

Research Opportunities for the Wind Energy Sector

Dave Linehan, Head of Research
Wind Value, May 2022



www.windenergyireland.com





Research Strategy 2022-2025

- Wind Energy Ireland (WEI) is Ireland's largest renewable energy organisation with 170 members who have come together to plan, build, operate, and support the development of wind energy and other green, clean and sustainable technologies.
- We play a leading role in the areas of policy development, media and communications, training and skills development, event and conference organisation, and energy and climate research.
- We represent companies with development plans and operations in Ireland and further afield, and work closely with our members, other renewable energy associations and international partners to collaborate on research projects, both at national and EU level.
- WEI's Research Strategy for 2022-2025 articulates the key role we believe research collaboration between academia and industry will play in helping to deliver decarbonization goals.
- WEI's vision statement aims 'to realize the potential presented by research, to support the ambition of a zero-carbon society'.
- <https://windenergyireland.com/policy/research-strategy>

Our Network of Industry Stakeholders



Representing all aspects of onshore and offshore wind and other clean, green technologies.

- Wind farm developers
- Turbine manufacturers
- Construction companies
- Planning consultancies
- Supply companies
- Accountants
- Insurance
- Consultancy
- Legal firms
- Banks
- Small local businesses



WEI's Research Strategy

- ✓ Policy development: Doubling down on our influential role to date, continuing to deliver evidence-building, policy-priming research to address important climate goals for society.
- ✓ Partnerships: Rooted in the co-production of energy research, supporting essential studies, collaborating in proposals and projects, and generating research funding to deliver on plans.
- ✓ Education and engagement: Focusing on the dissemination of research, using education and communication tools to steer positive sentiment towards renewables for a zero-carbon society.
- ✓ Industry supports: Encouraging the application of research to deliver new technologies in industry, while also working with academia to fulfil skills needs and talent development in our sector.

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Wind Energy Ireland has developed this new research strategy to articulate the pivotal role we believe research is going to play in helping to deliver on our decarbonisation targets, and to outline how WEI can best contribute to the research eco-system over the coming years. Research is going to be a key enabler for shaping the transition to a sustainable economy. In this regard, WEI has the capability and ambition to make a significant contribution. Our research strategy addresses a number of emerging themes.

- Dave Linehan, Head of Research

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Policy Research from WEI

WEI has a track record in publishing game changing industry research, regularly undertaking studies with our partners to support policy development.

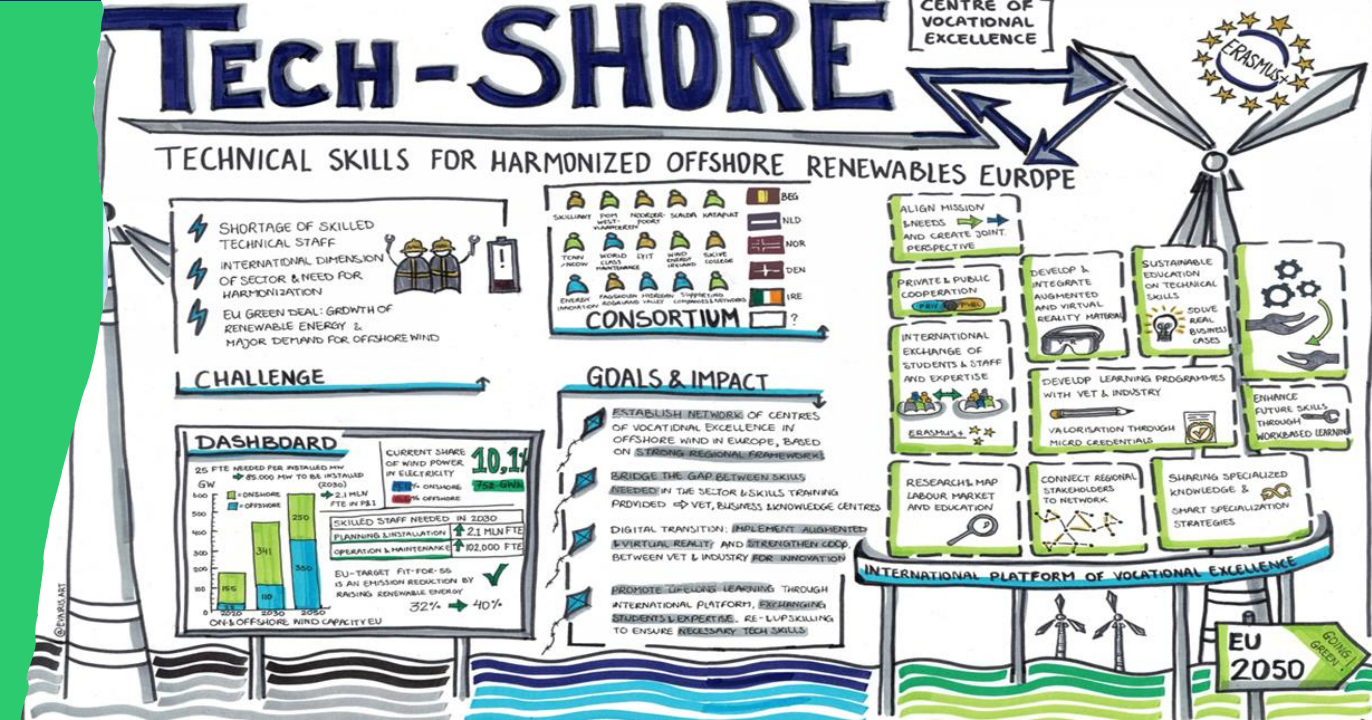
- Our 70 by 30 report with Baringa Partners was a pivotal publication which set out ways to deliver Ireland's national Climate Action Plan in 2019.
- The Harnessing Our Potential study with the Carbon Trust outlined how offshore wind has the potential to create 2,500 jobs over the next ten years through developing our supply chain.
- Our research with MaREI in Our Climate Neutral Future: Zero by 50 showed how Ireland can achieve a net-zero energy system by 2050.
- And in Endgame: A zero-carbon electricity plan with Baringa Partners we set out a pathway for a zero-emissions Irish electricity grid by 2035.



Recent Research Activity

Europe's and Ireland's ambitions for a zero-carbon and climate-resilient economy bring significant opportunities to the research community. WEI is actively seeking partners for funded collaborations.

- We are a partner of the ERASMUS+ THSORE project, leading tasks on dissemination and communication. TSHORE will be establishing centres of excellence in offshore wind across Europe over the next 4 years.
- In April we held our inaugural research poster event, which took place at the WEI conference.
- We recently submitted three proposals to the SEAI RD&D programme for 2022, across environmental, hydrogen and grid analysis/system integration.
- We are currently exploring opportunities for the upcoming INTERREG, HORIZON, LIFE, ERASMUS+ and other funding programs launching in 2022.



WIND ENERGY IRELAND

Research Partner

GDG
VIN & DOHERTY
GEOSOLUTIONS

Research Poster Room
13th & 14th April

WEI and GDG are delighted to invite you to our Research Poster Room being held in the Exhibitors Hall over the two days of the conference. Meet the Masters and PhD students as they showcase their work to deliver on the step change needed to move us towards a zero-carbon power sector and zero-carbon economy.



Contact Us Today

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