

MRIA Energy from Ireland's Waves and Tides



Raymond Alcorn
Secretary MRIA



Who is MRIA

- Council
 - Openhydro
 - Wavebob / Tonn Energy
 - Pelamis
 - Pure Marine Gen
 - Fleming Energy
 - Open Ocean Energy
 - HMRC
 - Bord Gais
 - ESBI
 - Lotusworks
 - Airtricity
 - Aquamarine power
 - Killybegs Shipping Services
 - Lotusworks
 - Arups
- Ex Officio
 - SEI, MI, EI



Who is MRIA

- Officers
 - Peter Coyle – Chairman
 - Ray Alcorn – Secretary - HMRC
 - Jim Galvin – Treasurer – Fleming Energy
 - John Keating – Treasurer – Ocean Energy Ltd



Objectives

- MRIA is to promote the development and implementation of policy concerning the Wave and Tidal aspects of Ocean Energy
- Foreshore Leasing and Licensing
- Grid Connectivity.
- MRIA will seek to ensure that Marine Renewables development takes place in the Irish market, North and South,
- Irish enterprises participates in the global industry.
- Promote industry-led research
- Participate in efforts to raise public awareness of the industry



Subcommittees (to date)

- Foreshore licensing
- Small generators (CER)
- Resource requirements
- Industry Forum
- Industry Led Research Group



Industry Research Agenda

- Promote and encourage a clear National Research Agenda without fragmentation
- Promote Ireland as centre of excellence for such Research
- Support of MErC to accelerate and complement National Research
- SEA, Grid
- **Industry Led Research Group**



Industry Led Research Group

- To date
 - Formed to match EI funding programme for access to 3rd level Research (ILRP)
 - Irish companies only (5 companies)
 - Common research topics for the Industry
 - Led and chaired by Industry
 - Produced National research agenda
 - Calls for proposals produced and funded by EI



Industry Led Research Programme Marine Renewable Energy

Research Agenda – Topics on wave resource

- Wave data at test sites and from data buoys
- Economic evaluation of Ireland's wave energy resource
- Irish Ocean Resource Assessment
- Operational condition analysis towards O&M strategy
- Irish Ocean Weather forecasting



Industry Led Research Programme Marine Renewable Energy

Research Agenda – Topics

- Grid connection
- EIA requirements to WECs and TECs
- Mooring systems
- Technical realisation of Umbilical for floating devices
- Wave farm layout – Device arrays



Industry Led Research Programme Marine Renewable Energy

Research Agenda – Topics

- Device installation
- Standards relevant to the renewable ocean energy industry
- Lifetime economics
- Identifying capabilities for Wave Energy support in Ireland
- Device evaluation
- Wave Farm Control



Industry Led Research Programme Marine Renewable Energy

Recent 2 Calls

- 5 Applications
 - 2 + 1 Technology Development
 - 2 + 0 Proof of Concept
- 2 Approved Projects
 - 1 Technology Development: Wave Farm - Arrays
 - 1 Prove of Concept: Grid Connection



Industry Led Research Programme Marine Renewable Energy

Next Steps

- Readjustment of Research Agenda
- Alignment/Transfer to other Activities
- Call for Suggestions



Who Should Join MRIA?

- MRIA welcomes membership from Ireland and elsewhere from anyone interested in Marine Renewables including
 - Marine Renewable device manufacturers
 - Developers of Marine Renewables projects
 - Academic and research organisations
 - Government and Agencies
 - Consultants and contractors
 - Interested individuals
 - Consultants and contractors
 - Overseas organisations and individuals



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Benefits of Membership

- Influencing Policy
 - MRIA provides a voice for all involved in Marine Renewables to Governments and their Agencies, both in the Republic of Ireland and in Northern Ireland
 - Members will be consulted on MRIA submissions on policy, regulatory and other matters
- Networking
 - Opportunities will be provided for networking with policy makers and potential customers
 - Including information exchange with other parties interested in Marine Renewables
 - MRIA taking on responsibility for the Forum from OEDU
 - Members listing on MRIA website and opportunities for company branding through sponsorship
- Information



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try Association (MRIA) - homepage - energy from Ireland's waves and tides - Mozilla Firefox

http://www.mria.ie/index.php

St.Geo AIB Hfx Gmail Hotmail Arann CorkApt Shannon AerLing Ryanair UCCMail UCC UCCFin HMRC CORES LSOC

MRIA

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HOME ABOUT MRIA MEMBERSHIP MEMBERS PAGE NEWS AND EVENTS CONTACT US FAQ

Welcome to the website of the Marine Renewables Industry Association (MRIA) which represents Ireland's Marine Renewables community in the fields of Wave and Tidal.

A group of companies, researchers and institutions engaged in Marine Renewables met on several occasions in 2008 to look at the options available to provide for the representation and development of the industry in Ireland. A decision was taken to establish the MRIA and the Association was formed in January 2009.

The Association includes firms engaged in device development and manufacture, developers of projects and sites based on Marine Renewables, academic researchers, consultants and contractors as well as interested individuals. The Government development agencies such as Enterprise Ireland and the Ocean Energy Development Unit of Sustainable Energy Ireland take part in the Association's affairs on an observer basis. The Association is an all-island body.

Wave and Tidal energy is 'Green' - it is clean, sustainable and reliable. The MRIA believes that Marine Renewables can account for a significant share of Ireland's energy supply in the medium term.



Aquamarine Power's Oyster device

Latest News

- [MRIA welcomes CER Decision on Small Generators](#)