

Is Composting the Only Option for FOGO?

New Technologies Driving Economic Value

Webinar

Tuesday 23 Nov 2021
10:00am - 12:00pm

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TICKETS

AIEN & AORA Members: \$77 inc GST
Non Member \$110 inc GST

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Image supplied courtesy of SKALA Australasia Pty Ltd



The recovery of co-collected food and garden organics (FOGO) is becoming a widespread trend across Australia, gaining significant momentum with the public and councils.

To meet this demand, the recycled organics sector and the composting industry have grown exponentially, with organics recycling increasing from 5.15 million tonnes in 2006/07 to almost 7 million tonnes in 2018/19. Despite this shift, by weight, up to half of the average red bin disposed to landfill is still food and garden organics.

To help drive improvements in recycling rates for municipal and commercial / industrial wastes, recovery of FOGO is considered critical. By 2030, the NSW State Government will implement compulsory FOGO collections by all councils, with other states and territories following suit by rapidly employing various FOGO collection and recycling programs.

As FOGO implementation escalates across the nation, the AIEN sets out to explore opportunities and technologies beyond the well demonstrated options of windrow and in-vessel composting.

Through a number of seminars and webinars, the AIEN will demonstrate various innovative technologies that are deployed world-wide to derive more economic value from the nutrients and organic matter recovered from FOGO, assisting the councils and industry expand the range of infrastructure opportunities to support the sustainable and cost-effective diversion of organics from landfill.

This introductory webinar will serve as an overview of various topics, technologies and issues facing the industry and councils in implementing a successful FOGO program and will serve as a springboard for future events.

Attendee feedback will guide the AIEN in shaping and developing subsequent content specific to the industry and councils' needs and interests, which will then be presented in future webinars in the series.

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Webinar

PRELIMINARY PROGRAM

1000 Welcome and housekeeping

Colin Barker, Chair, Australian Industrial Ecology Network

1005 Setting the scene and webinar/workshop series objectives

Dr Mark Jackson, Jackson Environment and Planning & Australian Industrial Ecology Network

1015 State of play overview

Peter Olah, Australian Organics Recycling Association

- Broad overview of developments in the sector

1025 Driving FOGO collection programs by 2030 – NSW Government's Waste and Sustainable Materials Strategy

Amanda Kane, Manager Organics, NSW EPA

- Opportunities for increased diversion of FOGO from landfill
- Where are the gaps in FOGO collections?
- How are councils being incentivised to bring online FOGO collections
- Work underway in NSW to ensure market demand matches supply

1040 The Path to Half - Solutions to Halve Victoria's Food Waste by 2030

Matt Genever, Chief Operating Officer, Sustainability Victoria

- Significance of the food waste problem in Victoria
- Innovations needed to drive investment in prevention, recycling and energy recovery
- What incentives will drive progress to halve Victoria's food waste?
- Work underway in VIC to ensure market demand matches supply

1055 Comfort Break

1105 Byron Bioenergy Facility - FOGO into compost and biogas for green electricity

John Hart, Senior Program Manager, Byron Shire Council and **Simon Toal**, Skala Australasia

- Options for improved organics recycling in Byron Shire
- Drivers for investing in new dry anaerobic digestion technology and markets for outputs
- Climate change benefits from green electricity production
- Engaging and seeking community support

1120 Richgro's Jandakot Bioenergy Project - Commercial food anaerobic digestion plant

Tim Richards, Managing Director, Richgro

- The Richgro story – commercial composter to food waste digestion for green electricity production
- Opportunities for commercial organics food recovery
- Lessons learn in project establishment

1135 Walkthrough HZI Kompogas®'s latest anaerobic digestion plants in Europe

Dr Marc Stammbach, Director, Hitachi Zosen Inova Australia

- Overview and benefits of dry anaerobic digestion of organics, including markets for outputs
- Walkthrough the Jönköping 40,000 tpa Dry AD plant, Sweden
- Walkthrough the Anröchte 15,000 tpa Dry AD plant, Germany
- Using compressed biomethane for fueling green vehicles and for electricity production
- Meeting daily peak grid power market demand with interim biogas storage and two different-sized cogeneration units

1150 Comments, Questions and Discussion

1200 Webinar Close