Hudson deposits, in Chile, and El Místi deposits, in Peru.



5: Carolyn on her fieldtrip in Alto Biobío

Carolyn Smith, our PhD Student, has been studying with the Pewenche community of Butalelbún in Alto Biobío, Chile. She is investigating the lived experiences of local people on the side of the persistently active volcano Copahue.

Dr Julie Morin and the team have also debuted [Volcano Voices](#), a participatory [method](#) that allows the creation, presentation and feedback of rich research data in an accessible and attractive way. It specifically combines interactive sphere photos with testimonies from interviews and other qualitative data. We look forward to sharing more updates with you on this as the work progresses over the coming months.



6: Volcano Voices image of Santa Lucia, Chaitén

THANK YOU

We would like to thank all of the interviewees, hosts, researchers and collaborators who we have worked and engaged with during our travels.

A selection of academic papers published through the project

Donovan, DA. (2021). [Experts in emergencies: A framework for understanding scientific advice in crisis contexts](#). *International Journal of Disaster Risk Reduction*, 56

Kavanagh, J.L., Annen, C.J., Burchardt, S., Morin, J., et al. [Volcanologists—who are we and where are we going?](#). *Bull Volcanol* **84**, 53 (2022).

Gallant, E., Cole, L., Connor, C., Donovan, A., Molisee, D., Morin, J., Walshe, R. and Wetmore, P. [Modelling eruptive source parameters in distributed volcanic fields](#) *Volcanica* 4(2), pp.325-343 (2021).

Pelling, M., Adams, H., Adamson, G., Barcena, A., Blackburn, S., Borie, M., Donovan, A., et al. [Building back better from Covid-19: knowledge, emergence and social contracts](#), *Progress in Human Geography* 2021, Vol. 0(0) 1–18

Raška, P., Walshe, R (2022) [Heritagizing traditional adaptations to natural hazards: A critical perspective](#), in *Landscape as Heritage: International Critical Perspectives*, Routledge

Tadini, A., Harris, A., Morin, J., et al (2022) [“Structured elicitation of expert judgement in real-time eruption scenarios: an exercise for Piton de la Fournaise volcano, La Réunion island”](#), *Volcanica*, 5(1), pp. 105–131. doi: 10.30909/vol.05.01.105131.

Cities on Volcanoes Conference

We contributed to the Cities on Volcanoes conference in Crete on the 12-17 June 2022. Some of the material presented, including some of our preliminary results and data trends, can be viewed on our [website](#).

Network for early career researchers

The [NEREIDS](#) network is for early career researchers in interdisciplinary disaster studies. If you would like to find out more or join the network then please get in touch. A networking event is planned for Autumn 2022.

Next Steps...

Further fieldtrips are planned over the next year. We will be undertaking interviews with observatory volcanologists around the world looking at experiences, concerns and resourcing issues. Please do get in touch if you have any questions / follow our news via the links below.