

2025 Technical Workshop Programme

Tuesday 25 th March			
Time	Item	Speaker	Organisation
9:30	Registrations Open - Tea & Coffee Available		
10:00	Welcome to Technical Workshop & Hamilton. Opening address by Pamela Storey, Chair of Waikato Regional Council	Pamela Storey	Waikato Regional Council
10:20	Keynote Session #1 - An Overview of Hydrological Survey in Korea	Jaehyun Song	Korea Institute of Hydrological Survey
10:40	The Little Things All Add Up	Mic Clayton	Cooma, Australia
11:00	TQ-Tracer: Tracer dilution as the better alternative to Current meters	Christoph Sommer	Sommer
11:20	TQ-Tracer: AI to help in tracer dilution measurements	Christoph Sommer	Sommer
11:40	Interagency and Public Data Dissemination	Klaus Kisters	KISTERS
12:00	Lunch		
13:00	Interactive Session: Guess the River	Evan Baddock	NIWA
13:15	New high frequency water quality guidance	Lucy McKergow	NIWA
13:35	Navigating the Challenges: A Field Technician's Journey with NEMS in Discrete Water Quality Monitoring	Rebecca Skansie	Environment Canterbury
13:55	NEMS Open Channel Flow Measurement Update on behalf of Steering Committee	Evan Baddock	NIWA
14:15	Interactive Session: NEMS	Breakout Group Work	
15:00	Afternoon Tea		
15:20	Trade Stands	Sponsors & Trade Stand Reps	
16:30	Discussion about Biosecurity Requirements for Gauging Regatta	Waikato Regional Council	
17:00	Welcome Drinks - All invited	<i>Ibis Hotel, 18 Alma St, Hamilton</i>	

Wednesday 26 th March – Gauging Regatta / Field Day		
Time	Item	Details / Venue
9:00	Meet at field site on Waikato River	Meet at Waikato Sport Fishing Club, 499 Grantham Street, Hamilton Central. Parking is available.
14:00	Tour of Hills Laboratory TQ-Tracer Workshop Scottech Workshop ALL OPTIONAL	Bus for 30 people leaving Claudelands at 14:00 to Hill Labs, or make your own way there. TQ-Tracer & Scottech workshops at Claudelands.

Wednesday 26 th March – Data Day			
Time	Item	Speaker	Organisation
8:30	Arrival Tea & Coffee		
9:00	Data Day Welcome & Introduction	Angela Perks, Jennifer Tregurtha	BOPRC ECAN
9:10	AI-based Anomaly Detection in Stream Water Level Data	Chanwoo Kim	Korea Institute of Hydrological Survey
9:30	Session 1: Discussion Topics		Small Group Discussions
10:00	Session 1: Reporting Results to Room		Group Representatives
10:15	Morning Tea Break		
10:45	Processing Continuous Water Quality Data – Turning Dirty Data into Clear Trends	Ebi Hussain	Submerged Environmental
11:05	Session 2: Discussion Topics		Small Group Discussions
11:45	Session 2: Reporting Results to Room		Group Representatives
12:00	Lunch Break		
12:45	Community-based Monitoring (CBM) in Action	Courtney Bosse	EOS Ecology
13:05	Session 3: Discussion Topics		Small Group Discussions
13:35	Session 3: Reporting Results to Room		Group Representatives
13:50	Data Day Wrap Up & Close	Angela Perks, Jennifer Tregurtha	BOPRC ECAN
14:00	Tour of Hills Laboratory, TQ-Tracer Workshop, Scottech Session (All optional)		Bus for 30 people leaving Claudelands at 14:00 to Hill Labs, or make your own way there. TQ-Tracer & Scottech workshops hosted at Claudelands.
17:30	Social Event proudly sponsored by Envco. All welcome		Hamilton Cosmopolitan Club, 32 Claudelands Rd

Thursday 27 th March			
Time	Item	Speaker	Organisation
8:30	Arrival Tea & Coffee		
9:00	Keynote Session #2 - Constructed wetlands treating farm runoff: performance and lessons learned measuring nutrient and sediment attenuation	Brandon Goeller	NIWA
9:20	Challenges of Monitoring in the Whangamarino Wetland	Lee Boon & Morgan Harvie	Pattle Delamore Partners Ltd
9:40	Making the most of our data for Drought Management – Lessons about Situational Awareness from the UK and NZ	Divesh Mistry	Gisborne District Council
10:00	Another Dimension to Hydrological Data	Daniel Wagenaar	Xylem
10:20	Morning Tea		
10:50	Keynote Session #3 - Operation of Discharge Measurement Station and Utilization of Hydrological Survey Data in Korea	Hwansuk Jin	Korea Institute of Hydrological Survey
11:10	Non-Contact Radar: Surface Radars as powerful measurement systems in mobile and stationary solutions	Michael Sommer	Sommer
11:30	Non-Contact Radar: Radar and AI	Michael Sommer	Sommer
11:50	Interactive Session: Kahoot! Hydrological Quiz	Jennifer Tregurtha	Environment Canterbury
12:10	Lunch		
13:10	Panel Session - From Waders to Widgets: Tradition, Technology, and the Future of Hydrology	Facilitated by Joe Gendall (Watercare) - Panel members: Tane McFaddon (WRC), Mic Clayton (Cooma, Aust), Evan Baddock (NIWA), Wendy Purdon (GWRC)	
14:00	Validating High Flow Rating Curves: A Comparative Approach Using Slope Area, STIV, and Radar Gun Gaugings	Reuben Stuart and Pete Mason	West Coast Regional Council
14:20	New HFWQ sensor selection guidance – optical nitrate, optical DO, temperature and EC	Lucy McKergow	NIWA
14:40	Radio Network Upgrade	Kiri Mason	Greater Wellington RC
15:00	Afternoon Tea		
15:30	Are We Getting Better?	Phil Downes	Environment Canterbury
15:50	Water quality and quantity measurements in the field. Frequently asked questions.	Dirk van Walt	Van Walt Ltd
18:00	Formal Workshop Dinner & Drinks	<i>Vilgrad Winery, 702 Rukuhia Road</i>	

Friday 28 th March			
Time	Item	Speaker	Organisation
8:30	Arrival Tea & Coffee		
9:00	Reflecting on our first 365 days in field hydrology – growth through collaboration	Madison Ganicz-White and Campbell McCusker	Auckland Council
9:20	Wai-Spy – Something old, something new, something borrowed, something blue	Alex Vincent	NIWA
9:40	The trials and tribulations of Horseshoe Lagoon	Julie Grant and David Ashby-Coventry	Environment Canterbury
10:00	Morning Tea		
10:30	Marlborough District Council Flood Network Risk and Resilience Review 2024	Emma Chibnall	Marlborough District Council
10:50	Flood Network Performance Standards	Georgia Spankie	Greater Wellington RC
11:10	Technical Workshop Prize Giving	Committee Member(s)	
11:30	Close of Workshop		