



Australian Organics Recycling Association
ANNUAL CONFERENCE

5 - 7 June 2024

Sea World Conference Centre, Gold Coast

*Collaboration for Success -
Securing our industry's future*

CONFERENCE PROGRAM



PROUDLY SUPPORTED BY:



Queensland
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Striving for a better future through a circular economy



Find out how Queensland's Organic Strategy will strengthen and transform the organics supply chain, accelerate jobs growth and invest resources in the circular economy.



Queensland
Government

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ABOUT AORA



The Australian Organics Recycling Association (AORA) works on behalf of its members to raise awareness of the benefits of recycling organic resources.

It aims to act as an advocate for the wider organics resource recovery and beneficial reuse industries, and to represent their views in a constructive dialogue with policy makers. The Association envisages an industry in which best practice is shared, standards are maintained and surpassed, and a positive contribution to safeguarding the environment is made.

The Association consists of a national Board of Directors which provides the strategic direction and governance/risk oversight of the Association. A National Executive Officer, who reports to the Board, administers the operations of the Association on a day-to-day basis. State committees provide local industry representation and services in addition to acting as a conduit of information and intelligence on state-based industry issues into the national Board and National Executive Officer. This structure works to provide a means of addressing state and national matters in a coordinated and effective manner.

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ABOUT THE CONFERENCE

The AORA Annual Conference is the principal conference in Australia for the recycled organics industry. Each conference is a forum for education, discussion and networking related to Organics Recycling. It is also an opportunity to celebrate outstanding achievements in the industry.

The AORA Annual Conference features workshops, presentations, social functions and an equipment demonstration day. This is an opportunity to network with industry leaders and gain insight to the latest achievements in the Organics Recycling Industry.

The first AORA conference was held in 2013 in Sydney and is now run annually, rotating the location around Australia.

ORGANISING COMMITTEE

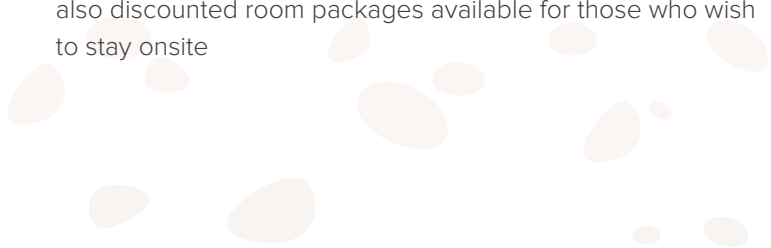
- Kurt Palmer, CEMAC Technologies (Chair)
- Kali Martin, WestRex
- Cara McNicol, Queensland Government
- Celia Luck, Queensland Government
- Deon Cope, Komptech CEA
- Simon Humphris, Environmental Resource Solutions
- Dr Stephen Ockerby, Agsight
- Veronica Dullens, rEvolvE Services
- John McKew, Australian Organics Recycling Association
- Alex Hammett, Australian Organics Recycling Association

VENUE

Sea World Resort Conference Centre
Seaworld Dr, Main Beach QLD 4217

Set between the Gold Coast's spectacular Broadwater and the Pacific Ocean, Sea World Resort is an idyllic location for conferences and events.

Sea World Resort is only a short walk away from special encounters with Sea World's wonderful marine life. There are also discounted room packages available for those who wish to stay onsite



WELCOME

On behalf of the AORA Board of Directors and 2024 Organising Committee, I take great pleasure in welcoming you to the AORA 2024 Annual Conference: Collaboration for Success - Securing our industry's future.

Recognising that strong partnerships lie at the centre of a successful and robust industry, this year's Conference will identify key focal points for collaboration including exploring the Federal Government's future plans and initiatives impacting the organics recycling industry. Integrating these insights with the latest research outcomes and findings, holds transformative potential that can further identify critical unknowns and research priorities, driving the industry forward.

By establishing strong foundations of collaboration between all levels of government, academia, industry and end-users creates an opportunity to navigate regulatory landscapes, identify priority issues and allow exploration of potential investment avenues that bolster industry sustainability and growth.

Delegates will hear from some of Australia's most prominent industry experts, as they share their expertise, demonstrate their equipment and technology and showcase their innovative ideas.

I would like to extend a special welcome to our keynote speakers - Dr Sally Brown and Steve Nicholson. I would also like to thank the members of the organising committee, all of the presenters and our sponsors and partners whose generous support is essential to the success of this event.

I look forward to meeting and engaging with as many of you as possible over the next few days.



Kurt Palmer

AORA 2024 Conference Chair

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KOMPTECH



THANK YOU TO OUR SPONSORS

AORA would like to acknowledge the generous support of our sponsors and partners:

GOVERNMENT PARTNER

QUEENSLAND GOVERNMENT



**Queensland
Government**

The Queensland Government recognises the value that organic material can have for both our environment and economy.

We are working in partnership with industry and the community to avoid organic waste generation and improve the management of organic materials.

The Queensland Organics Strategy 2022–2032 sets our direction, guiding the work required toward achieving a minimum organics recycling rate of 70 per cent by 2030. This collective action is key to supporting Queensland's transition to a circular economy.

We are proud to partner with the Australian Organics Recycling Association and support the 2024 Annual Conference through the Queensland Government's Recycling and Jobs Fund.

des.qld.gov.au

BARISTA SPONSOR

VAN SCHAİK'S BIO GRO



Van Schaik's Bio Gro is a family-owned Australian business operating organic receipt and composting facilities in South Australia and Victoria. Their manufacturing and quality control processes enable the diversion of organic material from landfill and the creation of a range of quality products for the horticulture, viticulture, agriculture and landscape markets.

biogro.com.au

AORA SILVER SPONSOR

CONFERENCE DINNER SPONSOR

HITACHI



Hitachi Construction Machinery (Australia) Pty. Ltd. (HCA) is a subsidiary of Hitachi Construction Machinery Co., Ltd. (Japan) established in 1949. A leading global manufacturer of Hitachi branded mining and construction equipment.

HCA is the exclusive distributor of Hitachi and Bell products in Australia. Committed to delivering machinery sales and support to Australian customers across the mining, construction, quarry, material handling and waste & recycling industries through a network of wholly-owned national branch network across Australia.

