Hydrology & Water Resources Symposium 2025

Charting resilient futures

25 - 28 November 2025 | Hyatt Hotel, Canberra

National Committee on Water Engineering

Hydrology and Water Resources Symposium 2025
25 - 28 November 2025
Hyatt Hotel Canberra

As at 23 November 2025 and subject to further updates

Tuesday, 25 November 2025

Time	Hyatt Hotel Foyer
18:00	WELCOME RECEPTION
19:00	
20:00	

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Detailed Program

As at 24 November 2025 and subject to further updates

Wednesday, 26 November 2025

Time	Federation Ballroom
09:00	**Official Opening and Keynote Session.** Keynote Speaker - Prof Shahbaz Khan, UNESCO Director East Asia
10:30	Morning Tea

Room	North Ballroom	South Ballroom	Murrumbidgee Room	Black Mountain Room	Mount Ainslie Room
	1.1 - NHRA	**1.2 - Urban Water Modelling**	**1.3 - Murray-Darling Basin**	**1.4 - Droughts**	
Chair	Andrew Gissing	Brett Phillips	Francis Chiew		
11:00	Living with floods: Rethinking risk through research Panelists: **Andrew Gissing,** CEO, Natural Hazards Research Australia **Professor Amisha Mehta,** Program lead, QUT Resilience Centre, QUT Business School **Steve Muncaster,** Principal Advisor, Emergency Management Reform, Victoria SES **Christopher Pickett-Heaps,** Researcher, Bureau of Meterology	12: A model-based assessment of infrastructure and non-infrastructure management options for algal bloom mitigation in an urban lake **Sayani Dey,** Isobel Booksmythe, Andrew Kahn, Katie Miller, Woo O'Reilly, Ralph Ogden, Danswell Starrs	29: Towards an evidence-based framework to inform river salinity risk assessment and management in the NSW Murray-Darling Basin **Alec Jagger,** Danlu Guo, Anthony Jakeman, Allan Nicholson, Denise Lalor, Joseph H.a. Guillaume, Barry Croke, Qian Wang	64: Evaluation of Meteorological, Agricultural, and Hydrological Drought Indices and Base Period Effects in Victoria, Australia **Minuri Silva,** Shirley Gato-Trinidad, Iqbal Hossain	
11:20		79: Which flow metrics may best capture catchment-scale hydrological impacts of WSUD? **Congying Li**	32: Climate projections to assess regional water availability in the Murray Darling Basin **Anjana Devanand,** Francis Chiew, Zaved Khan, David Post, David Robertson, Hongxing Zheng, Michael Grose	65: Australia climate trends, drivers and forecasts – water resources planning in the context of uncertainty **Russell Beatty,** Pavel Kozarovski, Ian Varley	
11:40		109: Does the Calibration Metric Matter for Estimation of Urban Design Floods? Vu Phuong Tran**, James Ball,** Nic Surawski	42: ACT water resource assessment: historical patterns and predictions for the future **Andrew Kahn,** Sayani Dey, Danswell Starrs, Baihua Fu	76: Annual storage outlook projections incorporating seasonal streamflow forecast and ENSO outlook **Kim Seong Tan,** Brad Neal, Declan O'Shea, Rob Yurisich	
12:00		143: Impact of incremental change in climate reference period length on water availability in Victoria **Julia Tan,** Brad Neal, Jacqui Lloyd, Sandra Dharmadi, Patrick Russell, Katherine Szabo, Kate Austin, Geoff Steendam	47: Forecasting irrigation demands to support operational decision making on the River Murray **Hugh Ebbs**	149: Artificial Neural Networks for the prediction of bushfire using climate indices: a case study for Victoria **Monzur Imteaz, Afsin Islam,** Iqbal Hossain	
12:20	Lunch				

