

## Horizon 2020 Marie Skłodowska-Curie Actions

### Individual Fellowships Call – Expression of Interest

<b>Organisation Details</b>	<i>Organisation Name:</i> Centre for Marine and Renewable Energy Ireland (MaREI) <i>Website</i>		
<b>Organisation Type</b>	<input checked="" type="checkbox"/> Academic <input type="checkbox"/> Large Enterprise <input type="checkbox"/> SME <input checked="" type="checkbox"/> Public Research Organisation	<input type="checkbox"/> Public Body <input type="checkbox"/> NGO <input type="checkbox"/> Non-Profit <input type="checkbox"/> Other ( <i>please specify</i> ) _____	
<b>Research Field(s)</b>	<input type="checkbox"/> Chemistry CHE <input type="checkbox"/> Social and Human Sciences SOC <input checked="" type="checkbox"/> Economic Sciences ECO <input type="checkbox"/> Information Science and Engineering ENG <input type="checkbox"/> Environment and Geosciences ENV <input type="checkbox"/> Life Sciences LIF <input type="checkbox"/> Mathematics MAT <input type="checkbox"/> Physics PHY		<b>Keywords:</b>
<b>Short Description of the Organisation and the Faculty/Dept./School/Centre</b>	<p><i>Please provide a description of the organisation and if applicable, the faculty/department/school/centre that is seeking qualified applicants.</i></p> <p>MaREI is a marine and energy-based research, development and innovation hub based in Ireland. We combine the expertise of a wide range of research groups and industry partners, with the shared mission of solving the main scientific, technical and socio-economic challenges across the marine and energy spaces. MaREI delivers tailored technological solutions to companies through the delivery of its industry-led research programme, providing innovative solutions that reduce the time to market, and reduce costs to a competitive level. MaREI is funded from a number of sources, including SFI, SEAI, EI, EPA, ERDF, EU, HEA and IRCSET, as well as through contributions from our industry partners.</p>		

	<p><b><u>Economics, Socio-economics and Business models group</u></b> conducts techno-economics modeling for ocean energy projects, examines the socio-economic impact particularly from a jobs and growth perspective, and provides business models and business plan expertise. The group is housed within MaREI, and based in UCC's Beaufort building.</p>
<b>Short Description of the Research Project/Topic</b>	<p><i>Please provide a short overview of the research area(s) that the applicant can develop a proposal in with the assistance of the organisation.</i></p> <ul style="list-style-type: none"> <li>• Techno-economic analysis of combined wind wave platforms</li> <li>- Excels</li> <li>- Using Exceedence finance tool</li> <li>- Monte Carlo probability</li> <li>• Marketing analysis of multiple use of space.</li> <li>• Risk assessment of multiple use of space.</li> </ul>
<b>Expertise required by the applicant</b>	<p><i>Please specify the research expertise that the applicant should have.</i></p> <ul style="list-style-type: none"> <li>• Engineering or economics degree</li> <li>• Research in techno-economics and business models</li> <li>• Socio-economics experience of benefit</li> </ul>
<b>Career development support offered to fellows</b>	<p><i>Please outline the supports offered for learning and development, career planning etc. offered by the organisation. Include links to relevant webpages if applicable.</i></p> <ul style="list-style-type: none"> <li>- Training on software will be provided – as required.</li> <li>- Member of an active research group – inherent</li> <li>- support from colleagues; access to wide global economic and socio-economic network.</li> <li>- Exposure to EU Projects;</li> <li>- NEWMARE</li> <li>- EASME</li> <li>- Blue Growth 4</li> <li>- Academic Publication</li> <li>- Opportunity to supervise interns and undergraduate researchers.</li> <li>- University College Cork also provides a suite of supports to post-doctorate researchers –details can be viewed at <a href="http://www.ucc.ie/en/hrresearch/">www.ucc.ie/en/hrresearch/</a> and <a href="http://www.ucc.ie/en/devhub/">www.ucc.ie/en/devhub/</a>.</li> </ul>

<b>Application procedure</b>	<p><i>Please describe what documents (e.g. CV, letter of motivation) the applicant should supply to the host. Please supply a CV and a separate letter of motivation outlining a specific area/plan of research. Please include existing training behind pursuing this research and the expectation of the candidate in terms of training required and career development.</i></p>
<b>Contact Person</b>	<p><i>Name and Email address of the person that interested applicants should contact. Dr. Gordon Dalton <a href="mailto:g.dalton@ucc.ie">g.dalton@ucc.ie</a></i></p>