

OFFSHORE WIND FORUM

Thursday 8th November 2018
Arklow Bay Hotel, Arklow
Co. Wicklow



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AGENDA

8.30	Registration and refreshments
9.00	Welcome and Introduction - Dr. David Connolly, CEO, IWEA
9.20	Ireland's Oceans of Opportunity - Stephen Wheeler, Managing Director, SSE Ireland

SESSION 1 CURRENT IRISH CONTEXT - Chair - Ainsley Heffernan, Partner, Beauchamps

9.45	Arklow Bank: Ireland's Existing Offshore Wind Farm Anne-Marie Coyle, Global Account Manager, GE Renewable Energy
10.00	Integrated Forward Planning for Ireland's Marine Area – Developing the National Marine Planning Framework (NMPF) Philip Nugent, Principal Officer, Marine Spatial Planning, Department of Housing, Planning and Local Government
10.15	Exploring the Irish seabed – Latest iCRAG research Paul Doherty, Managing Director, Gavin & Doherty Geosolutions
10.30	Integrating Offshore Wind into the Grid – A System Operators Perspective Noel Cuniffe, Renewable Integration Lead, EirGrid
10.45	Q&A
11.00	Tea & Coffee

SESSION 2 OPPORTUNITIES FOR IRELAND - Mike Hayes, Head of Renewables, KPMG

11.30	Lessons from the UK: Delivering Value for the Local Supply Chain Alex Meredith, Offshore Investment Manager, innogy Renewables Ireland
11.45	Offshore Wind Energy Research at MaREI Dr. Cian Desmond, Research Fellow, MaREI
12.00	Peter Lefroy, Project Director, innogy Renewables Ireland Murdo McGhie, Director of Special Projects, SSE plc Dave McNamara, Renewable Manager, ESB Dr. Edel O'Connor, Business Development Manager, Irish Maritime Development Office Liam Curran, Senior Technologist, Enterprise Ireland
13.00	Summary of key takeaways - Paddy Teahon, NOW Ireland
13.15	Lunch and networking

THE SPEAKERS



Dr. David Connolly is CEO of the Irish Wind Energy Association (IWEA) which is Ireland's largest renewable energy association. IWEA works with a wide range of internal and external stakeholders to build understanding and awareness of the benefits of Irish wind and renewable energy, and to ensure that Irish wind energy continues to provide clean, cost effective electricity to communities, businesses, factories and homes across Ireland. Previously, David was an Associate Professor in Energy Planning at Aalborg University in Copenhagen where his research focused on the design and assessment of 100% renewable energy systems for electricity, heat, and transport. He graduated as a Mechanical Engineer in 2007 and completed a PhD in energy modelling in 2011, both at the University of Limerick. More information is available on his website: www.dconnolly.net



Stephen Wheeler is Managing Director of Ireland's second-largest energy utility SSE Ireland, part of the FTSE-listed SSE plc. Stephen has responsibility for overall strategy, commercial performance and business development for SSE's business in Ireland. Prior to this, Stephen was Managing Director of SSE's retail brand SSE Airtricity and previously General Manager for Ireland of SSE Renewables with responsibility for SSE's development and construction activities. Stephen came to SSE with significant international experience after working with ABB and Siemens, specialising in the development and construction of thermal power generation projects. A graduate of electrical engineering from University College Dublin with an MBA from the UCD Michael Smurfit Graduate Business School, Stephen is also a past Chairman of the Irish Wind Energy Association (IWEA).



Ainsley Heffernan is a partner and head of the award winning Energy & Natural Resources Group at Beauchamps Solicitors. He has over fifteen years' experience advising clients in the Irish energy sector. Ainsley and his team have extensive experience representing clients involved in wind farm projects, both on-shore and off-shore. The Beauchamps Energy Team recently advised innogy Renewables on its acquisition of a 50% stake in the proposed 600MW Dublin Array Offshore Wind Farm. Ainsley is an active member of the IWEA Offshore Wind Committee and is recommended in several international publications and legal directories for his work in the energy sector.



Anne-Marie Coyle has spent the last 20 years of her career actively engaged across on and offshore wind development, construction and operation. Anne-Marie began her career at E.ON where she delivered the first offshore wind Section 36 consent for Scroby Sands in addition to early site identification, lease bidding and development aspects for a range of offshore wind projects in the UK. Following her time at E.ON, Anne-Marie joined GE's global developments team originating and managing European developer relationships across various energy technologies. Upon arrival at GE, Anne-Marie was also lucky enough to be involved in the launch and early operations of the Arklow offshore wind farm. Following 7 years in GE Renewable Energy equipment sales, Anne-Marie is currently leading commercial engagement for UK & Irish projects as GE launches the world's largest wind turbine.



Philip Nugent is head of the Marine Spatial Planning Section in the Department of Housing, Planning and Local Government. He leads the team that is responsible for all aspects of delivering Ireland's marine plan including preparation of the Baseline Report, work on the draft plans and running the extensive public engagement and consultation processes. Philip has worked in various roles across the Department, including in housing, waste, environment and terrestrial planning.



