



ANNUAL REPORT 2012



Marine Institute
Foras na Mara

Serving Science and The Sea

To the Minister for Agriculture, Food and Marine

In accordance with the requirements of the Marine Institute Act, 1991, I have the honour of presenting the Annual Report and Statement of Accounts of the Marine Institute for the year ended 31st December 2012.

Jim Fennell, Chairman

The Marine Institute is the national agency which has the following general functions:

‘to undertake, to co-ordinate, to promote and to assist in marine research and development and to provide such services related to marine research and development, that in the opinion of the Marine Institute will promote economic development, and create employment and protect the marine environment.’

Marine Institute Act 1991

Our Vision

A thriving maritime economy in harmony with the ecosystem and supported by the delivery of excellence in our services

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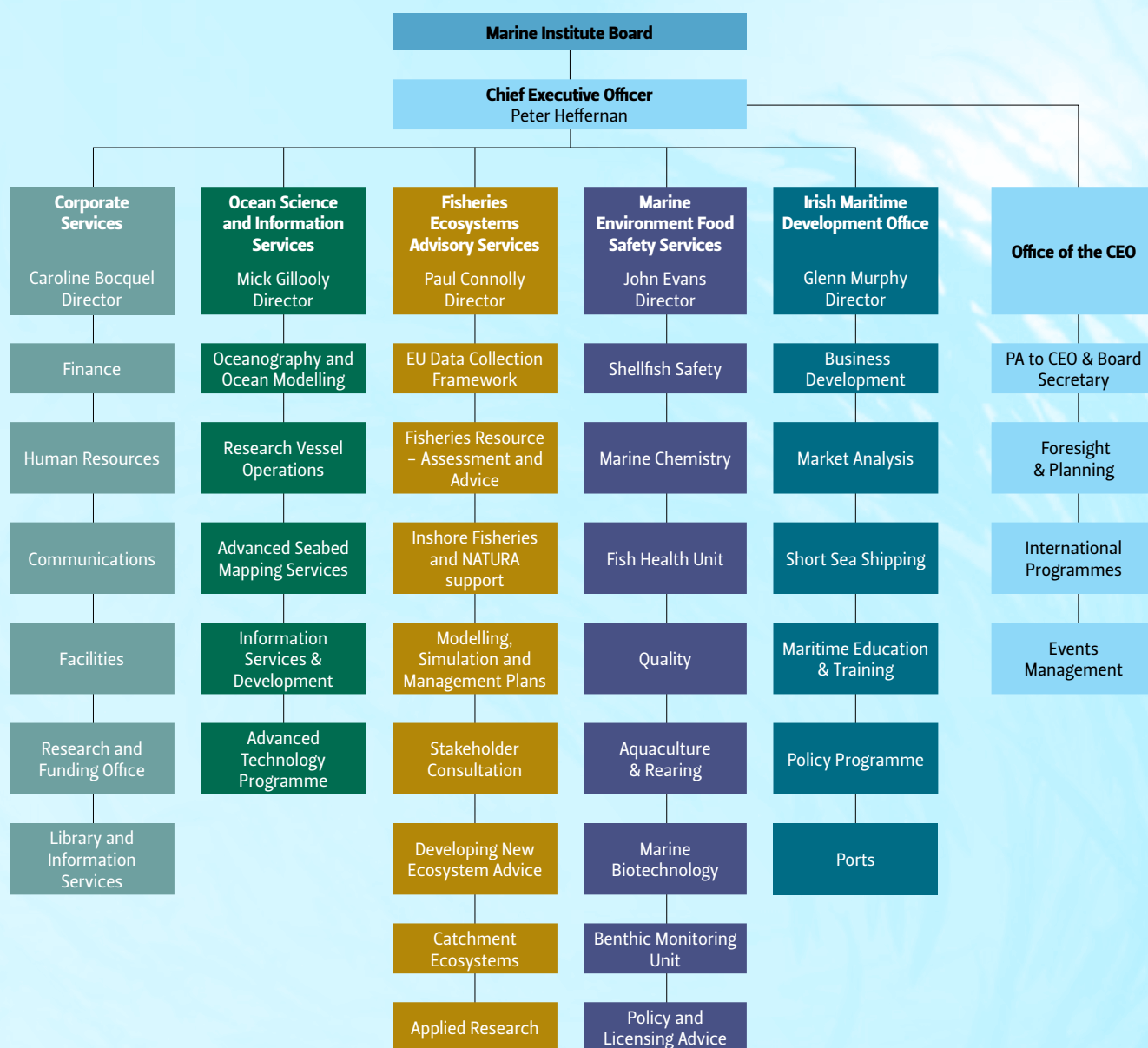
National Standards Authority of Ireland

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The Marine Institute Annual Report is available in Irish
and can be downloaded from www.marine.ie

Marine Institute Organisational Structure 2012



Introduction and Organisational Structure

The Marine Institute is the national agency for marine research, technology, development and innovation. We seek to assess and realise the economic potential of Ireland's marine resource, promote sustainable development of marine industry through strategic funding programmes and essential scientific services, and safeguard Ireland's natural marine resource through research and environmental monitoring.

Ireland has a marine resource of up to 220 million acres (approx 880,000 km²) under the sea, which is over ten times its land area. The Marine Institute promotes the sustainable development of this vast marine resource through research, the application of new technologies and by providing management advice to industry, the Government and the EU.

The Institute provides essential marine research services including:

- > National research and development funding programmes
- > Fish stock assessment
- > Fish health services
- > Marine food safety monitoring
- > Environmental monitoring
- > Research vessel operations
- > Seabed mapping
- > Data management
- > Maritime development services

The Marine Institute has five service areas and the Office of the CEO. The service areas include:

- > Corporate Services
- > Ocean Science and Information Services
- > Marine Environment and Food Safety Services
- > Fisheries Ecosystems Advisory Services
- > Irish Maritime Development Office

The organisation is supported by a strong focus on corporate governance with an emphasis on prudent financial management, which was an important contributor to the success of the Institute during the challenging economic period during 2012.

This report highlights the key deliverables and progress made towards our vision during that year.



Board Members



**Mr Jim Fennell – Chairman
(2008 – 2013)**

Appointed in November 2008, Jim Fennell is a Fellow of the Chartered Association of Certified Accountants who holds the position of Financial Controller and Secretary to the Governing Body of Galway-Mayo Institute of Technology. In addition to his role at GMIT he also holds a number of directorships including: President of Galway Chamber of Commerce, An Chéim (Collaborative Higher Education Information Management), HEAnet (Ireland's National Education and Research Network), Chairman of the HEAnet Finance Sub-committee and Mayo County Council Audit Committee.



**Prof. Bernie M Hannigan
(2007 – 2012)**

Bernie Hannigan is Professor of Immunology at the University of Ulster, Northern Ireland. On a part-time basis, she is seconded to the position of Director of Research / Chief Scientific Advisor to the Department of Health, Social Services and Public Safety, Northern Ireland. Previous roles at the University included Pro Vice Chancellor (Research and Innovation) and Dean of the Faculty of Life & Health Sciences. Professor Hannigan's particular research interest is in the relationships between nutrition and immune competence. Educated at Trinity College Dublin and the Royal College of Surgeons in Ireland, she has published almost 100 peer-reviewed papers, supervised over twenty students to successful doctoral graduation and attracted significant external research funding from a variety of UK and international sources. Externally, Professor Hannigan is, and has been, director of a range of organisations that include science parks, knowledge / technology exchange and the support of emerging technology-based companies. Her membership of the Board of Invest Northern Ireland helped to ensure that the potential economic contribution of the universities was included in regional development strategy within the province.



Mr Francis Coyle (2010 – 2015)

Mr Coyle had a long career with Donegal County Council serving in various posts from 1974 to 2010. From 2001 he was Director of Services for Planning and Economic Development. He worked with Letterkenny Town Council and was also Manager of Ballyshannon Town Council from 2005 to 2010. He was the Council's European Liaison Officer with the Conference of Peripheral Maritime Regions for sixteen years. During the period 1995–1999 he managed the Council's multi million pound Peace and Reconciliation funding and was Secretary to the Donegal Task Force for Peace and Reconciliation. Mr Coyle has also worked closely with the International Fund for Ireland and other funding mechanisms such as INTERREG and Peace III to develop multi-faceted community and recreation regeneration projects designed to enhance towns and villages, both in Donegal and on a cross border basis. He is a past Director of Donegal Airport Company Ltd and is currently engaged in project management and coordination.



Mr Paul Hyde (2012 – 2017)

Paul Hyde (BSc Arch, MA, MPlan, MRIA, RIBA) is the managing partner in the Hyde Partnership Architects and Town Planners, a multi disciplinary design and planning practice. He holds degrees in both Architecture and Planning & Sustainable Development. A member of the RIAI, RIBA and IPI professional institutes, he has over sixteen years of professional experience relating to the building environment including both terrestrial and coastal development and spatial planning. In addition to his role in the Hyde Partnership he holds a number of committee memberships including: The Irish Planning Institute, Southern Branch; The Royal Institute of Architects in Ireland, Southern Branch; and the Cork Chamber of Commerce.



Mr Richie Flynn (2007 – 2012)

Mr Flynn is the Executive Secretary of the Irish Farmers Association's Aquaculture Section, incorporating the Irish Salmon Growers' Association, the Irish Shellfish Association and the Irish Trout Producers' Group. He is the current Chairman of the European Mollusc Producers' Association. Mr Flynn holds a M.Sc. in


Mr Lorcán Ó Cinnéide (2010 – 2015)

Lorcán Ó Cinnéide (BA) is a former Chief Executive of the Irish Fish Producers' Organisation, a leading fishing industry representative body. A graduate in Economics and Politics from Trinity College Dublin, he is also a former fishing vessel owner. Lorcán was an active member of the EU North-western Waters Regional Advisory Council and a wide range of other fisheries management and advisory bodies in Ireland and at EU level. He has been an expert advisor to the EU on the evaluation of marine research programmes and has been involved in fishing industry development and representation for the past twenty years. He is currently Chairman of Comhairle Raidió na Gaeltachta and Secretary of the Blasket Island Foundation.


Mr David Owens (2012 – 2017)

David Owens (ACA) is currently Vice President, Finance and Operations for SolarWinds (NYSE: SWI). Prior to joining SolarWinds, Mr. Owens worked for Red Hat, Inc., an enterprise software company for over seven years, where he served initially as Director of Global Logistics and Production and then as Senior Director of Finance – EMEA. Mr. Owens qualified as a chartered accountant with Ernst & Young and is a member of the Institute of Chartered Accountants in Ireland.


Dr Emer Rogan (2007 – 2012)

Emer Rogan is a lecturer in the School of Biological, Earth and Environmental Sciences, University College, Cork. She completed her BSc in University College Dublin in 1984 and her PhD in University College Cork in 1990 on plankton ecology. Since then, her main research focus has been on marine mammal ecology and biology, marine mammal fisheries interactions and also the functioning of marine ecosystems, relating dietary analysis to bioaccumulation, migratory patterns and oceanographic and bathymetric parameters. She has supervised over thirty MSc and PhD students in marine mammal and fisheries ecology and has authored many papers in academic and professional journals, press articles and book chapters. Dr Rogan is a member of the Scientific Committee of the International Whaling Commission, the IUCN Cetacean Specialist Group and ICES working group on Marine Mammal Ecology.


Dr Eleanor O'Higgins (2007 – 2012)

Eleanor O'Higgins (BA, MSc, MBA, PhD) is on the faculty of the Business Schools at UCD and a Visiting Fellow at the London School of Economics and Political Science. She specialises in teaching, research and publications in corporate governance, strategic management, business ethics and corporate social responsibility. She is the author of numerous papers in academic and professional journals, newspaper articles, book chapters and case studies, and serves on the editorial boards of a number of international management and business journals. She is a member of the Press Council of Ireland, of the Sustainable Enterprise Group at IBEC, and of the Board of Management of the Centre for Corporate Governance at University College Dublin. Previously, she worked in roles including: a research psychologist at Harvard University Medical School; a clinical psychologist in the Irish Health Services; and as staff development manager in RTÉ. She has served on the board of directors of IDA Ireland, Transparency International Ireland and the Well Woman Group of health clinics. She has held various leadership positions in the US Academy of Management.


Mr Michael Walsh (2007 – 2012)

Michael Walsh was one of the founders of the Irish South & East Fishermen's Organisation, which was formed in 2002. He then worked at setting up the Irish South & East Fish Producers' Organisation which received recognition in December 2004. He currently holds the position of CEO of the Irish South & East Fish Producers' Organisation and is Chairman of the Federation of Irish Fishermen, which was founded late 2006. Mr Walsh has some fifteen years fishing experience and a vast knowledge of various types of sea fishing and fishing patterns. He crewed on board many sea fishing vessels, before becoming skipper in 1994 following his completion of the Skipper Limited Certificate of competency at the BIM Fisheries School in Greencastle, Co Donegal.

Chairman's Statement



In 2012, the Marine Institute completed a three year planning cycle, during which time we worked through significant challenges presented by the difficult economic climate, including reduced exchequer funding and a growing demand for services. This was also a period of significant organisational change for the Marine Institute with a move from seven service areas to five service areas in 2011, and a vacancy arising for the position of Director of Marine Environment and Food Safety Services in August 2012. The Board of the Marine Institute also saw significant changes with five board members coming to

the end of their term during 2012 and the appointment of two new board members.

A key role for the Board was supporting the Executive as it balanced the increased demand for services with already diminished exchequer resources. Maintaining strong leadership was essential during this time and planning for the next three year cycle was a key focus for the Board and the executive. The process for developing a new three year strategic plan for the Marine Institute began late 2012.

The need for good corporate governance was also a priority. Given the change in Board membership we undertook a special induction programme on corporate governance. The Board has an active Internal Audit Committee which meets on a regular basis and advises the full Board as to the adequacy of the systems of internal financial control within the Marine Institute. In 2012 the Committee completed substantial work in respect of risk management with the result that the Institute has a robust risk management framework that is regularly reviewed and supports the ongoing management of risk in accordance with the Institute's corporate strategy. I am very grateful for the work done by my colleagues on this Committee.

Throughout this time, the Marine Institute continued to deliver on its statutory commitments providing scientific advice and services to support the sustainable development of the marine sector.

Significant milestones for the Marine Institute this year included its role in the Marine Coordination Group and the Government's publication of *Harnessing Our Ocean Wealth – An Integrated Marine Plan for Ireland* in July following a successful public consultation process during February and March 2012.

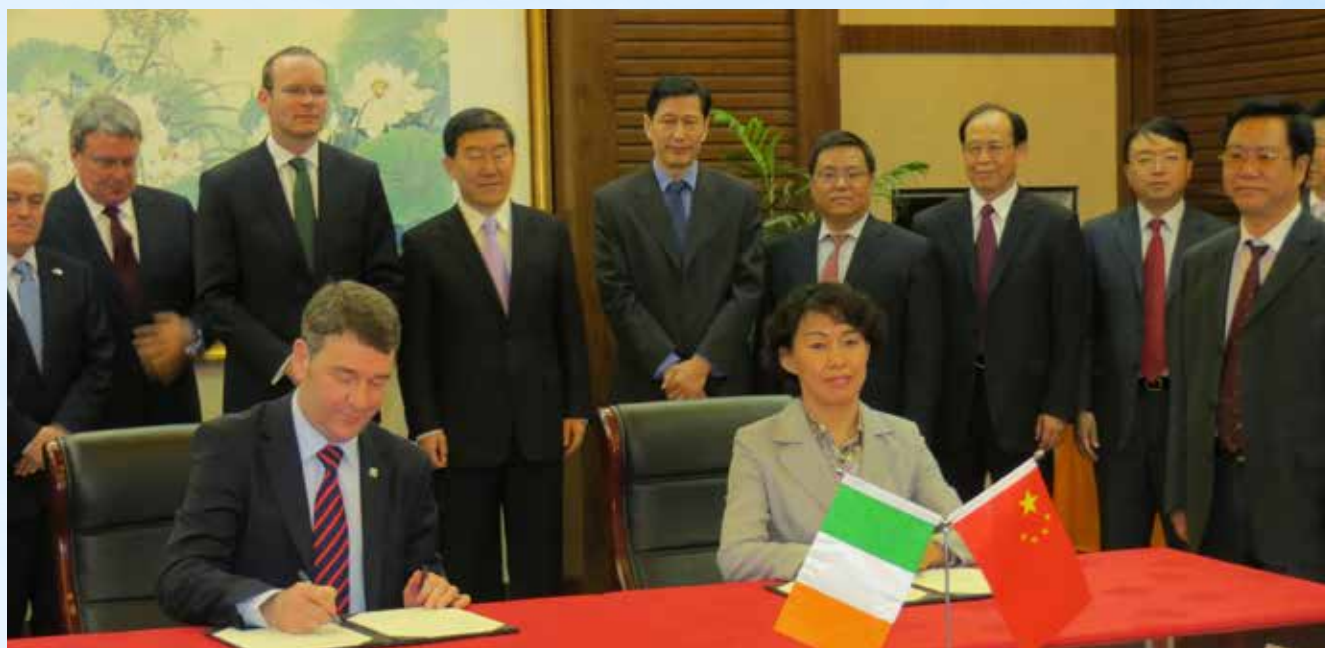
In the marine fisheries sector the *Annual Stock Book 2012*, which is a compilation of management advice on each of the commercial species fished in Irish waters, was presented to Department of Agriculture, Food and the Marine in early December to inform the December EU Council of Fisheries negotiations on Total Allowable Catch (TAC). Encouragingly, it demonstrated an improvement in the status of certain fisheries with a higher number of stocks being harvested sustainably in 2012 compared with 2011.

The Institute delivered a range of statutory monitoring services to support seafood safety and the protection of the marine environment, including the national biotoxin monitoring programme, the national residues (in seafood) control programme, implementation of the EU Fish Health Directive and the national sea lice monitoring programme.

The Marine Institute also delivered the essential elements of the Marine Strategy Framework Directive as well as the coastal and transitional monitoring aspects of the Water Framework Directive. The Institute completed the collection of baseline data needed to set conservation objectives for marine Natura 2000 sites, which allowed further progress with Appropriate Assessments of Fisheries and Aquaculture activities. This in turn allowed the resolution of some licensing issues arising from Ireland's obligations under the Birds and Habitats Directives.

The National Research vessels carried out an intensive survey schedule providing an essential national research platform as well as important training opportunities for third level students through the "Scientists at Sea" programme run by the Strategic Marine Alliance for Research and Training (SMART).

The Advanced Mapping Services Team carried out seabed mapping and data acquisition for the INFOMAR programme in priority areas in the south and south east coast and conducted surveys to support the development of the offshore marine renewable sector and offshore aquaculture.



Dr. Peter Heffernan, CEO Marine Institute and Liu Qing, Vice President Chinese Academy of Fishery Sciences signed a Memorandum of Understanding during a trade visit to China with Mr. Simon Coveney T.D., Minister for Agriculture Food and the Marine

Implementation of the strategy *Sea Change – A Marine Knowledge, Research and Innovation Strategy for Ireland*, 2007–2013 continued during 2012, with an additional investment of €3.5m under the Marine Institute administered NDP Marine Research Sub-Programme. This brought the total investment to-date under the NDP Marine Research Sub-Programme to €60.5m.

The Irish Maritime Development Office continued to support the development of the shipping and maritime services sectors and in September published a report *The Irish Ports Offshore Renewable Energy Services* (IPORES) on Irish ports and their status in relation to meeting offshore renewable energy requirements and services. The first Annual Review of port accounts was published in October 2012 and the analysis was also used to inform wider ports policy deliberations. The IMDO also hosted the European Shortsea Shipping Congress Conference in Dublin in June, which was attended by 150 delegates from Ireland and Europe.

During the year, two of the Marine Institute's senior management team were appointed to prestigious international positions. CEO Dr. Peter Heffernan was appointed to the European Research and Innovation Area Board (ERIAB) by European Commissioner for Research, Innovation and Science, Ms Máire Geoghegan-Quinn. ERIAB is an eleven member board that advises the Commissioner on issues relating to the development of the European Research Area, including the proposed €80 billion Horizon 2020 Programme for Research and Innovation (2014–2020). Dr Paul Connolly, Director of Fisheries Ecosystem Advisory Services at the Marine Institute was appointed President of ICES, the International Council for the Exploration of the Seas.

The Institute was awarded the highest level for the Excellence Through People Accreditation under the NSAI Standard – ETP 1000:2012. This is Ireland's national standard for human resource management which aims to act as a business improvement tool as well as a driver for change and innovation and to promote employee learning, development and involvement in line with the organisation's goals.

Such achievements would not have been possible without the commitment of the Chief Executive, management and staff of the Marine Institute, who have maintained an admirable focus in moving towards the shared vision of "a thriving maritime economy in harmony with our marine and coastal ecosystems and supported by the delivery of excellence in our services."

Finally, I wish to convey my deep appreciation to Mr. Richie Flynn, Prof Bernie M Hannigan, Dr. Eleanor O' Higgins, Dr Emer Rogan, and Mr. Michael Walsh for their dedicated service to the Board during their five year term which ended in 2012. I would also like to welcome new members, Mr. Paul Hyde and Mr. David Owens, to the Board.



Mr Jim Fennell
Chairman



Dr. Peter Heffernan, CEO Marine Institute, Máire Geoghegan-Quinn, European Commissioner for Research, Innovation and Science and Taoiseach Mr. Enda Kenny

"The Marine Institute continued to deliver on its statutory commitments providing scientific advice and services to support the sustainable development of the marine sector."



Dr. Peter Heffernan, CEO Marine Institute presents the 2012 Stock Book to Mr. Simon Coveney T.D., Minister for Agriculture Food and the Marine

Chief Executive's Report



2012 was a milestone year for marine Ireland with the launch of a public consultation process by the Government in February 2012 which sought the view of its citizens as to how best to harness the great potential of Ireland's vast marine resources, followed by the publication of *Harnessing Our Ocean Wealth – An Integrated Marine Plan for Ireland* in July. The ambitious plan sets three high level goals to achieve a thriving maritime economy, healthy ecosystems, and increase engagement with the sea.

The strategy plans to double the value of Ireland's ocean wealth to 2.4% of GDP by 2030 and to increase the turnover from our ocean economy to exceed €6.4bn by 2020. Launching the plan at the Marine Institute, Galway in July, the Taoiseach, Enda Kenny TD, said, "this plan is a dynamic one and will ensure that our vision remains constant – to dramatically improve our ability as a nation and people to harness our ocean wealth. The Government is determined that it will be a key component of our economic recovery and sustainable growth generating social, economic and cultural benefits for all".

The plan is framed within the context of the European research agenda and in September, the Commissioner for Research Science and Innovation, Ms Maire Geoghegan Quinn visited the Marine Institute, together with Robert-Jan Smits, Director General, DG Research Science and Innovation. They participated in a round table discussion with Government officials and the heads of Irish research and innovation organisations. The discussions centred around two Irish reports, *Harnessing Our Ocean Wealth – An Integrated Marine Plan for Ireland* (July 2012) and the *Report of the Research Prioritisation Steering Group* (March 2012), and their anticipated synergies with the European Blue Growth Strategy, Horizon 2020 and the EU Atlantic Strategy.

The essential contribution of marine science to society was also highlighted in the Government's Research Prioritisation report published in March 2012. It clearly highlights the opportunities for economic growth through research in the areas of seafood, both aquaculture and wild fisheries, marine renewable energy and ICT applications in the marine environment (based on the SmartOcean concept) and marine food for health.

The report also highlighted the need for "research on policy development" in support of the priority areas. Such research is vital in supporting sustainable development of our marine resources through a better understanding of marine ecosystem functioning and the ecological services and biodiversity it supports. This policy research is also crucial in supporting the implementation of international and EU obligations, such as, the Marine Strategy Framework Directive.

Throughout 2012, our detailed and inclusive adaptive planning process continued, including ongoing efficiency and cost-saving, ensuring we met our obligations under the Croke Park Agreement and supported the Government's Public Sector Reform Programme. Our staff are central to the successful delivery of our work programmes, and we had a sharp focus on maintaining a strong staff morale and demonstrating appreciation of the quality and dedication of our staff.

The Institute delivered a range of statutory monitoring programmes supporting seafood safety and the protection of the marine environment including the National Biotxin Monitoring Programme, the National Residues Control Programme (in seafood) and the implementation of the

EU Fish Health Directive.

We also delivered key elements of the Marine Strategy Framework Directive and the Water Framework Directive in collaboration with the Department of the Environment, Community and Local Government and other state agencies, supported by outsourced contractors.

The annual *Stock Book 2012a* compilation of management advice on each of the commercial species fished in Irish waters – was presented to Department of Agriculture, Food and the Marine in early December to inform the December EU Council of Fisheries negotiations on Total Allowable Catch (TAC) and fishing quotas for 2013. The Institute also published an, 'Atlas of Irish Groundfish Trawl Surveys' in May 2012. The Atlas shows the key results from the Irish scientific surveys of the whitefish and deepwater fish stocks in Ireland's 200 mile Exclusive Fisheries Zone and provides an overview of the distribution and abundance of adult and juvenile fish species in the waters around Ireland.

The national research vessels provide an essential research platform and five year refits of both vessels were completed in early 2012. The vessels engaged in an intensive survey programme with the RV *Celtic Explorer* completing sixteen surveys totalling 291 science days and the RV *Celtic Voyager* completing a total of twenty-seven surveys comprising 272 science days. This included a charter in April – May 2012 by the Centre for Fisheries and Ecosystems Research (CFER) of the Marine Institute of Newfoundland, Canada for the completion of a forty-one day fisheries survey. The research vessels also provided an important training platform for third level students through the Science@Sea training programme run by the Strategic Marine Alliance for Research and Training (SMART).