As part of an extensive global network; HCA is in a strong position to meet customer needs 24 hours a day, 7 days a week.

hitachicm.com.au

WATER BOTTLES SPONSOR

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With four decades' experience, LMS Energy (LMS) is Australia's leading methane abatement and bioenergy company and one of the country's largest emissions reducers. LMS owns and operates more than 60 biogas projects across Australia, New Zealand and the United States that significantly reduce the carbon footprint of landfills and collectively generate enough energy to power 100,000 homes. LMS and its subsidiary, Helmont Energy, are pioneering anaerobic digestion from agricultural waste projects, and leveraging their expertise to decarbonise the Australian economy and make a material contribution to Australia's journey to net zero.

lms.com.au

AORA PLATINUM PLUS SPONSOR
WELCOME FUNCTION SPONSOR
KOMPTECH CEA



Komptech CEA is a leading supplier of machinery and systems for the mechanical and mechanical-biological treatment of solid waste and biomass as a renewable energy source. As a premier service provider, we supply and service waste recycling equipment ensuring a first-class customer service experience that extends beyond the sale of the machine.

With branches in Australia & New Zealand and a team of highly experienced service technicians on hand, Komptech CEA is your trusted partner throughout the life of your machine.

komptechcea.com.au

AORA PLATINUM PLUS SPONSOR
DEMO DAY SPONSOR
FOCUS ENVIRO



FOCUS enviro is a specialist provider of environmental equipment solution for the organics recycling industry

By understanding and matching application requirements to the client's specific needs they offer a range of value for money and tailored options to deliver efficiency and build customer profitability.

With a team of experienced industry professionals, FOCUS sets the standard for in market customer service. Delivering national and international proven technology with excellent local support is the winning combination.

focusenviro.com.au

AORA GOLD SPONSOR
SUPPORTING SPONSOR
AUSTRALASIAN BIOPLASTICS ASSOCIATION



The ABA is the peak body for the bioplastics industry in Australia and New Zealand, and administers a voluntary verification scheme for claims of compliance with Australian Standards 4736 and 5810. The ABA advocates for the appropriate use of certified compostable materials

bioplastics.org.au/about

SUPPORTING SPONSOR
VERMEER



Designed with innovations that help improve productivity, streamline maintenance and protect operators, Vermeer's organic recycling equipment is built to last and is fully supported with parts and service from your local Vermeer Australia dealership.

Part of RDO Equipment Pty Ltd, our dealership network proudly employs over 950 employees across 29 locations in metro and regional Australia.

vermeeraustralia.com.au

THANK YOU TO OUR SPONSORS

AORA would like to acknowledge the generous support of our sponsors and partners:

LANYARDS SPONSOR

AGSIGHT



AgSight specialises in technology and research for agriculture in Australia.

Our primary technology is the SOLVITA™ range of compost and soil microbial activity tests. Solvita tests can help industries use recycled organic products to regenerate a healthy soil.

AgSight recognises the importance of the AORA conference in achieving this goal.

agsight.com.au

DEMO DAY HOST

BMI RESOURCE RECOVERY



BMI Group is a leader in Waste Management for Resource Recovery, Landfilling and Remediation and the operation of Transfer Stations across the Brisbane, Ipswich and Gold Coast regions. We have extensive experience across a range of waste management practices and waste streams and remain committed to providing sustainable practices, innovative solutions and continual improvements in recovery, recycling and reuse contributing to the circular economy objectives.

bmigroup.com.au

AORA BRONZE SPONSOR

SESSION SPONSOR

SPHERE INFRASTRUCTURE



Sphere was founded in 2018 in recognition of the need for advisors with specific environmental sector experience, development capability and expertise in delivering complex transactions and structures. Sphere works across all sectors of environmental infrastructure and services, including water, waste, energy, and precinct utility solutions to help clients deliver on their goals.

sphereinfrastructure.com

SESSION SPONSOR

CONFOIL



DualPakECO® trays are made in Australia by Confoil using compostable ecovio® biopolymer coating by BASF.

The coating is food contact safe and has barrier qualities against liquids and oils.

The certified compostable trays can be frozen or refrigerated and are microwave safe and ovenable for 40 minutes, up to 180 degrees.

confoil.com.au

LATE NIGHT NETWORKING SPONSOR
STEINERT AUSTRALIA



STEINERT works with customers to achieve their sustainable solution goals such as in the removal of foreign contaminants from green waste. Ask about the latest in STEINERT's NIR sensor sorting technology, powerful Eddy Current Separation systems and Overhead Suspension Magnets solutions so to help improve product purity or limit environmental impact from operations.

steinert.com.au

SESSION SPONSOR
RMCG

RMCG

RMCG is a multi-disciplinary consultancy specialising in environment, agriculture and communities providing advice to government agencies, water utilities and private sector clients. RMCG considers organic and recoverable materials as resources and develops processes and reuse schemes that integrate circular management principles including designing out waste.

rmcg.com.au

WATER STATIONS SPONSOR
YARRA VALLEY WATER



Yarra Valley Water is one of Australia's largest water utilities, servicing 2 million Victorians and more than 61,000 businesses. Our service area covers 4,000 square kilometres stretching from Wallan in the north to Warburton in the east. Our network consists of more than 20,000 kilometres of water and sewer mains and we manage almost \$6 billion worth of assets.

yvw.com.au/food-waste-energy



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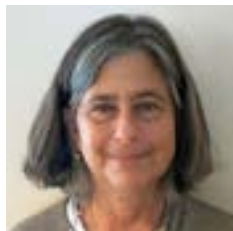


yvw.com.au/food-waste-energy

KEYNOTE SPEAKERS

SALLY BROWN

Research Professor, School of Environmental and Forest Sciences - University of Washington



Sally Brown is a research professor at the School of Environmental and Forest Sciences at the University of Washington. She has a BA from Williams College and a MS and PhD from the University of Maryland in Soil Science. Her research focuses on different aspects of the use of biosolids and composts including risks associated with contaminants, in situ restoration of contaminated sites, carbon balance for different end use options, and integration of residuals use in green urban infrastructure.

