	Monday 16 November 2026			
	Pōwhiri at Whakatū Marae followed by Kura Taiao Bus departs the Rutherford Hotel at 1.30pm			
	Workshops / Special Interest Groups			
	Exhibitors Pack In at Rutherford Hotel 2.00pm - 4.30pm			
	Tuesday 17 November 2026			
7.45am	Registration Desk Open - Rutherford Hotel Foyer			
8.30 - 9.00am	Mihi Whakatau led by Te Tauihu Iwi - including welcomes from NCC Mayor Nick Smith and TDC Mayor Tim King			
9.00am - 9.25am	**Kai Whakanoa**			
9.25am - 9.30am	Organising Committee Welcome - Joseph Thomas and Damian Vellupillai			
Maitai 1 9.30 - 10.15am	**Keynote speaker - James Renwick - Victoria University of Wellington** The Climate Crisis and New Zealand ***Chair: Clare Wilkinson***			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Sessio	**Modelling in the Tasman Region for water management**	**Climate change projections and hydrological impacts**	**Fluvial measurement, morphology and corridor planning**	**Water, communities and mātauranga: people-centred approaches to catchment resilience**
Chair	**Roland Stenger**	**Jing Jang**	**Jon Bell**	**Bryn Quilter**
10.20am-10.40am	Modelling in the Tasman Region : an overview *Joseph Thomas*	Probabilistic modelling of coastal lagoon hydrology under climate change and sea level rise *Richard Measures*	From Pixels to River Beds: Developing a Reliable Optical Bathymetry Workflow for New Zealand Rivers *Matthew Gardner*	Living with Water – Designing Blue-green Corridors for a Flood Resilient Future in Hull, UK. *Carrie Hopkirk*
10.40am-11.00am	Models to support key water management needs *Andrew Fenemor*	Updated estimates of surface water availability under AR6 climate change projections *Christian Zammit*	Give or Take: Surplus-conditional Gravel Allocation in Tairāwhiti and the Case for Nationally Coherent River Gravel Management *Jon Tunnicliffe*	More than Plants in the Ground: Creating Conditions for Communities to Thrive in Catchment Management *Jack Clothier*
11.00am-11.20am	The Waimea Plains integrated surface water-groundwater model *Julian Weir*	Pumped Drainage Schemes to Manage Groundwater in a Climate Changed Future *Eric van Nieuwkerk*	Cross section changes during floods: Measurement systems, database of changes, and model development *Hamish Biggs*	Supporting water-sensitive urban planning in a changing climate: The SpongeCity Toolbox *Hermann Klug*
11.20am-11.40am	The deep Moutere Aquifer system *Ross Hector*	Characterizing changes in riverine flooding under AR6 climate change projections *Christian Zammit*	Wairau River Recharge Reach Proposed Minimum Bed Levels to Maintain Wairau Aquifer Recharge *Peter Davidson*	From recognition to relationship: Braiding mātauranga Māori and hydrological practice *Daniel Collins*
11.40am-12.00pm	Ecological flow setting in the Tasman Region *Roger Young*	Storm-flood Typology Linking Atmospheric Drivers, Moisture Transport and Hydrograph Response: Demonstration in Northland, New Zealand *Shailesh Singh*	How should we delineate river corridors to future-proof room for the river? *Ian Fuller*	Investigation of non-destructive methods for the remediation of rabbit damage in stopbanks *Alistair Stevens*
12.00pm-1.15pm	**Te Tauihu Iwi Presentation - Maitai 1 | Early Career / Student Function - Riwaka Room | Lunch Break - Maitai 2**			

Theme	**Modelling in the Tasman Region for water management (continued)**	**Drinking water risk & capture zone protection (part 1)**	**Nature-based solutions, wetland and riparian restoration**	**Urban rivers and ecological engineering**
Chair	**Roland Stenger**	**Matt Dodson**	**Richard Measures**	**Graeme Smart**
Location	Maitai 1	Riwaka	Wairau	Heaphy
