

Stormwater 2024

15–17 May | Tākina Wellington Te Whanganui-a-Tara

PRELIMINARY PROGRAMME

THURSDAY 16 MAY 2024						
07:00	REGISTRATION OPENS					
08:00 – 09:00	PANEL DISCUSSION: CAN WE ENABLE INVESTMENT THROUGH SUSTAINABLE FINANCE? FACILITATED BY BRAD TILLER – TONKIN + TAYLOR INCLUDING: SAM STUBBS - SIMPLICITY (NZ), TONIA HASKELL – WELLINGTON WATER, HELMUT MODLIK - TE RŪNANGA O TOA RANGATIRA, DEAN SPICER – ANZ, AND DAVID HALL – TOHA [RONGOMĀTĀNE PLENARY HALL]					
09:00 – 10:00	INNOVATION SHOWCASE – [RONGOMĀTĀNE PLENARY HALL]					
	EMC Industrial Group Ltd Leveraging Remote Sensing to Detect, Monitor and Predict Water Quality & Stormwater Events: An AI-Driven Approach	Hydroflow Civil Water Management Solutions	Beca Embracing Change Through Innovation: The Pipe-I Robot	Auckland Council Property-Level Flood Risk Assessment Framework	Stantec Stantec Flood Predictor: Machine Learning For Rapid Flood Forecasting	Integroup Ltd Construction of an Industry- Leading Recovery Facility
10.00 – 10:30	MORNING TEA [EXHIBITION AREA]					
AM SESSIONS	WATER QUALITY [RONGOMĀTĀNE A]	KŌRERO, ATUATANGA AND TE TAIAO, AND SW STORIES [RONGOMĀTĀNE B]	WATER QUANTITY [RONGOMĀTĀNE C]		WORKSHOPS 4 & 5 [MATIU]	
10:30 – 11:00	WILL WATER SENSITIVE URBAN DESIGN RESULT IN MEASURABLE IMPROVEMENTS IN ECOLOGICAL HEALTH OF URBAN STREAMS? Karine Borne – NIWA	TE MANA O TE WAI - INDUSTRY KŌRERO Sarah Nolan – Auckland Council, James Armitage – Holmes and Mereana Taungapeau – Local Government NZ	SPONGIFYING OUR CITIES - WHAT CAN WE LEARN FROM CHRISTCHURCH'S TWENTY YEAR "EXPERIMENT" Liam Foster – WSP		WHOSE LINE IS IT ANYWAY?- ADDRESSING SHARED MANAGEMENT OF WATERCOURSE AND STORMWATER INFRASTRUCTURE FOR URBAN AND RURAL STORMWATER Facilitated by Alistair Allan – WSP, Uki Dele – Wellington Water, Andy Brown – Greater Wellington Regional Council & Graeme Campbel	
11:00 – 11:30	PROGRESS IN DEVELOPING A METAL ISOTOPE TOOLKIT FOR IDENTIFYING METAL SOURCES IN THE ENVIRONMENT Dr Jenni Gadd – Hydrotoxy Research	ATUATANGA AND TE TAIAO: A TE TAI TOKERAU WORLDVIEW ON WATER MANAGEMENT AND ETHICAL DECISION-MAKING Troy Brockbank – Beca and April Nordstorm - Northland Regional Council	WHAT DO WE DO WHEN ADDING CAPACITY MIGHT NOT ADEQUATELY REDUCE FLOOD RISK? Dr Laura Robichaux – Beca			
11:30 – 12:00	ASSESSING THE PERFORMANCE OF STORMWATER TREATMENT FACILITIES IN SUBURBAN CHRISTCHURCH Ella Harris – Pattle Delamore Partners	EMBRACING INTERNATIONAL PRACTICE TO TRANSFORM AOTEAROA'S STORMWATER MANAGEMENT – LESSONS FROM A WINSTON CHURCHILL FELLOWSHIP Josh Irvine – WSP	COULD SOMEONE PLEASE TURN DOWN THE VOLUME? UNPACKING MYTHS, MISUNDERSTANDINGS AND OPPORTUNITIES WITH STORMWATER RETENTION Stu Farrant – Morphem Environmental			
12:00 – 12:30	PERFORMANCE ASSESSMENT OF STORMINATOR™ BARREL: A DISSOLVED METAL TREATMENT SYSTEM Frances Charters – University of Canterbury	STORMWATER MANAGEMENT IN THE WAIKATO: AN UNEXPECTED JOURNEY Stu Joyce – Morphem Environmental	RECENT EXPERIENCES PLANNING FOR STORMWATER VOLUME TARGETS Dr Alex Sims – Alluvium Consulting			
12:30 – 13:30	LUNCH [EXHIBITION AREA]					