Room	North Ballroom	South Ballroom	Murrumbidgee Room	Black Mountain Room	Mount Ainslie Room
	2.1 - Flood Statistics	**2.2 - Water Management with Climate Change**	**2.3 - Environmental Flows and Water Quality**	**2.4 - Hydroinformatics**	**2.5 - Climate Change Floods and Water quality**
Chair	Michael Leonard	Christopher Pickett-Heaps	Anjana Devanand	Marlene van der Sterren	James Charalambous
13:50	3: Are LP3 and GEV Fit-for-Purpose in Flood Frequency Analysis? **George Kuczera,** Vincenzo Totaro, Vito Iacobellis, Monique Retallick, Mark Babister	25: Using resilience and pathway diversity to couple farmer and policy decisions in an integrated water model in the Lower Campaspe catchment **Vitor Hirata Sanches,** Steven J. Lade, Sarah Clement, Joseph H. A. Guillaume, Takuya Iwanaga	22: Transport and Deposition of Bacteria in Copper-Modified Zeolite Biofilter Media for Stormwater Treatment **Supun Meegahakumbura** Yali Li, Gayani Chandrasena	140: A pilot study in the Namoi River to visualise and communicate uncertainty in flood forecasts **Fiona Johnson,** Hui Zou, James Ball, Romeo Gaubert, Michelle Whitford	112: An Improved Method for Adjusting Rainfall time series to account for Climate Change Impact **Eric Lam**