1.15pm - 1.35pm	Whole catchment approaches and incorporation of cultural health across Te Tau Ihu *Neil Deans*	Quantitative gis-based climate vulnerability assessment for drinking water sources *Madeline Inglis*	Stochastic Water Balance Approach to Modelling Wetland or Marshlands *Jim Griffiths*	Fish friendly rock walls; concept designs for interplanted rock walls *Roland Eveleens*
1.35pm-1.55pm	Session discussion *Roland Stenger*	Reporting Waikato Groundwater Source Quality under the Water Services Act *John Hadfield | Nicki Wilson*	Strengthening the case for nature-based solutions by considering freshwater fish and fishery benefits *Robin Holmes*	Halswell River Weed Barrage – An implementation success story *Shaun McCracken*
1.55pm-2.15pm	Review of Tasman District Council hydrometric network *Andrew Fenemor*	Impact of Groundwater Fluoride Concentration on Dental Fluorosis in North Central Province of Sri Lanka *Ashvin Wickramasooriya*	Easton Loop Wetland: A Privately Led Coastal Wetland Restoration Project *Craig Allen*	Assessing Outburst Flood Risk from a Small Supraglacial Lake Using The Modelling Code r.avaflow *Ngima Chhiri Sherpa**
2.15pm-2.35pm	HydroGeological input into Wetland and Mudfish Habitat Creation for offsetting purposes *Catherine Howell*	New approach for SWRMA delineation with limited hydrogeological information *Mike Taves*	Undoing the Squeeze: Farmland to Riverbed Reclamation on an Aggrading Braided River *Forrest Bilek*	Design and Construction of Fish Screen Facilities in Complex Braided River Systems *Paul Morgan*
Theme	**Groundwater isotope & chemical tracers**	**Drinking water risk & capture zone protection (part 2)**	**Braided river dynamics, channel change and corridor management**	**Water policy, governance and allocation**
Chair	**Uwe Morgentern**	**Amir Levy**	**Helen Reid**	**Nicki Wilson**
2.40pm-3.00pm	Geochemical Approaches for Deriving Groundwater Residence Times as Simulation History Matching Targets in Mixed Aquifers *Connor Newman*	Water Source Protection Zones – a look into the French water law framework *Samuel Kelsey*	Defining morphodynamic corridors for river management: evidence from the Pohangina River *Camlo Carter-Ritchie*	Reflections on Participating in Resource Management Processes: Perspectives from Different Sides of the Table *Matt Dodson*
3.00pm-3.20pm		Beyond the Volumetric Cap: Can Alternative Allocation Regimes Improve Water Security and Groundwater-Connected Systems? *Tara Forstner*	The role of low flows and event quiescence on narrowing planform morphology in gravel-bedded rivers *Sophie Horton*	Set a Limit, Watch the Ripples: What-ifs for the Ruataniwha Basin *Ahmed Elwan*
3.20pm - 3.40pm	**Afternoon Tea**			
Maitai 1 3.40pm - 4.40pm	**Keynote Speaker: Simon Upton - Parliamentary Commissioner for the Environment** Ripple Effects: Retaining technical and science capability during sweeping reforms ***Chair: Joseph Thomas***			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	**Groundwater isotope & chemical tracers (cont'd)**	**Drinking water risk & capture zone protection (part 2)**	**Braided river dynamics, channel change and corridor management (cont'd)**	**Water policy, governance and allocation (cont'd)**
Chair	**Uwe Morgentern**	**Amir Levy**	**Helen Reid**	**Nicki Wilson**
4.45pm-5.05pm	Season 2: Episode 1- Sulfur-35 Young Groundwater Dating Method Development and Progress *Vanessa Trompetter*	From Drilling Standard to Groundwater Protection Framework: The Revision of NZS 4411 *Kate Bailue*	Evolution of the Waimakariri River bed from 1856 and long-term groundwater recharge to Christchurch City *Paul White*	Flexibly Rigid: Implementing new science into legacy policy *Sam Yeo*
5.05pm-5.25pm	Multitracer CEC Pilot Study: Part One - Insights from Age and Chemical Tracers *Karen Houghton*	Quantifying the Risk Post-harvest Landslides Pose to Auckland's Drinking Water Supply *Alex Sims*	Braidplain narrowing across Canterbury and drivers behind spatial and temporal variability in braidplain width *Jo Hoyle*	Adaptive Groundwater Management in Practice: Insights from New Zealand and Australian Case Studies *Emma Rhodes*
