



FINAL PROGRAM

International Conference on

ASSESSING WASTE AND RECYCLE

November 14-16, 2022 | Melbourne, Australia | Hybrid

Melbourne Convention and Exhibition Centre (MCEC)
Melbourne, VIC 3006, Australia



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🌐 <https://wasteandrecycleconference.com>

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TyreStewardship
AUSTRALIA



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Program Last Updated on: **November 01, 2022**

Last minute changes due to functional, private, or organizational needs can be necessary.
The event organizer accepts no liability for any additional costs caused by a change of program.
Program is subject to change



TOGETHER
WE ARE
REINVENTING
THE WHEEL

We are Australia's tyre product steward, established in 2014 to implement the national Tyre Product Stewardship Scheme and promote the development of viable markets for end-of-life tyres in Australia.

Today, we have over 1,700 tyre manufacturers, retailers, collectors, and recyclers accredited with the Scheme. Through their participation, they demonstrate their commitment to sustainable practices for their markets, stakeholders, and future generations.

Together, we work all along the tyre recovery supply chain to minimise waste and increase value for government, industry, businesses, and consumers:

- transforming a waste product into a useful commodity
- creating new markets, technologies, and employment opportunities
- reducing the environmental and social harm caused by burying, illegal dumping and sending used tyres to landfill.

As of 2022, we have committed over \$8 million across 56 projects creating real-world outcomes and solutions for Australia's end-of-life tyres including roads, research, civil engineering, manufacturing, mining, and rail.

Find out more by visiting
www.tyrestewardship.org.au



TyreStewardship
AUSTRALIA



Australian
Government
Accredited
Product
Stewardship
Scheme

AWARE 2022

— ORGANIZATIONS INVOLVED



AWARE 2022

November 14-16, 2022



TyreStewardship
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OCEANIA
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EDGE



REPURPOSE IT®



STOP
FOOD WASTE
AUSTRALIA



Australia



AUSTRALIAN
FOOD &
GROCERY
COUNCIL



AUSTRALIAN INSTITUTE
OF PACKAGING



MRA
Consulting Group



Hitachi Zosen
INOVA



PLASTIC
OCEANS
AUSTRALASIA



CANBERRA REGION
JOINT ORGANISATION



Ministry for the
Environment
Manatū Mō Te Taiao



中国科学技术大学
University of Science and Technology of China



baresop.



EcoOrganiser



Exchange
FOR CHANGE



Envirotech
Envirotech Waste Recycling Inc.



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PRESENTATION GUIDELINES

INSTRUCTIONS FOR ORAL PRESENTATION

1. Special Talk: Guest Speakers will be provided with a total of 40 minutes to speak and present on their topic.
2. Keynote Presentations: Keynote speakers will be allotted 20 minutes to present their results, followed by a 5 minutes discussion period.
3. Oral Presentations: Authors of contributed talks will be allotted 15 minutes to present their results, followed by a 5 minutes discussion period.
4. Speakers should bring their presentations to the conference saved on a USB memory stick.
5. It is suggested that you email a copy of your presentation to your personal inbox as a backup. If for some reason the files can't be accessed from your flash drive, you will be able to download them to the computer from your email.
6. Please prepare the presentation in PPT files, PDF is not recommended.
7. Please refer to the program page of the official website for your session and presentation information.
8. Basic AV setup will be provided: laser pointer, cordless mike, desktop mike, basic sound system.
9. Laptop/Desktop equipped with Windows 10, Office 2019 Pro English (Word, Powerpoint, Excel) and Adobe Reader are provided.
10. If your presentation files contain movies, please make sure that they are well formatted and connected to the main files.
11. Projectors are equipped with standard VGA connection ports. Mac users should bring their own adapter cord.
12. Please re-check this program prior to the conference to confirm if any changes have been made to your session.