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14:10	8: Discordance in design flood models and flood frequency analyses: is it the design rainfall estimates? **Richard Sharpe**	6: Is nature restoration on floodplains an alternative agribusiness? Lessons learned at the science-governance-finance nexus Grantley Smith, Emma Carmody, **Duncan Rayner**	161: Clearly defining environmental water needs in a competitive water market **Lisa Duncan, Wira Yan**, Simon Treadwell, Fiona Gilbert	11: Comparison of Artificial Neural Network and Index Flood Method for Regional Flood Frequency Analysis in Victoria, Australia **Nilufa Afrin**, Ataur Rahman, Khaled Haddad	63: Fast-Tracking Climate Adjustments in Legacy Flood Models **Tim Craig,** Declan O'Shea, Andrew Northfield
14:30	136: Adjusting FFA for Climate Change **Harrison Babister,** Mark Babister, Monique Retallick	4: Assessing ACT's water security vulnerability due to climate change **Baihua Fu,** Danswell Starrs, Sayani Dey	28: Dynamic Water Management in Wetlands: A Feedback-Driven, History-Informed Optimisation Framework **Rebecca Carlier**	18: Artificial intelligence in rainfall-runoff modelling: a comparative exploration with 561 Australian catchments **Jason Hunter**	30: A business case for Monte Carlo flood hydrologic analysis in a changing climate **Lisa Holden**
14:50	36: Evaluating empirical estimation techniques for 170 ungauged catchments **Hayden Guse,** Rhys Cullen, Luke Gericke	55: Assessing the Impacts of Climate Change on Saline Dynamics on NSW Estuaries **Daniel Gilbert,** Margot Mason, Alice Harrison	165: Flow for Frogs - Toadlet-focused Water Management at Devilbend Reserve **Wira Yan,** Simon Treadwell, James Burkitt, James Frazer	72: Assessing the Predictive Value of Paired Climate Drivers for Victorian Spring Streamflow Using Artificial Intelligence **Sabrina Bani**	7: Sustaining water quality under climate change **Jason Alexandra**
15:10	137: Improving Flood Frequency Analysis by Incorporating Empirical Regional Priors **Charlotte Gaynor,** Jayden Fraser, Mark Babister, Harrison Babister, Monique Retallick	160: A collaborative and innovative approach to water resilience in South Australia **Annie Charlton,** Madeleine Greenlee, James Thonder	74: Water quality model for burned catchments in Australia **Petter Nyman**	123. Quantum Innovations for Water Resilience: Sensing, Computing and Communication **Chitresh Saraswat**, Katherine Daniell	27: Assessing and identifying potential improvements to water quality models with graphical evaluation methods **Qian Wang,** Danlu Guo, Joseph Guillaume, Barry Croke, Anthony Jakeman
15:30	**Afternoon Tea**				
Room	**North Ballroom**	**South Ballroom**	**Murrumbidgee Room**	**Black Mountain Room**	**Mount Ainslie Room**
	3.1 - Rating curves	**3.2 - Cold Hydrology and General Hydrology**	**3.3 - Groundwater systems and Water Management**	**3.4 - Climate Change**	**3.5 - Planning for Floods**
Chair	**Stefan Felder**	**Kirsten Adams**	**Hannah Feldman**	**Julian Orth**	**Laurence Allan**