She is a Fellow and former Board member in the Soil Science Society of America, a former Board member in the US Compost Council, and was a two-term member of the National Academy of Science Standing Committee on Soil Science. She was a member of the NAS committee on the bioavailability of contaminants in soils and sediments. She has co-edited two books on urban agriculture and is a member of the USDA Committee on Urban and Innovative agriculture. She has written a column for Biocycle Connect for close to twenty years.

STEVE NICHOLSON

Owner/Operator, Eniver & Agricultural Agronomy Consultant



Agricultural Agronomist, Steve Nicholson operates 'Eniver', a mixed farm of about 4000 hectares between Forbes and Grenfell in New South Wales.

Over the 22 years he has been farming 'Eniver', Steve has adopted minimum-tillage practices and ensured constant ground cover to build carbon. He has experimented with various soil amendments to boost soil health and through regular soil testing, Steve has seen an increase in organic carbon content every year.

Steve was awarded Conservation Farmer of the Year for Lachlan Valley in 2010 and has participated in numerous boards and committees including: Ooma Creek Land Care, the Grains Research Development Corporation Advisory Committee and Australian Woolgrowers Association.

MASTER OF CEREMONIES

CATE MCQUILLEN

Head Smarty Pants – mememe Productions

Cate McQuillen is a producer and writer, known for Dirtgirlworld (2009) and Get Grubby TV (2014).

From her home base in the Northern Rivers Region of NSW, Cate is one half of mememe productions, creating 'out there' children's programming for a new generation of content seekers. With a myriad of skills and interests, her greatest assets are her approach and attitude and ability to generate ideas, motivate, inspire and see the 'big picture'.



BMI Resource Recovery is an industry leader driving growth in the circular economy for recycling in South-East Queensland. Operating and managing eight facilities, including resource recovery, transfer stations, landfills, and three former mining and quarry sites that are undergoing site rehabilitation, BMI is dedicated to sustainability, waste diversion, and best practice to protect our people and the environment.

BMI is committed to ongoing investment in resource recovery conversions and continues to develop our sites to expand our current waste stream offerings. We are constantly expanding our operations by implementing state-of-the-art waste sorting technology and improving our concrete crushing operations.



bmigroup.com.au



DEMONSTRATION DAY

Wednesday 5th June 2024

SEE EQUIPMENT IN ACTION AT THE AORA DEMONSTRATION DAY

The AORA Demo Day is proudly sponsored by:



See grinders, screens, loaders and other equipment in operation with live demonstrations, and take the opportunity to see the equipment up close, compare different models and meet with suppliers all in the one place.

Timetable*

0830	Registration (Foyer of Sea World Resort)
0915	Bus 1 Departs Sea World Resort
0920	Bus 2 Departs Sea World Resort
0930	Bus 3 Departs Sea World Resort
1030	All attendees onsite
1030	Introductions, safety and housekeeping Demo Day Sponsor Welcome - FOCUS enviro Demo Day Host Welcome - BMI Resource Recovery
1100	Demonstrations & Static Displays
1230	Break for Lunch
1300	Demonstrations & Static Displays
1430	Opportunity to view equipment and meet with suppliers
1445	Bus 1 Returns to Sea World Resort
1500	Bus 2 Returns to Sea World Resort
1515	Bus 3 Returns to Sea World Resort
1615	All attendees arrive at Sea World Resort
1730	Networking Function

*Note: Schedule is subject to change

Thank you to the following organisations for their contributions to the 2024 AORA Demo Day:



Equipment on display

Company	Machine
FOCUS enviro	Edge FTS65 Deep Stack Turner
	Edge TRT622 High Capacity Tracked Trommel Screen
	Edge VS420 High Torque Slow Speed Shredder
	Rotochopper FP66 Horizontal Grinder
CEMAC Technologies	HAAS Arthos 1600 Hammermill
Finlay Waste & Recycling	Terex Ecotec TRS550 Spaleck Screen
	Terex Ecotec TDS820 Slow Speed Shredder
	Terex Ecotec TBG630 High Speed Grinder
Hitachi Construction Machinery Australia	Hitachi ZW250-7 Wheel Loader
Komptech CEA	Diamond Z 5500 High Speed Grinder
	Komptech Terminator 6000 Slow Speed Grinder
	JCB 560-80 Industrial Telescopic Handler
Lincom Group	Morbark 6400XT Woodhog Horizontal Grinder
Liugong	LiuGong 856H-E Electric Wheel loader
Pacific Materials Handling	Sennebogen 355 E Telehandler
SKALA Environmental	Eggersmann Star Select S60 Star Screen
	Eggersmann Teuton Z50 Single Shaft Shredder
	BACKHUS A 30 Compost Turner
Tuff Buckets Australia	Redback DS1125T Horizontal Grinder
	Redback DS700T Greenwaste Grinder
Vermeer Australia	Vermeer HG6800TX Horizontal Grinder
	Vermeer HG6000TX Horizontal Grinder
	John Deere E260LC Excavator

SOCIAL FUNCTIONS

Networking Function

Join us after the Demonstration Day for an evening of drinks, canapes and networking with the exhibitors, speakers, sponsors and other attendees.

Sponsored by:



- Date:** Wednesday 5 June 2024
- Time:** 5:30 - 7:30pm
- Venue:** Trade Exhibition Area
- Dress:** Casual
- Tickets:** Included in full registrations or tickets available to purchase for \$125.

Conference Dinner

The Conference Dinner is traditionally a highlight in the AORA Annual Conference program and provides an opportunity for the participants to relax and engage in the type of networking that is vital to furthering the recycled organics industry.

Sponsored by:



- Date:** Thursday 6 June 2024
- Time:** Please assemble in the Sea World Resort Lobby from 6:30pm. The dinner will conclude by 10:30pm.
- Venue:** Sea World Plaza
- Dress:** Smart Casual. Bring a jacket & wear comfortable shoes



Late Night Networking Lounge

Continue networking after the social functions on Wednesday 5th and Thursday 6th June in the exclusive AORA Late Night Networking Lounge*.

A television will be setup in the Lobby Lounge on Wednesday 5th June for those wanting to watch Game One of the 2024 State of Origin series.

Sponsored by:



- Date & Time:** Wednesday 5 June 2024: 7:30 - 11:00pm & Thursday 6 June 2024: 10:30pm - 1:30am (Friday)
- Venue:** Sea World Resort Lobby Lounge
- Dress:** Casual

**Cash bar (credit or debit cards only) or bar tabs and a light food menu available.*

Shark Bay Tour

All conference delegates are invited to participate in a private tour of Sea World's award-winning Shark Bay.