The Institute's Advanced Mapping Services team carried out INFOMAR seabed data acquisition off the south and south east coast onboard the RV *Celtic Voyager*. Significant additional data was collected as part of the Value Added Exploitation Programme. This included an extension to the Galway Bay test site cable route to facilitate a revised route for the proposed cable installation landing in Spiddal and survey work offshore west Clare in a priority area defined by the Marine Renewables Energy Association in consultation with the Sustainable Energy Authority of Ireland.

There was a strong focus on international collaboration in 2012 during which time we formed research partnerships with the UK, China and the US. On behalf of the Marine Institute I signed a Memorandum of Understanding with Liu Qing, Vice President of the Chinese Academy of Fishery Sciences at the Ministry of Agriculture, Beijing on the 16th April 2012. The MOU aims to enhance cooperation in Fishery Science and Technology and was signed during a trade visit to China with Mr. Simon Coveney TD., Minister for Agriculture Food and the Marine.

The Marine Institute also established a Memorandum of Understanding with the National Oceanography Centre (UK) on the 24th April to foster closer cooperation and joint activities between Ireland and the UK in the area of marine research, development and innovation.

Ireland also established a Memorandum of Understanding with the United States Department of Energy which I signed on behalf of the Minister for Communications, Energy and Natural Resources, Pat Rabbitte TD. The potential of Ireland's oceans to offer a source of clean, green, renewable energy in the future is huge and the signing of this memorandum will hopefully serve as a catalyst in the development of new ocean energy technologies that will provide us with a secure source of green energy and also create commercial opportunities for services in this emerging sector.

During 2012, the Institute also contributed to the Atlantic Forum – a consultation process on the European Union Atlantic Strategy to develop an action plan to implement the strategy.

We participated in a number of public outreach events such as the Volvo Ocean Race finale in Galway and the European Science Open Forum (ESOF 2012) in Dublin. The Marine Institute made significant contributions at both these events during June and July. We exhibited at the Volvo Ocean Festival Global Village in Galway 30th June – 8th July during which we hosted a marine careers fair 'Ocean's of Opportunity' to promote over eighty job opportunities in the marine sector supported online with a web portal www.marinejobs.ie. At ESOF 2012, the Marine Institute hosted the Atlantic Symposium which brought together scientists and policymakers from both sides of the Atlantic to explore how to harness evolving technology to drive the 'blue economy' through smart, sustainable and inclusive growth and how to achieve this through collaboration across the Atlantic Ocean in the areas of science, technology and innovation.

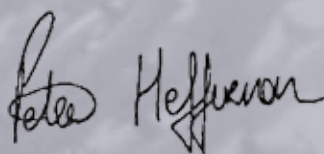
We also presented a marine science, music and ocean literacy event called 'The Longest River', which promoted marine science and technology through music, poetry, narration, lecture as well as photography and video footage of the deep ocean. The Institute hosted the world premiere of National Geographic's *Alien Deep* at ESOF 2012, which featured the discovery onboard the RV *Celtic Explorer* of the Moytirra hydrothermal vent field. The documentary had its Irish television premiere in October and was subsequently broadcast in over 150 countries worldwide.

We collaborated for the second year with National University of Ireland Galway to bring Sea2Sky to Galway as part of European Researchers night and extended to Cork through the Blackrock Castle Observatory. The Institute also exhibited at the 16th year of the Galway Science and Technology Festival.

The Marine Institute continued to deliver its Explorers Education programme with partners Galway Atlantaquaria, Galway Education Centre, Bray Sea Life Centre, Blackrock Education Centre, and the Lifetime Lab, Cork. The programme includes the installation of marine aquariums in classrooms and includes beach safaris, outreach events and the delivery of classroom resource material online through www.explorers.ie.

The SmartOcean Conference was hosted at the Marine Institute for the third year, coinciding this year with the arrival of the Volvo Ocean Race into Galway. A new initiative, the SmartOcean Innovation Exchange was held as part of the event in the Volvo Ocean Race Global Village where twenty-two innovative Irish and international companies showcased their marine focused technology solutions to an international audience.

I would like to thank the management and staff of the Institute for their continued commitment and enthusiasm in the challenging circumstances that our country finds itself. Finally, I extend my gratitude to the Chairman and the Board for their guidance, support and dedication during the year.

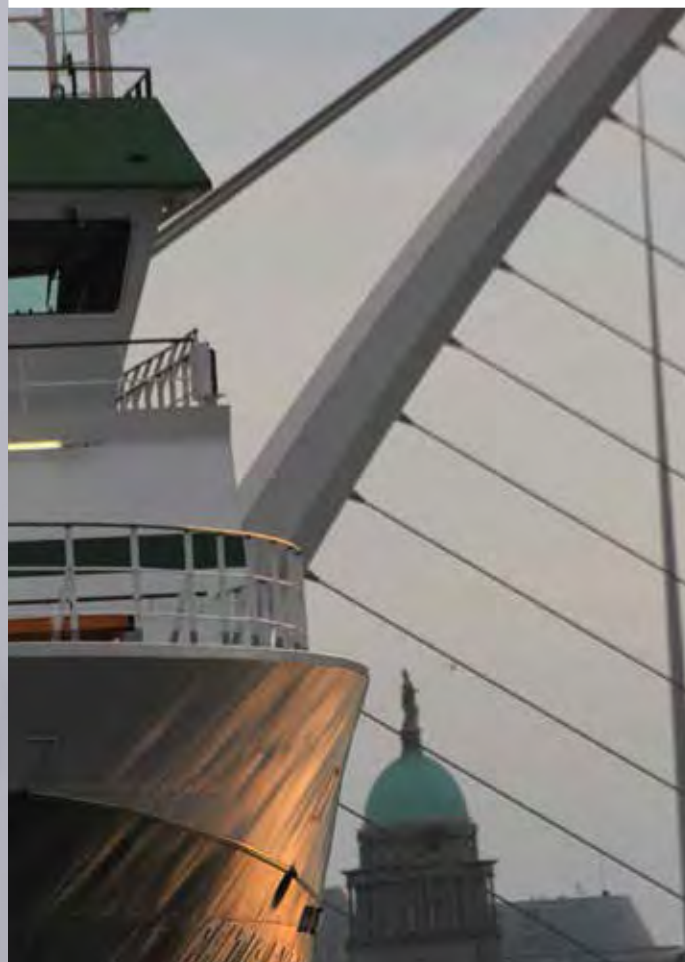


Dr Peter Heffernan
Chief Executive



The Taoiseach Enda Kenny, TD launched 'Harnessing Our Ocean Wealth – An Integrated Marine Plan for Ireland' at the Marine Institute, Galway

"This plan is a dynamic one and will ensure that our vision remains constant – to dramatically improve our ability as a nation and people to harness our ocean wealth."



The RV *Celtic Explorer* was on show in Dublin during ESOF 2012

Corporate Services



Director's Statement

The public sector embargo on recruitment together with fiscal pressures and a difficult economic environment determined that the objectives for 2012 remained on providing value for money to customers in a highly efficient manner. This was achieved through collaborations with other bodies and the provision of a responsive, dynamic service with a continued focus on strong corporate governance.

Highlights of 2012 included:

- > The attainment of the Platinum Excellence Through People (ETP) Accreditation under the National Standards Authority Ireland (NSAI) – ETP 1000:2012. This is Ireland's national standard for human resource management with the two main objectives of the standard being to act as a business improvement tool as well as being a driver for change and innovation, and to promote employee learning, development and involvement in line with the organisation's goals.
- > Implementation of the *Sea Change* strategy – *A Marine Knowledge, Research and Innovation Strategy for Ireland, 2007–2013* continued during 2012, with an additional investment of €3.5m under the Marine Institute administered National Development Plan (NDP) Marine Research Sub-Programme. This brought the total investment to-date under the NDP Marine Research Sub-Programme to €60.5m.
- > Participation in a number of key Irish and International public and outreach events in 2012 including the Volvo Ocean Race Festival Galway, European Science Open Forum (ESOF 2012) in Dublin, and Sea2Sky Galway and Cork which enabled the Institute to reach new audiences.
- > A positive profile of the Marine Institute and the *Sea Change* strategy was communicated through the comprehensive use of electronic and web-based communication evidenced by 274,560 visitors coming through www.marine.ie
- > Corporate Governance continued to be an important priority for Corporate Services, with regular internal audits reporting maximum levels of assurance on a broad range of controls to the Marine Institute Board.

Mrs Caroline Bocquel

Director: Corporate Services

Human Resources

Supporting the Marine Institute to deliver quality services and programmes under a number of Strategic Initiatives was a key activity for the Human Resources Team. The proactive, solutions focused service was underpinned by our Human Resources Charter.

2012 saw the Marine Institute secure the Platinum Excellence Through People Accreditation, the highest level of the award under the NSAI Standard – ETP 1000:2012. This accreditation is a reflection of the Institute's ongoing investment in improving performance via the effective management and development of those who work at the Marine Institute. The electronic Performance Management and Development System was enhanced in 2012 to ensure it was more user friendly and time efficient.

The importance of investing in and developing our staff was reflected in our Learning and Development Programme during 2012. In addition to a programme focused on essential and developmental training to support delivery of business critical work programmes, the Marine Institute Learning and Development focus for 2012 included Personal Development and Management Development. This included Strategic Management and Planning, Finance for non Finance Managers as well as Mental Wellbeing and Effective Work Life Balance. This centred on value for money and a return of investment with an ongoing use of online and self learning tools and materials.

Reflecting the continuing embargo on public sector recruitment, activities in this area included hiring twelve recently qualified graduates (Stagiaires) under a fifty week work experience programme across a range of scientific, technical and administration disciplines. This programme has been overwhelmingly successful with 89% of Stagiaires securing a position in either the public or private sector, or alternatively taking up further education upon completion of their placement with the Marine Institute.

Twenty-seven Internship opportunities were offered to persons on the live register across mainly scientific areas. This programme has been very successful in enhancing the employability of Interns, with 67% securing jobs after their JobBridge placement with the Marine Institute.

The Institute's Quality Accredited Health & Safety Programme saw the committee which represents all locations and activities across the organisation hold eight meetings during 2012, promoting and supporting the importance of health and safety across all Marine Institute facilities. Health, Safety and Employee Wellbeing awareness in 2012 was directed towards effective safety and wellbeing practices at work, while travelling and at home.

Finance

The Marine Institute is committed to maintaining the highest standards of corporate governance and ensuring compliance with the revised Code of Practice for the Governance of State Bodies which was published in 2009.

Under the stewardship of the Internal Audit Committee, the Marine Institute continued to conduct internal audits in 2012, all of which affirmed the Institute's high standards of governance and ensuring that an effective system of internal control is maintained and operated. The following internal audits on the Statement of Internal Financial Control, the Code of Practice, Business Continuity Planning and Human Resource Management took place in 2012. There was also a 'Look Back' Report on six previous internal audits reports that verified that the recommendations from those reports had been implemented.

There continues to be a strong public procurement ethos and focus throughout the Marine Institute and 36 tenders were issued in 2012 of which four were published on the Official Journal of the European Communities. Centralised purchasing has proven to be an efficient and effective means of reducing costs in 2012.

It is the policy of the Marine Institute to ensure that all invoices are paid promptly. Systems and procedures have been put in place to enable invoices to be tracked and to ensure that payments are made before their due date. Purchase invoices are logged on a daily basis in the finance section, and are followed up systematically to ensure that they are processed without delay. Payments are issued as required to ensure a prompt and efficient service.

Facilities

The facilities team continued to deliver excellent customer, project, team, stores, maintenance and other ancillary services to manage the Institute's facilities in Galway, Newport and Dublin together with a number of regional locations. High quality front line services were provided to our clients and stakeholders to support delivery of all Marine Institute Programmes. More than 14,400 incoming telephone queries were responded to.

Cost savings and effective procurement were key objectives for the Institute during 2012 with our stores service centralising the purchase of laboratory consumables. In addition collaborative procurement with other agencies and organisations in 2012 have seen cost savings being made under a range of collaborative tenders with other bodies including the HSE and via the National Procurement Services.

Strategic procurement continued to be a key focus in delivering value for money to customers and stakeholders.

The main energy consumption at Marine Institute offices and laboratories is in relation to lighting, heating, power and water. In 2012 the Marine Institute consumed 3,232,234 kWh of electricity, 22,626 litres of Kerosene and 442,177 litres of bulk propane gas.

Facilities have been using the SEAI energy bill tracker since 2010, as well as undertaking a range of initiatives to improve the Institute's energy performance.



John Perry, Minister for Small Business with Caroline Bocquel, Director Corporate Service and Catherine Johnston, Human Resources Manager, from the Marine Institute, Maurice Buckley, CEO NSAI and Paul O'Toole, FAS at the National Standards Authority of Ireland – Excellence Through People Awards

“2012 saw the Marine Institute secure the Platinum Excellence Through People Accreditation, the highest level of the award under the NSAI Standard – ETP 1000:2012”



The Marine Institute and Cois Cladaigh present The Longest River – a music, arts and marine science literacy event during ESOF 2012

Corporate Services



Library Services

Since the Library launched the Marine Institute Open Access Repository (<http://oar.marine.ie/>) in 2011, it has proved a great success in the accessibility of publications. The Repository contains digital full-text versions of Marine Institute publications including Annual Reports, scientific reports, peer-reviewed articles, conference papers, information leaflets, educational resources, and MSc and PhD theses. The Repository also acts as an archive and electronically preserves old reports and papers, such as Irish Fisheries Investigations (from 1965) and Irish Fisheries Leaflets (from 1938).

By the end of 2012, the Repository contained 744 publications and had 15,156 visits in 2012, and a total of 21,917 visits since its launch in March 2011. Visits have come from 48 different countries. A significant feature of the repository is that performance indicators are available that show how often publications are being viewed and downloaded and from what countries. The Marine Institute publications visibility, research impact, and probability of being cited, has been greatly increased as all records in the Repository are fully searchable by Google and other search engines. The Repository ensures the Marine Institute complies with mandates from national and international funding bodies that all publications arising from their funding be placed in an open access repository.

Communications

The Marine Institute Communications Office supported a number of key Irish and international events in 2012 and delivered targeted communications to the Institute's key stakeholders through our website www.marine.ie and electronic platforms, education and outreach and via a targeted media relations programme. The Institute's website www.marine.ie had 274,560 visits throughout the year and Facebook and LinkedIn social media profiles were established to increase engagement with stakeholders.

The Marine Institute participated in the Volvo Ocean Race Global Village, and hosted the SmartOcean Conference and Innovation Exchange, in Galway during July 2012. The Institute also exhibited at ESOF 2012 in Dublin where the Institute's Remotely Operated Vehicle (ROV) *Holland 1* was on display at the International Science Festival from July 12th–15th July. 'The Longest River' event – a fusion of marine literacy, music and science, communicated the importance of marine science and was presented to an international audience during ESOF 2012. During the Volvo Ocean Race Festival, the Marine Institute held a marine careers fair and launched the website www.marinejobs.ie to promote opportunities in the marine sector. The Institute also participated in the annual Galway Science and Technology Festival in November.

The Marine Institute supported the preparation and publication of the Government report *Harnessing Our Ocean Wealth – An Integrated Marine Plan for Ireland*, which was launched by the Taoiseach, Enda Kenny, TD. at the Marine Institute 31st July 2012. The Institute produced a promotional video on the report which was made available online to promote Ireland's ocean wealth and highlight the potential for job creation.

The Explorers marine education programme for primary schools delivered by Atlantaquaria engaged with 44 schools in the west coast including counties Galway, Mayo and Clare. On the East coast, six schools participated through the Sea Life Centre, Bray who installed aquaria in school classrooms with support from Blackrock Education Centre. The programme ran in Cork for the second year in collaboration with the Lifetime Lab, University College Cork where a series of twenty-one marine science workshops delivered to fourteen schools and 590 pupils from Cork City and County.

The Marine Institute collaborated with the National University of Ireland, Galway (NUI Galway), Galway Atlantaquaria and Blackrock Castle Observatory, Cork to run Ireland's second successful European Researchers Night – Sea2Sky event. Over 300 cities participated in European Researchers Night around Europe, in which Galway and Cork successfully presented Irish marine, atmospheric and astronomical research to the general public as part of a one day / night event.

A total of 38 press releases and thirty-two news updates on the Marine Institute website resulted in 1135 media hits in 2012.

A number of marine related stories promoted by the Institute featured prominently in the media throughout the year. This included the launch of the Government Report, *Harnessing Our Ocean Wealth* in July. The launch of the Irish television premiere of the National Geographic documentary, *Alien Deep*, which featured the discovery of a field of hydrothermal vents along the Mid-Atlantic Ridge by a team of scientists using the ROV *Holland 1* onboard the RV *Celtic Explorer*, received extensive national coverage. Other stories which gained media coverage included reports on the progress and impact of a significant algal bloom that affected the North West coastline during July and August, as well as the 'Sea2Sky' event in September. The signing of a Memorandum of Understanding on offshore renewable energy research cooperation with the United States Department of Energy in March by Dr. Peter Heffernan, Marine Institute on behalf of Minister for Communications, Energy and Natural resources, Pat Rabbitte TD, in March 2012 gained media coverage. The signing of a Memorandum of Understanding between Ireland and China regarding fisheries science and technology in April, also received coverage. The launch of a website www.marinejobs.ie and a marine careers fair at the Volvo Ocean Race Festival attracted national media coverage in print, radio and TV.

The IMDO's publication of the Irish Maritime Transport Economist in April and Shipping results reported in August received significant media coverage.

Sea Change Management Unit and Research Office

2012 marked the penultimate year of the term of the *Sea Change Strategy – A Marine Knowledge, Research and Innovation Strategy for Ireland, 2007–2013*. During the year, just over €2.5m was invested under the Marine Institute administered NDP Marine Research Sub-Programme. A full list of the new investments in 2012 is provided in Appendix 1. The investment in 2012 brings the total investment to-date under the NDP Marine Research Sub-Programme to €60.5m (2007–2012). The vast majority (99%) of the 2012 investment was awarded to support research

(147 days) and under/postgraduate training programmes (61 days) onboard the national research vessels RV *Celtic Explorer* and RV *Celtic Voyager*. The research undertaken addressed the thematic areas of fisheries (ecosystem approach to management), aquaculture (harmful algal blooms), oceanography/climate change, marine geology, marine technology and marine biodiversity/biodiscovery. Training programmes were provided to students from eleven Higher Education Institutes, through structured, accredited specific modules or generic multidisciplinary courses.

In 2012, mid-term reviews were completed for a number of large, long-term (five to seven years) Marine Institute funded projects. These comprehensive reviews, conducted by panels of international experts, were designed to assess activities and progress to date as well as provide recommendations on the future scope and direction of the projects. All of the projects were positively reviewed and have agreed ongoing work programmes for their remaining terms.

An additional €5.2m was committed, via other competitive programmes (e.g. HEA, SFI, EPA, IRCSET), to research aimed at addressing the objectives of *Sea Change*. This included a significant award (€2.3m) to the Marine Institute, under the Science Foundation Ireland Research Infrastructure scheme, for the installation of a fibre optic / power cable at the Galway Bay ocean energy / SmartBay test site.

Irish marine researchers continued to enjoy success in EU competitive funding programmes (e.g. FP7 and INTERREG), with grant-aid of €6.1m being awarded in 2012. This brings the cumulative grant-aid awarded to Irish marine researchers in the current EU funding cycle (2007–2012) to €53m. The total investment in marine activities and marine related research in Ireland over the lifetime of *Sea Change* now stands at approximately €180m.

During 2012, the Marine Institute was engaged in the Prioritisation Action Group, convened by Government to oversee the delivery of the research prioritisation agenda. The Report of the Research Prioritisation Steering Group was published in March 2012, identifying key target areas for research to ensure the maximum economic return on investment. The 14 Priority Areas recommended in the report include significant opportunities to support the development of Ireland's marine resources. In particular, the areas of Marine Renewable Energy, Marine Information Communications Technology (ICT) and Seafood are clearly identified as priority areas for investment. Other priority areas present opportunities to harness marine resources within the area of Marine Biotechnology, such as marine materials as a source for drug discovery and materials (e.g. bone replacement and bio-glues).

Finally, in early 2012 the role of the Research Office was expanded to incorporate responsibility for providing support to Marine Institute staff in all service areas in the financial management and administration of EU funded research projects. This centralised approach ensures consistency in project administration procedures and maximises the Institute's draw-down of EU funds. Support is currently provided to 25 projects, valued in excess of €3.2m in grant-aid to the Institute.

Accessibility

The Institute was fully compliant with the Disability Act during 2012.



Mr Thomas Furey from the Marine Institute speaks to Máire Geoghegan-Quinn, European Commissioner for Research, Innovation and Science at the Sea2Sky event in Galway.

“2012 marked the penultimate year of the term of the Sea Change Strategy – A Marine Knowledge, Research and Innovation Strategy for Ireland, 2007–2013.”



Dr. Louise Allcock, NUI Galway and Dr. Margaret Rae, Marine Institute/NUI Galway, with the ROV *Holland I*, used during the biodiversity survey of the Whittard Canyon System. This survey was carried out under the Sea Change strategy and the Marine Research Sub-programme of the National Development Plan 2007–2013.

Irish Maritime Development Office



2012 marked the 10th year since the introduction of the Irish Tonnage Tax regime. The Irish Maritime Development Office (IMDO) prepared the original business case for the Irish Government which was subsequently approved by the European Commission under its State Aid to Maritime Transport. The scheme has resulted in the creation of new jobs and investment opportunities for over 600 people and continues to grow. IMDO estimate that over

€3bn of shipping assets are currently managed and controlled from Ireland.

Since the introduction of tonnage tax in 2002, IMDO have seen the reversal of a previous decline in the indigenous ship-owning sector which has been followed by a steady growth and investment programme. The industry's growth in Ireland has been driven both by established Irish shipping companies and by foreign inward investment from overseas firms.

The Irish Tonnage Tax regime is an excellent model of Government taking a proactive stance to halt the decline in a sector and also of the industry working with these measures to deliver new jobs and investment. The attractiveness of a stable platform, and the increasingly competitive business environment that Ireland has to offer indigenous and international investors, is fundamental to the future growth of international shipping services in Ireland.

2012 was another year of strong output by the office which is reflected in this year's Annual report. IMDO's 2012 Corporate Strategy covered 21 specific primary programme objectives in four thematic areas: Policy Advice; Business Development; Market Analysis; and Education Support.

Mr Glenn Murphy

Director: Irish Maritime Development Office

Focus on Irish Shipping and Ports Sector

As expected, 2012 turned out to be another difficult year for Irish shipping and port companies operating in both domestic and international shipping sectors. The aftermath of the global economic crisis that occurred in 2008 continued to send shockwaves that rippled over the course of last year, which hindered the prospects of a return to global growth in the near future. Unsurprisingly, given the subdued macroeconomic environment, shipping volumes were largely flat over the course of 2012. The only observed growth was in the dry bulk market. One note of concern was the slowdown of the export sector and its subsequent decline in the second quarter of the year. Imports in the headline container trades also remained negative, despite the rate of decline easing to its lowest level since 2007.

The IMDO continues to work closely with Irish Ports throughout the island of Ireland. IMDO also have regular interaction and briefings with the principal shipping lines that provide regular scheduled services to and from Ireland with over 120 meetings completed during 2012.

Focus on Business Development and International Shipping markets

The Irish Tonnage Tax regime is a specific tax regime for shipowning and managing companies located in Ireland and has been the central pillar for the growth of this market segment. Since its introduction in 2002, the scheme has gone from approximately 60 vessels to over 400 vessels, owned, managed and operated by companies located in Ireland in 2012. Since 2010 over 100 new jobs have been created by IMDO client companies operating in this scheme with just under 450 employees at their Irish service based operations. These companies are also central to the high added value services for employment in the wider services cluster including banks, legal, accounting, broking and other elements of the Irish shipping services cluster. The office continues to work with the IDA and other agencies to identify potential new shipping inward investment projects.

Irish Tonnage Tax based companies had to again deal with the largely volatile situation across the principal international shipping markets in 2012 with record high deliveries in some segments continuing to see supply of tonnage outpace global demand. The overall global fleet grew by 7% largely made up of growth in the bulk segment by almost 9%, the container fleet by a further 5.5% and tanker fleet by a more modest 2.7%. As a result of the oversupply of ships, charter rates and earnings remained under pressure. While slow steaming and other strategies continued to help, the number of ships idle increased to 12% by the end of the year. Against the weaker trading background, fuel and other costs continued to trend upwards albeit at a slower pace than previous years. Nonetheless several Irish owners took a long term view on the markets with almost a dozen new ships on order by Irish based companies. 2012 was a difficult year to be a shipowner.

Market Analysis & Policy Support

As part of the day-to-day role, the IMDO undertakes regular analysis of domestic and international shipping markets. IMDO use this analysis to inform both the Government and the private sector, with respect to important policy and investment decisions, as well as market reports that are also published. The IMDO provides policy support to the Department of Transport, Tourism and Sport (DTTAS). Over the course of 2012 IMDO worked closely with the DTTAS in the preparation of a new Irish Ports Policy which will be published in March 2013. As part of the input process the IMDO carried out specific analysis on key areas relating to future policy. The office also worked with several other State Bodies undertaking maritime related projects or studies last year including the Competition Authority and Forfás.

In March IMDO completed the *Annual Review of The Irish Tonnage Tax regime 2011*, which is a mandatory obligation from European Commission and a condition of the state aid ruling. IMDO also coordinated an Industry consultation on the current maritime state aid guidelines which was used to inform a national response submitted in April.

IMDO publish quarterly annual maritime traffic bulletins which provide expert analysis on the Irish ports and shipping markets. IMDO also collate the information to publish the *Annual Maritime Transport Economist* which was published in April. We also published fifty weekly shipping and economic market summaries.

In 2012, IMDO also revised the online publication of IMDO's shipping trade review series in a new format. The Shipping-trade-reviews is a fourteen country review of Irish shipping traffic data between Ireland and the main European maritime partners. The system generated 3,500 requests for information from the data published online.

