NEW ZEALAND
Society on Large Dams

Sponsored by DAMWATCH ENGINEERING BEYOND THE SURFACE

NZSOLD SYMPOSIUM 2026 PROGRAMME

DAY 1: Understanding Legacy Risk
- Built by the Past, Assessed for the Future

Time	Morning
9.00 AM 9.15 AM	**Mihi whakatau** Room: Batten Room
9.15 AM 9.30 AM	Chair's Welcome ***Andrew Balme,** Genesis*
9.30 AM 9.35 AM	Day 1 Sponsor ***Rebecca Polvere**, Damwatch Engineering*
9.35 AM 10.20 AM	Keynote Presentation Systems approaches to dam safety to build resilience ***Dr Lianne Lefsurd**, University of Alberta, Canada*
10.20 AM 10.40 AM	Managing Dams Legacy Risks in New Zealand ***Brian Benson,** Damwatch Engineering*
10.40 AM 11.10 AM	Morning Tea ***Sponsored by Genesis***
11.10 AM 12.10 PM	Flood hazard, adaptation, and resilience
11.10 AM 11.30 AM	Te Wai Takamori o Te Awa Kairangi/ Hutt River Stopbank Design Challenges ***Dr Rajika Jayaratne, GWRC*** ***Bill Veale & Margela Andrews,** Damwatch Engineering*
11.30 AM 11.50 AM	Back to the Future for Probable Maximum Precipitation ***David Payne**, Mercury*
11.50 AM 12.10 PM	The Importance of Stopbank Breach Modelling for Assessing Legacy Flood Risk in the Hawkes Bay ***Cameron Paintin & Thomas Wallace,** Tonkin & Taylor*
12.10 PM 1.10 PM	**Lunch** ***Sponsored by Genesis***

Time	Afternoon	
1.10 PM 2.45 PM	**Concurrent session 1a: Seismic hazard assessment** Room: Batten Room	**Concurrent session 1b: Surveillance and monitoring** Room: Rutherford Room
1.10 PM 1.30 PM	Seismic Stability Assessment of the Mangamahoe Dams ***Dave Heard & Eli Maynard**, Riley Consultants*	Managing a Dam from Construction through to Operations ***Andrew Kilby,** Damwatch Engineering*
1.35 PM 1.55 PM	Comparison of Seismic Hazard Estimates from RSQSim with Inversion Model from NSHM22: Implications for Dam Engineering ***Govinda Niroula,** Damwatch Engineering*	From Legacy Risk to Managed Risk: A Moawhango Dam Case Study in Evidence-led Rehabilitation and Monitoring ***Andrew Balme**, Genesis &* ***Christopher Davy**, Damwatch Engineering*
2.00 PM 2.20 PM	Enhancing Seismic Risk Understanding for High-Impact Dams through Site-Specific Investigations ***Vis Chen,** Engineering Geology* ***Shreesh Basnyat**, Watercare*	InSAR for Landslide Monitoring. Closing Monitoring Gaps in the Roxburgh Gorge ***Joe Wheeler,** Contact Energy*
2.25 PM 2.45 PM	Modern Seismic Assessment of Existing Concrete Dams: Managing Legacy Risk through Advanced Numerical Modelling ***Dr Mojtaba Farrokh**, Abuild*	Do you know your limits? ***Tim Mills**, Meridian*
2.45 PM 3.25 PM	**Afternoon tea** ***Sponsored by Genesis***	
3.25 PM 3.45 PM	Built to Yesterday's Knowledge, Managed to Today's Standards: The Growing Challenge of Legacy Dam Safety Deficiencies ***Imteaz Bhuiyan**, Mercury* Room: Batten Room	
3.45 PM 4.35 PM	Panel discussion: The Growing Challenge of Legacy Dam Safety Deficiencies **Facilitator: *Imteaz Bhuiyan**, Mercury***	
4.35 PM 4.50 PM	Social Function details, summary of the day, and closing	
6.00 PM 10.00 PM	Social Function - Terrace Kitchen ***Sponsored by Riley Consultants***	