

ENERGY CORK

ENERGY AND THE CIRCULAR ECONOMY

24TH – 26TH
MARCH 2021
ONLINE CONFERENCE

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ENERGY AND THE CIRCULAR ECONOMY

24TH – 26TH MARCH 2021

<https://energycirculareconomy.eventbrite.ie>

WEDNESDAY 24TH MARCH 11:30 - 13:00

TURNING WASTE TO ENERGY

Moderator: Jerry Murphy (Professor of Civil Engineering at UCC and Director of MaREI)

Enda Buckley - Director of Sustainability, Carbery Group

Conor Jones - Regional Engineering Director, Indaver

Niamh Callanan - Business Development, Irving Oil

Niamh Gillen - Innovation Engineer, Gas Networks Ireland

THURSDAY 25TH MARCH 11:30 - 13:00

THE CIRCULAR ECONOMY IN PRACTICE - BUILDINGS, TRANSPORT AND HEAT

Moderator: Val Cummins (Director, Simply Blue Energy Kinsale Ltd)

Donna Gartland - Chief Executive Officer, CODEMA

Niall Crosson - Group Technical Manager, Ecological Building Systems

Mario Pagliaro - Research Director, Italian Research Council (CNR)

Ciaran Gallagher - General Manager - Smart Energy Services, ESB

FRIDAY 26TH MARCH 11:30 - 13:00

THE CIRCULAR ENERGY ECONOMY & THE JUST TRANSITION

Moderator: Tara Shine (Director, Change by Degrees)

Brian Leddin TD (Chair of Oireachtas Joint Committee on Climate Action, Green Party)

John Reilly (Head of Renewable Energy, Bord Na Móna)

Georgina Foley (Director of Business Development, Green Rebel Marine)

Elisabeth O'Brien (Senior Project Officer, Limerick Institute of Technology)

Prof Jerry Murphy University College Cork

Prof Murphy serves as the Director of the SFI funded MaREI centre for energy, climate and marine, as Professor Chair of Civil Engineering at UCC and as Leader of the Biogas Task at International Energy Agency (IEA) Bioenergy. He has authored and edited numerous IEA Bioenergy reports. He serves on the advisory board of a number international organisations including DBFZ (German Bioenergy Research Centre). He has authored over 160 peer review journal papers and is listed in the top 2% of cited academics world-wide

Enda Buckley Carbery Group

Enda Buckley is Director of Sustainability with Carbery Group. He has over 16 years' experience in the sustainability scene. Over the past six years he has worked with the Carbery Group on a series of sustainability initiatives and projects such as Farm Zero C, the Carbery trees project and the Biorefinery Glas (grass Biorefinery) project. Prior to his time at Carbery, Enda worked in his own consultancy - Sustainable Solutions, tutored at DCU, worked as the Sustainable Transport Policy Officer for the Irish Environmental Network (IEN) and was Sustainability Director at the National Newspapers of Ireland (NNI). Enda is a science graduate of NUI Galway with a HDip in Applied Science Microbiology and also holds an MSc in the Management of Sustainable Development through Dublin City University (DCU).

Conor Jones Indaver Ireland

Conor graduated from University College Dublin in 1996 with a Degree in Chemical Engineering and joined Indaver in 1999. Conor has over 20 years experience in the development of Waste to Energy plants in Ireland and UK and was actively involved in the development of the Carranstown Waste to Energy facility in Co Meath. Conor is currently working on the construction two Waste to Energy Projects in the UK with Indaver and is also exploring how to best utilise energy generated from these plants with a particular focus on hydrogen production and district heating networks.

Niamh Callanan Irving Oil

Niamh is working in the area of Strategic Development within Irving Oil, based in Whitegate Refinery, Cork. She has over 20 years experience in the oil industry and has held a number of varying roles, process optimisation, process plant design and commissioning, project management and capital planning. Her current area of focus is Sustainable Energy, concentrating on decarbonisation options within the refining sector. Her remit covers areas such as renewable fuel production from waste, green hydrogen production and Carbon Capture Utilisation and Storage. She holds a Bachelor's Degree in Chemical Engineering from University College Dublin.

Niamh Gillen Gas Networks Ireland

Niamh is an Innovation Engineer at Gas Networks Ireland. She holds a degree in Geology and Petroleum Geology and is currently undertaking a MSc in Project Management in UCC. Niamh's experience has been primarily in the area of assessing CCS and biomethane, as decarbonisation technologies for the gas network. Niamh's current work is continuing to develop the business case for biomethane, from agricultural sources, in Ireland.

Val Cummins Simply Blue Energy Kinsale Ltd

Val Cummins is a member of the executive leadership team in Simply Blue Group. She is responsible for the Emerald floating wind project, as managing director of the Joint venture partnership with Shell. She has a distinguished track record in the development of marine renewables during her tenure in University College Cork. Val is an Eisenhower Fellow, and has participated in Women in Leadership executive training at Harvard University.

