

Sustainable Energy Authority of Ireland

International Energy Agency (IEA) Bioenergy Task 37 "Energy from Biogas"

SYMPOSIUM & WORKSHOP

Anaerobic Digestion in the Circular Economy



Please register by Friday 24 August

[Click here to register](#)

Prof Jerry D. Murphy Invites

The International Energy Agency Bioenergy Task "Energy from Biogas" will present their recently published reports in a symposium in UCC on September 6th. International experts will present on topics such as: Integrated biogas systems; Anaerobic digestion in the circular economy; Food Waste Digestion Systems; Fugitive Methane Emissions from Biogas Facilities; Greening the Gas Grid. The symposium will include for a workshop on applications of green gas to Ireland as exemplified by the Gas Networks Ireland Causeway Project.

Location

Western Gateway
Building, UCC, Ireland

Date

Thursday, 6th
September 2018

Time

09:30 - 17:00

Sustainable Energy Authority of Ireland

International Energy Agency (IEA) Bioenergy Task 37 "Energy from Biogas"

Symposium & Workshop Agenda

Anaerobic Digestion in the Circular Economy

Location: Western Gateway Building, University College Cork, Ireland

Date: Thursday 6 September 2018



Please register by Friday 24 August

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09:30

Registration

09:50

Welcome to UCC from Brian Ó Gallachóir,
Chair of Energy Engineering, UCC, Chair of
IEA ETSAP, Director of MaREI Centre

09:55

Welcome from Jim Gannon, Director of SEAI

Anaerobic Digestion in the Circular Economy

Session 1: Anaerobic digestion in the circular economy

Chair of Session	Matthew Clancy, Sustainable Energy Authority of Ireland (SEAI) and Operating Agent Task IEA Bioenergy Task 37
10:00 - 10:05	Introduction from Chair
10:05 - 10:15	Introduction to IEA Bioenergy Task 37, Jerry Murphy, Director SFI MaREI Centre/ Chair of Civil Engineering & IEA Bioenergy Leader Task 37
10:15 - 10:30	Local applications of anaerobic digestion towards integrated sustainable solutions, Bernadette McCabe, University of Southern, Queensland
10:30 - 10:45	The role of anaerobic digestion in the circular economy, Anton Fagerström, Energiforsk, Sweden
10:45 - 11:00	The biggest renewable energy generator in the world combining micro-grid with biogas and solar to foster sustainable development Jorge Callado, Itaipu Technology Park (PIT) Director, Brazil
11:00 - 11:15	Coffee / Group Photo 

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Session 2: Technical aspects of biogas systems

Chair of Session	Phil Hemmingway, Sustainable Energy Authority of Ireland (SEAI)
11:15 - 11:20	Introduction from Chair
11:20 - 11:35	Food Waste Digestion Systems Charles Banks, University of Southampton
11:35 - 11:50	Application of BMP Assays Günther Bochmann, IFA-Tulln BOKU - University of Natural Resources and Life Science, Vienna Institute for Environmental Biotechnology
11:50 - 12:05	Fugitive Methane Emissions from Biogas Facilities Jan Liebetrau, Head of Department for Biochemical Conversion and Head of Work group for Process Biology at Deutsches Biomasse Forschungs Zentrum gemeinnützige Gmb (DBFZ)
12:05 - 12:35	Flash presentations on Renewable Gas Research
12:35 - 13:00	Panel discussion led by John Muldowney, Department of Agriculture, Food and Marine (DAFM)
13:00 - 14:00	Lunch 

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Session 3: Policy aspects of greening the gas grid | The Causeway Project

Chair of Session	Kevin Brady Department of Communications, Climate Action and Environment (DCCA)
14:00 - 14:05	Introduction from Chair
14:05 - 14:15	Greening the Gas Grid David Wall, MaREI Centre, UCC
14:15 - 14:30	The Dutch Experience of Greening the Gas Grid Mathieu Dumont, Senior Consultant Netherlands Enterprise Agency (RVO.nl)
14:30 - 14:45	The Irish plan for a Green Gas Industry Ian Kilgallon, Innovation & Business Development Manager, Gas Networks Ireland
14:45 - 15:15	Q&A on Green Gas Grid led by Brian Ó Gallachóir, Chair of Energy Engineering, UCC, Chair of IEA ETSAP, Director of MaREI Centre

Questions:

- 1) What role will the Renewable Gas industry have in the future energy mix (out to 2050)
- 2) What penetration of Renewable Gas do you envision?
- 3) Where do you see Renewable Gas playing the most significant role?
- 4) What role will Guarantees of Origin play in supporting Renewable Gas?

15:15 - 15:30

Coffee



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Session 4: Technical aspects of greening the gas grid | The Causeway Project

15:30 - 17:00

Q&A on Technical Aspects of Green Gas Grid
led by Gas Networks Ireland

Questions:

- 1) How best to manage network congestion associated with injection of Biomethane?
- 2) How important is the harmonisation of Gas Quality Standards across Europe?
- 3) Which approaches are most effective in ensuring gas quality meets the gas entry specification?
- 4) What is the best approach to manage lower calorific values?

17:00

Close

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