



geothermal team

Geoscientific research, expertise and consultancy advice.



The GNS Science geothermal team is internationally recognised for innovative, robust geoscientific research, expertise and consultancy advice. We have been supporting the geothermal sector in New Zealand and internationally for over 50 years.

Our experienced professionals integrate geology, geophysics, geochemistry and modelling expertise for exploration, drilling, environmental sustainability, field development, optimal production, and ongoing resource management.

leadership →



→ **Brian Carey, ME.**
Geothermal resource management, environmental planning, field development programmes. 33 years experience.



→ **Colin Harvey, PhD.**
Clay mineralogy, geothermal exploration and resource assessment. 44 years experience.



→ **Ed Mroczeck, PhD.**
Reservoir and power station chemistry, scaling and corrosion, and environmental monitoring. 30 years experience.



→ **Chris Bromley, MSc.**
Geophysical exploration, resource and environmental assessments, micro-seismicity, and long-term utilisation strategies. 32 years experience.



→ **Greg Bignall, PhD.**
Fluid-mineral interactions, petrology and well services. Resource assessment, exploration and development. 19 years experience.

key personnel →



→ **Andrew Rae, PhD.**
Petrology, wellsite services, exploration geology, field mapping. Water-rock interaction. 19 years experience.



→ **Grant Caldwell, MSc.**
Electromagnetic methods. Inverse modelling. Deep resource delineation and crustal structure. 32 years experience.



→ **Bruce Mountain, PhD.**
Hydrothermal chemistry and mineralisation. Experimental geochemistry and reservoir simulation. 24 years experience.



→ **Isabelle Chambeftort, PhD.**
Petrology of magmatic hydrothermal systems. Mineral isotope chemistry. Water rock-interaction. 9 years experience.



→ **Supri Soengkono, PhD.**
Geophysical investigations and resource delineation using magnetic, gravity, and DC-resistivity methods. 25 years experience.



→ **Lisa Lind, MSc.**
Chemical process modelling. Low temperature geothermal systems. 10 years experience.



→ **David McNamara, PhD.**
Structural geology, deep fracture characterisation and borehole image log interpretation. 5 years experience.



→ **Stephen Bannister, PhD.**
Wave propagation, seismic tomography, crustal structure determination, waveform inversion and time series analytical techniques. 29 years experience.



→ **Duncan Graham.**
Geothermal gas and water field sampling. Geophysical surveying for exploration and resource monitoring. 32 years experience.



→ **Samantha Alcaraz, MSc.**
GIS modelling, design and database management. Image processing. 3D geological modelling. 6 years experience.



→ **Robert Reeves, MSc.**
Geophysical surveys, resource delineation, geothermal-groundwater hydrology. 19 years experience.

contact us →

Contact us to find out how we can address your unique question, and support the success of your project.

VISIT www.gns.cri.nz/geothermal

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