Donna Gartland CODEMA

Donna is CEO at Codema - Dublin's Energy Agency and CEO and co-founder of the Irish District Energy Association (IrDEA). She holds a BEng in Energy and Environmental Engineering and an MSc in Sustainable Energy Planning and Management. Donna has been working to develop the district heating sector in Ireland for the past 7 years, looking at solutions to overcome the current knowledge, legal, regulatory, policy and financial barriers. She is working with the local authorities in Dublin to develop the first large scale DH schemes in Ireland, namely the Tallaght District Heating Scheme and the Dublin Docklands District Heating project. She is on the DCCAE District Heating Steering Group and the steering committee of Renewable Energy Ireland.

Niall Crosson Ecological Building Systems

Niall is Group Technical Manager with Ecological Building Systems. He holds a degree as a Bachelor of Technology and a Masters Eng. Sc. He is also a Certified Passivhaus Consultant and board member of Irish Green Building Council. Niall has provided guidance on several national standard committees and provides input to several working groups with the UK Centre for Moisture in Buildings. Over 18 years, his expertise is in the area of building physics, energy conservation, hygrothermal analysis, airtightness, natural insulation, and breathable constructions.

Mario Pagliaro Italy's Research Council

Research Director at Consiglio Nazionale delle Ricerche - Italy's Research Council, Mario Pagliaro is a chemistry and energy scholar based in Palermo, Italy, where he leads a research group focusing on nanochemistry, solar energy and the bioeconomy. He ranks in the top 2% World Ranking list of Scientists in all fields of science and is amongst Italy's most cited scientists in nanotechnology, materials and organic chemistry. www.qualitas1998.net/pagliaro

Ciaran Gallagher ESB

Ciaran is General Manager, Smart Energy Services at ESB, an experienced engineer and commercial manager who leads a team of energy engineers who design, lead and deliver decarbonisation projects for large energy users. Ciaran has experience working in many senior roles in the energy sector covering power station management, asset sales, energy project development and delivery. Ciaran's goal is to help Ireland meet its environmental targets by working with large energy users to decarbonise their energy usage.

Dr Tara Shine Change by Degrees

Dr Shine is co-founder and Director of Change by Degrees, an award winning business that advises organisations on sustainability strategy and reporting, employee engagement and sustainability communications. Before setting up Change by Degrees in 2018, she spent 20 years as an international climate change negotiator and adviser to governments and world leaders on environment and development policy. She was Special Adviser to the Mary Robinson Foundation-Climate Justice and Climate Adviser to The Elders. In 2020 Tara was appointed as co-facilitator of the Structured Expert Dialogue of the Second Periodic Review under the United Nations Framework Convention on Climate Change (UNFCCC). Dr Shine is author of 'How to Save Your Planet One Object At A Time' published in April 2020 by Simon and Schuster. She is a science communicator and TV presenter and presented the 2020 Royal Institution Christmas Lectures.

Brian Leddin TD Chair of the Oireachtas Joint Committee on Climate Action

Brian is a member of the Green Party and TD for Limerick City. He is the Chair of the Oireachtas Joint Committee on Climate Action. He is an engineering graduate of the University of Limerick and also holds an MSc in Renewable Energy from Loughborough University. Brian previously worked as a mechanical engineer in Limerick.

Dr. John Reilly Bord na Móna

John is a member of Bord na Móna's Senior Leadership team with specific responsibility for the operation and continued development of Bord na Móna's expanding generation portfolio in the Irish electricity market. His team is currently leading a €1.6bn investment programme which will see the company add at least 1GW of new renewable assets to its fleet by 2030. John has over 20 years' experience in the energy sector and was previously part of the Senior Management team at Edenderry Power, prior to its acquisition by Bord na Móna. He has worked for a number of major international utility players in the sector, such as the German utility E.ON and Fortum, a Finnish utility company. John, who is currently on the Board of the Electricity Association of Ireland, also sits on a number of policy committees across the energy sector and holds a PhD in Chemistry from UCD.

Georgina Foley BSc, MBA Green Rebel Marine

As Business Development Director with Green Rebel Marine, Georgina is helping to deliver Ireland's green energy targets and avail of the opportunity to become a major exporter of green energy. A strong advocate of Ireland's blue economy, Georgina has been a key driver in the development of Offshore Renewable Energy. She worked closely with Irish and international developers through her role as Business Development and Operations Manager of Lir National Ocean Test Facility. Her leadership generated the opportunity for the first European Research Infrastructure Consortium for Ireland in offshore renewable energy. Georgina has been developing business between local industries based in France and Ireland and international markets for over 20 years. Her roles all required a great understanding of the possible synergies between local talent and global needs. She has achieved significant results in the pharmaceutical, food and renewable energy sectors, and has built strong political and commercial relationships throughout.

