



Day 1: Monday 22 September 2025

17:00	Registration Boatbuilders Yard, Southbank
17:00 - 19:00	Welcome drinks Boatbuilders Yard, Southbank

Day 2: Tuesday 23 September 2025

8:00	Registration	
8:30-9:00	Opening ceremony	
9:00-10:00	Plenary Session 1 (Forum 1-2-3) Speaker 1: Sean O'Malley , Circular Economy Manager, Coles Group, "Circularity in Coles" Speaker 2: Ian Dagley , CEO, Solving Plastic Waste CRC, "Industry-driven research collaborations to solve Australia's plastic waste problem" Chair: Sandra Kentish , The University of Melbourne	
10:00-10:30	Morning tea break (Forum 1-2)	
	Forum 1-2 – Plastic Recycling	Forum 3 – Circular Water
	Chair: Sandra Kentish (University of Melbourne)	Chair: Mikel Duke (Victoria University)
10:30-10:50	Keynote: Jeroen Wassenaar (Cleanaway Waste Management) Developing Circular solutions for rigid and flexible plastic packaging	Keynote: Jason Cotton (Intelligent Water Networks) The water sector circular economy imperative
10:50-11:10	Keynote: Minoo Naebe (Deakin University) Plastics at the end of life: challenges and opportunities for recycling	Keynote: Michael Thomas and Kerry Lester-Smith (Barwon Water) H ₂ O 360°: Rethinking water projects
11:10-11.30	Keynotes conversation chaired by Sandra Kentish	Keynotes conversation chaired by Mikel Duke
11:30-11:45	Abbas Rezamand , University of Melbourne Waste tyre permeable kerbs	Linda Zou , Victoria University Removal of pharmaceutical compounds by catalytic chitosan nanocomposite membranes from wastewater
11:45-12:00	Sina Mehdifar , University of Melbourne PTFE conversion to value-added products using low emission liquid metal systems	Bhavya Karumanchi , RMIT Sustainable Sulfate Removal from Wastewater Using Tannin-Iron Functionalized NF-270 Membrane
12:00-12:15	Yeong Ni Hng , University of Melbourne Characterisation and Upcycling Strategies for Decommissioned Subsea Flexible Flowline Polymers	Benjamin Fox/Walter Jehne , Regenerate Earth The Soil Energy Network: Can Canberra's Underground Sponge Create Cooler Cities?
12:15-12:30	Rebecca Patrick (presented by Urvi Thanekar) , University of Melbourne Insights from Sustainable Healthcare Research Priority Setting Workshop: Materials Efficiency and Circularity	Qiang Fu , University of Technology Sydney Advanced Interfacial Solar Evaporation for Sustainable Water Production and Mineral Recovery
12:30-12:45	Ayesha Obaid , RMIT Machine Learning-Guided Catalyst Discovery with LCA Integration for Hydrogen Production from Plastic Waste: A Sustainable Circular Economy Approach	Linitho Suu (presenting for Youngkwon Choi) , Korea Institute of Civil Engineering and Building Technology Development of resource recovery technology from high-concentration wastewater using F-SMDC with anti-solvent and electro-crystallization
12:45-13:00	Shima Jafarzadeh , Deakin University Solving Two Problems, One Solution: Transforming Food Waste into Active Biodegradable Plastics with Carbon Dots	Marzieh Namdari , University of British Columbia Process Simulation of Circular Carbon Capture and Conversion
13:00-14:00	Lunch break (Forum 1-2)	
	Forum 1-2 – Circular Construction	Forum 3 – Nutrient Recycling
	Chair: Ehsan Yaghoubi (Victoria University)	Chair: Ho Kyong Shon (University Technology Sydney)
14:00-14:20	Keynote: Andrew Kiesel (Tonkin Taylor) Sustainability in pavement design and construction	Keynote: Roya Khalil (Incitec Pivot Fertilisers) Advancing Circular Agriculture through Enhanced Efficiency Fertilisers
14:20-14:40	Keynote: Dan Hill (University of Melbourne) Australian Reduction Roadmap	Keynote: Django Secombe (Sydney Water) Rethinking Nutrient Management in Water Utilities—From Linear Removal to Circular Recovery
14:40-15:00	Keynotes conversation chaired by Ehsan Yaghoubi and Malindu Sandanayake	Keynote: Deli Chen (University of Melbourne)
15:00-15:15	Yaser Mohammed Rageh Gamil , Monash University Malaysia Construction Waste generation hotspots detection using image processing assisted by BIM-VR toward greener construction projects	Keynotes conversation chaired by Ho Kyong Shon
15:15-15:30	Angelique Milojevic , University of Technology Sydney Reimagining Waste: House Deconstruction and Timber Reuse as Part of a Circular Economy Strategy	Kashif Rasool , Hamad Bin Khalifa University Maximizing Single-Cell Protein Yield from Agricultural Waste: Strain Selection, Pretreatment Optimization, and Scalable Bioreactor Production
15:30-15:45	Zohreh (Venus)Shakeri , University of Melbourne Enhancing Mechanical and Environmental Performance of Pervious Concrete Pavements for Sustainable Urban Infrastructure	Saeromi Lee , Korean Institute of Civil Engineering and Building Technology Monitoring Greenhouse Gases Emissions During the Secondary Composting Process of Food Waste Compost Products
15:45-16:00	Zahra Kamali , Victoria University Fire-Resilient Asphalt Pavements Using Recycled Aggregates: A Comparative Study of Fire Performance, Mechanical Properties, and Environmental Impacts	Weonjung Sohn , University of Technology Sydney Source-separated urine in pilot-scale membrane bioreactor and production of urine fertiliser: Impact of hydraulic retention time