In September IMDO published a report on the *Irish Ports Offshore Renewable Energy Services* (IPORES).

In October IMDO published for the first time the *Review of Port Financial Accounts*. The analysis was also used to inform wider ports policy deliberations. The study extrapolates key data from the financial statements and provides a comparative review of the ports financial performances.

IMDO Publications and Events

In April IMDO published its 9th annual *Irish Maritime Transport Economist*, which was launched at an industry briefing in Dublin attended by senior executives from the Irish Ports and Shipping sector.

In June, IMDO hosted the European Shortsea Congress Conference in Dublin. The Minister for Transport Tourism and Sport, Leo Varadkar TD, gave the keynote address at the conference which was attended by 150 delegates from Ireland and Europe. The office has supported "Irish Exporters Shortsea Shipping Award" at the Irish Exporters Association annual awards since its inception. Stena was the 2012 Shortsea Shipping Company of the Year.

Supporting Education Development

In 2012 the Irish Seafarers Education Assistance Scheme (ISEAS) grant funded a record number of cadets, with 123 students and twelve companies benefiting from seagoing training payments and company support. The IMDO manages and administers the government's ISEAS. IMDO also provided grant aid to 15 seafarers that enabled them to achieve higher certificates of professional competency including Fishing Skipper conversion course.

IMDO's dedicated schools program Follow the Fleet continued to generate a high level of interest with 1,421 primary level schools now participating on a nationwide basis with a potential outreach of over 55,000 school children. The annual schools competition was chaired by well know maritime journalist, Mr Tom McSweeney, with the overall prize won by Scoil Bhridhe Naofa from Kinvara. IMDO also commenced a new partnership with the National Maritime Museum which now uses Follow the Fleet as part of its school tours program at its recently refurbished Dun Laoghaire base.



IMDO hosted the European Shortsea Congress Convention in Dublin in 2012

"The industry's growth in Ireland has been driven both by established Irish shipping companies and by foreign inward investment from overseas firms."



IMDO published its 9th annual *Irish Maritime Transport Economist*, which was launched at an industry briefing in Dublin

Marine Environment and Food Safety Services



Director's Statement

Marine Environment and Food Safety Services (MEFS) at the Marine Institute conducted a number of statutory monitoring programmes in support of seafood safety and the protection of the marine environment throughout 2012. These included: the National Biotoxin Monitoring Programme; the seafood component of the National Residues Control Programme; implementation of inspections and monitoring of movements

of fish and shellfish stocks as required under the EU Fish Health Directive; and the National Sea Lice Monitoring Programme. In support of these programmes, the Institute is the National Reference Laboratory for diseases in shellfish, finfish, and crustaceans; biotoxins; microbiological contaminants in shellfish; and certain chemical substances in aquaculture.

In collaboration with the Department of Environment, Community and Local Government (DECLG) and other state agencies, and supported by outsourced contractors, the Institute delivered the essential elements of the Marine Strategy Framework Directive and the coastal and transitional monitoring aspects of the Water Framework Directive. The programme of baseline data collection to assist the setting of conservation objectives for marine Natura 2000 sites (Special Areas of Conservation and Special Protection Areas) was completed in 2012. This allowed for further progress in carrying out Appropriate Assessments of fisheries and aquaculture activities that may impact on the conservation objectives of these sites, allowing the resolution of some of the licensing issues that have arisen following a European Commission judgement that Ireland had failed to meet its obligations under the Birds and Habitats Directives.

A robust quality system accredited by the Irish National Accreditation Board underpins the delivery of many of these food safety and environmental programmes. The scope of accreditation for quality standard ISO 17025 was maintained in 2012 and two additional test methods were awarded accreditation, bringing the total number to 36.

The provision of scientific advice and support was a key element in the 2012 work programme including those for foreshore leases and licences, aquaculture licences, disposal of dredge spoil at sea, support for the Marine Coordination Group Enablers Task Force, and aquaculture Single Bay Management.

A collaborative approach is a key feature of all the work outlined above, which is carried out with the Department of Agriculture, Food and the Marine (DAFM), the Food Safety Authority of Ireland (FSAI), the Sea Fisheries Protection Authority (SFPA), the Department of Environment, Community and Local Government (DECLG); the Environmental Protection Agency (EPA), the National Parks and Wildlife Service (NPWS) and a number of other government departments and agencies.

Finally, research programmes, in support of the above statutory and international obligations such as reporting under various EU Directives, OSPAR, and International Council for the Exploration of the Seas (ICES) continues to be a core component of the work of MEFS at the Institute. Some of the main outputs include publications in peer-reviewed journals and a variety of reports. These included publications on a wide range of marine related issues such as food safety, fish health, spatial planning and environmental status and sea lice control.

Mrs Caroline Bocquel

Acting Director: Marine Environment and Food Safety Services

Advice

In 2012, MEFS staff, in collaboration with colleagues from Fisheries Ecosystems Advisory Services, oversaw the completion of the collection of baseline data in marine Natura 2000 sites. This baseline data is provided to NPWS to allow the setting of conservation objectives for these sites, which, in turn, feed into the process of Appropriate Assessments of fisheries and aquaculture activities. Further progress towards the completion of additional Appropriate Assessments was made in 2012.

Following the award of a contract by the Institute in late 2011, on behalf of DECLG, during 2012 the Marine Strategy Framework Directive work focused on the provision of expert advice to the external contractors to assist in the initial assessment of the environmental status of Irish marine waters, determination of Good Environmental Status, the establishment of environmental targets and associated indicators, and the development of a digital Marine Atlas.

The Shellfish Safety team continued to provide advice on the food safety of shellfish to the SFPA and FSAI for ongoing official controls under the monitoring programmes for shellfish biotoxins and microbiological classification in our role as National Reference Laboratory for both of these areas.

The 2012 Single Bay Management process designed to coordinate husbandry practices in such a way that best practice is followed and that stocking, fallowing and treatment regimes on individual farms are compatible with the arrangements on neighbouring farms was completed in all active finfish farming bays. The Single Bay Management process has proved very effective in controlling sea lice and in reducing the overall incidence of disease in the stocks. Ten Single Bay Management documents, including active fallow plans, were updated for all finfish aquaculture operators along the coast in 2012.

Other areas in which MEFS staff provided advice during 2012 included:

- > Advice to the EPA on issues related to the disposal of dredge spoil at sea by way of participation on the Agency's Dumping at Sea Advisory Committee;
- > Advice to DECLG on applications for Foreshore Leases and Licenses by way of participation on the Department's Marine License Vetting Committee; and
- > Advice to Department of Agriculture, Food and Marine on applications for Aquaculture Licences.

Finally, the MEFS team have also continued to contribute to the work of the OSPAR Convention and ICES, and to provide advice to the Department of Communications Energy and Natural Resources and the EPA, on certain environmental aspects of offshore hydrocarbon exploration and production.

Monitoring

2012 marked the first full year in which chemical analyses were exclusively used in carrying out the National Biotoxin Monitoring Programme. Two additional analytical methods were accredited to facilitate the move away from bioassays. These new analytical tests cover a wider range of regulated marine toxins and facilitate faster turnaround times. Very high concentrations of the shellfish toxin Azaspiracid were recorded in farmed shellfish during the summer months leading to extensive and protracted closure of sites in the southwest.

An extensive bloom of the fish killing phytoplankton *Karenia mikimotoi* was detected along the North West from Mayo to Donegal and at lower concentrations along the rest of the West coast during July and August with considerable impact on coastal marine life and farmed shellfish in these areas. The bloom was extremely dense, with reports of discoloured red or brown water in some areas and several locations also reported dead marine life washing up on the shoreline.

The MEFS team working in the National Residues Monitoring Programme reported a further year with full compliance for the fish farming industry, and advice was provided to the FSAI and the SFPA on the levels of contaminants in seafood.

The National Sea Lice Monitoring Programme carried out 254 sea lice inspections on 23 active salmonid (salmon and trout) rearing sites during 2012, in accordance with the national sea lice monitoring protocol (*Monitoring Protocol No.3 for Offshore Finfish Farms – Sea Lice Monitoring and Control, Department of Marine and Natural Resources (2000)*). Monthly reports on the monitoring results were circulated to interested parties and all the 2012 data was published in an annual report.

On behalf of the EPA and DECLG, an extensive environmental monitoring programme was implemented during 2012 for physico-chemical parameters, priority substances, phytoplankton and benthic fauna in transitional and coastal waters to fulfil the requirements of the Shellfish Waters Directive (Dir 2006/113/EC) and Water Framework Directive (Dir. 2000/60/EC).

In 2012, over 3,000 finfish (primarily Salmon, but also Carp, Rainbow Trout, Arctic Char, Pike and other coarse fish) were tested for pathogens either under health surveillance programmes following the submission of diagnostic samples to the laboratory, or as a result of screening tests carried out for the aquaculture industry. Ireland remains free of listed finfish diseases (*Under Directive 2006/88/EC and also those included*

under Commission Decision 2010/221/EU). Over 9,000 molluscs and crustaceans were also tested for the presence of disease, which primarily addressed the surveillance of the herpes virus (OsHV-1 μ var) in Pacific oysters. The virus was detected in a further three bays, bringing the total of positive bays in Ireland to 26. The entire coastline, with the exception of eight bays, is considered free from .

Competent Authority for Fish Health

In addition to the fish health laboratory services, encompassing the NRLs for diseases of fish, molluscs and crustacean, the Fish Health Unit is the Competent Authority in relation to the implementation of Council Directive 2006/88/EC ('The Fish Health Directive'). The Competent Authority section directs the work of the DAFM Veterinary Inspectors who work in the aquaculture field. In 2012, 319 inspections were completed under the legislation; 1,800 movements (imports, exports and internal movements) of live aquatic animals were authorised; and 13 new Fish Health Authorisations were issued, bringing the total number of authorised Aquaculture Production Businesses in the country to 417.

Research

MEFS carry out applied research in support of the delivery of monitoring programmes and to inform and direct future regulatory requirements. A number of multi-annual projects, with a range of national and international research partners, were ongoing or nearing completion during 2012 including:

- > *Biological Effects* – combining biological effects with chemical analysis to provide more effective assessment of pollution in Irish waters.
- > *GilPat and AquaPlan* – both of which address fish health issues relating to the Irish finfish aquaculture sector.
- > *Prevent Escape* (EU FP7-7th Framework Programme) – which is seeking to quantify the level and impact of escapes from farmed finfish sites and to develop strategies for their reduction.
- > *Bivalife* (FP7 funded) – the objectives of which are to provide innovative knowledge related to pathogens infecting oysters and mussels and to develop practical approaches for the control of infectious diseases affecting these animals.
- > *ASTOX II* – provided further answers regarding the toxicology of this shellfish toxins and a research cruise along the southern and western coasts in August for the first time used molecular methods to map the distribution of the causative species in coastal waters.
- > *ASIMUTH* (FP7 funded) – developed forecasting products using physical models, satellite and data to provide early warning of blooms to allow fish and shellfish farmers to modify their culture and harvesting strategies in order to reduce potential losses.
- > A range of other projects, at MSc and PhD level, in shellfish microbiology, marine chemistry and fish health.

The Marine Institute continues to support Ireland's National Marine Biotechnology Programme, in particular through the provision of laboratory facilities for research projects being carried out by the National University of Ireland Galway under the Beaufort Marine Biodiscovery award.

Fisheries Ecosystems Advisory Services



Director's Statement

Scientific support that meets the needs of the Institutes major clients and stakeholders was a central element of the Fisheries Ecosystems Advisory Services (FEAS) work programme in 2012. Supporting the Department of Agriculture, Food and Marine (DAFM) at various EU meetings and the timely production of the annual Stock Book were key to Ireland's negotiations

with the EU on sustainable fishing opportunities for the Irish fleet. Regular meetings of the Irish Fisheries Science Research Partnership (IFSRRP) continued and identified the need for new prawn surveys. The results from these surveys provide essential information in managing the Irish Nephrops quotas. Regular meetings were also held with the Irish Environmental NGO's. Negotiations on the reform of the Common Fisheries Policy continued throughout 2012 and FEAS supported DAFM at many meetings particularly in relation to the discard ban and the new Data Collection Multi Annual Plan. FEAS secured €2.88m in EU funding for the Data Collection Framework (DCF) which supported the extensive port, sea sampling and research vessel survey programmes. FEAS continued its work on developing fisheries management plans for NATURA sites. A new survey Atlas was produced which outlined the distribution and abundance of fish species from the Irish Groundfish programme (2005 to 2011). These data were also used in the Irish fish biodiversity assessment for the Marine Strategy Framework Directive. A considerable amount of time was devoted to working with the Marine Institute team on developing *Harnessing our Ocean Wealth – An Integrated Marine Plan for Ireland*. Against the background of a challenging economic climate, FEAS continued to source additional EU funds in order to strengthen scientific service delivery and add value to existing data assets.

Dr. Paul Connolly

Director: Fisheries Ecosystems Advisory Services

The Data Collection Framework

The Marine Institute is charged by DAFM to carry out Ireland's work programmes in relation to national obligations under the Data Collection Framework (DCF; EU Council Regulation 199/2008). The DCF supports the data collection, data management and scientific advice needed to conduct the Common Fisheries Policy. The 2012 work programme included a comprehensive research vessel survey programme, port sampling of landings, sea sampling of discards, age profile of the fisheries resource, analyses of EU Logbook and Vessel Monitoring Systems (VMS) data. A total of 175 sea sampling observer trips were carried out on Irish fishing vessels resulting in 8,349 scientist sea days. These observer trips provide FEAS with invaluable "on the ground" contact with industry. The data collected are the raw material used to assess the resource and develop scientific advice to ensure its sustainable exploitation. Over 400,000 fish were measured and 43,000 aged to provide the data for stock assessment models. The Marine Institute worked very closely with BIM in delivering the 2012 Irish National Programme for the DCF.

Research Vessel Surveys

A considerable amount of FEAS financial and staff resources are deployed to deliver the DCF research vessel survey programme. A total of twelve fishery surveys were conducted on the RV *Celtic Explorer*, RV *Celtic Voyager* and chartered commercial vessels in the waters off Ireland. The survey cruises totalled 190 sea days and 1,237 scientist days were undertaken on a broad range of surveys including the blue whiting, boarfish and herring acoustic surveys, underwater TV surveys of Nephrops stocks and the Irish groundfish survey. These surveys were all internationally co-ordinated through the International Council for the Exploration of the Seas (ICES) and involved strong international collaborations with Norway, UK, Netherlands, France, Spain and Germany. The data were used in international stock assessments that informed scientific advice on fishing opportunities for 2013.

Stakeholder Interaction

Regular meetings with stakeholders continue to be a key element of FEAS work. Much energy was devoted to working with industry through the Regional Advisory Councils and the Irish Fisheries Science Partnership. The major issues addressed included development of various Management Plans (e.g. Celtic Sea Herring), proposed management for the Nephrops Porcupine Grounds, and undertaking additional trawl surveys on chartered commercial vessels. This latter survey was used to supplement data for advice on the state of the Porcupine Nephrops stocks. Quarterly meetings were held with the environmental NGO's (Irish Environmental Pillar) to discuss the latest scientific advice. FEAS supported Department of Communications, Energy and Natural Resources and Inland Fisheries Ireland at the national consultations with eel stakeholders, giving presentations in Clonmel, Athlone, Carrick on Shannon and in the Oireachtas.

Scientific Advice

The Stock Book provides all the latest scientific advice on those stocks of interest to Ireland that comes under the remit of the Common Fisheries Policy. The book was delivered to DAFM and will form a very important part of the negotiations with the EU on fishing opportunities for the Irish fleet in 2013. It also forms the basis of the annual sustainability statement on fish stocks made by the Minister to the Dail. FEAS scientists participated in over 50 international scientific expert groups meetings at ICES and the Scientific, Technical and Economic Committee for Fisheries.

A broad range of scientific issues were addressed at these meetings relating to the provision of scientific advice to support the Common Fisheries Policy. FEAS scientists chaired key scientific groups including: planning for Maximum Sustainable Yield; using research vessel surveys for ecosystem indicators; Herring advice; elasmobranch advice; Eel advice; using research vessel surveys in assessment and advice; pelagic ecosystem surveys and the use of VMS data in advice. Work on the inshore fisheries, salmon and eel resources also formed a considerable part of the programmes for 2012. Work continued with BIM, National Park Wildlife Service, Department of Environment, Community and Local Government and DAFM on developing fisheries measures for NATURA sites that meet our obligations under the EU Birds and Habitats Directive. A report on the status and management of native oyster fisheries in Ireland was also completed. FEAS developed a new approach to the provision of salmon catch advice for 2013 which incorporates an enhanced risk analysis of forecasts of salmon abundance. Salmon and eel advice was developed in cooperation with Inland Fisheries Ireland and the Standing Scientific Committees for Salmon and Eel. The eel and salmon Standing Scientific Committees were chaired by FEAS personnel.

Newport Facility

The FEAS staff at Newport continued their work on the maintenance and development of long term physical, chemical and biological datasets characterising the freshwater component of the Burrishoole ecosystem. While the fish traps in Burrishoole underwent considerable upgrade in 2012, the census work on salmon, sea trout, eel, the juvenile catchment programme and associated stock dynamics continued (see Appendix). The GLEON (Global Lake Ecological Observatory Network) conference was held in Newport with over 130 international scientists participating. A presentation was made at the World Fisheries Congress on the fifty year analysis of silver eel in Burrishoole. Five PhD's were completed in 2012 which were either based in Newport or used material and data collected in Burrishoole. A new PhD project, in collaboration with Norway and the Loughs Agency in Northern Ireland commenced in 2012 and will examine the factors affecting the ecology of salmon at sea. The University College, Cork Beaufort Genetics project continued its work at Newport and produced many publications in peer reviewed journals.

Applied Research

Participation in applied research projects is critical to the evolution of scientific advice. The Beaufort Ecosystem Project continued to forge strong links with the third level sector on a broad range of projects that include fisheries-seal interactions, marine birds, size based modelling and stakeholder engagement. FEAS are also co-supervising a range of research projects with a number of Irish universities. Our strong link with the third level sector continued through jointly supervised PhD projects. These projects focused on the biology of Black Scabbard, Nephrops modelling, discard modelling, capturing the tacit knowledge of fishermen for use in stock assessment, data integration methods and signal detection from data sets. FEAS are also engaged in a number of EU funded projects including DEEPFISHMAN (managing the Deep Water Ecosystem); BENTHIS (Benthic ecosystem fisheries impact study); SOCIOEC (Socio-economic effects of management measures of the future Common Fisheries Policy) and MYFISH (Maximising yields of fisheries while balancing ecosystem, economic and social concerns). The Newport facility supported a wide variety of research including STIMULUS, STRIVE and PhD projects on lake dynamics, predation, fish morphology and genetics. The FEAS applied research work is built on the concept of sustainable development and on delivering the new type of ecosystem advice that will be required in the near future. The results from many of the projects were published in peer reviewed scientific journals (see Appendix 4).



As part of the silver eel survey at the Marine Institute in Newport, every eel migrating downstream is counted and a large number are sampled

“Scientific support that meets the needs of the Institutes major clients and stakeholders was a central element of the Fisheries Ecosystems Advisory Services.”



Dr Peter Heffernan presents the Marine Institute's Atlas of Irish Groundfish Trawl Surveys Report to Simon Coveney TD, Minister for Agriculture, Food and the Marine

Ocean Science and Information Services



Director's Statement

During 2012 Ocean Science and Information Services (OSIS) carried out significant work in each of the service areas of oceanography, seabed mapping, research vessel operations, information services, ocean energy and advanced marine technology. OSIS supports considerable national and international research, technology development and innovation, as well as monitoring activities from field acquisition through the generation of complex data products and services.

OSIS participated in a range of national, European and international programmes which improves our capacity to provide support services to the demands of integrated science programmes which inform cross-sectoral policy advice. Recognising the increasing requirement for an integrated approach to marine RTDI, OSIS endeavours to provide end to end solutions to clients. OSIS also contributed to strategic thinking at national and international level contributing to a range of initiatives including *Harnessing Our Ocean Wealth – An Integrated Marine Plan for Ireland* and the EU strategy on the Atlantic.

Mr. Michael Gillooly

Director: Ocean Science and Information Services

Research Vessel Operations

Research Vessel Operations (RVOps) mission is to coordinate and manage the operation of the Marine Institute's two research vessels, the RV *Celtic Voyager*, the RV *Celtic Explorer* and the deep-water remotely operated vehicle ROV *Holland I*. They provide support services to the users of the vessels, including instrumentation and engineering support services and extremely flexible operations.

Refits of both vessels were completed in 2012. The RV *Celtic Voyager* underwent a five year refit in Mooney Boats in Killybegs from 4th to 28th of January. The refit which included a full repaint of the vessel and an engine and generator rebuild was completed to a very high standard within the assigned period. The RV *Celtic Explorer* entered dry dock in Milford Haven UK to complete its five year special refit on the 30th of January. This major overhaul was completed ahead of schedule on the 20th of February.

Following their respective refits, intensive survey programs were completed on both research vessels with the RV *Celtic Explorer* completing sixteen surveys totalling 291 science days and the RV *Celtic Voyager* completing a total of twenty-seven surveys comprising 272 science days.

2012 saw the successful completion of the annual fisheries programme which included three acoustic survey programs and the annual Groundfish survey completed using the RV *Celtic Explorer*. The RV *Celtic Voyager* completed thirty days of Underwater TV surveys for *Nephrops* stock assessment including a successful survey of the prawn grounds on the Porcupine Bank at depths down to 540m.

Five external charters were completed on board the RV *Celtic Explorer* in German and UK waters including surveys for BSH (Bundesamt für Seeschifffahrt und Hydrographie – German Federal Maritime and Hydrographic Agency) and University of Ulster which provided a valuable external contribution to the operational budget.

The RV *Celtic Explorer* was chartered for forty-one days in April and May 2012 once again by the Centre for Fisheries and Ecosystems Research of the Marine Institute of Newfoundland for the completion of a fisheries survey which included work on the Flemish Cap and the southern Grand Banks. The survey was preceded by a nine day transit survey of the North Atlantic which was manned by Irish and Canadian scientists and which valuable cetacean and oceanographic data was collected.

The RV *Celtic Explorer* completed the "ECO2@NORTHSEA" Eurofleets funded survey led by Geomar (Germany), during which saw it completed a very intensive survey in the Norwegian and UK sectors of the North Sea using the ROV *KIEL 6000* and a wide range of sampling equipment to study the effects of storage of CO₂ as part of a large scale multiyear and multi-vessel project.

The RV *Celtic Voyager* also completed two hydrographic surveys totalling twenty-five days in support of SEAI Ocean Energy development off the west Clare coast.

Researchers from National University Ireland, Maynooth (NUI Maynooth) completed the "Gateways" survey in the Celtic Sea which was a geological survey funded under the NDP shiptime fund.

The RV *Celtic Voyager* was also provided to University of Liverpool under the Eurofleets Transnational Access Program to complete the AmSedis survey in the Irish Sea. This successful survey studied large sediment wave in the Irish Sea using a variety of techniques including grabs and corers and seismic equipment.

Other notable RV *Celtic Voyager* activities included successful Science@Sea training programs led by the SMART team and university lead training programs.

The ROV *Holland I* completed a successful survey season in 2012 and was mobilised for two science surveys totalling fifty-three survey days. The ROV was mobilised onto the RRV *James Cook* for a successful thirty-five day survey in UK, Irish and International waters entitled “The Changing Oceans Expedition”.

Foreign Vessel Observer Scheme 2012

In 2012, the Marine Institute placed ten Irish observers onboard foreign vessels conducting research surveys in our waters. The total number of days spent by observers at sea was 238 with the surveys varying in length from forty-six days to just eight days. The average duration of the surveys was 23 days. Seven of the observers participated onboard British surveys and the others participated in Belgian, Dutch and Norwegian surveys.

Advanced Mapping Services

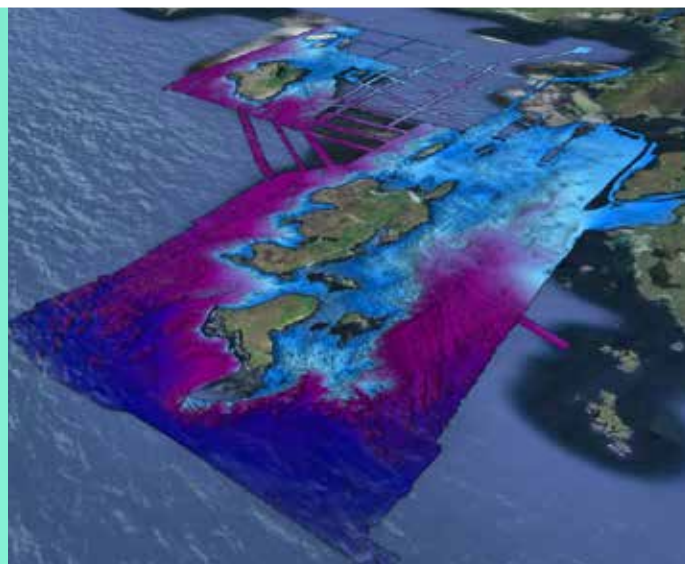
During 2012 the Advanced Mapping Services (AMS) team undertook INFOMAR data acquisition off the South and South East coast onboard the RV *Celtic Voyager* progressing coverage in the respective priority areas

A very successful program of survey activity was completed under the INFOMAR program comprising a total of 78 days survey on the RV *Celtic Voyager* including extensive bathymetric surveys of the Irish Sea as well as surveys off the south coast.

Significant additional data acquisition was undertaken as part of the Value Added Exploitation Programme including: Two areas of survey activity were undertaken during 2012 onboard the RV *Celtic Voyager* for Sustainable Energy Authority Ireland (SEAI), to underpin the development of the marine renewable sector offshore Ireland. An extension to the Galway Bay Test Site cable route survey carried out in 2011 was undertaken to facilitate a revised route for the proposed cable installation, landing in Spiddal, County Galway. During March and September 2012, survey work was undertaken offshore west Clare, in a priority area defined by the Marine Renewables Industry Association (MRIA) in consultation with SEAI.