Meeting Link:

Topic: International Conference On Assessing Waste And Recycle (AWARE 2022)

Time: Nov 14, 2022 08:00 AM Canberra, Melbourne, Sydney

Join Zoom Meeting

<https://us06web.zoom.us/j/83829623605?pwd=RDJsWXlySVhiSTRJTtJCSFRmUkF6Zz09>

Meeting ID: 838 2962 3605

Passcode: 793122

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08:00 – 08:20 Registration, Badge Pick up & Arrival Tea and Coffee

08:20 – 08:30 Welcome Speech

Special Talk

Session Moderator: Michael Williams, CEO at Ecogreen, Australia

08:30 – 09:10 **Cate McQuillen**, Storyteller | Changemaker, Australia
It's Time to Shift the Story of Behavioural Change. How do our Hearts, Heads and Hands Align to Create a New Sustainable Planet Dweller Identity?

Keynote Presentations

09:10 – 9:40 **Veena Sahajwalla**, Director of SMaRT at UNSW, Australia - **Online**
A Smart Vision for a Sustainable Future: Smart Technologies and Microfactories™
Creating Sustainable Materials and Products from Waste Resources

09:40 – 10:10 **Steven Lapidge**, CEO at Fight Food Waste Ltd, Australia
Fighting Food Waste Through Innovation

10:10 – 10:30 Coffee Break

10:30 – 11:00 **Olivia Tyler**, Managing Director AUS & NZ at Edge Environment, Australia
Government, Policy and Regulation

11:00 – 11:30 **James Dorney**, CEO at Tomra Cleanaway, Australia
Innovation, Technology and Partnerships are Driving Circular Outcomes for Beverage Containers in NSW

11:30 – 12:00 **Jayant Keskar**, Founding Director and CEO at Enpro Envirotech Pty Ltd, Australia
Integrating Innovative Sustainable Solutions to Achieve Circular Economy and Resource Recovery

12:00 – 12:30 **Zhong Tao**, Theme Director, Materials at Western Sydney University, Australia
Value-Added Products from Coal Tailings

12:30 – 13:00 **Tim Askew**, Regional Program Manager at Hunter Joint Organisation, Environment Division, Australia
Circular Economy in Local Government

13:00 – 13:40 Lunch Break

Session Moderator: La Vergne Lehmann, Waste and Sustainability Coordinator at Yarriambiack Shire Council, Australia

13:40 – 14:10 **Mark Barthel**, COO at Stop Food Waste, Australia
Halving Food Waste in Australia by 2030 – The Challenges and Opportunities

14:10 – 14:40 **Lina Goodman**, CEO at Tyre Stewardship, Australia
Local Councils are Pivotal in Leading Australia's Sustainable Future for used Tyres – by Increasing the Consumption Crumb Rubber across Projects in their Municipality, Including Rubber in Roads, Playgrounds, Sports Fields, Concrete Road Barriers etc.

- 14:40 - 15:10 **Olympia Yarger**, CEO at Goterra, Australia
Agile Recycling Technology for Food Waste and Unlocking Distribution
- 15:10 - 15:40 **Christian Keel**, Head of Business, Circular Economy & Lifecycle Thinking at Edge Environment, Australia
Fit For Office: National Commercial Office Furniture Product Stewardship Program
- 15:40 - 16:10 **Nerida Kelton**, Vice President Sustainability & Save Food - World Packaging Organisation
Executive Director- AIP, Australia - **Online**
Sustainable & Circular Design from A Global Perspective

16:10-16:30 **Coffee Break**

Oral Presentations

Recycling & Waste Management

- 16:30 - 16:50 **Linda Mitchell**, Science and Innovation Advisor at TSA, Australia
Tyre Particle Health, Environment and Safety – Exploring the Research into the Environmental and Community Impacts of Tyre Particles
- 16:50 - 17:10 **Emma Avery**, Independent Consultant and Facilitator at EA Sustainability, Australia
Disposable Baby Nappies: The Waste Item we can Avoid
- 17:10 - 17:30 **Ricki Hersburgh**, Founder and Executive Director at Plastic Oceans Australasia, Australia
Is it a Sandwich or a Wrap? – Deconstructing Plastic Packaging
- 17:30 - 17:50 **Ben Kaminsky**, Co-Founder of Textile Recyclers, Australia
Textile Recycling in Australia, The Problem, The Solution
- 17:50 - 18:10 **Simone Robertson**, Waste Management Officer at Colac Otway Shire, Australia
Good Sort, Good Data, Good Future – Waste Innovation at Colac Otway Shire
- 18:10 - 18:30 **Rajkishore Nayak**, Associate Professor at RMIT University, Australia
Flame-Retardant Mattress Filing Derived from Australian Consumer Fashion Waste Using Sustainable Chemicals
- 18:30 - 18:50 **Shani Wood**, Environmental Officer at City of Holdfast Bay, Australia
Increasing Food Recycling Efficiency and Circular Economy Outcomes Through Offering Free Compostable Bags in Supermarkets
- 18:50 - 19:10 **Jessica Fordyce**, Waste and Resource Recovery Officer at the CRJO, Australia
Food Rescue in Regional Communities