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THURSDAY 16 MAY 2024 (continued)							
	POSTER Q&A SESSION [EXHIBITION AREA]						
	<u>IMPROVING ROAD STORMWATER RUNOFF QUALITY THROUGH TETRATRAP IMPLEMENTATION</u> John Tetteroo - GHD	<u>THE 3 STAGES IN IDENTIFYING GHG EMISSIONS IN STORMWATER PROJECTS</u> Kevin Manalo – Massey University	<u>INTEGRATING WSUD MODELLING, DESIGN, CONSTRUCTION & MAINTENANCE</u> Mircea Stancu – Cleanstormwater	<u>THE ART OF NZ MANHOLE DESIGN</u> Timothy Strang – Wellington Water	<u>SPACE TO SATURATE</u> Kenya Ashcroft & Liam Foster – WSP	<u>SUSTAINING PLANT LIFE IN HIGH HYDRAULIC CONDUCTIVITY MEDIA</u> Julia Watson & Kevin Jonathan – Stormwater360	<u>UNVEILING STORMWATER MANAGEMENT: KEY DIFFERENCES BETWEEN GREENFIELD AND BROWNFIELD SITES</u> Ricky Kiddle & Kobe Daniel - Woods
FIRST PM SESSIONS	SYSTEMS, SEDIMENT AND SKILLS [RONGOMĀTĀNE A]		RENEWED AND REFRESHED [RONGOMĀTĀNE B]		INFRASTRUCTURE [RONGOMĀTĀNE C]		WORKSHOP 6 [MATIU]
13:30 – 14:00	<u>FIXING WATER WITHOUT BREAKING THE BANK</u> David Norman – GHD		<u>RED ZONE RENAISSANCE: ŌTĀKARO/AVON RIVER CORRIDOR REGENERATION - LEARNINGS FROM THE WAITAKI STREET STORMWATER PROJECT</u> Zoe Evans – GHD & Mark Penrice – Christchurch City Council		<u>REGENERATIVE STORMWATER MANAGEMENT: A SYSTEMS THINKING APPROACH</u> Josh Hodson – Tonkin + Taylor		Facilitated by Hugh Blake-Manson – Waugh Infrastructure Including: Assoc. Prof. Theuns Henning, Prof. Asaad Shamseldin and Dr. Colin Whittaker – University of Auckland
14:00 – 14:30	<u>DON'T LANDFILL! STORMWATER POND SEDIMENT MAY BE BENEFICIALLY USED AS SOILS AND SOIL AMENDMENTS</u> Dr Robyn Simcock – Manaaki Whenua Landcare Research NZ		<u>FROM ASSUMPTIONS TO FACTS, SHIFTING THE CONVERSATION TO BETTER MANAGE TIME, EFFORT, AND MONEY</u> Abi Croutear-Foy – AquaWatch Solutions		<u>EMBRACING CHANGE THROUGH INNOVATION: THE PIPE-I ROBOT</u> Marcus Hall – Beca		
14:30 – 15:00	<u>ORPHAN CHILD, INVISIBLE GORILLA, DUNG BEETLE ...? THE POWER OF ENVIRONMENTAL SECTOR ASSOCIATIONS TO SAVE THE WORLD</u> Clare Feeney – Environmental Communications		<u>THE \$GREEN BENEFITS OF WATER SENSITIVE DESIGN</u> Linda Norman – ACH Consulting		<u>CASHMERE VALLEY, APPLYING DAM PRINCIPLES TO STORMWATER</u> Petra O'Bery – Stantec		
15:00 – 15:30	AFTERNOON TEA [EXHIBITION AREA]						

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SECOND PM SESSIONS	AUCKLAND CASE STUDIES [RONGOMĀTĀNE A]	NETWORK PERFORMANCE [RONGOMĀTĀNE B]	FLOOD DEBRIS [RONGOMĀTĀNE C]	URBAN SW INTERACTIONS [MATIU]
15:30 – 16:00	<u>MAXIMISING THE BENEFITS OF AUCKLAND COUNCILS FISH PASSAGE REMEDIATION PROGRAMME THROUGH A REGIONWIDE GLOBAL CONSENT</u> Jenny Vince – Beca & Colleen Brent – Auckland Council	<u>THE WAIWHETŪ STREAM: A RESTORATION PARTNERSHIP</u> Wellington Water	<u>CONSIDERATIONS FOR DYNAMIC FLOOD-BORNE DEBRIS IMPACT LOADS</u> Reza Shafiei – Beca	<u>ASSESSING THE IMPACT OF WET WEATHER OVERFLOWS USING EFFECTS-BASED ASSESSMENT</u> Kalyan Chakravarthy – DHI Water & Environment
16:00 – 16:30	<u>BEST FOR AUCKLAND STORMWATER OUTCOMES FOR EASTERN BUSWAY</u> Paul May – Jacobs	<u>MONITORING & EVALUATING STORMWATER NETWORK PERFORMANCE IN TĀMAKI MAKĀURAU (AUCKLAND)</u> Gemma Chuah – Auckland Council	<u>ROOM TO MOVE: ACCOMMODATING WOODY DEBRIS IN STREAM CHANNELS AS FISH AND INVERTEBRATE HABITAT</u> Brendan Hicks – Morphum Environmental	<u>URBAN STOCK WATER RACES AND THE DILEMMA OF OBLIGATIONS</u> Stephen Stern – AECOM
16:30 – 17:00	STORMWATER GROUP – ANNUAL MEETING OF THE STORMWATER SPECIAL INTEREST GROUP - [MATIU]			
19:00 – 23:00	STANTEC CONFERENCE DINNER & INDUSTRY AWARDS – TE PAPA, WELLINGTON FOYER			