AMS coordinated the Deep Sea Fish Farming site investigation survey carried out onboard the GSI's inshore survey vessel RV *Keary* at Inis Turk and Inisbofin, Co. Mayo, to provide baseline data for oceanographic modelling and potential site selection.

AMS coordinated INFOMAR's Value Added Exploitation 2012 Quarter One Research Workshop and the Quarter Four Annual Seminar. AMS also exhibited INFOMAR products and outputs at outreach events including Volvo Ocean, Oceanology, ESOF 2012, Sea2Sky, Galway, Science and Technology Festival, and PAD Atlantic Margins. AMS also presented at the MESH Atlantic Workshop, GeoScience Ireland, and the International Conference on Ocean Energy.



INFOMAR coverage at Inisbofin & Inisturk

“OSIS supports considerable national and international research, technology development, and innovation and monitoring activities...”



RV *Celtic Explorer* with Kiel 6000 on the back deck



Ocean Science and Information Services

Oceanographic Services

The oceanographic team serviced over 150 requests for oceanographic data and products during 2012 and continued to provide dedicated field and model data and analysis to the deepwater aquaculture project led by Marine Environment and Food Safety services at the Marine Institute.

The Ocean Science Information Service delivered key elements of the SEAI Ocean Energy service level agreement on time and within budget. This included the development and deployment of a high bandwidth acoustic buoy in Galway Bay, supporting a joint project involving SEAI, Marine Institute, IBM and Galway based SME, Biospheric Engineering Ltd.

OSIS also led a successful application to SFI under its 2012 research infrastructure call which approved a funding contribution towards the build of a fibre optic cable and seabed node and associated equipment which will underpin test and demonstration activities at the quarter scale ocean energy test site and SmartBay in Galway Bay. Significant stakeholder and authority consultation took place throughout 2012 with the aim of submitting foreshore and other applications in early 2013 for infrastructure installation in 2014.

The Malin Head long-term sea surface temperature reference station was upgraded and characterised. The national weather buoy network was supported and maintained on behalf of the Department of Transport, Tourism and Sport (DTTAS). The network performance was also reviewed by DTTAS in 2012 with a favourable outcome and continued funding. Building on the newly developed ocean models for oil spill and biogeochemical applications, a further downscaling to a high resolution shelf model was developed. A tide prediction tool went live on the internet providing marine users with tide forecasts for up to two years ahead. This development of this application was possible due to the continued maintenance of the National Tide Gauge Network. OSIS also provided oceanographic analysis and input to the Marine Strategy Framework Directive initial assessment.

Key elements of the EU funded projects ASIMUTH, JERICO and MyOcean2 were successfully delivered and a novel data acquisition system developed in 2011 is now deployed in Bantry Bay.

OSIS remains active on both the ICES WGOH and EuroGOOS and on the Marine Observations and Data Expert Group of DG Mare. OSIS continued to develop the legal work for a long term partnership on the FP7 European Multidisciplinary Seafloor Observatory (EMSO) project and an interim office was established in Rome. OSIS also participated in the CoOPEUS and SIDERI projects and a wide range of EU and international infrastructure projects.

Information Services & Development (IS&D)

Information Services & Development (IS&D) team continued to provide day-to-day technical support across the Institute servicing over 3,892 requests for support covering technical, applications and data management queries, while servicing in excess of 238 data requests from external parties. IS&D were involved in 83 Strategic Business and Technical Support, Operational and Marine Institute Service Group Support Projects and activities.

A key activity for IS&D in 2012 was the development of the new Marine Institute Information and Communications Technologies (ICT) Strategy (2013–2015) which outlines a concise set of high-level objectives and actions taking into account organisational objectives, technological development and Government policy to ensure a focused use of resources for the strategic development of the Institute's ICT infrastructure and services over the next three years.

During 2012, services to Marine Institute infrastructure by the IT Operations team included a major upgrade to the telephony system, the completion of the anti-virus environment migration from McAfee to Sophos; the implementation of mobile device management software allowing non-Blackberry devices to be used, and support for the deployment of SCS data acquisition software on the vessels. Improved processes for managed software licensing have also been implemented.

To facilitate better access to Marine Institute data the Online Data Download Portal was developed by the Data Management team and will provide an easy to use access point for downloading Marine Institute data, reducing the manual effort to satisfy data requests and providing a much more responsive service to end users. The system allows diverse complex datasets to be easily accessed from a single online location.

Data management support was also provided for the Data Collective Framework, INFOMAR and Marine Strategy Framework Directive programmes, including hosting of the Ocean Energy SEA data, for Aquaculture Foreshore licensing. This included further development and support of the online decision support application, and to assist with the setup and relocation of the new SmartBay team and infrastructure. This service has ensured that data for the above programmes is being well managed.

There was also ongoing development work on data systems for tidal, wave and fisheries data, and both chemistry and Harmful Algal Blooms (HABs) reporting services have been extended to provide more efficient access to data.

Other data-related activity included: support for EU FP7 funded ENVIRO-FI Future-Internet project with partners InTune Networks which has showcased the Institute's data services; participation in the SeaDataNet II European data infrastructure project; the Irish Spatial

Data Infrastructure Working Group; and a joint pilot with Department of Environment, Community and Local Government to determine the roadmap for the Irish implementation of the INSPIRE directive.

In the Applications Development area an extensive technical evaluation has been carried out to select an appropriate technology for the Marine Institute's new website. This work will be expanded in 2013 to develop website templates and provide technical support for the new website. During 2012 the Application Development team also further developed the Fish Health Directive Movements and Inspections applications and the RVOps Survey Planning System. Technical support was also provided to assist with the deployment of the new MEFS quality document management system, and the *Harnessing Our Ocean Wealth – An Integrated Marine Plan* and Maritime Careers website.

Advanced Technology Programme

The Programme has delivered capacity development in marine technology through support of national initiatives including:

- > Beaufort Award in Marine Sensing and Communications Technology Dublin City University (<http://www.mestech.org/projects/beaufort-marine-research-awards.html>)
- > International SmartOcean Graduate Enterprise Initiative (industry co-funded graduate research) under the IRCSET EPS (Dublin City University, University College Cork, NUI Galway, NUI Maynooth, University of Limerick).
- > A key goal of the programme involves supporting the development of a national multi-disciplinary innovation cluster at the interface of the ICT and marine sectors – SmartOcean.
- > The Institute's delivery of technical and ICT support services to the SmartBay programme, which engaged in a broad range of marine technology research and development including sensor development, communications testing and data analytics. SmartBay is the National Research, Test and Demonstration Facility for marine ICT. Increasing demand and interest in marine ICT led to the establishment of a Not for Profit company called SmartBay Ireland Ltd in 2012. SmartBay (www.smartbay.ie) is funded under the Programme for Research in Third-Level Institutions.
- > The 3rd Annual SmartOcean Workshop was hosted by the Marine Institute on 2nd and 3rd July 2012. Day two of the workshop consisted of a SmartOcean Innovation Exchange, which recognised selected participating companies in the form of sponsorships by Multinational Companies, which are members of the SmartOcean Cluster.
- > The Advanced Technology team also profiled Ireland's National Capacity in Marine ICT at a number of national and international events including organization of an Irish pavilion at Oceanology 2012 in London and a wide range of EU and other national and international meetings.



Mr Paul Gaughan Showcases Ireland's Marine Technology at Oceanology International Exhibition in London

“A tide prediction tool went live on the internet providing marine users with tide forecasts for up to two years ahead.”



General Administration

Liaison

The programme of the Marine Institute covers a wide range of activities that require close liaison and cooperation with many individuals and organisations. These include the Department of Agriculture, Food and the Marine, the Department of Finance and other government departments and state agencies, private enterprise and the higher education sector. The Institute acknowledges the continued support and cooperation of all concerned.

Health and Safety

In accordance with the Health and Safety and Welfare Act (1989), the Marine Institute has up-dated all Health and Safety Statements. The Institute continues to implement appropriate measures to protect the safety and health of all employees and visitors to its premises.

Ethics and Public Office Act

All persons holding a designated position within the Marine Institute provide a statement of interests to the Public Office Commission in accordance with sections 18 and 20 of the Ethics in Public Office Act, 1995.

Employment Equality

The Marine Institute is committed to a policy of equal opportunity and adopts a proactive approach to equality. The Institute operates a number of schemes that provide staff with options in relation to meeting their career and personal needs, such as job sharing, study leave and educational programmes.

Code of Practice (Reporting)

The Marine Institute adheres to the statutory Codes of Practice for Governance of State Bodies as laid down by the Department of Finance. The Institute can confirm that Directors and employees have adopted and are trained on:

- > Formal code of conduct on conflict of interest and customer charter
- > Properly constituted Audit Committees
- > Procurement procedures
- > Sensitive Issues

Energy Efficiency Reporting by Public Sector Bodies (S.I. 542 of 2009)

Overview of Energy Usage in 2012

The main energy users at the Marine Institute are the Headquarters based in Rinville, Oranmore. The state of the art facility was built by the Office of Public Works and has numerous energy saving installations throughout the building such as energy saving light fittings and motion detector lighting, heat reflective glass, natural ventilation and under floor heating.

The main energy consumption is through the LPG heating and electrical consumption for the air handling units in the 55 on site laboratories and lighting services.

In 2012, Marine Institute consumed 6,545,359 kWh of energy, consisting of:

- > 3,323,234 kWh of Electricity
- > 3,315,125 kWh of LPG

Actions Undertaken in 2012

The Marine Institute is committed to improving energy performance and energy efficiencies. It continued to engage with the SEAI Energy Efficiency Management e-MAP Programme with the objective of developing an energy efficiency strategy to assist in setting energy performance indicators and energy reduction targets, avoid energy wastage, and reduce emissions to the environment.

In 2012, the Institute continued with a number of energy management initiatives including:

- > raising awareness about energy use and the need for reduction
- > the installation of radiator temperature controls in offices and laboratories
- > reprogramming of light sensors to ensure optimum performance
- > a monitoring and maintenance programme for cold weather to optimise heating efficiency
- > effectiveness and monitoring of air handling systems to identify areas for possible energy reduction

Actions Planned for 2013

The Marine Institute will publish an Energy Efficiency Policy and will establish an Energy Group to implement the policy, with the aim of reducing energy costs and our carbon footprint. The Institute intends to establish and maintain a Register of Opportunities for energy reduction, to which all employees can contribute energy saving ideas. Actions identified in the Energy Efficiency Assessment report will be addressed and a staff awareness campaign to highlight the need for energy efficiency and energy efficient operating practices in all areas of Marine Institute activity will be initiated to all employees.

Scéim Gaeilge 2012 Update

The Marine Institute Irish Language scheme, “Scéim Gaeilge” came about as a result of the Marine Institutes obligation as a State Agency to provide a bilingual public service, as outlined in the Official Languages Act 2003, and also in the Irish Constitution Article 8.

The Scéim Gaeilge expired July 2012, in which the Final Audit of the Scéim Gaeilge July 2009 – July 2012 was conducted in September 2012 by a member of the Irish language Commissioners Office. A summary of the overall findings of that Audit is as follows:

- > Based on the information provided throughout the process it is clear that the Scéim Gaeilge has been implemented within the Marine Institute and excellent progress was made during the life time of the scheme in providing services in Irish.
- > The Audit demonstrated that obligations in relation to the website, press releases, information leaflets, Irish place names and Irish language training were all achieved.
- > Additional materials were developed in Irish, throughout the life time of the scheme. In particular, credit is given for the development of educational materials for schools which was made available in Irish.



“The Scéim Gaeilge has been implemented within the Marine Institute and excellent progress was made during the life time of the scheme in providing services in Irish.”



Appendices

APPENDIX 1 – NDP MARINE RESEARCH PROGRAMME 2007–2013 SHIP-TIME PROGRAMME AWARDS 2012

NDP MARINE RESEARCH PROGRAMME 2007–2013 – SHIP-TIME PROGRAMME 2012

Sea Change Research Measure	Sea Change Research Programme	Project Type	Project Reference	Project Title	Grantee / Lead	Total Grant-Aid
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12003	Galway Bay Undergraduate Training	National University of Ireland, Galway	€80,000
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12019	SMART: Applied Marine Biological Sampling & Data Collection	Galway-Mayo Institute of Technology	€48,000
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12020	SMART Science at Sea: Multidisciplinary Ship-Based Training for Students of Marine-related Sciences	Galway-Mayo Institute of Technology	€72,000
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12021	SMART: Common Blended Learning Module	Galway-Mayo Institute of Technology	€136,000
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12022	MSc Marine Biology – Cork Harbour	University College Cork	€16,000
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12026	SMART: Galway Bay Training (with NUI Galway)	Galway-Mayo Institute of Technology	€48,000
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12027	SMART: HMRC/UCC Student Training	Galway-Mayo Institute of Technology	€24,000
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12030	Undergraduate Shipboard Training in Methods of Oceanographic, Benthic, Megafauna and Fisheries Research	Galway-Mayo Institute of Technology	€56,000
Infrastructure Supporting	Research Vessel Ship-Time	Dedicated Training Programme	CV12031	SMART: GMIT 40th Anniversary Open Day	Galway-Mayo Institute of Technology	€8,000
Infrastructure Supporting	Research Vessel Ship-Time	Integrated Research Survey	CE12001	Climate Change Oceanography, Biogeochemistry & Geology Sections	Marine Institute	€238,000
Infrastructure Supporting	Research Vessel Ship-Time	Integrated Research Survey	CE12003	Cetaceans on the Frontier III	Galway-Mayo Institute of Technology	€255,000
Infrastructure Supporting	Research Vessel Ship-Time	Integrated Research Survey	CE12006	Biodiscovery 2012	National University of Ireland, Galway	€475,000
Infrastructure Supporting	Research Vessel Ship-Time	Integrated Research Survey	CE12012	Smart ROV Testing with Integrated Sensors for Underwater Archaeological Operations	University of Limerick	€153,000
Infrastructure Supporting	Research Vessel Ship-Time	Integrated Research Survey	CV12004	Trophic Effects of Trawling 2012	Galway-Mayo Institute of Technology	€88,000

NDP MARINE RESEARCH PROGRAMME 2007–2013 – SHIP–TIME PROGRAMME 2012

Sea Change Research Measure	Sea Change Research Programme	Project Type	Project Reference	Project Title	Grantee / Lead	Total Grant–Aid
Infrastructure Supporting	Research Vessel Ship–Time	Integrated Research Survey	CV12006	Seabed Geological Investigation Off the South Coast of Ireland and Northern Irish Sea (NSGeo)	University College Cork	€120,000
Infrastructure Supporting	Research Vessel Ship–Time	Integrated Research Survey	CV12008	GATEWAYS 2012	National University of Ireland, Maynooth	€176,000
Infrastructure Supporting	Research Vessel Ship–Time	Integrated Research Survey	CV12016	Enhancing Ireland's Capacity to Forecast Harmful and Toxic Algal Blooms on the Irish Shelf	Marine Institute	€88,000
Infrastructure Supporting	Research Vessel Ship–Time	Integrated Research Survey	CV12023 and CV12024	Sediment Transport Processes on Inverin Bank, Galway Bay	National University of Ireland, Galway	€72,000
Infrastructure Supporting	Research Vessel Ship–Time	Integrated Research Survey	CV12029	Fine Scale Ecosystem Links at Cetacean Hotspots in the Celtic Sea	Galway–Mayo Institute of Technology	€64,000
Infrastructure Supporting	Research Vessel Ship–Time	Integrated Research Survey	CV12002	Nutrients Survey Programme	Marine Institute	€104,000
Infrastructure Supporting	Research Vessel Ship–Time	Other	–	International Conference on Ocean Energy (ICOE 2012)	Marine Institute	€40,000
Infrastructure Supporting	Research Vessel Ship–Time	Other	–	EuroScience Open Forum (ESOF 2012)	Marine Institute	€136,000
TOTAL						€2,497,000

FUNDED RESEARCH PROJECTS 2012

NDP MARINE RESEARCH PROGRAMME 2007–2013: FUNDED PROJECTS 2012

Sea Change Research Measure	Sea Change Research Programme	Project Type	Project Reference	Project Title	Grantee / Lead	Total Grant–Aid
Innovation	Innovation	Networking Awards	Various	Attendance at/Hosting of Marine Conferences, Workshops and Events	Various	€21,779
TOTAL						€21,779

Appendices

APPENDIX 2 – IRISH PARTICIPATION IN EU RTD PROJECTS.

Since the publication of the 2011 review of Irish participation in EU funded marine research projects and marine research related initiatives (ref: New Connections: Exploring Ireland's International Marine Research Relationships: 2007–2010)(www.marine.ie/home/Publications) and the addition of 25 additional projects (Grant-aid >€9.4m) in 2011, 14 new FP7 (grant-aid: € 3.3m) and 12 new INTERREG-IV (Grant-aid: € 2.8m) projects can be added to the Irish total. This results in a total of 150 co-operative projects with grant-aid of over €53m going to the Irish marine research (including research based-SMEs) community over the period 2007–2012. It is clear that EU cooperative and competitive research funding programmes make a major contribution to the dynamism and innovation of the Irish marine research community and supplement research funding secured through national research, development and innovation programmes such as those supported under the National Development Plan (2007–2013).

The Marine Institute is a partner in five (ACRUNET, BENTHIS, COFASP, COOPEUS, GEPETO) of the 26 new projects in 2012, securing grant-aid in excess of €330K.

Details of EU Research Funding opportunities are described on the Marine Institute website (www.marine.ie/home/funding/InternationalFunding/) and a database of EU funded projects can be found at the EurOCEAN Knowledge Gate (www.kg.eurocean.org/).

EU FP7 Projects (2012)

AT-SEA: Advanced Textiles for Open Sea Biomass Cultivation. *OceanFuel Ltd.*

BENTHIS: Benthic Ecosystem Fisheries Impact Study. *Marine Institute.*

BIOEFFECTOR: Resource Preservation by Application of BIOeffectORS in European Crop Production. *BioAtlantis Ltd.*

CITCLOPS: Citizens' observatory for coast and ocean optical monitoring. *CoastWatch.*

COFASP: Cooperation in Fisheries, Aquaculture and Seafood Processing. *Marine Institute.*

COOPEUS: Building a Framework for a Sustainable, Transatlantic Cooperation in the Field of Environmental Research Infrastructures. *Marine Institute.*

ECSAFEFOOD: Priority environmental contaminants in seafood: safety assessment, impact and public perception. *AquaTT Ltd.*

EUROSHELL: Bridging the gap between science and producers to support the European marine mollusc production sector. *University College Cork / Irish Salmon Growers Association Ltd.*

IDREEM: Increasing Industrial Resource Efficiency in European Mariculture. *Daithi O'Murchu Marine Research Station (DOMMRS).*

KILL Spill: Integrated Biotechnological Solutions for Combating Marine Oil Spills. *National University of Ireland, Galway.*

MaCuMBA: Marine Microorganisms: Cultivation Methods for Improving their Biotechnological Applications. *University College Cork / AquaTT Ltd.*

MARLISCO: Marine Litter in Europe Seas: Social Awareness and Co-Responsibility. *University College Cork.*

PharmaSea: Increasing Value and Flow in the Marine Biodiscovery Pipeline. *University College Cork.*

STAGES: Science and Technology Advancing Governance of Good Environmental Status (MSFD). *Aqua TT Ltd.*

INTERREG-IV (2012)

ACCSEAS: Accessibility for Shipping, Efficiency, Advantages and Sustainability. *Commissioners of Irish Lights / Trinity House.*

ACRUNET: A Transitional Approach to Competitiveness and Innovation in the Brown Crab Industry. *Killybegs Fishermans Organisation / Marine Institute / Bord Bia.*

ARCOPOLUS: Maritime Safety / Oil Pollution Response. *National Maritime College.*

ATLANTICPOWER: Training for the Marine Renewable Energy Sector & Identification of New Market Niches. *Galway County Council / Cork Institute of Technology.*

ENERGYMARE: Co-operation on enhanced Renewable Energy production in the Atlantic space. *Limerick Energy Agency / National University of Ireland, Galway.*

GEPETO: Fisheries Management and Transnational Objectives. *Marine Institute.*

HARVEST ATLANTIC: Harnessing all resources valuable to Economies of Seaside territories on the Atlantic. *South West Regional Authority / Cork Institute of Technology.*

IBIS: Integrated Aquatic Resource Management between Ireland Northern Ireland and Scotland. *The Loughs Agency.*

LABELFISH: Atlantic network on genetic control of fish and seafood labelling and Traceability. *Indigo Rock Marine Research Ltd. / University College Dublin / Bord Iascaigh Mhara.*

MARMED: Valorisation of Marine Residues and Sub-products. *National University of Ireland, Galway.*

MARNET: Marine Atlantic Regions Network. *Border Midland and Western (BMW) Assembly / National University of Ireland, Galway.*

NETMAR: Robotic Systems, Sensors and Networking Technologies. *University of Limerick / National Maritime College.*

APPENDIX 3 – MARINE INSTITUTE PUBLICATIONS

Special Reports

Marine Institute (2012). *The Stock Book. Annual Review of Fish Stocks in 2012 with Management Advice for 2013*.
<http://oar.marine.ie/handle/10793/841>

Marine Institute (2012). *Atlas of Irish Groundfish Trawl Surveys: supporting fish stock assessment and new ecosystem advice*. Marine Institute. ISBN 978-1-902895-53-6.
<http://oar.marine.ie/handle/10793/792>

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<http://oar.marine.ie/handle/10793/751>

Marine Institute (2012). *Oceans of Opportunity: A Guide to Marine Careers*. <http://oar.marine.ie/handle/10793/825>

Silke, J. (2012). *Shellfish Biotoxin Analysis: A national report 2011*. Aquaculture and Seafood Ireland Yearbook 2012. Inshore Ireland Publishing Ltd, Athenry, Co. Galway.

Irish Maritime Development Office (2012). *Irish Ports Offshore Renewable Energy Services (IPORES) – A review of Irish ports offshore capability in relation to requirements for the Marine Renewable Energy Industry*. Irish Maritime Development Office. <http://oar.marine.ie/handle/10793/838>

Irish Maritime Development Office (2012). *Review of Port Financial Accounts: Review of Irish Semi-State Port Companies Financial Accounts*. Irish Maritime Development Office.
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O'Donohoe, P., Kane, F., Kelly, S., McDermott, T., Drumm, A., & Jackson, D. (2012). *National Survey of Sea Lice (Lepeophtheirus salmonis Kroyer and Caligus elongatus Nordmann) on Fish Farms in Ireland – 2011*. Irish Fisheries Bulletin No. 40: Marine Institute.
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Brazier, B., Caffery, J.M., Cross, T., & Chapman, D.V. (2012). *A History of common carp Cyprinus carpio (L.) in Ireland: A Review*. Irish Fisheries Investigations No. 25: Marine Institute.
<http://oar.marine.ie/handle/10793/811>

O'Donnell, C., Farrell, E., Saunders, R., & Campbell, A. (2012). *The abundance of boarfish (Capros aper) along the western shelf estimated using hydro-acoustics*. Irish Fisheries Investigations No. 23: Marine Institute. <http://oar.marine.ie/handle/10793/787>

Tully, O., & Clarke, S. (2012). *The Status and Management of Oyster (Ostrea edulis) in Ireland*. Irish Fisheries Investigations No. 24: Marine Institute. <http://oar.marine.ie/handle/10793/828>

Survey Reports

Doyle, J., Lordan, C., Hehir, I., Fee, D., O'Connor, S., Browne, P., & Casserly, J. (2012). *The "Smalls" Nephrops Grounds (FU22) 2012 UWT Survey Report and catch options for 2013*. Marine Institute.
<http://oar.marine.ie/handle/10793/833>

Lordan, C., Doyle, J., Hehir, I., Fee, D., Allsop, C., & O'Neill, R. (2012). *Aran, Galway Bay and Sylene Head Nephrops Grounds (FU17) 2012 UWT Survey Report and catch options for 2013*. Marine Institute.
<http://oar.marine.ie/handle/10793/835>

Lordan, C., Fitzpatrick, R., Doyle, J., Strong, J., & Service, M. (2012). *Western Irish Sea Nephrops Grounds (FU15) 2012 UWT Survey Report and catch options for 2013*. Marine Institute.