Paul Doherty is the Managing Director of "Gavin and Doherty Geosolutions" - an engineering consultancy based in Dublin specializing in offshore wind. He is a chartered engineer, a graduate of UCD civil engineering and holds a PhD in offshore geotechnics. Paul has spent the last decade working on offshore wind projects around Europe. He also has a track record in research with over 50 technical publications related to offshore engineering.



Noel Cunniffe is the Renewable Integration Lead in the Operations, Planning and Innovation department at EirGrid, the Transmission System Operator of Ireland. He is responsible for leading aspects of EirGrid's Delivering a Secure Sustainable Power System (DS3) Programme and the Horizon 2020 funded EU-SysFlex project. He previously led the development of EirGrid's Tomorrows Energy Scenarios 2017. He has several years' experience in various operational and system planning roles in EirGrid, and has also worked in the Single Electricity Market Operator (SEMO).



Mike Hayes is a Partner in KPMG Ireland and he is the Global Leader for Renewable Energy within KPMG. For the past 20 years, Mike has been actively involved in renewable energy and has been involved in various ground breaking transactions across all continents for clients in Ireland and globally. Over the years, Mike has worked on some of the very early onshore and offshore wind projects in the British Isles and has also been actively involved with many Irish headquartered companies who developed projects in the US market. He is also an advisor to various global investment funds who are primarily focused on renewable investments. Also, Mike is leading a KPMG team who is interacting with the World Economic Forum and Mission Innovation on the question of accelerating sustainable energy innovation.



Alex Meredith is innogy's Offshore Investment Manager and Development Lead for Ireland. Alex led the innogy team on the Dublin Array investment which completed in early 2018 and has been managing the Dublin Array project for the past six months. Alex has worked on offshore wind projects in development and construction in the UK, with a particular focus on Triton Knoll and Galloper where he leads the transaction team managing the disposal of the electrical system (OFTO). Before joining the Investment Management team at innogy Alex worked as a lawyer specialising in clean tech and renewable energy corporate transactions.



Dr. Cian Desmond is a Research Fellow in the SFI Funded MaREI Centre. His research is related to wind energy with a particular focus on floating offshore wind turbines, coupled aero-hydro physical testing, community engagement and modelling of the atmospheric boundary layer. He represents UCC and MaREI wind energy research on the board of the European Academy of Wind Energy (EAWE) and the European Energy Research Alliance Joint Program in Wind Energy. He is the Chair of WESC 2019, a major Wind Energy Science Conference which will be hosted by UCC in June 2019.



Peter Lefroy is Project Director within innogy Renewables which has a global footprint in renewable energy and is a market leader in the offshore sector having developed and operated offshore wind assets since 2004. Peter is leading the development of the Dublin Array project, a c. 600MW project on the east coast of Ireland. He has extensive experience in the energy industry in Ireland having worked in both engineering consultancy and project development and construction. Peter holds a degree in Mechanical Engineering from University of Limerick and an MBA from Trinity College Dublin. Peter is chair of the IWEA Offshore Wind Committee.



Murdo McGhie has over 20 years' experience working in renewables within SSE. He began his career as a civil engineer in the hydro fleet in the north of Scotland, before moving on to develop and design new small hydro projects on the west coast. He moved into the wind sector in 2007, becoming Director of Onshore Renewables in 2014. Since 2016 he has taken a wider business development role looking at new technologies and markets and has recently led SSE's entry into the Irish offshore wind market, initially focusing on the Arklow Bank project on the east coast and latterly exploring potential further offshore wind development opportunities in Ireland.



Dr. Edel O'Connor is the business development manager for the Irish Maritime Development Office at the Marine Institute. In recent years, Edel has led the strategic development of the national marine technology programme and SmartOcean initiative to 'marinise' Ireland's strengths across ICT and engineering into new areas of the blue economy. In this role, Edel has led the development of international partnerships across research and industry, supporting the growth of Ireland's reputation as a compelling place to do business in this sector. Edel has also been closely involved with the strategic development of actions associated with Ireland's Integrated Marine Plan -Harnessing Our Ocean Wealth, and in particular led a number of highly successful events promoting Ireland's digital ocean opportunity.



Liam Curran is a Senior Technologist with Enterprise Ireland covering the areas of Water/Wastewater and Marine technologies. He has 30 years of experience in the Marine sector and is working with EI and other agency colleagues to drive the development of the Marine sector (including the Offshore Wind Industry) in Ireland. He helped to establish the Irish Marine Industry Network (IMIN) in 2017 and is currently working with the IMIN Steering Group to target key areas for engagement in 2019 – one of these areas will be the Offshore Wind Industry.



Paddy Teahon is currently Director of strategy for the Energy Institute at UCD. Paddy previously worked in the Irish Civil Service, having served as Head of the Department of the Taoiseach (Prime Minister) from 1993-2000. He is Chairman of the National Offshore Wind Association having previously been Hon. President of the Irish Wind Energy Association.