Elisabeth O'Brien Limerick Institute of Technology

Elisabeth O'Brien is a Chartered Architect (RIAI) and Sustainable Energy Engineer, previously managing an architectural practice for 17 years by specialising in the design and construction of sustainable retrofitting and new builds. As the Senior Project Officer within Development Unit and the Centre for Energy Efficiency and Deep Decarbonisation [CEEDD] at Limerick Institute of Technology, she coordinates and manages training and building capacity tasks for a number of EU projects (<https://lit.ie/rdi/development/energy>). She has extensive experience in sustainable energy efficient design and project management within the construction sector and has a wealth of knowledge on renewables, energy auditing, sustainable techniques and technologies. She carries out various energy efficient Train the Trainer and e-Training courses, as well as presenting at various Energy and Sustainability forums in Ireland and across Europe.



Energy Cork is an industry-driven cluster pursuing coordinated actions to strengthen enterprise and employment within the energy sector in the Cork region.

Supported by Cork City Council and Cork County Council through their respective Economic Development Funds, Energy Cork was conceived by Cork Chamber with a view to building on the unique opportunities for the region to secure competitive advantage in the energy sector.

The vision of the Energy Cork cluster is

- To be a recognised and influential focal point for the energy sector in the Cork Region
- To help consolidate and raise awareness of Cork’s position at the forefront of economic, commercial, research and educational activity in the energy sector in Ireland and to actively contribute to economic growth and job creation in Cork. This vision will be achieved by building upon the extensive natural resources, physical infrastructure, human capital and tradition of innovation in the Cork Region.

Are you interested in joining Energy Cork?

Play an active role in contributing to job creation and economic development in the energy sector in Cork.

Help to build the profile and identity of the energy sector in Cork and ensure recognition for its important role in the national economy.

Influence local, regional and national policy in the energy sector via a strong, effective voice.

Benefit from participating in networking, business development and training events organised by Energy Cork.

Grow your organisation’s profile amongst Cork’s key energy professionals.

Keep informed of current commercial, research and educational activities and opportunities in the energy sector in Cork.

More information on membership at www.energycork.ie

Energy Cork Members:

- AIB
- Amarenco Solar
- Arup
- Ayrton Group
- Ballinbeg Engineering Services Ltd
- Blue Power Energy Ltd
- Bridge & York Capital Partners
- Brookfield Renewable Ireland
- Bus Eireann
- C. A. Energy Ltd
- Coakley O’Neill Town Planning Ltd
- Collins Building & Steeplejack Services
- Construction Industry Federation
- Cork Chamber
- Cork City Council
- Cork County Council
- CorkBIC
- Cunnane Stratton Reynolds
- Doyle Shipping Group
- eirQual Ltd
- Elite Energy Engineering
- Energy Services Ltd
- EPS Group
- Ernst & Young
- Ervia
- ESB Power Generation
- Fehily Timoney & Co
- Fingleton White
- Fitzgerald Legal & Advisory
- Flogas Ireland Ltd

- Gaeltech
- Gas Networks Ireland
- Glasteq
- I.Q. Wind Ltd
- IERC
- Indaver Ireland
- Inver Energy Ltd
- Irish Mainport Holdings Ltd
- Irving Oil
- Jacobs Engineering
- JOSPA Ltd
- Karyon Biotech Ireland Ltd
- Kinsale Energy Ltd
- KPMG
- Lansdowne Oil & Gas
- McCullagh Wall Solicitors
- McCutcheon Halley Walsh
- Meridiem Renewables
- MTU
- Munster Joinery Group
- Murphy Surveys Ltd
- Naturgy
- NCE Insulation
- NIMBUS Centre
- OCON Chemicals Ltd
- O’Flynn Exhams
- PJ O’Driscoll & Sons
- PM Group
- Port of Cork
- Providence Resources plc

- Punch Consulting Engineers
- PwC Cork Advisory
- QCF Corporate Finance
- Remote HVAC
- Retrofit Energy Ireland
- Rexel t/a Kelliher’s Electrical
- Sandymount Resources
- Schneider Electric
- SE Systems
- Sea Box Energy
- ServusNet Informatics
- Simply Blue Energy
- Sirus Group
- Solo Energy
- Statkraft Ireland Limited
- Stephenson Halliday Ireland
- SunSource Energy & Co Ltd
- Survey & Design Services Ltd
- SWECO
- Temporis Ltd
- TLI Group
- Total Green Energy
- UCC
- UTRC Ireland
- Vento Ludens Ltd
- Waterpower.ie
- Willis Risk Services (Ireland) Ltd
- XD Sustainable Energy Consulting