Lordan, C., Doyle, J., Dobby, H., Hehir, I., Fee, D., Allsop, C., & O'Neill, R. (2012). *Porcupine Bank Nephrops Grounds (FU16) 2012 UWT Survey Report and catch options for 2013*. Marine Institute.
<http://oar.marine.ie/handle/10793/832>

Nolan, C., O'Donnell, C., Campbell, A., Sullivan, M., & Mullins, E. (2012). *Northwest Herring Acoustic Survey Report 21 June – 11 July, 2012 (No. 2012/04)*. FEAS Survey Series. Marine Institute.
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International Council for the Exploration of the Sea (ICES) Publications

Key to ICES abbreviations:

CM	Conference and Meeting Document
ACOM	Advisory Committee
FTC	Fisheries Technology Committee
LRC	Living Resources Committee
RMC	Resource Management Committee
DFC	Diadromous Fish Committee
WKROUND	A Benchmark Workshop on Roundfish
SCICOM	Science Committee
SSGEF	Steering Group on Ecosystem Function
WGNAS	Working Group North Atlantic Salmon
WGECO	Working Group on Ecosystem Effects of Fishing Activities
WGMHM	Working Group on Marine Habitat Mapping
SSGSUE	Steering Group on Sustainable Use of Ecosystems
WGOH	Working Group on Oceanic Hydrography
CRR	Cooperative Research Report

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APPENDIX 5 – CENSUS DATA FOR THE BURRISHOOLE SYSTEM 2012

Upstream census data for the Burrishoole system, 2012

Species	Salmon Leap Upstream 2012	Mill Race Upstream 2012	Totals Upstream 2012	Totals Upstream 2011	Totals Upstream 2010	Totals Upstream 2009
Wild Grilse	640	31	671	523	686	549
Wild Spring Salmon	17	1	18	50	17	37
Reared Grilse	2124	164	2288	866	861	1453
Wild Sea Trout	34	1	35	18	35	21
Wild Finnock	86	18	104	50	37	117
Wild Brown Trout	47	10	47	87	104	90

Downstream census data for the Burrishoole system, 2012

Species	Salmon Leap Downstream 2012	Mill Race Downstream 2012	Totals Downstream 2012	Totals Downstream 2011	Totals Downstream 2010	Totals Downstream 2009
Wild Salmon Smolt	7081	636	7717	6629	7123	7980
Wild Sea Trout Smolt	586	47	632	620	213	657
Silver Eel	2608	727	3335	1969	2136	2879

APPENDIX 6 – RESEARCH VESSEL PROGRAMME 2012

Days at Sea from 01/01/2012 – 31/12/2012	Days	Surveys	Scientist Days	Student Days
RV Celtic Voyager	272	27	1459	348
RV Celtic Explorer	291	16	3098	697
Total	563	43	4557	1045

Appendices

RV Celtic Voyager Activity 2012

Survey	No. of Days	No. of Scientists	Scientist Days	No. of Students	Student Days	Scientist + Student Days
M2 Weather buoy	2	2	4	0	0	4
Winter monitoring survey	13	6	78	0	0	78
Galway Bay undergraduate training 2012	8	5	40	82	82	122
INFOMAR Trial	2	6	12	0	0	12
Trophic effects of trawling 2012	10	4	40	0	0	40
Hydrographic surveying supporting ocean energy sectoral development	19	7	133	0	0	133
Seabed geological investigation off the south coast of Ireland and northern Irish Sea (NSGeo)	14	7	98	0	0	98
AmSedIS: Amplified sediment waves (Eurofleets)	11	7	77	0	0	77
GATEWAYS 1 2012	22	7	154	0	0	154
INFOMAR 1	23	5	115	0	0	115
Porcupine grounds survey	10	5	50	0	0	50
Galway Bay SMART undergraduate projects	4	2	8	6	8	16
Celtic Sea/Aran Ground UWTV	10	4	40	0	0	40
UCC training	1	6	6	4	4	10
INFOMAR 2	30	5	150	0	0	150
Irish Sea UWTV	10	5	50	0	0	50
Enhancing Ireland's capacity to forecast harmful and toxic algal blooms on the Irish shelf	9	5	45	0	0	45
INFOMAR 3	25	5	125	0	0	125
Sediment transport process	3	4	12	0	0	12
SEAI Clare survey	6	5	30	0	0	30
GMIT 40th anniversary transition year competition	1	2	2	12	12	14
SMART Applied marine biological sampling	4	4	16	18	72	88
Fine scale ecosystem links at cetacean hotspots in the Celtic Sea	7	4	28	0	0	28
Sediment transport processes on Inverin Bank, Galway Bay	3	4	12	0	0	12
Undergraduate shipboard training in methods of oceanographic, benthic, megafauna and fisheries research	5	6	30	50	50	80
SMART Science@Sea multidisciplinary training in marine science	6	4	24	36	36	60
MSc Marine biology University College Cork	2	4	8	12	12	20
SMART Multidisciplinary offshore operations in marine science: A common blended learning module for students of marine science	12	6	72	72	72	144
TOTAL	272	136	1459	292	348	1807

RV Celtic Explorer Activity 2012

Survey	No. of Days	No. of Scientists	Scientist Days	No. of Students	Student Days	Scientist + Student Days
Climate change oceanography, biogeochemistry and geology sections	10	8	80	2	20	100
BSH No. 1	10	9	90	0	0	90
Cetaceans on the frontier III	11	11	121	9	99	220
BHS No. 2	9	7	63	0	0	63
Blue whiting acoustic survey	21	7	147	0	0	147
Biodiscovery and deep-ocean ecosystems	18	6	108	8	144	252
CFER 2012 acoustic fisheries survey	41	9	306	8	272	578
NERC sea level 2012	11	12	132	0	0	132
Northwest herring acoustic survey	21	9	189	0	0	189
ECO2@NorthSea	18	16	288	3	54	342
BSH No. 3	35	11	385	0	0	385
Multi-mode ROV testing with integrated sensors for underwater archaeological operations	7	10	70	6	42	112
Irish Groundfish Survey leg 1	16	14	224	0	0	224
Celtic Sea Herring Acoustic Survey	21	15	315	0	0	315
BSH No. 4	9	15	135	0	0	135
Irish Groundfish Survey Leg 2 and Leg 3	33	25	445	4	66	511
TOTAL	291	184	3098	40	697	3795

Appendices

RV Celtic Voyager Cruise Details 2012

Survey Code	Chief Scientist	Organisation	Description	Start Date	End Date	Number of Days
CV12001	Miss Sheena Fennell	National University of Ireland, Galway	M2 Weather buoy	30/1/2012	31/1/2012	2
CV12002	Dr. Evin McGovern	Marine Institute	Winter monitoring survey	1/2/2012	13/2/2012	13
CV12003	Dr. Rachel Cave	National University of Ireland, Galway	Galway Bay Undergraduate Training 2012	14/2/2012	21/2/2012	8
CV12032	Mr. Kevin Sheehan	Marine Institute	INFOMAR Trial	23/2/2012	24/2/2012	2
CV12004	Dr. Samuel Shephard	Galway Mayo Institute of Technology	Trophic effects of trawling 2012	25/2/2012	15/3/2012	10
CV12005	Mr. Kevin Sheehan	Marine Institute	Hydrographic surveying supporting ocean energy sectoral development	6/3/2012	24/3/2012	19
CV12006	Dr. Boris Dorschel	University College Cork	Seabed geological investigation off the south coast of Ireland and northern Irish Sea (NSGeo)	25/3/2012	7/4/2012	14
CV12007	Mr. Katrien Van Landeghem	University of Liverpool	AmSedIS: Amplified sediment waves (Eurofleets)	9/4/2012	12/5/2012	22
CV12009	Mr. Kevin Sheehan	Marine Institute	INFOMAR 1	14/5/2012	5/6/2012	23
CV12010	Mr. Colm Lordan	Marine Institute	Porcupine grounds survey	8/6/2012	17/6/2012	10
CV12026	Dr. Rachel Cave	National University of Ireland Galway	Galway Bay SMART undergraduate projects	20/6/2012	23/6/2012	4
CV12012	Ms. Jennifer Doyle	Marine Institute	Celtic Sea/Aran Ground UWTV	24/6/2012	3/7/2012	10
CV12027	Dr. Jimmy Murphy	University College Cork	UCC training	6/7/2012	6/7/2012	1
CV12014	Mr Fabio Sacchetti	Marine Institute	INFOMAR 2	9/7/2012	7/8/2012	30
CV12015	Mr Ross Fitzgerald	Marine Institute	Irish Sea UWTV	8/8/2012	17/8/2012	10
CV12016	Mr. Joe Silke	Marine Institute	Enhancing Ireland's capacity to forecast harmful and toxic algal blooms on the Irish shelf	19/8/2012	27/8/2012	9
CV12017	Mr. Kevin Sheehan	Marine Institute	INFOMAR 3	29/8/2012	22/9/2012	25
CV12023	Dr. Garret Duffy	National University of Ireland Galway	Sediment transport processes	24/9/2012	126/9/2012	3
CV12028	Mr. Jim Walsh	Unassigned	SEAI Clare Survey	27/9/2012	2/10/2012	6
CV12031	Dr. Pauhla McGrane	Galway Mayo Institute of Technology	GMIT 40th anniversary transition year competition	7/10/2012	7/10/2013	1
CV12019	Mr. John Boyd	Galway Mayo Institute of Technology	SMART Applied marine biological sampling	11/10/2012	14/10/2012	4
CV12029	Ms. Mareike Volkenandt	Galway Mayo Institute of Technology	Fine scale ecosystem links at cetacean hotspots in the Celtic Sea	21/10/2012	27/10/2012	7
CV12024	Dr. Garret Duffy	National University of Ireland Galway	Sediment transport processes on Inverin Bank, Galway Bay	29/10/2012	31/10/2013	3
CV12030	Dr. Ian O'Connor	Galway Mayo Institute of Technology	Undergraduate shipboard training in methods of oceanographic, benthic, megafunga and fisheries research	1/11/2012	5/11/2012	5
CV12020	Dr. Pauhla McGrane	Galway Mayo Institute of Technology	SMART Science@Sea multidisciplinary training in marine science	7/11/2012	12/11/2012	6
CV12022	Dr. Rob McAllen	University College Cork	MSc Marine biology University College Cork	15/11/2012	16/11/2012	2
CV12021	Dr. Pauhla McGrane	Galway Mayo Institute of Technology	SMART Multidisciplinary offshore operations in marine science: A common blended learning module for students of marine science	17/11/2012	28/11/2012	12

RV Celtic Explorer Cruise Details 2012

Survey Code	Chief Scientist	Organisation	Description	Start Date	End Date	Number of Days
CE12001	Dr. Glen Nolan	Marine Institute	Climate change oceanography, biogeochemistry and geology sections	3/1/2012	12/1/2012	10
CE12002	Dr. Stefan Schmolke	(Germany) Bundesamt für Seeschifffahrt und Hydrographie Survey (BSH)	BSH survey No. 1	17/1/2012	26/1/2012	10
CE12003	Dr. Joanne O'Brien	Galway Mayo Institute of Technology	Cetaceans on the frontier III	24/2/2012	5/3/2012	11
CE12004	Ms. Sieglinde Weigelt	(Germany) Bundesamt für Seeschifffahrt und Hydrographie Survey (BSH)	BSH No. 2	9/3/2012	17/3/2012	9
CE12005	Mr. Ciaran O'Donnell	Marine Institute	Blue whiting acoustic survey	22/3/2012	11/4/2012	21
CE12006	Dr. Louise Allcock	National University of Ireland, Galway	Bio discovery and deep-ocean ecosystems	12/4/2012	29/4/2012	18
CE12007	Dr. George Rose	Newfoundland – Fisheries and Marine Institute of Memorial University	CFER 2012 acoustic fisheries survey	30/4/2012	2/6/2012	34
CE12008	Professor Andrew Cooper	University of Ulster	NERC sea Level 2012	10/6/2012	20/6/2012	11
CE12009	Dr. Cormac Nolan	Marine Institute	Northwest herring acoustic survey	21/6/2012	11/7/2012	21
CE12010	Dr. Peter Linke	(Germany) Bundesamt für Seeschifffahrt und Hydrographie Survey (BSH)	ECO2@NorthSea	20/7/2012	10/9/2012	18
CE12011	Mr. Holger Klein	(Germany) Bundesamt für Seeschifffahrt und Hydrographie Survey (BSH)	BSH No. 3	7/8/2012	10/9/2012	35
CE12012	Dr. Daniel Toal	University of Limerick	Multi-mode ROV testing with integrated sensors for underwater archaeological operations	14/9/2012	20/9/2012	7
CE12013	Mr. Dave Stokes	Marine Institute	Irish groundfish survey leg 1	23/9/2012	8/10/2012	16
CE12014	Mr. Ciaran O'Donnell	Marine Institute	Celtic Sea herring acoustic survey	9/10/2012	29/10/2012	21
CE12015	Dr. Stefan Schmolke	(Germany) Bundesamt für Seeschifffahrt und Hydrographie Survey (BSH)	BSH No. 4	2/11/2012	10/11/2012	9
CE12016	Mr. Hans Gerritsen	Marine Institute	Irish groundfish survey leg 2 and leg 3	15/11/2012	17/12/2012	33

Appendices

APPENDIX 7: FOREIGN MARINE SCIENTIFIC RE- SEARCH ACTIVITIES IN IRISH WATERS IN 2012

Foreign Vessel Activity 2012

Scientist Days Ireland	Scientist Days Foreign
4557	2803

Vessel Name	Country	No. of Days	No. of Scientists	Scientist Days
<i>Benaiah IV</i>	Britain	30	2	60
<i>Scotia</i>	Britain	7	7	49
<i>Fridtjof Nansen</i>	Russia	17	15	255
<i>Tridens</i>	The Netherlands	16	6	96
<i>MS Brennholn</i>	Norway	6	6	36
<i>Scotia</i>	Britain	6	12	72
<i>TBC</i>	Norway	20	5	100
<i>RRS James Cook</i>	Britain	7	30	210
<i>BNS Belgica</i>	Belgium	8	15	120
<i>RRS Discovery</i>	Britain	8	28	224
<i>BNS Belgica</i>	Britain	9	15	135
<i>Thalassa</i>	France	6	14	84
<i>RRS Discovery</i>	Britain	10	20	200
<i>Vizconde De Eza</i>	Spain	28	14	392
<i>Scotia</i>	Britain	7	7	49
<i>Endeavour</i>	Britain	10	7	70
<i>Pelagia</i>	The Netherlands	19	14	266
<i>RRS James Cook</i>	Britain	4	32	128
<i>Christina E</i>	Norway	3	6	18
<i>Thalassa</i>	France	11	15	165
<i>Endeavour</i>	Britain	1	18	18
<i>Scotia</i>	Britain	7	8	56
TOTAL		240	296	2803



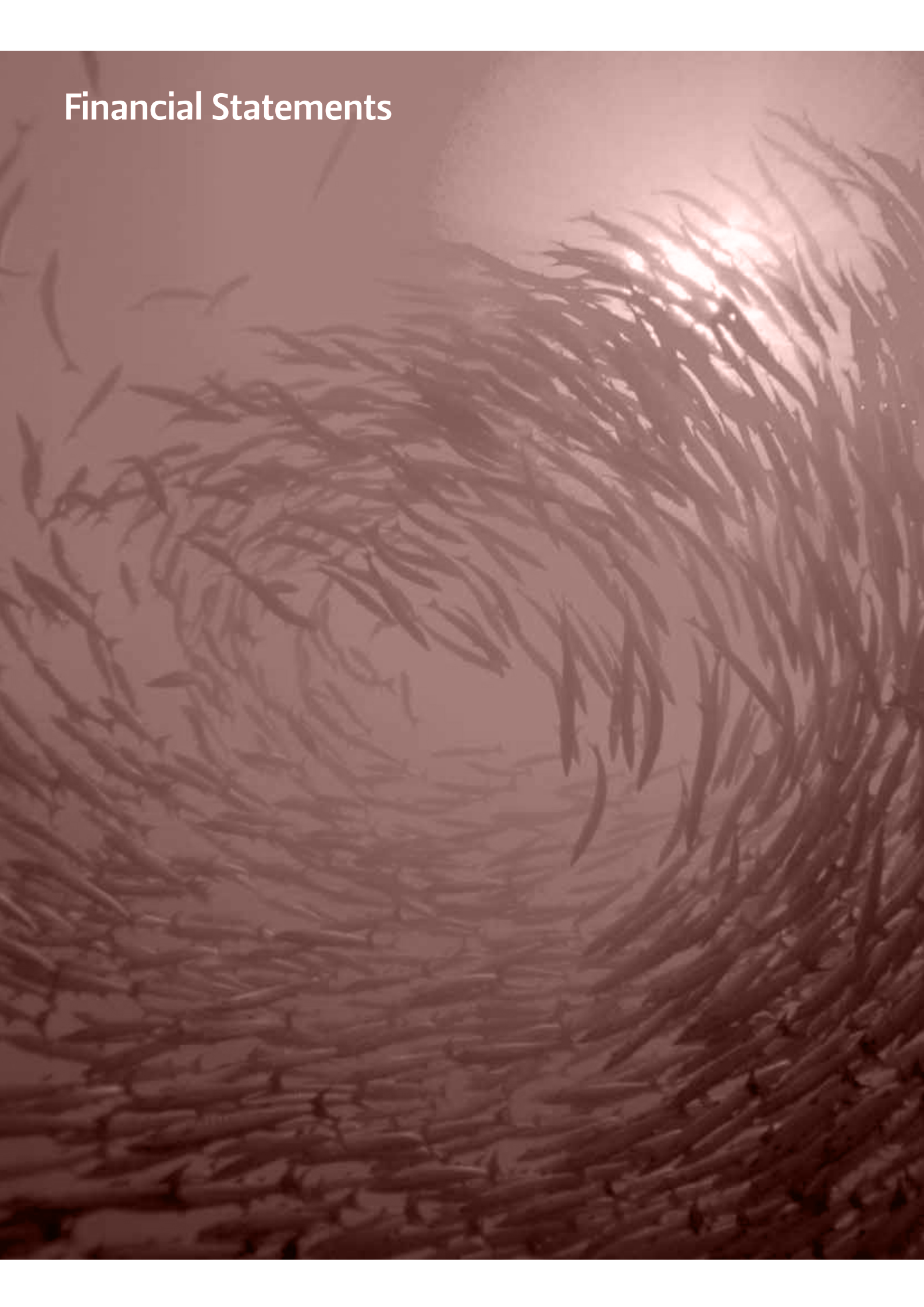
Glossary of Abbreviations

AMS	Advanced Mapping Services	GLEON	Global Lake Ecological Observatory Network
ASIMUTH	Applied simulations and integrated modelling for the understanding of toxic and harmful algal blooms	HABS	Harmful Algal Blooms Service
ASTOX II	Azaspiracids Toxicological Evaluation, Test Methods and Identification of the Source Organism	HEA	Higher Education Authority
BA	Bachelor of the Arts	HEAnet	Ireland's National Education and Research Network
BENTHIS	Benthic Ecosystems Fisheries Impact Study	IBM	International Business Machines Corporation
BIM	Bord Iascaigh Mhara (the Irish Sea Fisheries Board)	ICES	International Council for the Exploration of the Seas
BSc	Bachelor of Science	ICT	Information Communications Technology
BSH	Bundesamt für Seeschifffahrt und Hydrographie – German Federal Maritime and Hydrographic Agency	IDA	Industrial Development Authority
CEO	Chief Executive Officer	IFSRP	Irish Fisheries Research Science Partnership
CoOPEUS	Strengthening the cooperation between the US and the EU in the field of environmental research infrastructures	IMDO	Irish Maritime Development Office
DAFM	Department of Agriculture, Food and Marine	INFOMAR	Integrated Mapping for the Sustainable Development of Ireland's Marine Resources
DCENR	Department of Communications, Energy and Natural Resources	INSPIRE	Infrastructure for Spatial Information in the European Community
DCF	Data Collection Framework	INTERREG	EU Inter-Regional Co-operation Programme
DG	Directorate General (for Research & Innovation)	IPI	Irish Planning Institute
DG Mare	Directorate General for Maritime Affairs and Fisheries	IPORES	Irish Ports Offshore Renewable Energy Services
DECLG	Department of the Environment, Community and Local Government	IRCSET	Irish Research Council for Science, Engineering and Technology
DEEPFISHMAN	Managing the Deep Water Ecosystem	IS&D	Information Services and Development
DTTAS	Department of Transport, Tourism and Sport	IISEAS	Irish Seafarers Educational Assistance Scheme
EMEA	Europe, Middle East, Asia	IT	Information Technology
EMSO	European Multidisciplinary Seafloor Observatory	IUCN	International Union for the Conservation of Nature
ENVIRO-FI	The Environmental Observation Web and its Service Applications within the Future Internet	JERICO	Towards a joint European research infrastructure network for coastal observatories
EPA	Environmental Protection Agency	LPG	Liquid Petroleum Gas
EPS	Enterprise Partnership Scheme	MA	Master of Arts
ERIAB	European Research and Innovation Board	MBA	Master of Business Administration
ESOF	European Science Open Forum	MEFS	Marine Environment and Food Safety Services
ETP	Excellence Through People	MESH	Mapping European Seabed Habitats
EU	European Union	MOU	Memorandum of Understanding
EuroGOOS	European Global Ocean Observing System	MSc	Master of Science
FEAS	Fisheries Ecosystem Advisory Services	MSFD	Marine Strategy Framework Directive
FP7	Seventh Framework Programme	MyFISH	Maximising yields of fisheries while balancing ecosystem, economic and social concerns
FSAI	Food Safety Authority of Ireland	MyOcean2	provides Ocean Monitoring and Forecasting service
GDP	Gross Domestic Product	NATURA	NATURA 2000 sites are protected for flora and fauna of European importance

NDP	National Development Programme
NGO	Non Governmental Organisation
NPWS	National Parks and Wildlife Service
NRL's	National Research Laboratories
NSAI	National Standards Authority Ireland
NUI Galway	National University of Ireland, Galway
NUI Maynooth	National University of Ireland, Maynooth
OSPAR	Oslo and Paris Convention (1992)
OSIS	Ocean Science Services (of the Marine Institute)
PAD	Petroleum Affairs Division
PhD	Doctor of Philosophy
PRTL	Programme for Research in Third Level Institutions
RIAI	The Royal Institute of the Architects of Ireland
RIBA	Royal Institute of British Architects
ROV	Remotely Operated Vehicle
RTD	Research, Technology and Development
RTÉ	Raidió Teilifís Éireann (Radio [and] Television of Ireland)
RV	Research Vessel
RVOps	Research Vessel Operations
SCS	Scientific Computer System
SEAI	Sustainable Energy Authority of Ireland
SFI	Science Foundation Ireland
SFPA	Sea Fisheries Protection Authority
SIDERI	Strengthening International Dimension of Euro-Argo Research Infrastructure
SMART	Strategic Marine Alliance for Research and Training
SMEs	Small to Medium Sized Enterprises
SOCIOEC	Socio-economic effects of management measures of the future Common Fisheries Policy
TAC	Total Allowable Catch
TD	Teachta Dala (Member of the Dail)
TV	Television
UCC	University College Cork
US	United States of America
UK	United Kingdom
VMS	Vessel Monitoring System
WGOH	Working Group on Oceanic Hydrography

* Also see Appendix 2 – Irish Participation in EU RTD Projects, for additional project names and abbreviations

Financial Statements



Report of the Comptroller and Auditor General

For Presentation to the Houses of the Oireachtas

I have audited the financial statements of the Marine Institute for the year ended 31 December 2012 under the Marine Institute Act 1991. The financial statements, which have been prepared under the accounting policies set out therein, comprise the accounting policies, the income and expenditure account, the statement of total recognised gains and losses, the balance sheet, the cash flow statement and the related notes. The financial statements have been prepared in the form prescribed under Section 12 of the Act, and in accordance with generally accepted accounting practice in Ireland.

Responsibilities of the Members of the Board

The Board is responsible for the preparation of the financial statements, for ensuring that they give a true and fair view of the state of the Institute's affairs and of its income and expenditure, and for ensuring the regularity of transactions.

Responsibilities of the Comptroller and Auditor General

My responsibility is to audit the financial statements and report on them in accordance with applicable law.

My audit is conducted by reference to the special considerations which attach to State bodies in relation to their management and operation.

My audit is carried out in accordance with the International Standards on Auditing (UK and Ireland) and in compliance with the Auditing Practices Board's Ethical Standards for Auditors.

Scope of Audit of the Financial Statements

An audit involves obtaining evidence about the amounts and disclosures in the financial statements, sufficient to give reasonable assurance that the financial statements are free from material misstatement, whether caused by fraud or error. This includes an assessment of

- > whether the accounting policies are appropriate to the Institute's circumstances, and have been consistently applied and adequately disclosed
- > the reasonableness of significant accounting estimates made in the preparation of the financial statements, and
- > the overall presentation of the financial statements.

I also seek to obtain evidence about the regularity of financial transactions in the course of audit.

In addition, I read the Institute's annual report to identify material inconsistencies with the audited financial statements. If I become aware of any apparent material misstatements or inconsistencies, I consider the implications for my report.

Opinion on the Financial Statements

In my opinion, the financial statements, which have been properly prepared in accordance with generally accepted accounting practice in Ireland, give a true and fair view of the state of the Institute's affairs at 31 December 2012 and of its income and expenditure for the year then ended.

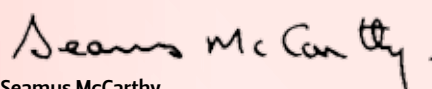
In my opinion, proper books of account have been kept by the Institute. The financial statements are in agreement with the books of account.

Matters on which I report by exception

I report by exception if

- > I have not received all the information and explanations I required for my audit, or
- > my audit noted any material instance where money has not been applied for the purposes intended or where the transactions did not conform to the authorities governing them, or
- > the information given in the Institute's annual report is not consistent with the financial statements, or
- > the statement on internal financial control does not reflect the Institute's compliance with the Code of Practice for the Governance of State Bodies, or
- > I find there are other material matters relating to the manner in which public business has been conducted.

I have nothing to report in regard to those matters upon which reporting is by exception.



Seamus McCarthy

Comptroller and Auditor General

18 April 2014

Statement of Responsibilities of the Board

Section 12 of the Marine Institute Act, 1991, requires the Institute to prepare financial statements in such a form as may be approved by the Minister for Agriculture, Food and the Marine. In preparing those financial statements, the Board of the Institute is required to:

- > Select suitable accounting policies and apply them consistently;
- > Make judgements and estimates that are reasonable and prudent;
- > State whether applicable accounting standards have been followed, subject to any material departures disclosed and explained in the financial statements;

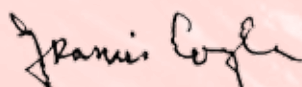
- > Prepare the financial statements on a going concern basis unless it is inappropriate to presume that the Institute will continue in operation.

The Institute is responsible for keeping proper books of account which disclose with reasonable accuracy at any time the financial position of the Institute and which enable it to ensure that the financial statements comply with Section 12(1) of the Act.

The Institute is also responsible for safeguarding its assets and for taking reasonable steps for the prevention and detection of fraud and other irregularities.