Be amazed by the magical display of tropical fish, rays and other bottom-dwellers in the stunning Tropical Reef Lagoon. You'll come face to face with the impressive sharks that will glide past the huge windows offering a glimpse into the world of one of the ocean's top predators in the massive Shark Lagoon.

Date: Friday 7 June 2024

Time: 7:45 - 8:45am

Venue: Meet in the Sea World Resort Foyer at 7:45am

Dress: Casual

CONFERENCE APP



The conference app includes the conference program, information about speakers, sponsors and exhibitors as well as the attendee list. Slido (for Q&A and responding to polls) can also be accessed through the App.

The app works on both Android and iOS devices. Download the "conf.app" app on the App Store or Play Store and use the QR Code or link below.

The event access code is **AORA24**.

<https://conf.app/event/7de4a906-be8f-4698-abb5-d956c76e7241>



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PROGRAM

Thursday 6th June 2024

0800 Registration, tea and coffee

OPENING PLENARY

0830 Welcome and housekeeping
John McKew, NEO - Australian Organics Recycling Association & **Cate McQuillen**, Master of Ceremonies

0840 State Minister video address
The Hon. Leanne Linard MP, Minister for the Environment and the Great Barrier Reef

0850 Official welcome
Charlie Emery, Chair - Australian Organics Recycling Association

0900 Opening address
Sam O'Connor MP, Shadow Minister for Environment and the Great Barrier Reef

0910 INTERNATIONAL KEYNOTE: One stop shopping
Prof Sally Brown, University of Washington (USA)
Compost is the environmental equivalent of duct tape. It can effectively hold the planet together. Pretty much anything you need done, you can do either by composting or by using compost. You get methane avoidance when food scraps are taken from the landfill to the pile. For soils, it enriches soil carbon and is the most effective tool for both soil carbon storage and restoring soil health.

0940 Collaborating for success - The path to 80% by 2030
Andrew Connor, Queensland Government
In 2022, the Queensland Government released the Queensland Organics Strategy 2022-2032 outlining key objectives by 2030; one of which aims to divert 80% of organic material generated from landfill. We discuss how we are collaborating across our department and externally to take everyone on the journey to 80%.

1000 Questions and discussion

1030 Morning tea break

SHAPING THE INDUSTRY'S FUTURE

1100 Circular Economy: The new economy
Lisa McLean, Circular Australia
Circular economy is the only viable economic framework to grow jobs and industry in a resource and carbon constrained future. Australia and its trading partners are choosing circular economy because it will tackle the triple planetary crises of climate change, biodiversity loss and resource depletion. Organics will be at the forefront of Australia's circular transition, join Lisa McLean CEO Circular Australia in understanding why.

1120 What should a revised AS4454 look like?
Dr Kevin Wilkinson, Frontier Ag & Environment
The scope and structure of AS4454-2012 is largely based on historical factors dating back to the mid-1990s, but many of those factors no longer apply. What could a revised AS4454 look like, and what are the potential implications for the recycled organics industry?

1140 Same s#&t different risk - Just how different are our State Guidelines?
Janine Price, Scolexia
State guidelines developed by regulators differ across all aspects from scope to feedstock categories and risk, QA, process requirements and contaminant parameters. This presentation highlights the key inconsistencies and their significant impacts on the operation, reputation and market access of the Australian Composting Industry.

1200 Questions and discussion

1230 Lunch

PANEL: A COMMON VISION

1330 This panel session will explore the synergies and differences in State Government visions, strategies and policies for the organics industry across Australia.

Panelists include:

- **Cara McNicol**, Queensland Government
- **Hugh Christie**, Tasmanian Waste and Resource Recovery Board
- **Mark Bannister**, EPA Victoria
- **Sarah Larkin**, NSW Environment Protection Authority
- **Jessica Wundke**, Green Industries SA

1500 Afternoon tea break

DEFINING THE MARKET

1530 The power of compost
Prof Susanne Schmidt and Dr Nicole Robinson, University of Queensland
Knowledge is gathering that compost has a large role to play in sustainable agriculture. We present research, globally and locally, that highlights the benefits when compost uses are optimised, including fertiliser savings, yield improvements and achieving climate goals. We discuss what remains to be done so that farmers can benefit from quality compost.

1550 Establishing market specification and demand for Qld organic materials
Nick Behrens, Queensland Economics Advocacy Solutions
Diverting organic resources for recycling closes the loop on food and organic waste. Meeting market specifications and demand forms a key part of AORA's strategy and policy agenda, seeking a future where recycling of organic materials is maximised and optimised. This presentation provides insights into user requirements across key markets.

1610 The best practice compost standard and its implications
Mike Ritchie, MRA Consulting Group
The best practice compost standard has been used by a few councils now in tendering. It raises the bar for compost quality to ensure that compost has a market and that councils are willing to guarantee buy back. Output quality provisions are common in manufacturing contracts and should become the norm for compost manufacturing.

1630 Questions and discussion

1700 Close Day 2

1830 Conference Dinner

Friday 7th June 2024

0745 Shark Bay Tour

0830 Registration, tea and coffee

RESEARCHING FOR SUCCESS

0900 The truth about granulated compost products

Joshua Bennett-Jones & Johannes Biala,
University of Queensland

The characteristics of six compost granules and pellets will be presented, together with a realistic assessment of their capacity to supply plant nutrients and support early crop growth.

0920 Solving compost microplastic pollution via industry-led collaborative research

Prof Andy Ball, RMIT University &
Prof Chengrong Chen, Griffith University

This presentation will discuss how the issue of microplastics in compost can be effectively tackled via newly approved R&D platform - The Solving Plastic Waste CRC.

0940 Innovative research findings on risk assessment of composts

Prof Thava Palanisami, & Dr Zahra Sobhani,
University of Newcastle

This study conducted the risk assessment of composts from feedstock (compostable materials in the Australian market and cotton textiles) to the final product.

