



EquiMar- Equitable Testing and Evaluation of Marine Energy Extraction Devices in terms of Performance, Cost and Environmental Impact

Project Details

Funding Programme: 7th Framework Programme (FP7)
 Sub-Programme: Cooperation, Theme 5: Energy
 Funding Scheme: Small to medium scale collaborative project
 Project Duration: 36 Months (2008-2011)
 Total Project Value: €5.5m
 EU Grant-Aid: €4m
 Funding to Ireland: €304,000
 Website: www.equimar.eu



Project Description

The aim of **EquiMar** is to deliver a suite of protocols for the equitable evaluation of marine energy converters (based on either tidal or wave energy). These protocols will harmonize testing and evaluation procedures across the wide variety of devices presently available with the aim of accelerating adoption through technology matching and improved understanding of the environmental and economic impacts associated with the deployment of arrays of devices.

EquiMar will assess devices through a suite of protocols covering site selection, device engineering design, scaling up of designs, deployment of arrays of devices, environmental impact, in terms of both biological & coastal processes, and economic issues.

A series of protocols will be developed through a robust, auditable process and disseminated to the wider community. Results from the **EquiMar** project will help to establish a sound base for future marine energy standards and will feed into the standards process being coordinated under the IEC Technical Committee 114.

EquiMar is a collaborative FP7 research and development project involving a consortium of 23 partners from 11 member states, representing nearly all aspects of the marine energy sector from universities and developers through to certification agencies.

Project Partners	
Project Coordinator	The University of Edinburgh (UK)
Ireland	University College Cork
UK	University of Strathclyde University of Exeter University of Manchester University of Southampton Ocean Power Delivery Limited European Marine Energy Centre Sea Mammal Research Unit, University of St. Andrews Scottish Association for Marine Science Feisty Productions Ltd
Denmark	Wave Dragon Aps Aalborg University Ramboll Danmarks /AS
France	Electricité de France -SA Ifremer Actimar S.A.S

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Belgium	European Ocean Energy Association
Portugal	Wave Energy Centre- Centro do Energia das Ondas
Italy	Consiglio Nazionale Delle Ricerche (CNR)
Norway	Det Norske Veritas A/S
Netherlands	Teamwork Technology BV
Spain	Fundacion Robotiker
Sweden	Uppsala University