19:15 - 20:15 **Networking over Cocktails**

End of Day-1

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Special Talk

Session Moderator: Candice Myers, Business Engagement Co-ordinator, Cleanaway, Australia

08:30 - 09:10 **Helen Millicer**, Consultant, Australia Food and Grocery Council, Australia
The National Plastics Recycling Scheme - Making Flexible Plastics Circular

Oral Presentations

Recycling & Waste Management

09:10 - 09:30 **Libby Chaplin**, CEO at Battery Stewardship Council, Australia
Disrupting Australia's Battery Recovery Industry with The Launch Of B-Cycle, Australia's First National Stewardship Scheme for used Batteries

09:30 - 09:50 **Michael Williams**, CEO at Ecogreen, Australia
And Then What? Exploration of a Simple Mechanic to Develop Complex Multi-Industry Solutions

09:50 - 10:10 **Andrea Polson**, Marketing Director at Licella Holdings, Australia
Hydrothermal Liquefaction - The Next-Generation of Advanced Recycling

10:10 - 10:30 **La Vergne Lehmann**, Waste and Sustainability Coordinator at Yarriambiack Shire Council, Australia
How to Get Your Community Excited About Kerbside Glass Recycling

10:30 - 10:50 Coffee Break

10:50 - 11:10 **Saniyat Islam**, Senior Lecturer (Fashion Enterprise and Technology) at RMIT, Australia
Waste Mitigation Pathways for Australian Fashion and Textile Industry

11:10 - 11:30 **Prisca Ongonga-Daehn**, CEO at Baresop, Australia
Solution to Reduce Waste Must have both Human and Planet Empathy to Properly Make Impact

Panel Discussion - Women in Industry

11:30 - 12:30 Future-scaping Sustainability – Welcome to 2030!

So many times, the expediency needed for change to happen in a way that will result in the outcomes needed... is blocked and bogged down by policy, process, fear, lack of vision, lack of resources, lack of genuine will! Many approaches run straight into these roadblocks.

But what happens if we change our thinking and our language to a 'what if....' approach??

In this session our Panel Members will explore the 'what if' approach and design the futuristic landscape of sustainability

Panel Host and Moderator - Cate McQuillen

Panel Members - Jill Riseley, CEO at MWRRG, Australia

Lina Goodman, CEO at Tyre Stewardship Australia, Australia

Helen Millicer, Consultant, Australia Food and Grocery Council, Australia

Olivia Tyler, Managing Director AUS & NZ at Edge Environment, Australia

Ricki Hershburgh, Executive Director at Plastic Oceans Australasia, Australia

12:30 - 13:10 Lunch Break

Sustainability & Circular Economy

Session Moderator: **Shani Wood**, Environmental Officer, City of Holdfast Bay, Australia