5.25pm - 5.45pm	Multitracer CEC Pilot Study: Part Two - Insights from Microbiological Tracers *Karen Houghton*	The Evolution of Auckland's Water Supply System and what it means for the future *Sarah Dyer*	Room-to-Move, or Nowhere to Go? Management Legacies and River Futures on the Rangitāiki Plains *Jacqui McCord*	Rivers Don't Pay Taxes: Global Funding Models and Lessons for New Zealand *Jon Bell*
5.45pm - 7.30pm	**Welcome Function - The Vic - Trafalgar St, Nelson**			

	Wednesday 18 November 2026			
Maitai 1 9.00 - 9.50am	**Keynote Speaker: Brad Olsen - Infometrics** Water under pressure: The economics of climate, scarcity, and shocks ***Chair: Peter Davidson***			
9.50am - 10.15am	**Morning Tea**			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	**Irrigation - closing gap between allocation & use**	**Nitrate dynamics**	**Flood forecasting and statistics**	**Urban runoff & regional infrastructure**
Chair	**Andrew Dark**	**Paul Scholes**	**Matthew Gardner**	**Nicci Wood**
10.20am-10.40am	Next generation irrigation demand management tools : overview *John Bright*	Understanding Denitrification Processes in the Complex Heretaunga Plains Aquifers using Water Age and Excess Nitrogen *Uwe Morgenstern*	Flood Forecasting for Recreational River Users *Thomas Jamieson-Lucy*	Seven months to go: A PM account of delivering urban flood infrastructure under hard deadlines *Raechel Frogner*
10.40am-11.00am	How regional councils defne reasonable irrigation water requirements - whats worked and what hasn't *Peter Davidson*	Reconstructing nitrate leaching history around Pukekohe to understand past changes and inform future policy *Connor Cleary & Laura Buckthought*	When Are Marginal Recalibration and Dependence Modelling Needed for Multi-Reservoir Probabilistic Inflow Scenarios? *Yalin Zhang*	Creation of Fluvial Hazard Lines to Underpin Process-based Catchment Management Within the Auckland Region *Helen Reid*
11.00am - 11.20am	Introducing WRF data *Mike Kittridge*	Use of Hysteresis to Characterise the Key Drivers of NO3-N Migration in Groundwater *Justin Legg*	Deep Learning-Based Long-term forecasting of Dam Storage for Drought Outlook *Hyeong Yoon So*	Channel Process Zones: Defining Process Space for Natural Streams in Urbanising Catchments *Danny Klimetz*
11.20am-11.40am	Data generation *Jan Diettrich*	Linking land-surface pressures and groundwater vulnerability to assess nitrate impacts in Canterbury *Mark Trewartha*	Towards ensemble flood impact forecasting: a Westport case study *Celine Cattoen*	Hidden Hazards: Understanding and Managing the Legacy of Rail Irons in Greater Wellington's Rivers. *Amy Bridges*
11.40am-12.00pm	Farmer survey & meta/metered data input *Jenna van Housen*	Building a History of Groundwater Nitrate Impacts, Canterbury Central Plains *Lee Burbery*	Flash Flood Forecasting Method within the Delft-FEWS platform *Mark De Weerd*	Taylors Stream Siphon: a case study on flooding and in-river infrastructure *Helena Grilliot*
12.00pm-12.20pm	Irrigation demand model update *John Bright*	Nitrate management intervention efficacy and groundwater connectivity in the Hekeao/Hinds Plains *Emily McClure*	Rolling with Advantage: Do Decadal Climate Cycles Game Our Flood Statistics *Ben Throssell*	Coupled or coincident? Spatiotemporal characteristics of compound drought–flood transitions across South Korea *Wooyoung Na*
12.20 - 1.40pm	**Poster Session + Lunch**			

Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	**Aquifer characterisation & mapping (part 1)**	**Catchment contaminant processes & water quality**	**Flood flows & rainfall**	**Monitoring**