1000 PANEL: What we don't know, but need to know - A research perspective

Led by: Bill Grant, Federation University

1030 Morning tea break

THE VALUE OF COMPOST TO AGRICULTURE

1100 KEYNOTE PRESENTATION: Using organics in broad acre agriculture: A farmer's perspective

Steve Nicholson, Eniver

This presentation will discuss why we started using organics, the results achieved so far, our failures and successes, the problems encountered, and strategies to overcome them. Additionally, it will explore the significance of organics in a soil carbon program and its role in the future.

1130 Cost benefit analysis of FOGO compost use in Australian viticulture production

Mary Addae, University of Queensland

Using cost benefit analysis, this study assesses the economic and environmental implications of FOGO compost use in grape production, aiming to inform wine producers about optimising practices for enhanced yield, quality, and sustainability.

1150 Using matured composts makes farm soils deeper and more productive: An update

Bill Grant, Future Regions Research Centre, Federation University & **Frank Harney,** Elmore Compost and Organics

The presentation will detail work being undertaken by Federation University and composters at sites in central Victoria and Gippsland, with a focus on trials using compost to improve duplex soils with shallow topsoil and hostile subsurface clays.

1210 Marketing compost into agriculture using gross margin analysis

Simon Leake, SESL Australia

Gross margin analysis can be used to assess the value of compost to farmer. On-line calculators can be used to determine what agricultural sector can benefit from use of organics and which ones never will, to guide the marketing of organics.

1230 Questions and discussion

1300 Lunch

INNOVATION IN ACTION

1400 OREZ believes in the power of innovation through collaboration

Oliver Brunt, Orez

Partnering with industry suppliers and operators aligns with Orez's commitment to deliver cutting-edge processing solutions. While facilitating the exchange of ideas, expertise, and resources to accelerate the adoption of innovative technologies within the Australian waste and recycling ecosystem.

1420 Rethinking composting – The role of the organics facility in biosecurity

Matthew Layton, Dulverton Waste Management

In this paper, we will examine two recent examples within regional Tasmania, where the Dulverton Organics facility took a leading role in the response of a Bio-security outbreak and marine oil spill.

1440 Agile recycling technology for organics - Insect robots to unlock distribution

Olympia Yarger, Goterra

Goterra is a startup that has redesigned food waste management to deliver circular economy outcomes using insects with robotics to produce sustainable agricultural products. Olympia will share insights into the challenges of redesigning waste management infrastructure for the future.

1500 SOILCO's in-vessel composting journey: Lessons, insights and evolution

Charlie Emery, SOILCO

In 2016, SOILCO built its first IVC tunnel. After more than 42 years in business and 31 years of composting, this represented a key step change in SOILCO's infrastructure offering. Fast forward to 2024, and SOILCO is successfully operating 3 IVC sites and is preparing for its largest yet. This presentation reviews the lessons learned from SOILCO's IVC journey.

1520 Questions and discussion

1550 Conference wrap up and closing remarks

Charlie Emery, Chair - Australian Organics Recycling Association

1600 Conference Close

EXHIBITOR CATALOGUE

Agrotech Automation

Booth 11



Agrotech Automation is a market leader in providing turnkey automation solutions to the global organic recycling industry. Our products include shredders, automated composters, granulation and pelleting lines for organic fertiliser plants, as well as round baling solutions. We have successfully completed projects of various scales across Australia, Asia, North and South America, and Europe. Our commitment to understanding standards and ensuring compliance makes us the ideal partner for your next project, wherever it may be.

Contact Tugrul Durali
Phone 0474 035 680
Email sales@agro-tech.com.au
Website agro-tech.com.au

Australian Organics Recycling Association

Booth 30



AORA works with all stakeholders to facilitate an operating environment which maximises the recycling and reuse of organic materials, and promotes the benefits of compost, soil conditioners and mulches across the Australian community and business.

Contact Alex Hammett
Phone 0434 625 472
Email alex@aora.org.au
Website aora.org.au

Australasian Bioplastics Association

Booth 06



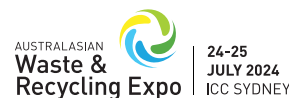
The Australasian Bioplastics Association (ABA) is the bioplastics industry peak body in Australasia, dedicated to promoting the appropriate use of bioplastics that are certified compostable.

Alongside member-based activities, the ABA administers voluntary verification schemes, for companies or individuals wishing to have their claims of compliance to composting standards verified.

Contact Natasza Letowt-Vorbek
Phone 0430 192 695
Email neo@bioplastics.org.au
Website bioplastics.org.au

Australasian Waste & Recycling Expo

Booth 29



24-25
JULY 2024
ICC SYDNEY

The Australasian Waste and Recycling Expo (AWRE) is where the best come together to join forces for a world-of-solutions towards a cleaner, more sustainable future. On 24-25 July at the ICC Sydney, AWRE will host education seminars, networking events, and a show floor of solutions from diverse industry waste streams. Discover the latest cutting-edge technology, solutions and services at the most respected display of efficient, profitable and sustainable solutions for the waste and recycling industry.

Contact Theresa Mugliett
Email tmugliett@divcom.net.au
Website awre.com.au

Bio Gro

Booth 04



Bio Gro's mission is to deliver Quality Products From Organics. Our operations in Wandilo (South Australia) and Dandenong (Victoria) are EPA licenced organic receival facilities which provide both government and industry options for their organic waste management. These facilities receive organic waste materials which are then processed using methods approved by Australian Standards to produce high quality growing media/potting mix, mulches and composts for a range of industries.

Contact Patricia Scott
Phone 0419 257 245
Email patricia@biogro.com.au
Website biogro.com.au

Cardia Bioplastics

Booth 15



Cardia Bioplastics is a highly awarded Australian global developer, manufacturer and marketer of environmentally friendly sustainable resins, film and finished products derived from renewable resources. Our focus on R&D places us at the forefront of sustainable technology, enabling us to supply the high performing and economical products. My Eco Bag is the brand of Cardia's bags and finished products.

Contact Deanna Crawshaw
Phone 0403 333 406
Email dcrawshaw@secosgroup.com.au
Website myecobag.com.au

CEMAC Technologies

Booth 08



CEMAC technologies offers a high level of engineering experience and proven technologies for the Circular Economy. With a focus on material resources, we offer over two decades of experience in Resource-Recovery, Plant Engineering and Equipment Design. Creating value for businesses and communities, we tailor cutting edge solutions incorporating the most up to date technologies.

