**NEW ZEALAND GEOTECHNICAL DATABASE (NZGD): FEATURES & OPPORTUNITY FOR A NATIONALLY-SIGNIFICANT DATABASE**

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The New Zealand Geotechnical Database (NZGD) stands as a pivotal resource for the geotechnical field within New Zealand, significantly bolstering practice efficiency. Launched eleven years ago as the Canterbury Geotechnical Database, it has now expanded nationwide and contains around 200,000 records. The database has catered to over 12,200 unique users spanning science, engineering, government, insurance, and research sectors, with more than three million files downloaded by engineering consultants, researchers, and insurers.

The NZGD collects crowd-sourced data from extensive geotechnical investigations including laboratory testing results, geological surveys, and monitoring systems across New Zealand. NZGD provides detailed insights into soil behavior, ground stability, and seismic hazards, assisting engineers, geologists, building control authorities, and policymakers.

In 2023, MBIE appointed Beca as the new supplier to develop NZGD 2.0, which has been operational since November 2024. This updated platform retains the original database's core focus on collaborative data sharing while integrating modern design and an improved implementation framework.

Building on its success, there are significant opportunities to further understand and leverage the data beyond download actions. Continued effort is needed to enhance the capabilities available to users locally and nationally.

This presentation will explore the features of the new platform, outline future opportunity to support improvement to the standard of civil engineering testing, and initiate discussions on expanding the success of NZGD. Attendees will receive valuable insights into recent advancements and contribute to how we foster knowledge sharing and innovative approaches to addressing geotechnical challenges in New Zealand's unique environmental context.

Join us to contribute to how the NZGD can evolve and support the civil engineering testing community, driving efficiency and innovation.