Chair	**Paul White**	**Paul Scholes**	**Damian Velluppillai**	**Magali Moreau**
1.40pm-2.00pm	Hydrogeological Mapping in the Poverty Bay Flats *Tusar Sahoo*	Deep Learning and Earth Observation for Climate-Driven Spatiotemporal Forecasting of Freshwater Quality, Rotorua, New Zealand *Daniel Teka Berhe*	Developing Actionable Water Predictions Across Large Geographical Domains *Cyril Thébault*	Evaluating the Influence of Groundwater Sampling Method On Groundwater Quality Results *Desmond McCloy*
2.00pm-2.20pm	Wildcatting Groundwater Within an Unexplored Aquifer in Paradise *Jens Rekker*	Hydrological controls on contaminant attenuation in constructed wetlands across diverse pastoral catchments *Brandon Goeller*	One Storm to Rule Them All: When a single event changes our infrastructure design *Michaela Managh*	A Technician's Perspective of Hydrology *Dirk Van Walt*
2.20pm-2.40pm	Deep-learning framework using geological facies and SkyTEM resistivity to characterize 3D hydrogeology, Ruamāhanga, New Zealand *Daniel Teka Berhe*	Using high-frequency data to disentangle the spatiotemporal variability in concentration-discharge relationships *Roland Stenger*	Large-sample emulation for hourly streamflow prediction in ungauged catchments across New Zealand *Cyril Thébault*	Challenges and pressures on our hydrometric network *Suzanne Gabites*
2.40pm-3.00pm	Analysis of the state of groundwater levels in Otago aquifers *Amir Levy*	Detectable but not imminent, improving but not delivering: nutrient trends in New Zealand rivers *Reza Moghaddam*	Using models to predict damage *Mark Pennington*	Optimising Groundwater EDNA Monitoring: Comparing Sample Volumes and Temporal Dynamics in New Zealand Aquifers *Judith Webber*
3.00pm-3.20pm	Aquifer Tests Big & Small – What Difference Does Test Pumping Rate Make on Results? *Jens Rekker*	Using Emerging Organic Contaminants to Trace Groundwater Contamination Sources in Private Drinking Water Supplies *Laura Banasiak*	Invalidating the PMP? Precipitation Records from Cyclone Gabrielle *Oscar Barrett-Garnier*	
3.20pm-3.50pm	**Afternoon Tea**			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	**Aquifer characterisation & mapping (part 2)**	**Hybrid and data-driven modelling: from physics to machine learning**	**Flood flows & rainfall**	**Geomorphology**
Chair	**Carl Hanson**	**Andrew Fenemor**	**Tim Kerr**	**Ian Fuller**
3.50pm-4.10pm	National 3D Facies Dataset for New Zealand Groundwater Assessments: Progress and Application *Magali Moreau*	Hydrological modelling: Physically based, Machine learning, or Physics-Informed Machine Learning? *Jing Yang*	Te Waihora: A Scenario-Based Water Balance Approach to Forecasting *Lucy Just*	Sediment, Rivers, and Resilience: Lessons from the European Danube Basin *Hermann Klug*
4.10pm-4.30pm	Hydrogeochemical Evolution and Multi-Tracer Assessment of Salinity Sources in the Tauranga Low-Temperature Geothermal System, NZ. *Paul Scholes*	Stochastic Multi-variable Climate Realisation Generation for Predictive Groundwater Modelling: Application to an Irrigated River Basin *Brioch Hemmings*	The Curious Case of the Victoria Nile *David Leong*	When methods matter: The influence of analytical decisions on sediment load assessments at Lake Waikare *Britt Albers*
4.30pm-4.50pm	Beyond the Nitrate Emergency: Can Good Management Turn Things Around? *Helen Rutter*	Development of a Machine Learning-Based Soil Moisture Data Interpolation Model *Taegyun Kim*	Quantifying the range of extreme precipitation events to 2100 across Aotearoa. *Palita Loyda*	Applying the D-CASCADE sediment routing model to stage-dependent storage in diverse fluvial systems *Justin Rogers*