Contact Kurt Palmer
Phone 0491 758 290
Email kurt.palmer@cemactech.com
Website cemactech.com

EEA Group

Booth 17



EEA Group was created over 12 years ago, originally named Earthmoving Equipment Australia. After starting with the exclusive Thwaites Dumper distribution rights, expanded to selling Case Construction machinery, Merlo Telehandlers and more. The EEA Group name was introduced in 2021, with other quality machinery brands becoming part of the family. This includes Bandit chippers and grinders, Hansa Chippers, Tesab Screening & Crushing & Doppstadt waste & recycling equipment.

Contact Lucas Stewart
Phone 0447 233 118
Email lucas@eeagroup.com.au
Website eeagroup.com.au

COVA

Booth 07



COVA are Design and Construction Contractors with a focus on organic waste treatment. COVA's experience offers a comprehensive knowledge of waste treatment technologies. We have refined and optimised solutions to suit the Australian market and have a modular design that can be tailored to suit a range of feedstocks and be sized to suit a range of capacities.

Contact Chris Tummon
Phone 0419 159 726
Email chris.tummon@covagroup.com
Website covagroup.com

Environmental Analysis Laboratory - SCU

Booth 02



Environmental Analysis Laboratory (EAL) - Southern Cross University, is an innovative research, teaching and commercial laboratory offering cutting-edge, quality assured competitive services nationally and internationally. Specialising in compost, soil, plant tissue and water testing, EAL provides comprehensive analysis to meet compliance guidelines, to Australian Standards, for composts and landscape soils. SCU is spearheading the organics recycling revolution through the new innovative Regenerative Agriculture Degree.

Contact Brian Smith
Phone 0437 016 091
Email brian.smith@scu.edu.au
Website scu.edu.au/eal

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ABOUT OUR
GREEN WASTE +
ORGANIC
SORTING
SOLUTIONS?**



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Find out more



Visit us at Stand #5 at
the AORA Conference



EXHIBITOR CATALOGUE

Envirosuite

Booth 13



Envirosuite is a leader in Environmental Intelligence solutions across diverse industries, including waste management. Our Omnis solution combines high-resolution weather models with hyper-local monitoring to empower waste facilities to conduct operations efficiently, and to optimise their processes while ensuring environmental compliance and providing a social licence to operate.

Contact Seán Verlander
Phone 1300 987 009
Email marketing@envirosuite.com
Website envirosuite.com

FOCUS enviro

Booths 09 & 14



FOCUS enviro is a specialist provider of environmental equipment for the organics recycling industry. They offer lower-cost tailored solutions, from single equipment supply to complete integrated systems. Selected technologies include Shredders, Trommel screens, Air separators, Turners, Flip-flow screens, Mulch colouring and FOGO systems to create and maximise value in organic recycling.

Contact Ryan McParland
Phone 0416 827 056
Email ryan@FOCUSenviro.com.au
Website FOCUSenviro.com.au

Eriez

Booth 19



Eriez' recycling equipment is designed to separate contaminants and recover metals in applications including organics and compost, automotive shredder residue, MSW, e-waste, glass cullet, PET plastics, incinerator bottom ash and many other waste treatment and resource recovery operations. Eriez equipment is helping to achieve better recovery and a cleaner-grade product while delivering it at a lower cost per ton.

Contact Jonathan Schulberg
Phone 0438 013 798
Email jschulberg@eriez.com
Website eriez.com.au

Gore Cover | Sustainable Generation

Booth 12



Sustainable Generation offers advanced, encapsulated composting technology using GORE® Cover, a highly engineered semi-permeable membrane that has proven, exceptional performance in reducing odours and GHG emissions while providing a clear separation of stormwater from process water. This technology is characterised by having the total lowest cost of ownership and ease of operations.

Contact Geoff Hemm
Phone 0403 363 289
Email Geoff.Hemm@sustainable-generation.com
Website sustainable-generation.com

Finlay Waste and Recycling

Booth 22



Finlay are a specialist provider of crushing, screening, and processing equipment for the mining, quarrying and waste recycling industries. Finlay are the exclusive dealers in QLD, NSW, VIC, SA, ACT, TAS and PNG for Terex Finlay, Terex Ecotec and Terex Recycling Systems.

Our waste and recycling product portfolio includes trommels, horizontal wheeled & tracked grinders, slow speed shredders, recycling screens with Spaleck technology and material handlers.

Contact Brad Scott
Phone 1800 777 300
Email sales@finlay.com.au
Website finlay.com.au

Hitachi Construction Machinery

Booth 24



Hitachi Construction Machinery (HCA) is part of the global Hitachi Construction Machinery Co., Ltd (Japan) group of companies. HCA is the exclusive distributor of Hitachi and Bell products in Australia. Hitachi is committed to a more sustainable society as well as delivering machinery sales and support to Australian customers across the mining, construction, quarry, material handling and waste/recycling industries. HCA's global network and 24 wholly-owned national branches enable it to meet customers needs 24 hours a day, 7 days a week.

Contact Matt McCarthy
Phone 0409 758 524
Email mccarthy@hcma.com.au
Website hitachicm.com.au

Kerfab

Booth 33

Kerfab
ATTACH+GO

As Australia's leading supplier of fit for purpose attachments Kerfab helps get the most out of our customers wheel loaders, telehandlers, and skid steers.

From buckets and grabs through to pallet forks and sweepers, Kerfab are experts in designing and manufacturing attachments that optimise the performance of your machine and your operation.

Contact Ryan Hoban
Phone 1800 818 079
Email sales@kerfab.com
Website kerfab.com.au

Lincom Group

Booth 20

LINCOM
GROUP

Lincom Group is an Australian-owned family business based in Southern Queensland with service branches and warehouses across Australia. The Lincom Group has been providing the best-in-class material processing equipment to the quarry, mining, recycling, and forestry industries for over 25 years. Lincom Group also offers tailored solutions for customers and provides hire, service support and spare parts. With six branches and fully equipped manufacturing facilities, they can produce custom fit-outs, safety guards, machine rebuilds and repairs.

