

## *The production and use as biofertiliser of digestate derived from source segregated organic waste*

2 December 2020 | 11:15 to 16:50 - NZDT  
06:15 - AWST) | 07:45 - ACST | 08:45 - ACDT | 9:15 – AEDT  
Virtual participation via GoToWebinar

Anaerobic digestion of source segregated residual organic waste is gaining substantial interest around the world due to its indisputable economic and socio-environmental benefits; these being the production of renewable energy and fertiliser, reduction of the amount of waste disposed at landfills and the reduction of greenhouse gas emissions.

Anaerobic digestion converts organic material into three beneficial products, i.e. biogas, digestate and sustainable waste management.

If digestate is derived from appropriate source segregated feedstocks and processed under continuously controlled conditions it can be sold as a high quality fertiliser called biofertiliser.

The Bioenergy Association has been developing a Technical Guide based on the UK BSI PAS110 which sets out an approach which leads to production and sale of certified biofertiliser. This Technical Guide (TG8) takes the best of PAS 110 and puts it into a New Zealand context. The ultimate goal is to provide incentives for further investment in anaerobic digestion applications for processing of source-segregated organic waste in New Zealand, Australia and the South Pacific, by improving the awareness of the monetary, social and environmental benefits this technology offers for the treatment of organic waste.

**If you are considering processing source separated organic waste into a biofertiliser, or are a regulator, you should participate in the workshop to assist establish a best practice guide for New Zealand and Australia.**

As an outcome of the workshop Bioenergy Association will finalise and publish the Technical Guide.

**Guest international speaker – Nina Sweet, WRAP UK**  
Nina will talk about the UK experience of producing certified biofertiliser from food waste.

### Partner:



### Sponsors:



### Keynote Speaker:



**David Collins**

David will talk about the establishment of the UK Biofertiliser Certification Scheme.

A Waste Minimisation Fund project

## Virtual Conference Programme 2 December 2020

**11.15 – 11.25 NZDT**      **Introduction and welcome**  
 Brian Cox, Bioenergy Association EO  
 Shahana McKenzie Bioenergy Australia CEO

### European experience of processing organic waste into biofertiliser

**11.25 -11.55**      **INTERNATIONAL KEYNOTE SPEAKER**  
**The UK experience of processing organic waste into biofertilisers**  
 Nina Sweet, WRAP UK

**11.55 – 12.25**      **INTERNATIONAL KEYNOTE SPEAKER**  
**BSI PAS110 and the UK Biofertiliser Certification Scheme**  
 David Collins, UK Biofertiliser Certification Scheme

**12.25 – 12.55**      **INTERNATIONAL KEYNOTE SPEAKER**  
**True circular economy: How food waste and digestate play an important part in the Danish biogas sector**  
 Claus Mortensen, Innovation Manager in Food & Bio Cluster, Denmark

**12.55 – 13.10**      **Break**

### Opportunities for processing organic waste into biofertiliser

**13.10 – 13.30**      **The potential for source segregated residual organic wastes in New Zealand**  
 Andrew Fisher, Ecostock

### Digestate from anaerobic digestion

**13.30 – 13.50**      **Anaerobic digestion 101**  
 Alistair Broughton, BPO

**13.50 - 14.10**      **Pathogens and pasteurisation of digestate**  
 Alexander Vogelsang, Aquatec Maxcon

**14.10 – 14.30**      **Digestate as a fertiliser – improved carbon and nutrient cycle**  
 Jurgen Thiele, Conhur

**14.30 – 14.45**      **Break**

### NZ regulations and guidance

**14.45 – 15.05**      **Revision of the NZ Biosolids Guidelines**  
 Rob Tinholt, Project Manager, Water NZ

**15.05 – 15.25**      **Proposed guidance on the production and use as biofertiliser of digestate derived from source segregated organic waste**  
 Alzbeta Bouskova, Bioenergy Association

**15.25 – 15.40****Break**

### Australian Regulations and guidance

**15.40 – 16.00****Regulations and guidance on the use of digestate as a biofertiliser in Australia**

Tiana Nairn, Policy Group Manager, LMS Energy

### Forum

**16.00 – 16.45****Forum: discussion on proposed guidance or the need for a formal Standard****16.45 – 16.50****Conference wrap up**

### Book your place at this workshop:

Registration Form at: [www.biogas.org.nz/event/production-and-use-of-biofertiliser-workshop](http://www.biogas.org.nz/event/production-and-use-of-biofertiliser-workshop)

### Background information

- Draft [Technical Guide 8 - The Production and Use as Biofertiliser Of Digestate Derived From Source Segregated Organic Waste](#)
- [www.biogas.org.nz/resource/PAS110-digestate-standard](http://www.biogas.org.nz/resource/PAS110-digestate-standard)
- [Anaerobic Digestate Quality Protocol](#)
- [Biofertiliser Certification Scheme](#)
- Nina Sweet previous presentation
  - [Organic waste treatment- a story from the UK](#)
  - [audio recording](#)

**Continuing Professional Development (CPD):** - The Bioenergy Association supports members by providing opportunities such as this workshop that contribute towards CPD credits and maintaining registration as a Registered Biogas Adviser. Contact the executive officer for more details at [executive@bioenergy.org.nz](mailto:executive@bioenergy.org.nz)