16:00-16:15	Foad Ghasemi , Victoria University Unveiling Asphalt Surface Temperature Under Climate Extremes: A Comparative Study of Linear and Evolutionary Models	Serhiy Marchuk , University of Southern Queensland Nitrogen fertilising potential of source-separated human urine
16:15-16:30	Noushin Islam , Victoria University Construction and Demolition Waste Management Practices in Australia: A Systematic Literature Review	Veera Koskue , University of Melbourne Bioelectroconcentration for nutrient recovery from human urine: Up-scaling from laboratory to pilot scale
16:30-17:00	Afternoon tea break (Forum 1-2)	
17:00-18:00	Sustainability campus tour + NiCE Loo Lab Meet at Melbourne Connect Mezzanine level	
18:30-21:30	Gala Dinner University House, Woodward Centre	

Day 3: Wednesday 24 September 2025

8:30	Registration	
9:00-10:00	Plenary Session 2 (Forum 1-2-3) Speaker: Matthew Snell , Group Manager Circular Economy, South East Water Chair: Stefano Freguia , The University of Melbourne	
10:00-10:30	Morning tea break (Forum 1-2)	
	Forum 1-2 – Battery Recycling	Forum 3 – Supply Chain and Governance
	Chair: Helena Wang (University of Melbourne)	Chair: Franz Wohlgezogen (University of Melbourne)
10:30-10:50	Keynote: Simon Adams (Metallium) A Scalable Technology for Critical Metal Recovery from Black Mass and E-Waste	Keynote: George Panas (University of Melbourne) Overcoming barriers and challenges for a circular economy
10:50-11:10	Keynote: Aleksandar Nikosolki (Murdoch University) Evolution and Challenges in Battery Recycling Technology in Australia	Keynote: Lena Jungbluth (Monash Behaviour Works) Designing behaviour change interventions for a circular economy
11:10-11:30	Keynote: Gavin Collis (CSIRO) LIB recycling in Australia, the Indo-Pacific and the US: Opportunities for a Circular Economy	Keynotes conversation chaired by Franz Wohlgezogen
11:30-11:45	Keynotes conversation chaired by Helena Wang	Mayuri Wijayasundara , Anvarta Unlocking Scope 3 Emissions Reductions through Circular Business Models: A Supply Chain and Governance Perspective
11:45-12:00	Damien Giurco , University of Technology Sydney Battery minerals for a circular economy: Australia’s role in responsible sourcing	Amelia Leavesley , University of Melbourne Circular economy governance in three Australian cities
12:00-12:15	Jianfeng Mao , University of Adelaide Selective Extraction of Critical Metal Resources from Spent Li-ion Batteries	Chanuthi Rajapaksa , Yokohama City University Rethinking Transparency in Fashion Supply Chains: Between Visibility and justice
13:15-12:30	Will Ng (presenting for George Franks) , University of Melbourne Recovering graphite and cathode oxides from black mass	Paul Solomon VinothKumar , V3 Eco Solutions Unintended Consequences of Climate Change Mitigation and Adaptation Measures in the Circular Economy Framework