Contact Renata Hjelmstrom
Phone 1800 182 888
Email sales@lincom.com.au
Website lincom.com.au

Komptech CEA

Booth 25

 **KOMPTECH** <CEA>

As a platinum AORA partner Komptech CEA is proud to distribute an extensive range of Komptech equipment suitable for waste processing and biomass treatment. With a line-up that includes shredders, separators, and other equipment used in recycling and waste management facilities Komptech CEA has a nationwide footprint ensuring customer uptime is a priority.

Contact Tara Stewart
Phone 0455 630 780
Email t.stewart@cea.net.au
Website komptechcea.com.au

LiuGong Machinery Australia

Booth 35

 **LIUGONG**
AUSTRALIA

LiuGong Australia delivers high customer satisfaction with our uncomplicated machinery and fast, reliable service. LiuGong Australia covers all major Oceania counties and regions with service locations and sales stock in 50+ branches. Perfect for Australia's tough conditions, our equipment reduces costs, increases productivity, and maximises profits. We work with our dealers to create mutual success and long-term partnerships.

Contact Shannon Bethe
Phone 0426 733 398
Email shannon.bethe@liugong.com
Website liugongaustralia.com.au


Australasian Bioplastics
association

Build trust and recognition of your products being certified compostable by joining the ABA verification programmes for AS 4736-2006, AS 5810-2010 and ISO 23517

Visit our website to find out more
www.bioplastics.org.au



AS 4736-2006 certified items:

- ✓ are suitable for composting and other microbial treatment
- ✓ meet the requirements of AS 4736
- ✓ contain no added PFAS
- ✓ have passed the earthworm 'ecotoxicity' test



AS 5810-2010 certified items:

- ✓ are suitable for home composting
- ✓ meet the requirements of AS 5810
- ✓ contain no added PFAS
- ✓ have passed the earthworm 'ecotoxicity' test



ISO 23517 certified items:

- ✓ meet the requirements of the international soil biodegradable standard
- ✓ have passed the earthworm 'ecotoxicity' test
- ✓ biodegrade in-situ, no removal required
- ✓ biodegrade to CO₂, water, and biomass with no detrimental effects

EXHIBITOR CATALOGUE

MECBIO

Booths 27 & 28



MECBIO is a full-service provider for the recovery of Organic waste, C&D waste, and plastics recycling. We design, build, and service state-of-the-art mechanical and biological waste recovery facilities converting wastes into new streams of use. We provide a wide range of world-class sorting and processing lines and specialist recycling equipment.

Contact Dean Dowie
Phone 0456 374 318
Email info@mecbio.com.au
Website mecbio.com.au

Orez

Booth 26



OREZ believes in the power of innovation through collaboration. Partnering with industry Suppliers and Operators Orez is committed to deliver cutting-edge processing solutions. While facilitating the exchange of ideas, expertise, and resources to accelerate the adoption of innovative technologies within the Australian waste and recycling ecosystem.

Contact Tara Stewart
Phone 0455 630 780
Email t.stewart@cea.net.au
Website orez.com.au

NALG & Hitachi Zosen Inova

Booths 01



Hybrid Organic waste processing Solutions with AD, Composting and Carbonisation. Carbon neutral, circular and greener operations with world leading technologies under one roof.

Contact Philip Parekalam
Phone 0414 979 628
Email philip@nalg.com.au
Website nalg.com.au | hz-inova.com

Premier Tech Systems and Automation

Booth 16



Premier Tech with its brand "Slootweg" is an international leader in delivering complete mixing lines and complete screening lines. We provide turn-key projects for a wide variety of products in the substrates and wood-processing markets. Our complete lines include hoppers, dosing systems, grinding machines, mixers, screening equipment, conveyors as well as baggers, balers, palletizers and hooders. We handle every aspects of your project, from concept to execution, so you can stay focused on your core business while we provide a turnkey solution and package.

Contact Sam LiRosi
Phone 0409 237 214
Email lirs@premiertech.com
Website www.ptsystemsautomation.com

OneTrak

Booth 21



At Onetrak our purpose is to supply and support heavy off-road equipment so our customers can get the job done.

Since 2006 we've been here to help with all things heavy machinery including sales, service, spare parts and rental. We supply equipment for forestry construction, crushing and screening and waste and recycling. We offer national support with servicing and parts, giving you peace of mind.

Contact Breeanna Bisset
Phone 0447 355 200
Email breeanna.bisset@onetrak.com.au
Website onetrak.com.au

Queensland Government

Booth 32



The Queensland Government recognises the value that organic material can have for both our environment and economy. We are working in partnership with industry and the community to avoid organic waste generation and improve the management of organic materials through the Queensland Organics Strategy 2022-2032.

Email CircularEconomy@des.qld.gov.au
Website desi.qld.gov.au

RDO Equipment

Booth 34



Today, RDO Equipment is one of the world's most trusted John Deere and Vermeer equipment dealers and sells and supports John Deere Construction & Forestry, and Agricultural & Turf machinery, as well as the full range of Vermeer equipment. RDO proudly employs over 850 staff and operates out of 29 dealership locations in metro and regional Australia, providing parts and service support for the agricultural, roads, construction, environmental, landscaping, mining, and forestry sectors.

Contact Christopher Nolan
Phone 0408 489 405
Email christopher.nolan@rdo.com.au
Website rdoequipment.com.au

STEINERT Australia

Booth 05



STEINERT works with customers to achieve sustainable solution goals in the removal of foreign contaminants from green waste. Ask about the latest in STEINERT's NIR sensor-sorting technology, powerful Eddy Current Separation systems and Overhead Suspension Magnet solutions, that improve product purity or limit environmental impact from operations.

Contact Bronte Abrahams
Phone 0435 737 585
Email abrahams@steinert.com.au
Website steinert.com.au

SKALA Environmental

Booth 18



SKALA Environmental is a specialized division within SKALA Australasia, focusing on the supply and support of quality mobile organics and recycling equipment. Their expertise spans various areas, including organics/FOGO & composting, municipal solid waste, construction & demolition, and commercial & industrial applications¹. They provide expert support and maintenance for the life of the equipment they supply.

Contact Craig Cosgrove
Phone 0423 280 611
Email craig@skala.com.au
Website skala.com.au/environmental

Tuff Buckets Australia

Booth 36



Tuff Buckets are a successful excavator and attachment sales business. They are located on The Central Coast NSW. Mick Turner from Tuff Buckets has teamed up with Redback to create a strong manufacturing and sales team to support our clients across Australia. All parts in these machines are manufactured locally and our response time is second to none.