16:00	153: Quantification of Rating Extrapolation Levels in Australian Hydrologic Datasets **Ted Rigby,** Anthony Barthelmess	75: Assessing hydrological impacts of snow-dwindling in alpine headwaters across Southeast Australia **Hongxing Zheng,** Francis Chiew, David Post, David Robertson, Zaved Khan, Anjana Devanand	144: Climate-driven variability in groundwater extraction by Eucalyptus globulus plantations in South Australia's Lower Limestone Coast **Pasindu Karunatilaka,** Baden Myers, Guna Hewa, Beng Umali, Jim O'Hehir	99. Utilising Local Rainfall Intensity, Temperature and Storm Tide Relationships in Systems Frameworks to Downscale Climate Change Forecasts **Peter Coombes**	43: Extreme Flood Estimation – The first piece of the Puzzle to construct a Historical Flood Record Spanning 2,000 years - A Case Study for the Brisbane River **James Charalambous**
16:20	61: Rating the curve? The hidden roadblocks **Chamaka Sameera Karunanayake,** Guna Hewa, Stefan Peters, David Kemp, Trevor Daniell, John Boland, Baden Myers	115: Cold Case: Investigating Uncertainties in Hydrological Modelling of the Australian Alps **Natasha Harvey,** Joseph H.A. Guillaume, Barry Croke, Tony Jakeman, Saman Razavi	145: Numerical Comparison of Benzene Biodegradation in Aerobic and Anaerobic Systems within a Variable-Density Unsaturated Zone **Arindam Roy,** Renu Valsala, Kironmala Chanda, Ranjan Sarukkalige	46: Exploring the sensitivity of uncertainty in climate change parameters for design outcomes **Jonathan Klaric,** Benjamin Kus, Ashis Dey	5: Community-centred flood risk communication in planning contexts **Amisha Mehta,** Ashantha Goonetilleke, Melissa Teo, Kate Delmo, Jennifer Seevinck, Clinton Weeks
16:40	154: Mitigating the Impact of Extrapolated Rating Tables on Australian Flood Modelling **Ted Rigby,** Anthony Barthelmess	17: Making hydrologic event identification robust and practical for large-sample rainfall-runoff analyses in Australia **Mohammad Masoud Mohammadpour Khoie**, Danlu Guo, Conrad Wasko	92: Community flood intelligence networks – resilient citizen science for local risk management **Jason Alexandra,** Jeremy Smith, Naomi Hay, Roslyn Prinsley	51: An analysis of historic sea level rise along the east coast of Australia to assist with flood planning in the face of uncertainty **Michiel Kamphorst,** Glenn Woods, Safa Fanaian, John Williams, R Quentin Grafton	132: Long range flood inundation outlook in Australia **Jiawei Hou,** Wendy Sharples, Foad Brakhasi, Christopher Pickett-Heaps, Navid Ghajarnia, Elisabetta Carrara
17:00	180. A Comparative Analysis of Two-Dimensional Approaches in Rating Curve Development **Nimal Gamage**	39: Performance and uncertainty of breach formation models across varying dam sizes and types **Louisa Chen**	103: First Law and the human rights-based approach for Australia's new national water agreement **Kat Taylor**, Anne Poelina, Glenn Woods, John Williams, R. Quentin Grafton	10: Of fragments and cubes, a century in the Darling Downs **Lindsay Millard**	141: Development of a long-range flood outlook for Australia **Christopher Pickett-Heaps** Navid Ghajarnia, Wendy Sharples, Jiawei Hou, Katayoon Bahramian, Nilantha Gamage, Paul Feikema, Elisabetta Carrara
17:20	Discussion of rating curves	78: Impact of Annual Evaporative Index Deviations on Runoff Dynamics: A Budyko Framework and SWAT Model Approach **Tesfa Gebrie Andualem**	19: Benchmarking Farm Modernisation to Enable Groundwater Resilience in NSW: A Systems Approach to Water Futures Sunail Hasnain, **Joseph Guillaume**, M. Ejaz Qureshi, Andrew Ross	35: Scaling of historical sub-daily rainfall datasets to represent future climate conditions **Michael Batchelor,** Lindsay Millard, Henry Hamer, Jagath Abeynayake	53: Darling Downs Flood Study-Hydraulic Modelling insights **Trinity Graham,** Urvisha Kiri, Steven Voss, Jagath Abeynayake