Mr John Killeen
Board Member
25 March 2014



Mr Francis Coyle
Board Member
25 March 2014

Statement on Internal Financial Control

On behalf of the Board of the Marine Institute I acknowledge our responsibility for ensuring that an effective system of internal financial control is maintained and operated.

The system can only provide reasonable and not absolute assurance that assets are safeguarded, transactions authorised and properly recorded, and that material errors or irregularities are either prevented or would be detected in a timely period.

The Board has taken steps to ensure an appropriate control environment is in place by:

- > Clearly defining management responsibilities and powers;
- > Establishing formal procedures for monitoring the activities and safeguarding the assets of the organisation;
- > Developing a culture of accountability across all levels of the organisation.

A review of risk management was carried out in 2012 which included:

- > An evaluation of the appropriateness and effectiveness of the existing policy and procedures in identifying and evaluating business risks;
- > The identification of the nature, extent and financial implication of risks facing the body including the extent and categories which it regards as acceptable;
- > The assessment of the likelihood of identified risks occurring;
- > An undertaking to continue working closely with Government and various Agencies to ensure that there is a clear understanding of the Marine Institute's goals and support for the Institute's strategies to achieve those goals.

The system of internal financial control is based on a framework of regular management information, administration procedures including segregation of duties, and a system of delegation and accountability. In particular it includes:

- > A comprehensive budgeting system with an annual budget which is reviewed and agreed by the Board;

- > Regular reviews by the Board of periodic and annual financial reports which indicate financial performance against forecasts;
- > Setting targets to measure financial and other performance;
- > Formal project management disciplines.

The Marine Institute has established an internal audit function that operates in accordance with the Framework Code of Best Practice set out in the Code of Practice on the Governance of State Bodies. The work of internal audit is informed by analysis of the risk to which the body is exposed, and annual internal audit plans are based on this analysis. The analysis of risk and the internal audit plan for 2012 was endorsed by the Audit Committee and approved by the Board. The Audit Committee has received the report of internal audit activity in 2012, and this was presented to the Board. The report included the Internal Auditor's opinion on the adequacy and effectiveness of the system of internal financial control. The Board's monitoring and review of the effectiveness of the system of internal financial control is informed by the work of the internal auditor, the audit committee which oversees the work of the internal auditor, the executive managers within the Marine Institute who have responsibility for the development and maintenance of the financial control framework, and comments made by the Comptroller and Auditor General in his management letter.

The Board reviewed and approved of the effectiveness of the system of internal financial controls in 2012.

On behalf of the Board:



Mr John Killeen
Chairman
25 March 2014

Accounting Policies

Year ended 31 December 2012

1. General

The financial statements have been prepared under the accruals method of accounting, except as stated below, and in accordance with generally accepted accounting principles. Financial reporting standards recommended by the recognised accounting bodies are adopted as they become operative.

2. Income

Income arising from Oireachtas Grant in Aid is recognised on a cash receipts basis.

3. Deferred Income

Income and advance payments received from EU and other contract research projects is treated as deferred income where the research project is ongoing and there is future expenditure to charge against the project. This income is recognised in the accounting period in which the related expenditure is charged. On completion of a project any unutilised balance on the deferred income account for that project is also brought to account as income.

4. Fixed Assets and Depreciation

Depreciation is provided for on a straight line basis at rates estimated to reduce the assets to their realisable value by the end of their expected lives. The rates in use are as follows:

Buildings	2%
Plant and Equipment	25%
Fixtures and Fittings	25%
Computers	33%
Research Vessel	4%
Research Vessel Equipment	25%
Research Vessel Refit	20%
Motor Vehicles	20%
Land is not depreciated	

5. Leased Assets

Payments under operating leases (Note 18) are charged to the income and expenditure account in the year to which they relate.

6. Capital Account

The Capital Account represents the unamortised value of income applied for capital purposes.

7. Foreign Currencies

Monetary assets and liabilities denominated in foreign currencies are translated at the exchange rates ruling at the Balance Sheet date. Revenues and costs are translated at the exchange rates ruling at the dates of the underlying transactions.

8. Marine Research Technology Development Innovation Projects (RTDI)

The Marine Institute enters into commitments in respect of contracts awarded for Marine RTDI projects. Expenditure is charged in the financial statements on the basis of initial payments made on signing of the project contract, an interim payment may be made subject to satisfactory performance and further payments are charged on receipt and verification of claims in respect of work completed. Costs incurred by the Institute in the administration of RTDI projects are funded by the National Development Plan (NDP) and charged to the financial statements as they are incurred.

9. Deferred Funding Asset for Pensions

The Marine Institute operates defined benefit pension schemes which are funded annually on a pay as you go basis from monies available to it, including monies provided by the Department of Agriculture, Food and the Marine.

Pension costs reflect pension benefits earned by employees in the period and are shown net of staff pension contributions which are remitted to the Department of Agriculture, Food and the Marine. An amount corresponding to the pension charge is recognised as income to the extent that it is recoverable, and offset by grants received in the year to discharge pension payments.

Actuarial gains or losses arising on scheme liabilities are reflected in the Statement of Recognised Gains and Losses and a corresponding adjustment is recognised in the amount recoverable from the Department of Agriculture, Food and the Marine.

Pension liabilities represent the present value of future pension payments earned by staff to date. Deferred pension funding represents the corresponding asset to be recovered in future periods from the Department of Agriculture, Food and the Marine.

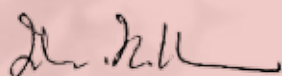
Income and Expenditure Account

Year ended 31 December 2011

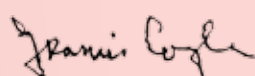
	Note	2012 €'000	2011 €'000
Income			
Oireachtas Grants	2	23,523	25,115
Other Income	3	11,882	11,179
Net Deferred Funding For Pensions	17	2,857	3,184
		38,262	39,478
Transfer (to)/from Capital Account	10	738	2,640
		39,000	42,118
Expenditure			
Corporate Services	4	4,488	4,283
Marine Environment and Food Safety Services	5	7,665	6,349
Fisheries Ecosystem Advisory Services	6	4,815	5,005
Ocean Science and Information Services	7	11,900	12,173
Irish Maritime Development Office	8	895	807
Marine RTDI and SSTI Programme	12	6,772	8,933
Pensions Costs	17	2,878	3,153
Refund to Exchequer	16	270	0
Total Expenditure		39,683	40,703
Surplus/(Deficit) for the year		(683)	1,415
Surplus at 1 January		2,464	1,049
Surplus at 31 December		1,781	2,464
Statement of Total Recognised Gains and Losses			
(Deficit)/Surplus for the year		(683)	1,415
Actuarial Gains/(Losses) on Pension Scheme Liabilities		1,360	3,080
Changes in Assumptions			
Adjustment to Deferred Pension Funding		(1,360)	(3,080)
Total Recognised Gains and Losses for the year		(683)	1,415

The results for the year relate to continuing operations.

The Statement of Accounting Policies and Notes 1 – 22 form part of these financial statements.



Mr John Killeen
Board Member
25 March 2014



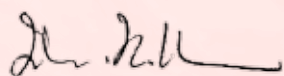
Mr Francis Coyle
Board Member
25 March 2014

Balance Sheet

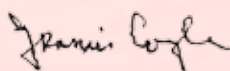
As at 31 December 2012

		2012		2011	
	Note	€'000	€'000	€'000	€'000
Fixed Assets	11		22,552		23,290
Current Assets					
Debtors and Prepayments	14	3,045		6,560	
Banks and Cash		1,211		596	
		4,256		7,156	
Current Liabilities					
Creditors and Accruals	15	2,475		4,692	
Net Current Assets			1,781		2,464
Total Assets Less Current Liabilities before Pensions					
Deferred Pension Funding		27,501		26,004	
Pension Liabilities		(27,501)		(26,004)	
Total Assets less Current Liabilities			24,333		25,754
Financed By:					
Capital Account	10	22,552		23,290	
Income and Expenditure Account		1,781		2,464	
			24,333		25,754

The Statement of Accounting Policies and Notes 1 – 22 form part of these financial statements.



Mr John Killeen
Board Member
25 March 2014



Mr Francis Coyle
Board Member
25 March 2014

Cash Flow Statement

For the Year ended 31 December 2012

Reconciliation of operating surplus/(deficit) to net cash flow from operating activities.

	Note	2012 €'000	2011 €'000
(Deficit)/Surplus per Income and Expenditure Account		(683)	1,415
Interest received		0	0
Transfer to/(from) Capital Account	10	(738)	(2,640)
Depreciation	11	2,906	4,440
(Increase)/Decrease in Debtors and Prepayments	14	3,515	(1,830)
Increase/(Decrease) in Creditors and Accruals	15	(2,217)	7
Net cash inflow from operating activities		2,783	(1,392)

Cash Flow Statement

	Note	2012 €'000	2011 €'000
Net cash inflow from operating activities		2,783	1,392
Returns on investments and servicing of finance			
Interest received		0	0
Net capital expenditure			
Acquisition of fixed assets	11	(2,168)	(1,800)
Increase / (Decrease) in cash		615	(408)

Reconciliation of net cash flow to movement in net funds

	2012 €'000	2011 €'000
Increase / (Decrease) in cash	615	(408)
Net funds at 1 January	596	1,004
Net funds at 31 December	1,211	596

Notes to the Financial Statements

Year Ended 31 December 2012

1. General

The Marine Institute was established on 30 October, 1992 in accordance with the provisions of the Marine Institute Act, 1991,

“to undertake, to co-ordinate, to promote and to assist in marine research and development and to provide such services related to marine research and development, that in the opinion of the Institute will promote economic development and create employment and protect the marine environment”.

The Financial Statements cover the Year ended 31 December 2012

2. Grant in Aid

	2012		2011	
	€'000	€'000	€'000	€'000
Current purposes				
Marine Institute – Vote 30, Subhead A.7	14,449		14,772	
Less Superannuation contributions repayable*	(421)	14,028	(446)	14,326
Capital purposes				
National Seabed Survey – Vote 29, Subhead D.7	1,495		1,441	
Marine Institute – Vote 30, Subhead A.7	1,500		1,770	
Beaufort (Note 12) – Vote 30, Subhead A.7	2,167		1,793	
Research and Technical Development Infrastructure (RTDI) (Note 12) – Vote 30, Subhead A.7	4,333	9,495	5,785	10,789
		<u>23,523</u>		<u>25,115</u>

* By agreement with the Department of Agriculture, Food and Marine this amount is refundable in respect of employee pension contributions.

3. Other Income

	2012		2011	
	€'000	€'000	€'000	€'000
EU Contract Research				
Data Collection Framework (see note below)	2,841		2,948	
Other	<u>1,258</u>		<u>1,234</u>	
		4,099		4,182
Other Income				
Research Vessel Charterage	2,542		3,242	
Databuoy – Department of Transport	370		583	
Marine Strategy Framework Directive (DECLG)	996		0	
Natura (DAFM and DECLG)	571		899	
Water Framework Directive funded by EPA	956		745	
Marine NDP project co-funded by EPA	0		213	
Marine NDP project co-funded by Teagasc	288		0	
Sundry and Other Contract Income	<u>2,060</u>	7,783	<u>1,315</u>	6,997
TOTAL		11,882		11,179

The Data Directive is a European wide Directive establishing a community framework on the collection and management of data needed to conduct the Common Fisheries Policy.

Notes to the Financial Statements

Year ended 31 December 2012

4. Corporate Services

	2012 €'000	2011 €'000
Wages and Salaries	1,209	1,186
Administration	3,014	2,684
Depreciation	265	413
TOTAL	4,488	4,283

Administration costs include an audit fee of €19,270 in 2012 (2011: €19,270)

During 2012 there was an internal reorganisation resulting in expenditure previously included under Strategic Planning and Development Services now being included under Ocean Science and Information Services 2012 €2.285m (2011: €2.652m) Marine Environment and Food Safety Services 2012 €0.049m (2011: €0.042m) and Corporate Services 2012 €0.064m (2011: €0.065m).

5. Marine Environment and Food Safety Services

	2012 €'000	2011 €'000
Wages and Salaries: Core staff	2,736	2,622
EU Contract Staff	<u>78</u>	<u>0</u>
	2,814	2,622
Research & Development Programmes	4,595	3,492
Depreciation	256	235
TOTAL	7,665	6,349

During 2012 there was an internal reorganisation resulting in expenditure previously included under Strategic Planning and Development Services now being included under Ocean Science and Information Services 2012 €2.285m (2011: €2.652m) Marine Environment and Food Safety Services 2012 €0.049m (2011: €0.042m) and Corporate Services 2012 €0.064m (2011: €0.065m).

6. Fisheries Ecosystems Advisory Services

	2012 €'000	2011 €'000
Wages and Salaries: Core staff	1,926	1,958
EU Contract Staff	<u>1,378</u>	<u>1,379</u>
	3,304	3,337
Research & Development Programmes	1,401	1,465
Depreciation	110	203
TOTAL	4,815	5,005

Notes to the Financial Statements

Year Ended 31 December 2012

7. Ocean Science and Information Services

	2012 €'000	2011 €'000
Wages and Salaries	1,339	557
Administration & Development Programmes	8,288	9,434
Depreciation	2,273	2,182
TOTAL	11,900	12,173

The total running costs of the Research Vessels which are included under Ocean Science and Information Services was €7.85m for 2012 (2011 €7.549m). €2.5m of this expenditure is included under the Marine NDP (ship-time programme) for 2012 (2011 €2.5m). The running costs include any capital equipment costs incurred before adjusting for depreciation.

During 2012 there was an internal reorganisation resulting in expenditure previously included under Strategic Planning and Development Services now being included under Ocean Science and Information Services 2012 €2.285m (2011: €2.652m) Marine Environment and Food Safety Services 2012 €0.049m (2011: €0.042m) and Corporate Services 2012 €0.064m (2011: €0.065m).

8. Irish Maritime Development Office

	2012 €'000	2011 €'000
Wages and Salaries	326	299
Administration & Development Programmes	569	506
Depreciation		2
TOTAL	895	807

9. Salary Costs

	2012 €'000		2011 €'000	
Wages and Salaries:				
Core staff	136	7,538	140	7,594
Pensioners and Pension Costs	14	2,878	12	3,153
Contract Staff and other payroll costs	47	3,104	50	3,333
	197	13,520	202	14,080

Pension related deductions of €0.590m were made from salaries and remitted to the Department of Agriculture, Food and the Marine.

10. Capital Account

	2012 €'000		2011 €'000	
Balance at 1 January		23,290		25,930
Transfer (to) /from Income and Expenditure Account Capital funding	2,168		1,800	
Amortisation in line with asset depreciation	(2,906)	(738)	(4,440)	(2,640)
Balance at 31 December		25,552		23,290

Notes to the Financial Statements

Year ended 31 December 2012

11. Fixed Assets

Fixed Assets as stated in the financial statements are made up as follows:

	Land & Buildings €'000	Research Vessels €'000	Vessel Equipment €'000	Fixtures & Fittings €'000	Computers €'000	Motor Vehicles €'000	TOTAL €'000
Cost or Valuation							
Balance at 1 January 2012	3,672	31,284	3,904	19,789	7,813	358	66,820
Additions at cost	71	1,107	223	541	226	0	2,168
Cost at 31 December 2012	3,743	32,391	4,127	20,330	8,039	358	68,988
Depreciation							
Balance at 1 January 2012	851	13,482	3,300	18,088	7,550	259	43,530
Charge for the year	75	1,204	356	960	270	41	2,906
Balance at 31 December 2012	926	14,686	3,656	19,048	7,820	300	46,436
Net Book Value							
At 31 December 2012	2,817	17,705	471	1,282	219	58	22,552
At 31 December 2011	2,821	17,802	604	1,701	263	99	23,290

The Marine Institute main premises are at Rinville, Oranmore, County Galway. This building is owned by the OPW. No rent is paid to the OPW for these premises.

Notes to the Financial Statements

Year Ended 31 December 2012

12. Marine NDP (2000–2006), Beaufort and Marine NDP (2007–2013)

The total funding and amounts applied in 2012 was as follows:

	2012 €'000 NDP 2007–2013	2011 €'000 Total
Oireachtas Income (Note 2)	6,500	7,578
Other Income (Note 3)	<u>288</u>	<u>213</u>
Total Income	6,788	7,791
Expenditure:		
Amounts paid to third parties	5,546	6,514
Amounts paid to the Marine Institute	919	967
Administration	<u>307</u>	<u>352</u>
Total Programme Expenditure	6,772	7,833
Surplus / (Deficit) in year	16	(42)

Marine NDP (2000–2006), Beaufort and Marine NDP (2007–2013)

	2012 €'000	2011 €'000
Marine RTDI Programmes Expenditure	6,772	7,833
Assets purchased under the ERDF Fund	0	0
Depreciation on ERDF assets	0	1,100
TOTAL	6,772	8,933

Under the Laboratory Infrastructure Sub-Measure of the Marine RTDI Measure the Marine Institute purchased assets at a total cost of €5.912m (2007: €0.821m and 2008: €5.091m). These assets were fully depreciated at 31/12/2011 but are still in use.

Notes to the Financial Statements

Year ended 31 December 2012

Note 12 Cont'd

NDP 2000–2006

The primary objectives of the Marine RTDI Measure (NDP 2000–2006) are to enhance and consolidate the performance of the marine sector in Ireland through support for R&D and technology transfer activities and provide the RTDI capacity and infrastructure to enable Ireland to fully utilise marine resource potential in a sustainable manner. Expenditure comprises PhD Scholarships, Post Doctorate Scholarships, Michael Manahan Fellowship, Desk Studies, Applied/Industry Projects, Networking and Technology Transfer projects and Strategic projects.

The total investment in RTDI projects under the National Development Plan (NDP) between the period 2000 –2006 assisted 226 projects representing an investment of €16.289m.

Marine NDP 2007–2013

Under the NDP Marine Research Sub-Programme 2007–2013, investment in marine research over the period 2007–2013 is targeted at meeting objectives, research activities and outputs of Sea Change, the national marine knowledge, research and innovation strategy. Funding is targeted at the Research Measures and Programmes of the strategy via a range of mechanisms, including competitive calls for research proposals (project-based awards, desk studies, PhDs, Post-Docs etc) and tendering for the provision of infrastructure/services. A total of 105 projects have been supported up to the end of 2012 under the Marine Research Sub-Programme of the NDP with 62 of these projects still ongoing.

The total expenditure under the Marine Research Sub-Programme up to 31 Dec 2012 was €50.0m. Commitments at 31 Dec 2012 were €14.2m.

Research Projects awarded are subject to contract which specifies that an initial payment will be made on signing of the contract; an interim payment may be made subject to satisfactory performance with final payment made on receipt of and verification of claims. Expenditure is charged in the financial statements in accordance with Accounting Policy 8.

At 31 December 2012 payments were outstanding on amounts charged to the financial statements as follows (note 17).

	2012 €'000	2011 €'000
Amounts Outstanding	0	190

At 31st December 2012 commitments entered into but not yet charged to the financial statements in respect of RTDI projects were €14.2m with the following breakdown.

	NDP and SSTI 2007–2013 €'000	NDP 2000–2006 €'000	Total €'000
Commitments as at 01 January 2012	17,307	0	17,307
Committed in 2012	3,698		3,698
Decommitted in 2012	0	0	0
Paid in 2012	(6,772)	0	(6,772)
Commitments as at 31 December 2012	14,233	0	14,233

Notes to the Financial Statements

Year Ended 31 December 2012

13. Expenditure

	2012 €'000	2011 €'000
Payroll Costs	10,496	10,710
Pension Costs	2,878	3,153
Board Costs	39	76
Annual Audit Fee	19	19
Insurance	240	256
Rent, Rates and Service Charges	368	357
Facility Costs	1,766	1,555
Telephone and Data Communications	211	188
IT Costs	627	757
Laboratory and Field Costs	878	833
Other Admin Costs	1,687	1,477
Travelling Expenses	917	892
Statutory Testing, Research and Surveys	4,195	2,728
Marine NDP (2007–2013)	4,272	5,333
NDP Shiptime Programme	2,500	2,500
Vessel Operation Costs	5,394	5,058
Other Sundry Equipment and Refits	131	154
Hire of Equipment	159	217
Depreciation (Note 11)	2,906	4,440
Total Expenditure Per Income and Expenditure Account	39,683	40,703

The figures in the note exclude capital expenditure of €2.1m.

Foreign travel costs included under travelling expenses in 2012 amounted to €320,419.

14. Debtors and Prepayments

	2012 €'000	2011 €'000
Trade Debtors	140	3,913
Contract Income	2,604	2,526
Prepayments	301	121
	3,045	6,560

An amount of €3.1m included under Trade Debtors relates to the recoverability of VAT payments. This amount was fully received in 2012.

15. Creditors and Accruals

	2012 €'000	2011 €'000
Trade Creditors	981	2,092
Deferred Income	837	1,514
RTDI Accrual (Note 14)	0	190
Accruals	565	325
Payroll and Revenue Accruals	92	571
	2,475	4,692

16. Refund to Exchequer

The Institute received a VAT refund of €2.8m in December 2012. It had estimated the refund at €2.53 million. The excess over that amount (€270,000) was paid over to the Department of Agriculture, Food and the Marine.

Notes to the Financial Statements

Year ended 31 December 2012

17. Superannuation Scheme and Spouse & Children's Contributory Pension Scheme

The Marine Institute is a statutory State agency, established under section 3(1) of the Marine Institute Act, 1991 (No. 2 of 1991). Section 9(1) of the Act provides that the Institute shall make schemes for the granting of superannuation benefits to and in respect of staff members, subject to Ministerial approval. Two such approved schemes – the Marine Institute Staff Superannuation Scheme 1998 and the Marine Institute Spouses' and Children's Contributory Pension Scheme 1998 – are being operated by the Institute. The former scheme provides retirement benefits (lump sum and pension) to staff members, and death gratuity benefits in respect of death in service. The latter scheme provides pension benefits for the surviving spouses and dependant children of deceased members. Normal retirement age is a member's 65th birthday. Both schemes are defined benefit superannuation schemes. Staff Superannuation contributions are paid over to the Department of Agriculture, Food and the Marine.

In common with the generality of public service superannuation schemes, no separate fund is maintained, or assets held, to finance the payment of pensions and gratuities.

For the purposes of reporting in accordance with Financial Reporting Standard 17 (revised) – Retirement Benefits, the Institute has been advised by a qualified actuary. A valuation has been prepared by the actuary in order to assess the liabilities of the superannuation schemes at 31 December 2012.

The major actuarial assumptions are as follows:

	2012	2011	2010
Inflation rate increase (a)	2% per annum	2% per annum	2% per annum
Salary rate increase	4% per annum	4% per annum	4% per annum
Pension rate increase	4% per annum	4% per annum	4% per annum
Scheme liabilities discount rate	5.5% per annum	5.5% per annum	5.5% per annum

Average **remaining** future life expectancy according to the mortality tables used to determine pension liabilities, is as follows:

	2012	2011
Male Aged 65	22	22
Female aged 65	25	25

On the basis of these and other assumptions and applying the projected unit method prescribed in FRS 17 (Revised), the pension deferred funding asset and pension liability is as follows:

	2012	2011
Total accrued pension liability	€27.5m	€26.0m

- (a) As pension increases under the Marine Institute schemes are based on salary increases rather than on price increases, a price inflation assumption is not necessary for the purposes of this valuation. However, since FRS 17 requires reference to an assumed rate of inflation, the above rate would be appropriate for this purpose.

	2012 €'000	2011 €'000
Analysis of the Total Pension Costs charged to Expenditure		
Current Service Cost	1,900	2,200
Interest on pension scheme liabilities	1,400	1,400
Employee Contributions	(442)	(447)
	2,878	3,153
Analysis of the amount recognised in a statement of total		
recognised gains and losses (STRG)	€'000	€'000
Experience gains and (losses)	1,360	3,080
Changes in assumptions underlying the present value of scheme	0	0
Actuarial gain and (loss) recognised in STRGL	1,360	3,080

Notes to the Financial Statements

Year Ended 31 December 2012

Note 17 Cont'd

Net Deferred Funding for Pensions Recognised in the year	2012 €'000	2011 €'000
Current Service and Interest Cost	3,300	3,600
Less benefits paid in the year	(443)	(416)
	2,857	3,184

The Marine Institute recognises amounts owing from the State as an asset corresponding to the unfunded deferred liability for pensions on the basis of the set of assumptions described above and a number of past events. These events include the statutory basis for the establishment of the superannuation scheme and the policy and practice in relation to funding public service pensions, including contributions from employees and the annual estimates process. The Marine Institute has no evidence that this funding policy will not continue to meet such sums in accordance with current practice. The deferred funding asset for pensions as at 31 December 2012 amounted to €27.5million (2011: €26.0million). The quantification of the liability is based on the Financial assumptions set out in this note. The assumptions used, which are based on professional actuarial advice, are advised to the Department of Agriculture, Food and the Marine but are not formally agreed with the Department.

Analysis of movement in net pension liability during the year	2012 €'000	2011 €'000	2010 €'000	2009 €'000	2008 €'000
Deficit at the beginning of the year	26,004	25,900	24,700	19,300	18,300
Current Service Cost	1,900	2,200	2,100	1,900	1,900
Interest on Scheme Liabilities	1,400	1,400	1,400	1,100	1,000
Actuarial (Gain) Loss recognised in the STRGL	(1,360)	(3,080)	(2,075)	2,625	(1,679)
Benefits paid in the year	(443)	(416)	(225)	(225)	(221)
Deficit at the end of the year	27,501	26,004	25,900	24,700	19,300

History of Defined Benefit Obligations	2012 €'000	2011 €'000	2010 €'000	2009 €'000	2008 €'000
Defined benefit obligations	27,501	26,004	25,900	24,700	19,300
Experience Gains/(Losses) on Scheme Liabilities	1,360	3,080	2,075	(2,625)	1,679
Percentage of Scheme Liabilities	4.96%	11.8%	8.0%	(10.6%)	8.7%
Assumptions (Gains)/Losses on Scheme Liabilities	0	0	0	0	0
Percentage of Scheme Liabilities	0%	0%	0%	0%	0%

The cumulative actuarial gain recognised in the statement of total recognised gains and losses amounts to €4,097,000.