4.50pm-5.10pm		Spatial Assessment of Heatwave Risk using Integrated Climate and Socioeconomic Data: Implications for Water-sensitive Adaptation *Boyoung Heo*	Capturing Precipitation Efficiency: An Event-Scale Stable Isotope Study in New Zealand *Anita Brennan**	
5.30pm-6.30pm	**NZHS AGM - Maitai 1 | Rivers Group AGM - Riwaka Room**			
from 7.00pm	**ENVCO Social Function | The Waka, 58 Collingwood St, Nelson**			

	Thursday 19 November 2026			
Maitai 1 9.00am-9.50pm	**Keynote Speaker: Clare Feeney - Strategic Environmental Training Institute** Making Waves: the Little Ripple that Could ***Chair: Damian Velluppillai***			
9.50am - 10.15am	**Morning Tea**			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	**Coastal Aquifer response to sea level rise**	**Hydrogeology chemistry, contamination & stygofauna**	**Lessons & planning for changing climate**	**Climate processes, weather and precipitation**
Chair	**Scott Wilson**	**Lee Burbery**	**Danny Klimetz**	**Doug Booker**
10.20am-10.40am	Delineating Freshwater-saltwater Interface Complexity in a Coastal Aquifer using Electrical Resistivity Tomography *Sajeewa Ranmadugala*	Microbial source tracking (MST) identifies different microbial health risks in freshwater contaminated from different sources *Sarah Coxon*	From Ripples to Resilience: Scheme Reviews in a Changing Climate *Ramon Strong*	Spatial Climate Analogues *Graeme Smart*
10.40am-11.00am	Salinity-driven changes in pathogen transport: Implications for groundwater quality and climate change adaption *Laura Banasiak*	Groundwater chemistry in deep wells west of Christchurch, New Zealand *Carl Hanson*	Lessons from Louisiana: Living with Water *Amanda Anthony*	The influence of climate modes on river flow extremes in Waikato *Daniel Collins*
11.00am - 11.20am	Managing Saline Intrusion: Integrating Microbial Functional Responses into Council Risk Frameworks *Karen Houghton*	Using Biological Indicators to Improve Assessment of Aquifer Condition: An Example from Otago Region *Louise Weaver*	From Site Assessments to Regional Learning: post-Cyclone Gabrielle geomorphology across rural Hawke's Bay *Will Conley*	Future Daily Weather for Water Resources Planning, Decision Support, and Risk Assessment *Nick Martin*
11.20am-11.40am	Saline intrusion risks to the Rarangi Shallow Aquifer *Neil Thomas*	Jollies Pass Road – Using Leapfrog to visualise temporal changes to contaminant plume behaviour *Katy Grant*	One programme, many changing rivers: Tairāwhiti's Flood Resilience Programme *Mark Hooker*	Rainfall Revisited: Lessons from a Kopanga Gauge Anomaly in the 2011 Hawke's Bay Easter Storms *Cristian Hadad*
11.40am-12.00pm	Shallow aquifers at the coast of Christchurch City; possible implications for groundwater system management *Conny Tschritter*	Groundwater quality monitoring optimisation's second case study: Manawatu-Whanganui *Magali Moreau*	Geospatial Insights for Future Resilience: Supporting Tasman's 2025 Rivers Flood Recovery Programme *Reuben Peterson*	From Rainfall to Landslide: Developing a National Framework for Aotearoa New Zealand *Rasool Porhemmat*
12.00pm-12.20pm	Managing Saline Intrusion in the Havelock Community Water Supply, Marlborough *Nic Love*	Sampling the Deep Vadose Zone: Revisiting an Enduring Challenge *Helen Rutter*	Impact-based Flood Forecasting for Pacific Island Countries: A Regional Framework *Channa Rajanayaka*	
12.20-1.20pm	**Lunch**			

Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	**Global perspectives, extremes and the water–energy nexus**	**AI, machine learning and computational advances**	**Climate processes continued**	**Aquifer challenges**
Chair	**Peter Davidson**	**Daniel Collins**	**Graeme Smart**	**Jens Rekker**