- 13:10 - 13:30 **Jill Riseley**, CEO at MWRRG, Australia
Achieving Multi-Sector Collaboration to Deliver Circular Economy Outcomes
- 13:30 - 13:50 **George Hatzimanolis**, Co-founder and CEO at Repurpose It, Australia
Repurposing Waste & Advancing the Circular Economy
- 13:50 - 14:10 **Marcel Sieira**, Chief Customer Officer at GS1, Australia
Traceability as an Enabler for a Circular Economy
- 14:10 - 14:30 **Fahad Asmi**, Professor, Department of Science Communication, University of Science and Technology of China, China
Measuring Informal Waste-Pickers Readiness to Contribute in Circular Initiatives
- 14:30 - 14:50 **Reba Paul**, Adjunct Fellow, Institute for Sustainable Futures, UTS, Australia
Distributed Recycled Water Systems and Water Circularity in Achieving Circular Economy
- 14:50 - 15:10 **Max Van Biene**, Sustainability and ESG Strategist at Edge Environment, Australia
Navigating the Shift from Sustainability to ESG: What this Means in Practice and What Does it Mean for Purpose Led Professionals
- 15:10 - 15:30 **Cameron McKenzie**, CEO at ASPIRE PL, Australia
Sustainable Future with Circular Economy
- 15:30 - 15:50 **Shamila De Silva**, Scientist, Land & Waste Sciences at EPA Victoria, Australia
Review of Waste to Energy Incinerated Bottom Ash Reuse Criteria
- 15:50 - 16:10 **David Adams**, Researcher, Swinburne University of Technology, Australia
Sustainability in Large Food and Beverage Companies and Their Supply Chains: An Investigation into Key Drivers and Barriers Affecting Sustainability Strategies
- 16:10 - 16:30 **Amal Jugdeo**, Senior Process Engineer at Hitachi Zosen Inova, Australia
The Clean-up Role of EfW in the Circular Economy

16:30 - 16:50 **Coffee Break**

Trends, Habbits and Regulations

Session Moderator: **Reba Paul**, Adjunct Fellow, Institute for Sustainable Futures, UTS, Australia

- 16:50 - 17:10 **Samuel Lawson**, Environmental Consultant at MRA Consulting, Australia
Continuing the Annual Illegal Waste Survey: Next Steps and Successes
- 17:10 - 17:30 **Danielle Smalley**, CEO at Exchange for Change, Australia
Using Data and Research to Embed Behaviour Change in Container Deposit Schemes
- 17:30 - 17:50 **Tanya Lewis**, Founder of Eco Organiser, Australia
WHAT a WASTE! Organise your Way to Waste Less
- 17:50 - 18:10 **Mahin Shirazi**, Founder and Director of MyImpact, Australia
Digitizing The Waste Industry
- 18:10 - 18:30 **Candice Myers**, Business Engagement Co-ordinator at Cleanaway, Australia
Behavioural Change – Challenging The Status Quo of Recycling Education
- 18:30 - 18:50 **Shannon Mead**, Chief Butt Officer at No More Butts, Australia
Igniting a New Scheme: The Need for a Regulated Tobacco Industry Product Stewardship Scheme
- 18:50 - 19:10 **Francine Tavares**, Founder of We are Behive, Australia
Let's Put the Right Thing In The Right Bin!

End of Day-2

ZOOM PLATFORM VIRTUAL MEETING INSTRUCTIONS

Join the zoom meeting

Zoom link will be shared to all participants 2 days before the conference. Join the meeting by clicking on a Zoom meeting link provided by the meeting host => follow

the prompts to download and run Zoom => enter the meeting ID if prompted => click to

join the audio (OR) if you already have Zoom software installed in your system, simply open

Zoom application, click 'join' and enter the meeting code.

Mute/unmute & audio settings

Except for the moderator and the speaker, all attendees' microphones will be muted by the host.

Chat function for Q&A

The participants will submit their questions through the chat box and the moderator/chair of the session will pick the questions for the discussion. Direct your question by tag the speakers name to the questions as you submit them to the chat (e.g., For Dr. Will Torres – Question 1).

Audience

We are anticipating over 100 attendees who will come from a range of professional backgrounds with a varied level of knowledge and expertise in technical and commercial aspects across the subject area.

For speakers

You will be allowed to share your screen during your presentation. Session moderator will pick the questions from the participants and asks the speaker depending on the time available. In case if more questions are left in the chat box, we encourage speakers to answer via chat and continue the discussion.

Recording

The session will be recorded for training purpose and some for the video library. Most of the speakers have already consented to recording their presentation but please inform us otherwise if you have some content which should not be recorded.