12:30-12:45	Linda Zou , Victoria University Recovery of lithium by pseudocapacitive electrodes in capacitive deionization	Yuqing Lu , University of Melbourne Surgical device companies’ commitments towards net zero
12:45-13:00	Parama Chakraborty Banerjee , Monash University Lithium-ion battery recycling-Challenges and opportunities	Urvi Thanekar , University of Melbourne Stakeholder Driven Insights to Embed Circularity in Healthcare Procurement
13:00-14:00	Lunch break + Poster Pitches chaired by Li Gao (South East Water) in Forum 1-2	
	Forum 1-2-3 – Unintended Consequences	
	Chair: Stefano Freguia (University of Melbourne)	
14:00-14:20	Keynote: Minna Saaristo (Environment Protection Authority Victoria) Emerging contaminants in the environment: Where should research and management efforts be directed for optimal environmental outcomes?	
14:20-14:40	Keynote: Matthew Askeland (ADE Consulting Group) Emerging contaminants: unintended versus unforeseen	
14:40-15:00	Keynotes conversation chaired by Stefano Freguia	
15:00-15:15	Invited talk: Prashant Srivastava , CSIRO A novel method to assess leaching of contaminants of concern from recycled tyre products	
15:15-15:30	Daiane Scaraboto , University of Melbourne How Consumer Informal Production Can Support Market-Autonomous Circular Economies	
15:30-15:45	Sandra Kentish , University of Melbourne Achieving circularity in dairy processing	
15:45-16:00	Forbes McGain , Western Health Healthcare & the circular economy	
16:00-16:30	Afternoon tea break	
16:30-17:00	Closing Remarks and Awards	



Day 4: Thursday 25 September 2025

Technical tours 8:00 AM – 1:00 PM

Tour 1	Cleanaway site
Tour 2	South East Water site

List of posters

P1	Meenaakshi Balakrishnan, V3 Eco Solutions	The Circular Shift - Circular Model To Eliminate Future Emissions And Heal The Past
P2	Yi Zhang, University of Melbourne	Nutrient recovery from hydrolysed urine by high-rate electrodialysis: A proof-of-concept study
P3	Ibrahim El Saliby, University of Technology Sydney	Anthroponics in a Circular Economy: Effect of urine fertiliser on the flowering and longevity of Gerbera cut-flower plants (<i>Gerbera jamesonii</i>)
P4	Jaishree Yadav, RMIT	Selective recovery of rare earth elements from NdFeB magnet using a deep eutectic solvent
P5	Linitho Suu, Korea Institute of Civil Engineering and Building Technology	Study on an electrocrystallization method for selective recovery of valuable resources from high-concentration wastewater
P6	Xichao Zhang, University of Melbourne	Electrocapillary-Driven Metal Separation: A Low-Energy Pathway for Sustainable Alloy Recycling
P7	Haiwei Zhou, University of Melbourne	Environmental Effectiveness of Circular Economy Strategies for Lithium-ion Batteries
P8	Joowan Lim, Korea Institute of Civil Engineering and Building Technology	Development of Bipolar Membrane Electrodialysis for Selective Recovery of Valuable Resources from Brine and Wastewater

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