1.20pm-1.40pm	New Zealand's groundwater level status and trends in a global context *Magali Moreau*	What We Choose to Ignore: Chasing Errors in Hydrological Modelling *Thomas Wöhling*	A high-resolution reconstruction of seasonal snow across Aotearoa 1990-2019 *Jono Conway*	Flooding from below: evidence for a groundwater contribution to surface flooding in Dunedin, October 2024 *Simon Cox*
1.40pm-2.00pm	Do Matched Joint Return Periods Imply Similar Compound Flood risk Patterns? *Xiao Chen*	GPU acceleration: the final frontier for groundwater modelling? Introducing DarcyWarp *Patrick Durney*	Give Me Some Direction – Spatial Rainfall for Runoff Modelling *Lennie Palmer*	AI Optimisation of Groundwater Monitoring Networks: A targeted Proof of Concept for wider environmental surveillance *Michael Hayford*
2.00pm-2.20pm	A Hydrological Cycle: The Road to Nelson Pier - A Hydrological Tiki Tour from Christchurch. *Lee Burbery*	Practical AI Integration in Environmental Models: A Hawke's Bay Groundwater Model Example *Pawel Rakowski*	Snow Melt Flood Forecasting for Southland *Tim Kerr*	Transient Groundwater Seepage Modelling for West Coast Stopbank Upgrades *Cameron Jasper*
2.20pm-2.40pm	The Bhote Koshi disaster of August 2026 in Nepal-China: an overview and perspective from a computer in New Zealand *Simon Cox*	Generalisable and Verifiable Neural Networks for Rapid Flood Assessment *Jaco Fourie*	Review of Maximum Possible Precipitation: Waikato Hydro Scheme *Oscar Barrett-Garnier*	
2.40pm-3.00pm	Reconnecting Rivers Safely: Modelling Flood Impacts of Weir Removal and Fish Passage in New Zealand *Greta Stuthridge*	From Forecast To Action: Machine-Learning Flood Forecasting Within The Safer Framework *Bertrand Salmi*	Development of a drought prediction model based on the reproducibility of past patterns using Multi-indices *HyeonCheol Yoon*	
3.00pm-3.30pm	**Afternoon Tea**			
Location	Waimea Room - note room change for dinner set up	Riwaka	Wairau	Heaphy
Theme	**Water allocation & irrigation resilience**	**River - aquifer interaction**	**Remote sensing, mapping & national datasets**	**Geomorphic and ecological river restoration**
Chair	**Channa Rajanayaka**	**Peter Davidson**	**Christian Zammit**	**Helen Reid**
3.30pm-3.50pm \	Water management of aquifers and rivers after the RMA : behaviours and boundaries *Paul White*	Groundwater-surface water exchange processes in alluvial rivers *Scott Wilson*	Remote sensing for hydrology: Irrigation storage reservoirs, dynamic land cover, and flood inundation *Hamish Biggs*	Supporting resilience na te puna o-Pueto ki te awa o Waikato: A restoration case study *Robin Gerding*
3.50pm-4.10pm	Setting up a groundwater resilience modelling case-study in Central Canterbury. *Andrew Dark*	An Age-source-spatiotemporal Dynamics Framework for Holistic Assessment of Groundwater/surface-water Exchange *Connor Newman*	Mapping Irrigated Area in Canterbury: 1970-1999 *Philippa Aitchison-Earl*	Planting with purpose *Selene Conn*
4.10pm-4.30pm	How Reliable Is Your Water? Rethinking Allocation Limits under Climate Change *Jan Diettrich*	Using Nature-based Solutions to Reduce Flooding and Improve Groundwater Recharge: A Hawke's Bay Case Study *Isabelle Farley*	A national digital network containing rivers, lakes, canals, and surface pathways; generating, checking, and comparing *Doug Booker*	Stream Rehabilitation and Stream Daylighting in Auckland: Practical Lessons from Twenty-Five Years of Delivery *Mark Lewis*
4.30pm-4.50pm	Reading the Ripples - using groundwater levels to set and manage allocation limits *Connor Cleary*			Geomorphic river restoration in Aotearoa-New Zealand: where are we now and where could we go? *Clare Wilkinson*
4.50pm-5.00pm	**Mihi Whakakapi / Poroaki from the Haukāinga | Te Tauihu Iwi | Conference Close - Waimea Room**			
6.30pm-11.30pm	**Conference Dinner - Rutherford Hotel**			
	Friday 20 November			
8.00am	Conference Field Trip - Bus departs Rutherford Hotel at 8.00am - meet at 7.45am			