If you have trouble in login or any technical issues, please write to manager@wasteandrecycleconference.com or call us at **+61 416 000 202**

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Special Talk

Session Moderator: **Meryl Sukumar**, Founder of Subcinctus Consulting, Australia

09:00 - 9:40 **Edward Kosior**, Managing Director, Nextek Limited and NEXTLOOPP, United Kingdom
Future Challenges and Innovation in Plastics Waste Management

Oral Presentations

Recycling

09:40 - 10:00 **Oscar Filen**, CEO at XTYRE Global, South Africa
Waste Tyres a Resource Replacing Plastic, Wood and Concrete

10:00 - 10:20 **Daniel Velez**, Senior Coordinator, Arizona State University, USA
Exploring Reuse, Refill, and the Milkman Model. Business Models that will Disrupt the Waste & Recycling Industry

10:20 - 10:40 **Laxmikant Jathar**, Assistant Professor at Imperial College of Engineering and Research, India
Emission, Waste and Recycling of Photovoltaic Module

10:40 - 11:00 **Barak Ekshtein**, CEO at Tontoton, Vietnam
Nothing Left Behind: How Plastic Credits Can Stop Leakage into The Environment

11:00 - 11:20 **Winchester Lemen**, President at Envirotech Waste Recycling, Philippines
Plastic Is Not Our Enemy

11:20-11:30 **Networking Break**

Circular Economy

Session Moderator: **Delwyn Langdon**, SDGs Consultant & Owner Manager at Delwyn Langdon Consultancy, Australia

11:30 - 11:50 **Kirsty Bishop**, Sustainability & Waste Consultant at Sustainability Pathways, Australia
The Courage to Change

11:50 - 12:10 **Jenny Marshall**, Senior Waste Policy Analyst at Ministry for the Environment, New Zealand
Carrots, Sticks and Nudges – What Levers can we Pull to Move to More Circular Packaging Solutions

12:10 - 12:30 **Louise Hardman**, CEO & Founder - Plastic Collective, Australia
Waste Plastic Solutions and Circular Economy Principles for Regional & Remote Communities

12:30 - 12:50 **Meryl Sukumar**, Founder of Subcinctus Consulting | Sustainability Expert, Australia
The Economic Benefit of Taking Circular, Sustainable Strategic Action

12:50 - 13:10 **Justin Bonsey**, Strategic Lead, Resource Recovery at SSROC Inc, Australia
Procure Recycled – Paving the Way. Driving a Circular Economy through Joint Government Procurement

13:10-13:30 **Lunch Break**

Waste Management

- 13:30 - 13:50 **Abdur Razzaque**, Managing Director at RECYCLE-RAW LTD, Bangladesh
Quality Waste Scaling & Mapping – Must Consider for Fashion Circularity
- 13:50 - 14:10 **Pia Berger**, Research Professor, Faculty of Engineering, Panamerican University, Mexico
Biochar: Sources and Applications in Waste - Food - Energy - Soil Nexus
- 14:10 - 14:30 **Virendra Kumar Vijay**, IREDA Chair Professor, Centre for Rural Development and Technology, IIT Delhi, India
Managing Organic Waste Through Biomethanation for Energy, Fuel And Fertilizers - A Case Study of India

14:30 - 14:40 **Networking Break**

Sustainability

- Session Moderator: Reba Paul**, Adjunct Fellow, Institute for Sustainable Futures, UTS, Australia
- 14:40 - 15:00 **Roger John Britto**, Senior Civil and Environmental Engineer at WSP Golder, Australia
Sustainability in Landfill Construction
- 15:00 - 15:20 **Cindy Bray**, Executive General Manager at PIPA, Australia
How Industry Collaboration Can Change Perceptions, Educate, and Provide Valuable Insights For a More Sustainable Future
- 15:20 - 15:40 **Delwyn Langdon**, SDGs Consultant & Owner Manager at Delwyn Langdon Consultancy, Australia
Introduction to the United Nations Sustainable Development Goals (SDGs)
- 15:40 - 16:00 **Laurence Hartmann & Isabelle Barbet**, Lecturers at CNAM, France
Sustaining Assistive Technology Reuse Programs: The Desirability of Estimating their Green Value

16:00-16:10 **Closing Remarks**

We look forward to seeing you
at
AWARE



PRISM

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