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Room	**Hyatt Hotel Foyer**
17:45	**Hall of Fame/ Munro Drinks**
Room	**Federation Ballroom**
18:15	**Hall of Fame & Munro Oration**
Chairs	**Katherine Daniell & Monique Retallick**
18:30	**Hall of Fame** Dr Penny Whetton and Prof Peter Cullen
19:00	**Munro Oration** Prof Anne Poelina
19:30	

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Thursday, 27 November 2025

Time	Federation Ballroom
09:00	**Keynote Presentation** Prof Ariella Helfgott, World Energy Council, Uni of Adelaide and One Basin CRC **Panel Discussion Session- Climate Resilience** including Dr James Daniell, World Bank
10:30	**Morning Tea**

Time	North Ballroom	South Ballroom	Murrumbidgee Room	Black Mountain Room	Mount Ainslie Room
	4.1 - Nature Based Solutions[1]	**4.2 - State of the art in Flood Frequency analysis and Climate change**	**4.3 - Hydraulics & Water Engineering**	**4.4 - HWRS 2025 Young Professional Networking Session**	
Chair	Roslyn Prinsley	Mark Babister	Anthony Gaffney	Danlu Guo	
11:00	122: Nature-based Solutions for flood resilience **Roslyn Prinsley**, Mehdi Sedighkia, Prabhasri Herath, Jason Alexandra, Tony Webster, Ana Cordova, Jeremy Smith, Susan Hunt, Katie Menzies, Nicole Falconer, Monique Manning, Barry Croke		60: Intelligent pump operation for water distribution systems: an AI-based optimisation approach **Angus Simpson**, Lang Zheng, Wenyan Wu, Ye Wang		
11:20	134: Optimising spatial distribution of Nature-based Solutions within a catchment for effective flood mitigation **Prabhasri Herath**, Roslyn Prinsley, Barry Croke, Mahdi Sedighkia	-Forget 2 and 3 parameter fits. How about 4? What happens when you go to 4 parameters? -Learn tricks for new players from Industry Giants. -Fawlty towers of FFA - what to do and what NOT to do - case studies - Discussion on the state of the art of FFA Speakers - **George Kuczera and Mark Babister**	108: Enhancing Source hydrological routing for the Murrumbidgee Valley using hydraulic modelling **Luke Kidd, Elliot Hurst**	Follow the career paths of represenatives of the academia, government and private sectors and grow your network! **Fiona Johnson** **Trevor Daniell** **Michelle Ho**	
11:40	15: Modelling Nature-based Flood Mitigation in Australia: Addressing Scale, Data, Computational Costs, and Uncertainties **Mahdi Sedighkia,** Roslyn Prinsley, Barry Croke, Jason Alexandra		138: Critical Assessment of 1D and 2D Culvert Modelling in TUFLOW: Practical Challenges and Case Study Insights **Yucen Lu, Scott Mortimer, Jasmine Lee**		
12:00	91: Slowing the waters – nature-based solutions to floods and water quality **Jason Alexandra**		59. 2D or not 2D, that is the question. Is CFD the answer? **Luke Toombes**		
12:20	150: Social Licence for Nature-based Flood Mitigation Policy & Action: An Ipswich, Queensland Case Study **Hayley Henderson,** Jason Alexandra, Roslyn Prinsley, Ana Cordova and Susan Hunt		164: Developing innovative pipe fishways for native Australian fish **Stefan Felder,** Jasmin Martino, Iain Suthers, Reilly Cox, Hiruni Kammanankada, Yoel Jeremy, Fletcher Arrastia, Maryam Farzadkhoo, Richard Kingsford		
12:40	**Lunch**				