18. Lease commitments

Operating Leases

The Marine Institute occupies leased premises at the following locations:

Lease 1: 80 Harcourt Street, Dublin 2 commenced in 1993 for a period of 22 years with five yearly rent reviews. There is a rent review every five years, with no more lease breaks until the conclusion of the lease in 2015.

Lease 2: Parkmore Office Park, Galway, commenced in 1999 for a period of 25 years with five yearly rent reviews.

Lease 3: Warehouse, Galway Harbour, commenced in 2000 for a period of 25 years with five yearly rent reviews.

Notes to the Financial Statements

Year ended 31 December 2012

Note 18 Cont'd

The current annual rental charge of these leases amounts to €327,720 (2011 €328,589)

	2012	2011
Expiring within 1 year	0	0
Expiring during the years 2 to 5	235,735	235,735
Expiring thereafter	91,985	92,854

19. Investment

The Marine Institute has a 1.3% fully diluted shareholding in a company called Wavebob Ltd. This company was established to develop a concept in delivering Wave Energy. The total cost of the investment is €127,000. As it is not possible to accurately assess the value of this investment, the shares are not capitalised in the Balance Sheet.

20. Register of interests

The Institute has adopted procedures in accordance with the guidelines issued by the Department of Public Expenditure and Reform in relation to the disclosure of interest by Board members and the Institute has adhered to these procedures. There were no transactions in the year in relation to the Institute's activities in which board members had a beneficial interest.

21. Board Fees, Board Attendance and Chief Executive Salary

The Institute has adhered to the updated Code of Practice for the Governance of State Bodies which was published by the Minister for Finance on 15 June 2009. The Annual Basic Salary of the Chief Executive of the Marine Institute for 2012 was €146,220. There were no payments made to the Chief Executive under a performance related pay scheme or no other benefits paid as part of the remuneration package. The CEO pension entitlements do not extend beyond those of the model public sector scheme.

Payments to the 2012 Marine Institute Board members were as follows.

Board Member	Category 3	Gross Fees 2012	Expenses 2012	Total 2012
Jim Fennell	Chairperson	0	1,762	1,762
Richard Flynn	Director	2,287	1,261	3,548
Michael Walsh	Director	2,287	0	2,287
Bernie Hannigan	Director	0	2,958	2,958
Eleanor O Higgins	Director	0	315	315
Emer Rogan	Director	0	1,037	1,037
Lorcan O Cinneide	Director	7,695	5,535	13,230
Francis Coyle	Director	7,695	2,164	9,859
Paul Hyde	Director	4,489	0	4,489
		24,453	15,032	39,485

Board Member	Category 3	Board Meetings 2012	Board Meetings Attended 2012	Term Commenced/ Ended
Jim Fennell	Chairperson	9	9	Term Ended Nov 2013
Richard Flynn	Director	9	2	Term Ended Apr 2012
Michael Walsh	Director	9	2	Term Ended Apr 2012
Bernie Hannigan	Director	9	1	Term Ended Apr 2012
Eleanor O Higgins	Director	9	3	Term Ended Apr 2012
Emer Rogan	Director	9	4	Term Ended Apr 2012
Lorcan O Cinneide	Director	9	9	
Francis Coyle	Director	9	9	
Paul Hyde	Director	9	5	Commenced June 2012

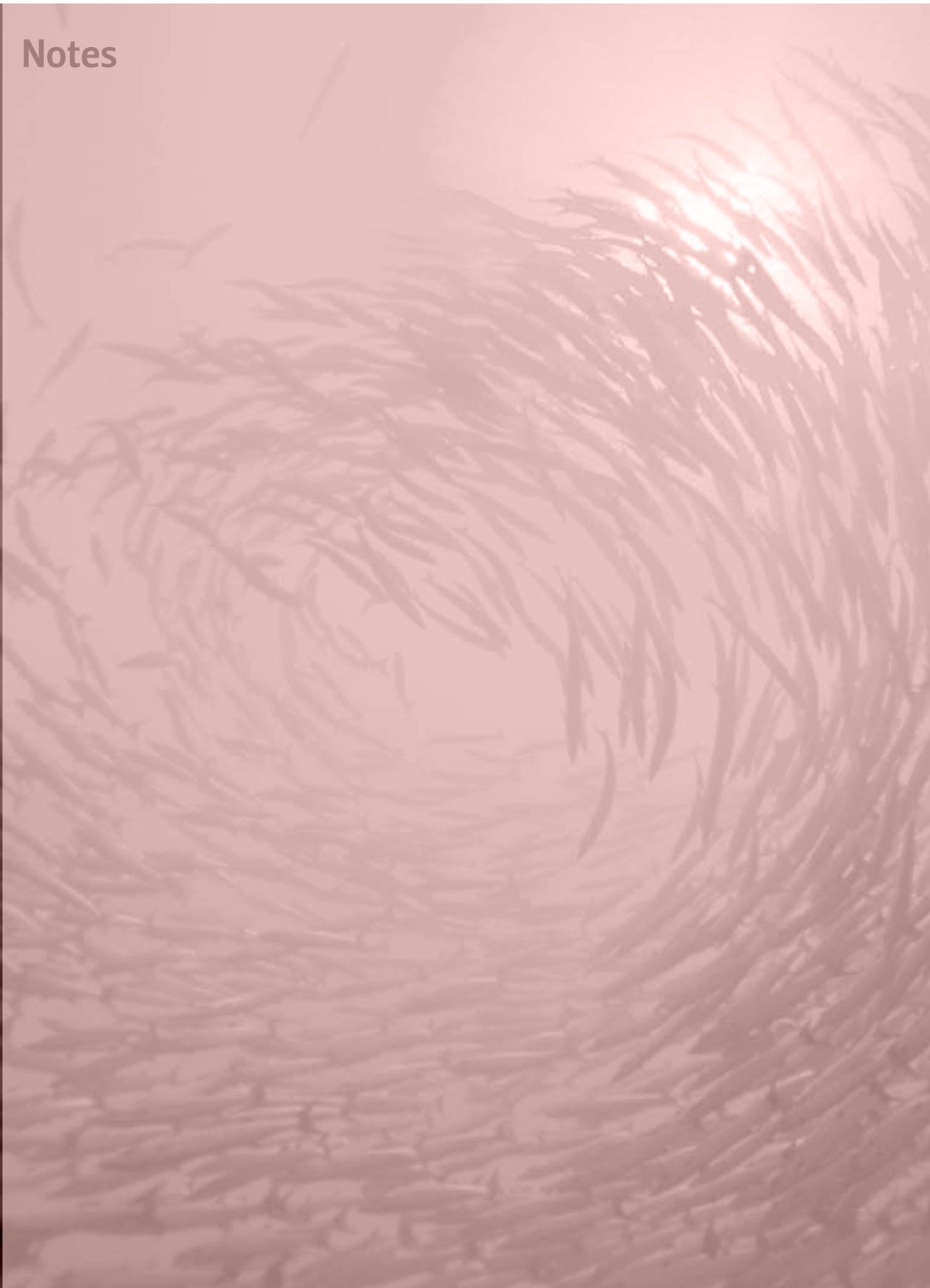
22. Board Approval

The financial statements were approved by the Board on the 25 March 2014.

Notes

Notes

Notes



The Marine Institute Annual Report is available in Irish and can be downloaded from www.marine.ie

www.vermilliondesign.com

www.marine.ie



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www.linkedin.com/company/marine-institute



@marineInst

Headquarters & Laboratories

Marine Institute
Rinville
Oranmore
Co. Galway
T: +353 91 387 200
F: +353 91 387 201
E: institute.mail@marine.ie

Marine Institute Regional Offices & Laboratories

Marine Institute
80 Harcourt Street
Dublin 2
T: +353 1 476 6500
F: +353 1 478 4988

Marine Institute
Furnace
Newport
Co. Mayo
T: +353 98 42300
F: +353 98 42340



TUARASCÁIL BHLIANTÚIL 2012



Marine Institute
Foras na Mara

An Eolaíocht agus an Mhuir a Fhónamh

Chuig an Aire Talmhaíochta, Bia agus Mara

De réir cheanglais an Achta um Fhoras na Mara, 1991, is mór an onóir í dom Tuarascáil Bhliantúil agus Ráiteas Airgeadais Fhoras na Mara don bhliain dar críoch an 31 Nollaig 2012 a chur ar fáil.

Jim Fennell, Cathaoirleach

Is é Foras na Mara an ghníomhaireacht náisiúnta ag a bhfuil na feidhmeanna seo a leanas:

‘chun taighde agus forbairt mhuirí a ghabháil de láimh, a chomhordú, a chur chun cinn agus chur cur leo agus na seirbhísí sin a bhaineann le taighde agus forbairt mhuirí a chur ar fáil ar bhealach, i dtuairim Fhoras na Mara, a chuirfidh forbairt eacnamaíoch chun cinn agus a chruthóidh fostaíocht agus a chosnóidh an timpeallacht mhuirí.’

An tAcht um Fhoras na Mara, 1991

Ár bhFís

Geilleagar mara a mbeidh borradh faoi gan dochar don éiceachóras agus a mbeidh ár gcuid sársheirbhísí mar thaca aige

Tá grianghraif ar fud an fhoilseacháin seo faoi chóipcheart Fhoras na Mara agus na ngrianghrafadóirí seo a leanas:

Andrew Downes Photography

Jason Clarke Photography

Cushla Dromgool–Regan (Foras na Mara)

Tá grianghraif bhreise curtha ar fáil ag na daoine seo a leanas:

Mike Hogan

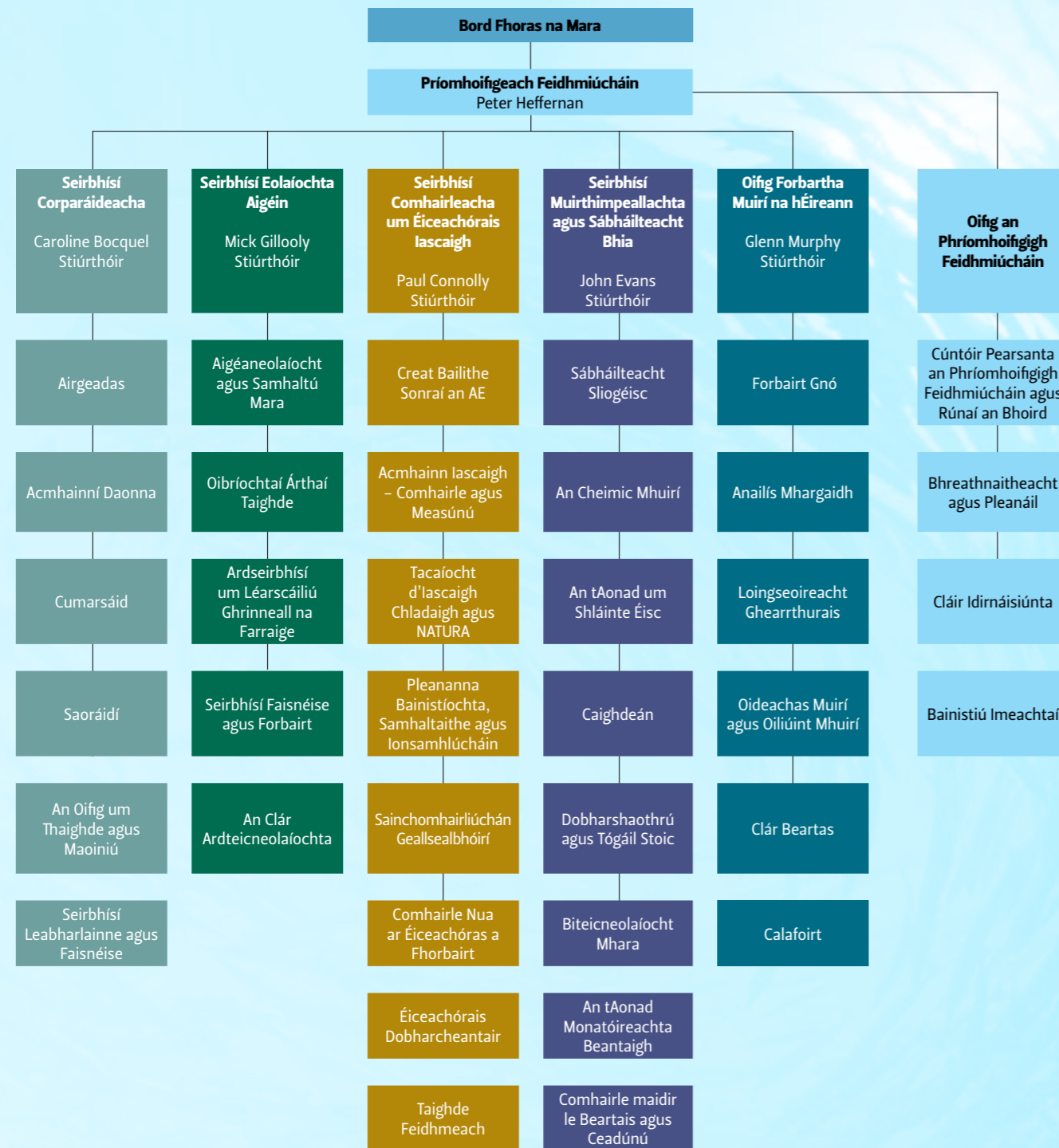
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Is féidir leagan Gaeilge de Thuarascáil Bhliantúil Fhoras na Mara a íoslódáil ó www.marine.ie

Struchtúr Eagrúcháin Fhoras na Mara 2012



Réamhrá agus Struchtúr Eagrúcháin

Is é Foras na Mara an ghníomhaireacht náisiúnta um thaighde, teicneolaíocht, forbairt agus nuálaíocht mhara. Tá sé de chuspóir againn cumas eacnamaíoch acmhainní mara na hÉireann a mheas agus a bhaint amach; forbairt inbhuanaithe an tionscail mara a chur chun cinn trí chlár straitéiseacha chistithe agus trí sheirbhísí eolaíochta bunriachtanacha; agus acmhainní nádúrtha mara na hÉireann a chosaint trí thaighde agus trí mhonatóireacht a dhéanamh ar an gcomhshaol.

Tá acmhainn mhara suas le 220 milliún acra (thart ar 880,000 km²) ag Éirinn amach faoin bhfarraige mhór, atá níos mó ná deich n-oiread a hachair thalún. Cuireann Foras na Mara forbairt inbhuanaithe na hacmhainne ollmhóire mara sin chun cinn trí thaighde, trí theicneolaíochtaí nua a chur i bhfeidhm, agus trí chomhairle bhainistíochta a sholáthar don tionscal, don Rialtas agus don Aontas Eorpach (AE).

Soláthraíonn an Foras seirbhísí bunriachtanacha um thaighde mara, lena n-áirítear:

- > Cláir náisiúnta mhaoiniúcháin do thaighde agus d'fhorbairt
- > Measúnú na stoc éisc
- > Seirbhísí sláinte éisc
- > Monatóireacht ar shábháilteacht bhia mara
- > Monatóireacht chomhshaoil
- > Oibríochtaí Árthaí Taighde
- > Léarscáiliú ghrinneall na farraige
- > Bainistíocht sonraí
- > Seirbhísí forbartha muirí

Tá Foras na Mara eagraithe i gcúig réimse seirbhíse agus tá Oifig an Phríomhoifigigh Feidhmiúcháin ann. Áirítear ar na réimsí seirbhíse:

- > Seirbhísí Corparáideacha
- > Seirbhísí Eolaíochta Aigéin
- > Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia
- > Seirbhísí Comhairleacha um Éiceachórais lascaigh
- > Oifig Forbartha Muirí na hÉireann

Neartaítear an eagraíocht trí bhéim láidir ar rialachas corparáideach agus trí bhéim ar bhainistíocht stuama airgeadais, rud a bhí tábhachtach maidir le rathúlacht an Fhorais le linn tréimhse a bhí dúshlánach ó thaobh na heacnamaíochta de le linn 2012.

Leagtar béim sa tuarascáil seo ar na bunspriocanna inghnóthaithe agus ar an dul chun cinn a rinneadh i leith ár bhfíse i rith na bliana sin.



Comhaltaí an Bhoird



An tUas. Jim Fennell – Cathaoirleach (2008 – 2013)
Ceapadh Jim Fennell i mí na Samhna 2008, agus is comhalta de chuid Chomhlachas na gCuntasóirí Deimhniúithe Cairte é. Is Rialtóir Airgeadais agus Rúnaí é do Chomhlacht Ceannais Institiúid Teicneolaíochta na Gaillimhe–Mhaigh Eo. Le cois a ról le GMIT tá roinnt poist stiúthóireachta aige, lena n-áirítear; Uachtarán Chumann Tráchtála na Gaillimhe, ‘An Chéim’ (Collaborative Higher Education Information Management), HEAnet (Gréasán Náisiúnta Oideachais agus Taighde na hÉireann), agus Cathaoirleach ar Fhochoiste Airgeadais HEAnet; agus Coiste Iniúchta Chomhairle Contae Mhaigh Eo.



An tOllamh Bernie M Hannigan (2007 – 2012)
Is Ollamh le hImdhíoneolaíocht í Bernie Hannigan in Ollscoil Uladh, i dTuaisceart Éireann. Tá sí ar iasacht, ar bhonn páirtaimseartha, le post an Stiúthóra Taighde / an Phríomh–Chomhairleora Eolaíochta sa Roinn Sláinte, Seirbhísí Sóisialta agus Sábháilteachta Poiblí i dTuaisceart Éireann. I measc na bpost Ollscoile eile a bhí aici, bhí post an Leas–Leas–Seansailéara (Taighde agus Nuálaíocht) agus post an Déin ar Dhámh na nEolaíochtaí Beatha agus Sláinte. Tá spéis ar leith ag an Ollamh Hannigan i dtaighde ar an mbaint atá ag cothú le cumas imdhíonach. Cuireadh oideachas uirthi i gColáiste na Tríonóide, Baile Átha Cliath agus i gColáiste Ríoga na Máinlianna in Éirinn. Tá os cionn 100 foilseachán curtha i gcló aici a ndearnadh piarmheasúnú orthu agus bhí sí ina stiúthóir ag breis agus 20 mac léinn a bhain céim dhochtúireachta amach. I dteannta an mhéid sin, ghnóthaigh sí méid suntasach maoiniúchán taighde ó fhoinsí éagsúla idirnáisiúnta agus ó fhoinsí sa Ríocht Aontaithe. Lasmuigh den Ollscoil bhí, agus tá an tOllamh Hannigan, ina stiúthóir ar réimse eagraíochtaí lena n-áirítear campais eolaíochta, malartú eolais/teicneolaíochta chomh maith le heagraíochtaí a thacaíonn le cuideachtaí teicneolaíocht–bhunaithe atá ag teacht chun cinn. Agus í ina ball ar Bhord Invest Northern Ireland, chinntigh sí gur cuireadh ranníocaíocht fhéideartha eacnamaíoch na n-ollscoileanna san áireamh sna straitéisí um fhorbairt réigiúnach laistigh den chúige.



An tUas Paul Hyde (2012 – 2017)
Is é Paul Hyde (BSc Arch, MA, MPlan, MRIA, RIBA) an comhpháirtí bainistíochta sa Chomhpháirtíocht Hyde um Ailtirí agus Pleanálaithe Bailte, gnó ildisciplíneach deartha agus pleanála. Tá céimeanna bainte amach aige san Ailtireacht agus sa Phleanáil & san Fhorbairt Inbhuanaithe araon. Is ball é de na hInstitiúidí proifisiúnta RIAI, RIBA agus IPI, agus tá taithí ghairmiúil os cionn sé bliana déag i ndáil leis an timpeallacht tógála bainte amach aige lena n-áirítear forbairt talmhaí agus cósta araon chomh maith le pleanáil spásúlachta. I dteannta lena ról sa Chomhpháirtíocht Hyde tá sé ina bhall ar roinnt coistí lena n-áirítear: Institiúid Pleanála na hÉireann, Craobh an Deiscirt; Institiúid Ríoga na nAiltirí in Éirinn, Craobh an Deiscirt; agus Cumann Tráchtála Chorcaí.



An tUas. Lorcán Ó Cinnéide (2010 – 2015)
Is Iar–Phríomhfheidhmeannach é Lorcán Ó Cinnéide (BA) d'Eagras Táirgeoirí Éisc na hÉireann, príomhchomhlacht ionadaíoch de chuid thionscal na hiascaireachta. Bhain sé céim amach san Eacnamaíocht agus sa Pholaitíocht i gColáiste na Tríonóide, Baile Átha Cliath agus bhí sé ina úinéir ar bhád iascaireachta freisin. Ba bhall gníomhach Lorcán de Chomhairle Chomhairleach Réigiúnach Uiscí Iar–Thuaiscirt an Aontais Eorpaigh agus réimse leathan de bhainistíocht iascaigh agus de chomhlachtaí comhairleacha eile in Éirinn agus ar leibhéal an Aontais Eorpaigh. Thug sé sainchomhairle don AE ar mheasúnú cláir taighde mara agus bhí baint aige le forbairt agus ionadaíocht thionscal na hiascaireachta le fiche bliain anuas. Is Cathaoirleach é ar Chomhairle Raidió na Gaeltachta agus tá sé ina Rúnaí ar Fhondúireacht an Bhlascaoid.



An Dr Eleanor O'Higgins (2007 – 2012)
Oibríonn Eleanor O'Higgins (BA, MSc, MBA, PhD) i ndámh na Scoileanna Gnó in UCD agus mar Ánra ar Cuairt sa London School of Economics and Political Science. Is iad na sainfheidhmeanna atá aici teagasc, taighde agus foilseacháin a dhéanamh i rialachas corparáideach, i mbainistíú straitéiseach, in eitic ghnó agus i bhfreagracht shóisialta chorparáideach. Tá sí ina húdar ar go leor foilseachán in irisí acadúla agus proifisiúnta, ailt nuachtáin, caibidlí leabhair agus cas–staidéir, agus fónann sí ar bhoird eagarthóireachta roinnt irisleabhair idirnáisiúnta bhainistíochta agus ghnó. Tá sí ina ball de Chomhairle Preasa na hÉireann, den Ghrúpa Fiontar Inbhuanaithe ag an IBEC, agus de Bhord Bainistíochta an Ionaid um Rialachas Corparáideach i gColáiste na hOllscoile, Baile Átha Cliath. D'oibrigh sí i ról éagsúla roimhe seo lena n-áirítear: mar shíceolaí taighde sa Scoil Leighis in Ollscoil Harvard; mar shíceolaí cliniciúil i Seirbhísí Sláinte na hÉireann, agus mar bhainisteoir forbartha foirne in RTÉ. Chaith sí seal ag feidhmiú ar bhord stiúthóirí de chuid an IDA, de chuid Thrédhearcacht Idirnáisiúnta Éireann agus de chuid na gclinicí sláinte Well Woman. Bhí poist éagsúla cheannaireachta aici san US Academy of Management.



An tUas. David Owens (2012 – 2017)
Tá David Owens (ACA) ina Leas–Uachtarán, Airgeadas agus Oibríochtaí le SolarWinds (NYSE: SW). Sular thosaigh sé le SolarWinds, chaith an tUas. Owens breis is seacht mbliana ag obair leis an eagraíocht bogearraí fiontraíochta Red Hat, Inc., áit a d'oibrigh sé ar dtús mar Stiúthóir ar Lóistíocht agus Táirgeadh Domhanda agus ansin mar Stiúthóir Sinsearach Airgeadais – EMEA. Tá an tUas. Owens cáilithe mar chuntasóir cairte



le Ernst & Young agus is ball d'Institiúid Chuntasóirí Cairte na hÉireann é.

An Dr Emer Rogan (2007 – 2012)
Is léachtóir í Emer Rogan sa Scoil Eolaíochtaí Bitheolaíochta, Domhain agus Comhshaoil, Coláiste na hOllscoile, Corcaigh. Bhain sí a céim eolaíochta BSc amach i gColáiste na hOllscoile, Baile Átha Cliath i 1984, agus chríochnaigh sí a PhD ar éiceolaíocht phlanctóin i gColáiste na hOllscoile, Corcaigh i 1990. Ó shin i leith, dhírigh sí a taighde ar na nithe seo a leanas go príomha: éiceolaíocht agus bitheolaíocht na mamach mara, idirghníomhaíochtaí idir mamach mara agus iascaigh chomh maith le feidhmiú éiceachórais mhara, an gaol a léiriú idir anailís chothaithe agus bithbhailiú, pátrúin imirceacha chomh maith le paraiméadair aigéaneolaíochta agus bhataiméadracha. Rinne sí maoirseacht ar bhreis agus 30 mac léinn MSc agus PhD a bhí i mbun staidéir a dhéanamh ar éiceolaíocht na mamach mara agus iascaigh, agus tá sí ina húdar ar go leor páipéar in irisí acadúla agus gairmiúla, in ailt phreasa agus i gcaibidlí leabhair. Is ball í an Dr Rogan de Choiste Eolaíochta Choimisiún Idirnáisiúnta na Míolta Móra, de Shainghrúpa Céiticigh an Aontais Idirnáisiúnta do Chaomhnú an Dúlra agus de Ghrúpa Oibre na Chomhairle Idirnáisiúnta um Thaiscéaláocht na Mara ar Éiceolaíocht na Mamach Mara.