Contact Mick Turner
Phone 0408 973 257
Email admin@redbackgrinders.com.au
Website redbackgrinders.com.au



DELIVERS ON THE DAILY GRIND




FIND OUT MORE ABOUT VERMEER
HORIZONTAL GRINDERS.

Contact your local Vermeer Australia team
to speak to our recycling specialists.
VERMEERAUSTRALIA.COM.AU | 1300 VERMEER



EXHIBITOR CATALOGUE

Vermeer
Booth 10



Across Australia, our dealership network proudly employs more than 850 employees across 29 locations in metro and regional Australia and provides an extensive range of premium equipment and after-sales support to service the agricultural, civil, construction, utility, mining, forestry, and natural resource management industries. Our size and breadth means we are able to offer Vermeer Australia customers a range of product, and a level of customer support that is unmatched.

Contact Damion Cooper
Phone 0472 740 281
Email damion.cooper@rdo-vermeer.com.au
Website vermeeraustralia.com.au

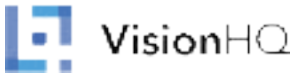
Waste Initiatives
Booth 23



Waste Initiatives has been a well-respected player in the waste industry for over 40 years. We are proud to offer an extensive range of premium and tailor-made solutions perfectly suited for processing organics. Our product portfolio includes Mobile Shredders, Static and Mobile Picking Stations, Trommel Screens, and Fine Recovery Systems with Flip-flow Screens. We offer design and engineering solutions, along with commissioning services, parts supply, and nationwide support for our customers.

Contact Shannon Sangster
Phone 1800 441 100
Email info@wasteinitiatives.com
Website wasteinitiatives.com.au

VisionHQ
Booth 03



VisionHQ is a Brisbane based startup company adopting cutting edge AI technology to automate the bin inspection process and provide contamination data for targeted education.

Contact Robin Lin
Phone 07 4276 6666
Email hello@visionhq.io
Website visionhq.io

Waste Expo
Booth 31



Waste Expo Australia is the country's largest gathering of waste management and resource recovery professionals, which brings together leading solution providers in the waste management, recycling, resource recovery and sustainability sectors.

Attracting more than 3,500 industry professionals, Waste Expo Australia is a must-attend event in the industry's calendar.

Contact Sherri Pearson
Phone 0434 606 540
Email sherri.pearson@rxglobal.com
Website wasteexpoaustralia.com.au

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RESEARCH PARTNERS



MEDIA PARTNERS



GENERAL INFORMATION

REGISTRATION DESK

If you are booked in for the Demonstration Day on Wednesday 5th of June, please assemble in the foyer of the Sea World Resort from 8:30am, the first bus will depart at 9:15am sharp.

All participants are required to wear long pants and enclosed, flat shoes. Hard hats and safety vests will be provided along with lunch and afternoon tea.

The Registration Desk (located immediately on the right as you walk in the main entrance of the Sea World Conference Centre) will be open between the following hours:

Wednesday 5th June
5:30pm - 7:00pm

Thursday 6th June
8:00am - 3:30pm

Friday 7th June
8:30am - 2:00pm

Mobile Phones



As a courtesy to conference presenters we request that mobile telephones are turned off or switched to 'silent' during all Conference sessions.

Internet Access



For complimentary WiFi access in the Sea World Conference Centre please use these login details:

Network: **VRTP EVENTS**

Username: **AORA24**

Password: **2024**

Parking



Car parking at Sea World Resort is complimentary for self-parking or Valet Parking is available through Concierge at the Hotel Reception for \$20.00 per car per stay (subject to change without notice) Click to access the Resort Map and Location. Vehicles left onsite are at owner's risk. Parking is also available on Sea World Drive, where permitted.

Need Assistance During the Conference?



Please visit the registration desk for assistance during the Conference. If the registration desk is not open, please phone 1300 421 065.

Disclaimer



Every effort has been made to present all the information contained in this brochure as accurately as possible. The organisers reserve the right to change, without notice, any or all of these details.

Privacy



In registering for this event, relevant details may be incorporated into a delegate list for the benefit of all attendees (name, organisation and title) and may be made available to parties directly related to the event including AORA and sponsors (subject to conditions). If you do not wish to be included in the delegate list, please email conference@aora.org.au.

Dress Code



The dress standard for the event is business/smart casual including sessions and evening functions. If attending the Conference Dinner, we recommend wearing comfortable shoes and bringing a jacket.

Name Badges



Your name badge is your entry pass for all conference sessions and social functions. To save time please wear your name badge whenever you are in the conference area.

Conference Papers



The Conference papers will be available within two weeks of the event. Attendees will be sent an email with a link and password as soon as they are available.

Airport Transfers



Airport transfers can be pre-booked through Alpha Transfers. Email booking@alphatransfers.com.au or phone 0478 806 438. Transfers between Sea World (Main Beach) and Coolangatta (Gold Coast) airport or vice versa are approximately \$120 (1 - 4 passengers) or \$150 (5 - 8 passengers).

Airtrain also operates between Brisbane Airport and Gold Coast stations. Visit airtrain.com.au to plan your journey.

Dietary Requirements



Any delegate who has advised they have special dietary requirements should identify themselves to Sea World Staff and will be advised of ingredients in the lunch items suitable to your diet.

If you are unsure if you have included any requirements on your registration form, please email our office at conference@aora.org.au as soon as possible. Whilst we will make every effort to accommodate any last-minute requests, we cannot guarantee them at this late stage.

Photography/Recording



By registering for the AORA 2024 Annual Conference, you consent and grant permission to AORA, its agents and others working under its authority, to take and to have full and free use of video/ photographs containing your image/ likeness. These images and recordings may be used for promotional, news, online/multimedia, research and/or educational purposes by and for AORA. Copies of the event photographs will be made available to the attendees after the event.

Contact



If you have any questions about the event, please contact the Conference Secretariat:

rEvolve Services

T: 1300 421 065

E: conference@aora.org.au



T 0434 625 472

E compost@aora.org.au

W www.aora.org.au

P PO Box 585, Hove SA 5048