Room	North Ballroom	South Ballroom	Murrumbidgee Room	Black Mountain Room	Mount Ainslie Room
	5.1 - Floods and Infrastructure	**5.2 - Urban Water Management**	**5.3 - Climate Change**	**5.4 - Regional Hydrology for Sustainable Development**	
Chair	Chris Russell	Mardi Medwell Squier	Rhys Thomson	Ian White	
13:40	48: Improving robustness of hydrological design estimation for linear infrastructure projects using Monte Carlo Simulation techniques **Don Carroll,** Rhys Cullen, Lindsay Millard, Jagath Abeynayake and Donnie Carroll	94: Lifecycle Payback of Stormwater Pollutants in Small Hard-Lined Bio-Retention Basins **Rodney Ronalds**	128: Evaluating High-Intensity Rainfall Trends in South Australia **Mark Thyer,** David Mcinerney, Seth Westra, Michael Leonard	Regional Hydrology for Sustainable Development Featuring Shahbaz Khan, Ian White and others	

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14:00	66: Application of the Link Flood Study approach to a network of highways **Greg Rogencamp**	77: Understanding net urban water balances in determining water diversions in the Murray Darling Basin **Tony Weber**	54: Exploring the ramifications for NSW planning of ARR version 4.2 climate change guidance **Brett Phillips,** Venus Jofreh, Stephen Yu	Regional Hydrology for Sustainable Development Featuring Shahbaz Khan, Ian White and others 116: Opportunities for engaging with the International Association of Hydrological Sciences **Barry Croke** 120. "Catalyzing Systemic Acceleration": Phased Interventions for Transforming Urban Water Regimes Towards Sustainability **Chitresh Saraswat**, Katherine Daniell	
14:20	20: Assessing the Impacts of ARR2019 v4.2 Climate Change Guidelines on Urban and Infrastructure Planning: A Case Study **Mohsen Motiei, Mia Nguyen**	90: Copper-Modified Zeolite for Microbial Risk Reduction in Urban Stormwater Treatment **Supun Meegahakumbura,** Yali Li, Gayani Chandrasena	133: The issue with Climate Change adjustments for frequent events **Mark Babister,** Harrison Babister, Jayden Fraser, Behzad Jamali, Monique Retallick		
14:40	107: A pragmatic approach to road immunity and resilience standards **Julian Orth,** Carrie Dearnley	80: How to achieve Mean Annual Runoff Volume (MARV) targets with the largest stormwater harvesting scheme in Australia **Craig Bush,** Darren Galia	Discussion of practical application of ARR CC guidelines - **Mark Babister and Monique Retallick**		
15:00	Discussion on Linear Infrastructure Issues	121: Rainfall on Urban Catchments: A System-Wide Perspective **James Ball,** Holger Paxi Alvarez, Nic Surawski, Patricia Saco			
15:20	**Afternoon Tea**				
Room	**North Ballroom**	**South Ballroom**	**Murrumbidgee Room**	**Black Mountain Room**	**Mount Ainslie Room**
	6.1 - Floods	**6.2 - Water Management**	**6.3 - Rainfall**	**6.4 - Hydroinformatics / Remote Sensing**	**6.5 Climate Change**
Chair	**Fiona Johnson**	**Fiona Ling**	**Hayden Guse**	**James Ball**	**Mark Thyer**
15:40	34: Improving the coupling of antecedent storage and storms for design flood estimation **Lilia Criste-Jones**, Samantha Watt, Richard Sharpe	Engaging young people in water policy **Hannah Feldman**	126. The NSW Design Storm Method: Introducing pre-burst patterns and AEP dependent losses **Jayden Fraser,** Mark Babister, Behzad Jamali	135: A machine learning approach to evaluate the geological suitability of potential dam sites **Lynn Seo,** Cuan Petheram	148: ARR 2019 Version 4.2 climate change impacts on stormwater management for solar farms Nilmini Pannipitiya, **Dimuthu Pannipitiya**
16:00	9: A Model Agnostic Platform for Australian Monte Carlo Analysis **Christopher Ryan**	40: A robust framework for water supply system evaluation under changing climate conditions using stochastic data **Zitian Gao,** David Robertson, Tze Ling Ng, Patrick Russell, Francis Chiew, John Frdelja	118: Areal reduction factors derived from gridded data – How do they compare? **Dheeraj Raghuraman,** Rhys Thomson, Oscar Garratt, Luke Evans	162: Landsat-based 30 m monthly actual evapotranspiration for Australia: implementation and enhancements **Jorge Luis Pena Arancibia,** Jamie Vleeshouwer, Yingying Yu, Aarond Dino, Tim Mcvicar, Tom Van Niel	158: Evaluating Deep Learning–Climate Interactions in the Downscaling of GCM Precipitation for Australian Catchments **Maedeh Enayati,** Aaron C. Zecchin, Graeme C. Dandy
16:20	151: Comparative Analysis of Linear Regression and K-Nearest Neighbors for streamflow prediction **Monzur Imteaz,** Shamotra Oad, Izhar Hussain, Afsin Islam	156: Is the Traditional Way We Manage Water Resources Obsolete in the Face of Deep Uncertainty? **Holger Maier,** Wenyan Wu, Leila Eamen, Graeme Dandy, Saman Razavi, Jan Kwakkel, Jiajia Huang, George Kuczera	125: Synthetic rainfall generators for hydrological models – what is the right tool for my question? **Robert Morden**, Petter Nyman, Jabbar Khaledi, Felix Egger, Anthony Kiem	16: Remote Sensing Meets Hydrology: Modelling an ungauged Western Australian Salt Lake **Kimberley McNamara,** Alexander Rogan	57: A likelihood based hydrologic design approach for a non-stationary climate **Alexander Rogan,** Vinny Kim
16:40	100: Optimising flooding riparian & development outcomes **Oscar Garratt,** Louise Collier, Dheeraj Raghuraman	31. Flood mitigation or flood resilience? Pathways for greater equity in flood risk governance **Peter Coombes,** Katherine Daniell, Robert Swan, Andrew Allan, Michael Barry	106: Development and application of pre-burst temporal pattern ensembles for design flood hydrology **Graigan Panosot,** Samantha Watt, Richard Sharpe	97: From Physics based Machine Learning to Physics based Remote Sensing in Hydrology? **Ashish Sharma**, Jhilam Sinha, Lucy Marshall	Paper 1 **Speaker 1**
17:00	130. A simple and efficient algorithm for design flood map interpolations **Behzad Jamali,** Harrison Babister, Mark Babister	Policy Instruments for governing water in crossborder areas: The case of the Murray Darling Basin, in Australia **Amy Wardrop**, Christian Breihut, Katherine Daniell	101: Anywhere everywhere all the time: a tool for constrained continuous subdaily rainfall generation across Australia **Caleb Dykman,** Ashish Sharma, Rory Nathan, Conrad Wasko	23: Application of Multispectral Satellite Imaging for Monitoring and Modelling of an Eroding Meso/Macrotidal Estuary **Jordan Gois,** Alexander Rogan	Paper 2 **Speaker 2**
17:20					

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Room	Federation Ballroom
19:00	HWRS 2025 Conference Dinner (and Hydrologic Games) (19:00 - 23:00)
-	
23:00	

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Friday, 28 November 2025				
Room	Federation Ballroom	Centenary 1	Centenary 2	Centenary Centre
	7.1 - Economics of Water including Invited Policy Speakers	7.2 - Loss Modelling	7.3 - Hydrology	NCWE Insurance Discussion Paper and Panel Discussion
Chair	Sabina Lohani	Lisa Holden	Zitian Gao	Chris Thomas
09:00		41: RORB Modelling to Derive or Apply Regional Loss and Storage Parameters – The Time Step is Important in Small Catchments. David Kemp, Guna Hewa	114. Modelling reservoir system operations in eWater Source and WATHNET Michael Wright, Nathan Dunning, Fiona Ling	
09:20	Economics of Water - Willingness to Pay Maurice Gauder, the Centre of International Economics - Invited Speaker	173: Improved Representation of Transmission Losses in Drought-Affected Rivers Shaun Kim, Russell Crosbie, Warrick Dawes, Jai Vaze, Bill Wang, Cherry Mateo, Rebekah May, Sudeep Nair	166: Variable Loss Dynamics for Low Flow Simulation in SOURCE via the AARS Plugin Rebekah May, Sudeep Nair, Shaun Kim, Jahangir Alam, Alistair Korn, Tom Roberts	
09:40	152: Harnessing Investment In Nature: Unlocking Private Finance for Environmental Restoration and Protection to Future-Proof Infrastructure in a Volatile Climate Wilfred Finn, Amy Basnett	50. Improving design flood estimation in South Australia: A non-parametric evaluation of hydrological losses in Mount Lofty Ranges catchments Tharindi Wijekoon, Guna Hewa, Hoan To, David Kemp, Sithara Walpita Gamage	139: The influence of the El Niño-Southern Oscillation cycle on flood flows in major rivers in Eastern Australia. Karen Brakell, Sharni Lemaire, Julia Beck	NCWE Insurance Discussion Paper and Panel Discussion- Chris Thomas
10:00	111: A Geospatial Investigation of Runoff Dams Across the ACT's Water Management Areas Ben Cressall, Sylvain Perrin, Danswell Starrs, Phillip Jordan, Joel Rahman, Lachlan Hughes, Conrad Tian	33: Application of Genetic Algorithm to Calibrate Soil Parameters in TUFLOW Direct Rainfall Catchment Runoff Simulation Shuang Gao, Phillip Ryan, Abigail Lillo, Lucy Reading, Bill Syme, Emilie Nielsen	83: Forecast modelling of the 2025 Cooper Creek Flood event Stephen Daenke	
10:20	Morning Tea			
Room	Federation Ballroom			
Chairs	Katherine Daniell & Peter Coombes			
11:00	Keynote Presentation Dr Lorraine Finlay, Human Rights Commissioner, Australian Human Rights Commission Panel Discussion on Policy, Regulation and Human Rights Including the Hon. Peter Walsh, MP for Murray Plains and Marcus Crudden, Essential Services Commission			
12:30	Lunch			

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Room	Federation Ballroom	Centenary 1	Centenary 2	Centenary Centre
	9.1 - Flooding	9.2 - General Hydrology	9.3 - NCWE Workshop	9.4 - Flood Modelling
Chair	Will Prentice	Baihua Fu	Monique Retallick	Kai Kinkela
1:30	24. Simplified Ensemble Design Event Approach DG Carroll, K Kelly, A Rauf, M Sedigh and DJ Carroll	21: A Hydrologist's Review of Ex-Tropical Cyclone Alfred Nassim Khosravi, Lisa Holden, Philip Millet, Ash Rasheed		89: Burrinjuck dam catchment rainfall runoff – a case study Ashok Raut, X Han, A Srivastava, H Perera, T Hameed, NK Tuteja, L Oliveira
1:50	38: Beyond the event-based horizon: URBS models for long-term continuous simulation in the Darling Downs Rhys Cullen, Lindsay Millard, Hayden Guse, Don Carroll and Jagath Abeynayake	170: A comparison of the AWBM, GR4J and Sacramento models performance in the Staaten River basin Charles Lukin, Cia Musgrove	NCWE Workshop	37: Simplifying Flood Forecasting by Categorising Calibration Parameters Blair Filer, Sam Andrews, Divesh Mistry
14:10	96: Floodplain inundation simulation using CaMa-Flood across the Murray-Darling Basin Zaved Khan, Francis Chiew, Hongxing Zheng, Jin Teng, Anjana Devanand, David Post, David Robertson	124: Exploring the Causal Influence of Climate Impacts on Hydrological and Water Resource Management Holger Maier, David Mcinerney, Michael Leonard, David Robertson, Seth Westra, Duc Cong Hiep Nguyen, Ashkan Shokri, Mark Thyer		85. Climate Change Rainfall Data Algorithm for Continuous Modelling of Stormwater Mircea Stancu

Room	Federation Ballroom
14:30	Closing Ceremony
-	
15:00	