An tUas. Michael Walsh (2007 – 2012)
Bhí Michael Walsh ar cheann de bhunaitheoirí Eagraíocht Iascairí Dheisceart agus Oirthear na hÉireann, a bunaíodh in 2002. Chaith sé seal, ina dhiaidh sin, le hEagraíocht na dTáirgeoirí Éisc ó Dheisceart agus Oirthear na hÉireann a bhunú, eagraíocht a bhain aitheantas amach i mí na Nollag 2004. Tá post an Phríomhfheidhmeannaigh aige faoi láthair in Eagraíocht na dTáirgeoirí Éisc ó Dheisceart agus Oirthear na hÉireann agus is Cathaoirleach é ar Chónaidhm Iascairí na hÉireann, a bunaíodh ag deireadh na bliana 2006. Tá taithí 15 bliana ag an Uasal Walsh i gcúrsaí iascaireachta chomh maith le mórán eolais ar na saghsanna éagsúla iascaireacht mhara agus patrúin iascaireachta. Bhí sé mar chuid den chriú ar go leor árthaí iascaireacht mhara, sula ndearnadh scipéir de i 1994 tar éis dó a Dheimhniú Inniúlachta um Scipéir (Teoranta) a bhaint amach ag Scoil Iascaigh an BIM sa Chaisleán Nua i nDún na nGall.



An tUas. Francis Coyle (2010 – 2015)
D'oibrigh an tUas. Coyle le Chomhairle Chontae Dhún na nGall i bpoist éagsúla ó 1974 go 2010. Ó 2001, bhí sé ina Stiúthóir Seirbhísí maidir le Pleanáil agus Forbairt Eacnamaíochta. D'oibrigh sé le Chomhairle Bhaile Leitir Ceanainn agus bhí sé ina Bhainisteoir ar Chomhairle Bhaile Bhéal Átha Seanaidh ó 2005 go 2010 freisin. B'Oifigeach Idirchaidrimh Eorpach na Chomhairle é le Comhdháil na Réigiún Muirí Forimeallach ar feadh sé bliana déag. Le linn na tréimhe 1995–1999, rinne sé bainistiú ar mhaoiniú ilmhilliúin Síochána agus Athmhuintearais de chuid na Chomhairle agus bhí sé ina Rúnaí do Thascfhórsa Dhún na nGall um Shíocháin agus Athmhuintearas. D'oibrigh an tUas. Coyle go dlúth leis an gCiste Idirnáisiúnta d'Éirinn freisin agus le meicníochtaí maoiniúcháin eile amhail INTERREG agus PEACE III chun forbairt a dhéanamh ar thionscadail ilghnéitheacha phobail agus athbheochana a bhí ceaptha chun feabhas a chur ar bhailte agus ar shráidbhailte, i nDún na nGall agus ar bhonn trasteorann araon. Is Iar–Stiúthóir é le Cuideachta Aerfort Dhún na nGall Teo. agus tá sé i mbun bainistíochta agus comhordú tionscadal faoi láthair.



An tUas. Richie Flynn (2007 – 2012)
Is é an tUas. Flynn Rúnaí Feidhmiúcháin ar rannóg do bharshaothraithe Fheirmeoirí Aontaithe na hÉireann, lena gcuimsítear Cumann Saothróirí Bradáin na hÉireann agus Cumann Sliogéisc na hÉireann chomh maith le Grúpa um Tháirgeoirí Breac na hÉireann. Tá sé ina Chathaoirleach reatha ar Chumann Táirgeoirí Moileasc na hEorpa. Bhain

Ráiteas an Chathaoirligh



athruithe suntasacha ar Bhord Foras na Mara nuair a shroich cúigear comhaltaí boird deireadh a dtéarma i rith 2012 agus ceapadh beirt chomhaltaí nua ar an mbord.

Ba é príomhról an Bhoird tacaíocht a thabhairt don Fheidhmeannas agus é ag dul i ngleic leis an éileamh méadaithe ar sheirbhísí nuair a bhí acmhainní ón státchiste laghdaithe cheana féin. Bhí sé riachtanach ceannaireacht láidir a chothú le linn an ama sin agus chuir an Bord agus an feidhmeannas béim ar leith ar phleanáil don chéad timthriall trí bliana eile. Thosaigh an próiseas le plean straitéiseach nua trí bliana a fhorbairt d'Fhoras na Mara ag deireadh 2012.

Rinneadh tosaíocht freisin den riachtanas a bhí ann maidir le dea-rialachas corparáideach. De thoradh an athraithe i gcomhaltas an Bhoird thugamar faoi chlár speisialta ionduchtaithe maidir le rialachas corparáideach. Is coiste gníomhach é Coiste Iníúchta Inmheánaí an Bhoird a thagann le chéile ar bhonn rialta agus a chuireann comhairle ar an mBord iomlán maidir le fiúntas na gcóras um rialú inmheánach airgeadais laistigh d'Fhoras na Mara. Sa bhlian 2012 chríochnaigh an Coiste obair shuntasach i ndáil le bainistíocht riosca agus mar thoradh air sin tá creat láidir bainistíocht riosca ag an bhForas ar a ndéantar athbhreithniú go rialta agus a thacaíonn leis an mbainistíocht leanúnach ar riosca de réir straitéis chorparáideach an Fhorais. Is mór agam an obair ar fad atá déanta ag mo chomhghleacaithe ar an gCoiste seo.

I rith an ama sin, lean an Foras lena cheangaltais reachtúla a

sheachadadh ag cur comhairle agus seirbhísí eolaíochta ar fáil chun tacú le forbairt inbhuanaithe na hearnála mara.

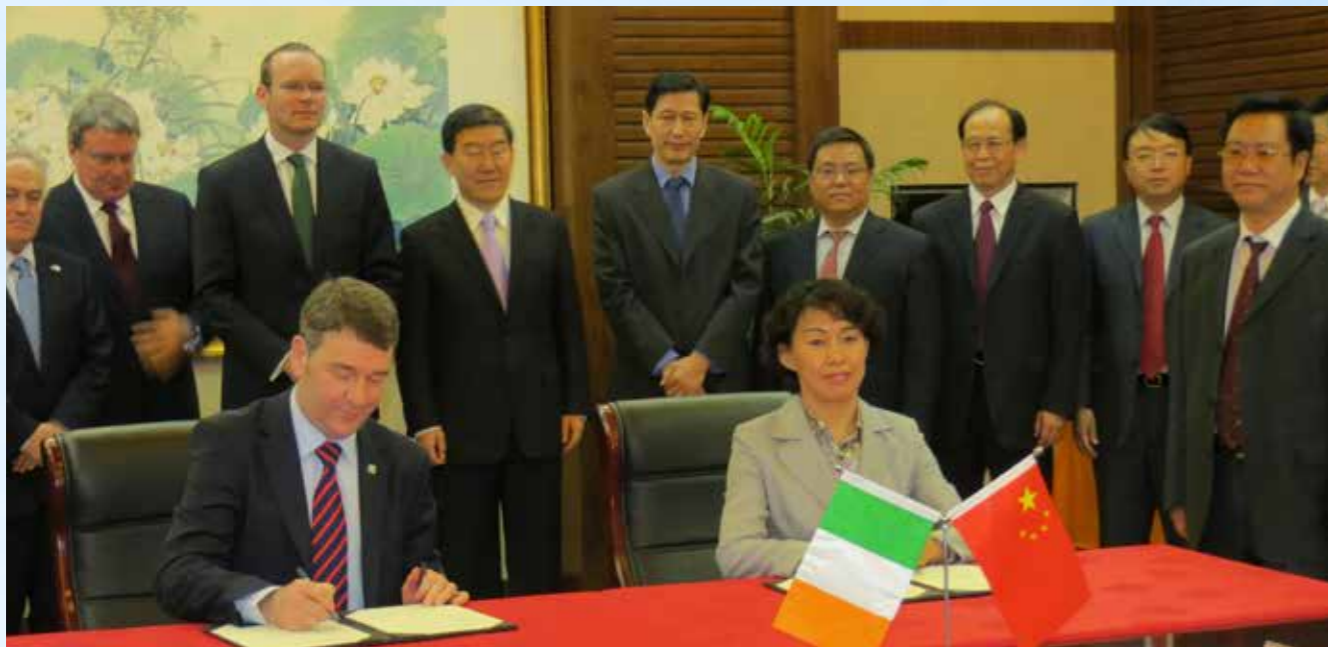
I measc na spriocanna suntasacha a bhain Foras na Mara amach i mbliana bhí a ról sa Ghrúpa Comhordaithe Muirí chomh maith leis an bhfoilseachán *Feidhm a bhaint as Saibhreas Ár nAigéin – Plean Comhtháite Muirí d'Éirinn* a d'fhoilsigh an Rialtas i mí Iúil i ndiaidh próiseas rathúil comhairliúcháin phoiblí a reáchtáladh i rith mhí Feabhra agus mhí an Mhárta 2012.

In earnáil an iascaigh mhara, cuireadh *Leabhar Bliantúil na Stoc 2012*, ar teaghlaim é de chomhairle bainistíochta ar gach ceann de na speicis tráchtála a ndéantar iascaireacht orthu in uisce na hÉireann, ar fáil don Roinn Talmhaíochta, Bia agus Mara ag tús mhí na Nollag chun faisnéis a chur chuig caibidlí Chomhairle an AE maidir le hiascaigh a bhain leis an nGabháil Iomlán is Incheadaithe (TAC). Is ábhar misnigh é gur léirigh sé stádas feabhsaithe in iascaigh áirithe agus go raibh líon níos airde de stoic á ngabháil ar bhealach inbhuanaithe in 2012 i gcomparáid le 2011.

Sheachaid an Foras raon seirbhísí reachtúla monatóireachta chun tacú le sábháilteacht bhia mara agus leis an timpeallacht mhuirí a chosaint, lena n-áirítear clár náisiúnta monatóireachta bitocsainí, an clár náisiúnta maidir le rialú iarmhair (i mbia mara), Treoir an AE maidir le Sláinte Éisc a chur i bhfeidhm agus clár náisiúnta monatóireachta na míolta éisc.

Ina theannta sin sheachaid an Foras na gnéithe bunriachtanacha Chreat-Treoir na Straitéise Mara (MSFD) chomh maith leis na gnéithe monatóireachta cois cósta agus inbhir den Chreat-Treoir Uisce. Chríochnaigh an Foras an bailiú sonraí bonnlíne a theastaíonn chun cuspóirí caomhantais a leagan amach maidir le láithreáin mhara Natura 2000, rud a chuidigh le tuilleadh dul chun cinn a dhéanamh ar Mheasúnuithe Cuí ar ghníomhaíochtaí lascaigh agus Dobharshaothraithe. Mar gheall air seo, fuarthas réiteach ar roinnt saincheisteanna ceadúnaithe a eascraíonn as na hoibleagáidí atá ag Éirinn faoi na Treoracha maidir le hÉin agus Gnáthóg.

Chuir na hÁrthaí Taighde Náisiúnta dianchlár suirbhé i gcrích ag soláthar ardán náisiúnta taighde atá bunriachtanach i dteannta le deiseanna tábhachtacha oiliúna do mhic léinn tríd leibhéil tríd an gclár “Scientists@Sea” a d'eagraigh Comhaontas Straitéiseach Mara um Thaighde agus Oiliúint (SMART).



Shínigh an Dr Peter Heffernan, Príomhoifigeach Feidhmiúcháin Foras na Mara, agus an tUasal Liu Qing, Leas-Uachtarán Acadamh na Síne um Eolaíochtaí Iascaigh (Chinese Academy of Fishery Sciences), Meabhrán Tuisceana le linn cuairt trádála chun na Síne i gcuideachta an Uasail Simon Coveney, T.D., an tÁire Talmhaíochta, Bia agus Mara

Thug an Fhoireann um Ardseirbhísí Léarscáilithe faoi léarscáiliú ghrinneall na farraige chomh maith le fáil sonraí don chlár INFOMAR i limistéir thosaíochta ar chósta an deiscirt agus an oirdheiscirt. Rinne an fhoireann suirbhéanna chun tacú le forbairt na hearnála in-athnuaite muirí agus dobharshaothraithe atá amach ón gcósta.

Leanadh le *Straitéis Chasadh na Taoide – Straitéis Nuálaíochta, Taighde agus Faisnéise Mara d'Éirinn*, 2007–2013 a chur chun feidhme i 2012, agus bhí infheistíocht bhreise €3.5m ann faoi Fhochlár Taighde Mara an NDP arna riar ag Foras na Mara. Fágann sé seo gurb ionann an infheistíocht iomlán faoi Fhochlár Taighde Mara an NDP go dtí seo agus €60.5m.

Lean Oifig Forbartha Muirí na hÉireann le tacaíocht a thabhairt d'fhorbairt earnálacha seirbhísí loingseoireachta agus muirí. I mí Mheán Fómhair d'fhoilsigh sí tuarascáil *The Irish Ports Offshore Renewable Energy Services (IPORES)* faoi chalafoirt na hÉireann agus a stádas i ndáil le riachtanais agus seirbhísí fuinnimh in-athnuaite amach ón gcósta a chomhlíonadh. Foilsíodh an chéad Athbhreithniú Bliantúil ar chuntais chalafoirt i nDeireadh Fómhair 2012 agus baineadh leas as an anailís freisin chun eolas a chur ar fáil do bhreithniúcháin ar bheartais níos leithne maidir le calafoirt. I mí an Mheithimh, d'óstáil IMDO Comhdháil Eorpach na Loingseoireachta Gearrthuais i mBaile Átha Cliath ar fhreastail 150 toscaire ó Éirinn agus ón Eoraip uirthi.

I rith na bliana, ceapadh beirt ó fhoireann bainistíochta sinsearaí Foras na Mara le poist idirnáisiúnta d'ardghradam. Cheap an Coimisinéir um Thaighde, Nuálaíocht agus Eolaíocht, Máire Geoghegan-Quinn, Uasal, an Príomhoifigeach Feidhmiúcháin, an Dr Peter Heffernan ar Bhord an Limistéir Eorpaigh um Thaighde agus Nuálaíocht (ERIAB). Tá 11 chomhalta ar bhord ERIAB a chuireann comhairle ar an gCoimisinéir faoi shaincheisteanna a bhaineann le forbairt an Limistéir Taighde Eorpaigh, lena n-áirítear an clár €80 billiún atá beartaithe, Clár Deiseanna Nua 2020 um Thaighde agus Nuálaíochta (2014–2020). Ceapadh an Dr Paul Connolly, Stiúrthóir Seirbhísí Comhairleacha um Éiceachórais Iascaigh ag Foras na Mara, mar Uachtarán ICES, an Chomhairle Idirnáisiúnta um Thaiscéalaíocht na Mara.

Bronnadh creidiúnú ar an leibhéal is airde ar an Institiúid sa scéim ‘Scothsheirbhísí ó Scothfhostaithe’ faoin gCaighdeán NSAI – ETP 1000:2012. Is é seo caighdeán náisiúnta na hÉireann le haghaidh bainistíocht acmhainní daonna a bhfuil sé mar aidhm leis feidhmiú ina uirlis chun gnó a fheabhsú chomh maith le hathrú agus nuálaíocht a spreagadh, agus foghlaim, forbairt agus rannpháirtíocht na bhfostaithe a chur chun cinn freisin de réir spriocanna na heagraíochta.

Ní fhéadfaí éachtaí den sórt sin a bhaint amach gan tiomantas Phríomhfheidhmeannach, lucht bainistíochta agus fhoireann Foras na Mara, a choinnigh fócas ar leith i dtreo ár gcomhfhíse a bhaint amach, is é sin “geilleagar mara a mbeidh borradh faoi gan dochar dár n-éiceachórais mhuirí agus chósta agus a mbeidh ár gcuid scothsheirbhísí mar thaca leis.”

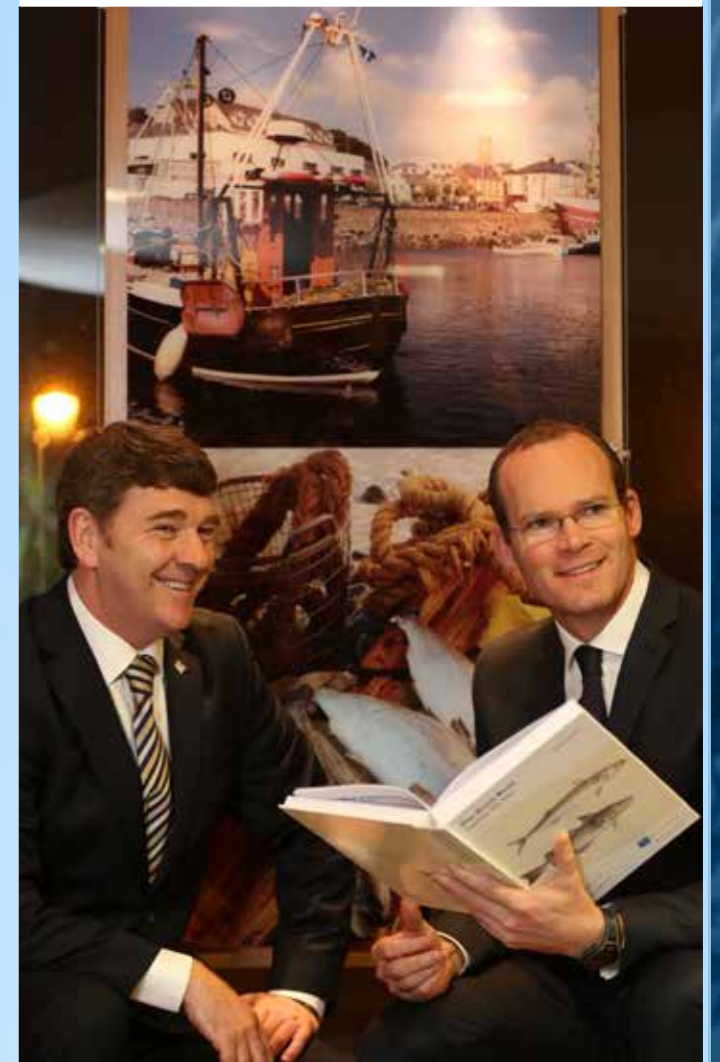
Mar fhocal scoir, ba mhaith liom fíorbhuíochas a ghabháil leis na daoine seo a leanas as a seirbhísí dhílis ar an mBord le linn a dtéarma cúig bliana ar tháinig deireadh leis i 2012: an tUas. Richie Flynn, an tOllamh Bernie M Hannigan, an Dr Eleanor O'Higgins, an Dr Emer Rogan agus an tUas. Michael Walsh. Ba mhaith liom freisin fáilte a chur roimh chomhaltaí nua ar an mBord, an tUas. Paul Hyde agus an tUas. David Owens.

An tUas. Jim Fennell
Cathaoirleach



An Dr Peter Heffernan, Príomhoifigeach Feidhmiúcháin Foras na Mara, Máire Geoghegan-Quinn, an Coimisinéir um Thaighde, Nuálaíocht agus Eolaíocht agus an Taoiseach, an tUasal Enda Kenny

“Lean Foras na Mara lena cheangaltais reachtúla a sheachadadh ag cur comhairle agus seirbhísí eolaíochta ar fáil chun tacú le forbairt inbhuanaithe na hearnála mara.”



Leabhar na Stoc 2012 á thabhairt ag an Dr Peter Heffernan, Príomhoifigeach Feidhmiúcháin Foras na Mara chuig an Uasal Simon Coveney T.D., an tÁire Talmhaíochta, Bia agus Mara



Tá clochmhíle sroichte againn i 2012 i leith chúrsaí mara na hÉireann. Sheol an Rialtas próiseas comhairliúcháin phoiblí i mí Feabhra 2012 ag lorg tuairimí ó shaoránaigh maidir leis an mbealach is fearr chun feidhm a bhaint as an gcumas iontach atá in acmhainní móra mara na hÉireann, agus leanadh é sin i mí Iúil leis an bhfoilseachán *Feidhm a Bhaint as Saibhreas ár nAigéin – Plean Comhtháite Muirí d'Éirinn*. Leagtar amach sa phlean uailmhianach seo trí ardspríoc le baint amach: geilleagar muirí a bhíonn rath faoi, éiceachórais sláintiúla, agus ár ngníomhú i gcúrsaí farraige a mhéadú.

Is éard atá sa straitéis plean chun luach shaibhreas aigéin na hÉireann a dhúbláil chuig 2.4% den OTI faoi 2030 agus láimhdeachas ár ngeilleagar aigéin a mhéadú go dtí os cionn €6.4 billiún faoi 2020. Le linn an phlean a sheoladh ag ceanncheathrú Fhoras na Mara, Gaillimh i mí Iúil, dúirt an Taoiseach, Enda Kenny TD, “is plean dinimiciúil atá anseo a chinnteoidh fíс bhuanasheasmhach dúinn – chun ár gcumas a fheabhsú go mór mar náisiún agus mar dhaonra le feidhm a bhaint as saibhreas ár n-aigéin. Tá sé mar rún daingean ag an Rialtas go mbeidh sé ina phríomhchuid dár dtéarnamh geilleagrach agus d'fhás inbhuanaithe, rud a chothódh tairbhí sóisialta, geilleagracha agus cultúrtha dár saoránaigh ar fad”.

Tá an plean laistigh de chreat an chomhthéacs dá bhfuil sa chlár taighde Eorpaigh agus i mí Mheán Fómhair thug an Coimisinéir um Thaighde, Nuálaíocht agus Eolaíocht, Máire Geoghegan-Quinn, Uasal, cuairt ar Fhoras na Mara in éineacht le Robert-Jan Smits, Ardstiúrthóir, an Ardstiúrthóireacht um Thaighde, Nuálaíocht agus Eolaíocht. Ghlac siad páirt i gcomhrá comhstádaís le hoifigh Rialtais agus leis na ceannasaithe eagraíochtaí um thaighde agus nuálaíocht in Éirinn. Ba chuid lárnach den phlé eatarthu an dá thuarascáil Éireannacha, *Feidhm a Bhaint as Saibhreas ár nAigéin – Plean Comhtháite Muirí d'Éirinn* (Iúil 2012) agus an *Tuarascáil an Ghrúpa Stiúrtha um Beartú Tosaíochta Taighde* (Márta 2012), i dteannta leis na sineirgí a meastar a bheith ann le Straitéis Fáis Ghoirm an AE, Deiseanna Nua 2020 agus Straitéis an AE don Atlantach.

Leagadh béim freisin ar an tslí bhunriachtanach a gcuireann an mhuireolaíocht go mór leis an tsochaí i dtuarascáil an Rialtas maidir le Beartú Tosaíochta Taighde arna foilsíodh i mí an Mhárta 2012. Léirítear inti go soiléir na deiseanna atá ann d'fhás eacnamaíoch trí thaighde a dhéanamh sna réimsí: bia mara, idir iascaigh san fhiántas agus an dobharshaothraithe araon; fuinneamh in-athnuaite mara agus feidhmeanna TFC sa chomhshaoil mara (bunaithe ar an gcoincheap SmartOcean); agus bia mara don tsláinte.

Cuireadh béim sa tuarascáil freisin ar an ngá atá le “taighde ar fhorbairt beartais” mar thacaíocht do na réimsí tosaíochtaí. Tá taighde mar seo ríthábhachtach chun tacú le forbairt inbhuanaithe dár n-acmhainní mara trí thuiscint níos fearr a fháil ar fheidhmí éiceachórais mhuirí agus ar na seirbhísí agus bithéagsúlacht éiceolaíochta a fhaigheann tacaíocht ón éiceachóras sin. Tá an taighde seo ar bheartais fíorthábhachtach freisin chun tacú le hoibleagáidí idirnáisiúnta agus oibleagáidí an AE, amhail Creat–Treoir na Straitéise Mara, a chur i bhfeidhm.

I rith 2012, leanadh lenár bpróiseas oiriúnaithe pleanála atá mionsonrach agus cuimsitheach, i dteannta le héifeachtúlacht leanúnach agus sábháil costais, nithe lenar cinntíodh go raibh ár n-oibleagáidí faoi Chomhaontú Pháirc an Chrócaigh comhlánaithe agus lenar tacaíodh le Clár an Rialtais maidir le hAthchóiriú na hEarnála Poiblí. Imríonn ár bhfoireann ról lárnach chun ár gcláir oibre a sheachadadh go rathúil, agus dhíríomar isteach ar ardmheanma a chothú i measc na foirne agus meas a léiriú dá gcaighdeán oibre agus dá ndílseacht.

Sheachaid an Foras raon cláir reachtúla monatóireachta chun tacú le sábháilteacht bhia mara agus chun an muirthimpeallacht a chosaint, lena n-áirítear Clár Náisiúnta Monatóireachta na mBitocsainí, an Clár Náisiúnta

maidir le Rialú Iarmhair (i mbia mara), agus Treoir an AE maidir le Sláinte Éisc a chur i bhfeidhm.

Sheachadamar freisin príomhghnéithe Chreat–Treoir na Straitéise Mara agus na Creat–Treorach Uisce i gcomhar leis an Roinn Comhshaoil, Pobail agus Rialtais Áitiúil agus gníomhaireachtaí stáit eile, le cuidiú ó chonraitheoirí seachfhoinsithe.

Leabhar Bliantúil na Stoc 2012 – cuireadh teaghlaim de chomhairle bainistíochta ar gach ceann de na speicis tráchtála a ndéantar iascaireacht orthu in uisce na hÉireann, ar fáil don Roinn Talmhaíochta, Bia agus Mara ag tús mhí na Nollag chun faisnéis a chur ar fáil do chaibidlí Chomhairle an AE maidir le hiascaigh a bhain leis an nGabháil Iomlán is Incheadaithe (TAC) agus leis na cuótaí iascaigh don bhliain 2013. Chomh maith leis sin d'fhoilsigh an Foras *Atlas of Irish Groundfish Trawl Surveys* in mí na Bealtaine 2012. San Atlas léirítear na príomhthorthaí ó shuirbhéanna eolaíochta na hÉireann ar stoic an éisc ghil agus ar stoic an éisc dhomhainmhara laistigh den Chrios Eisiach Iascaigh 200 míle ag Éirinn agus tugtar léargas ann ar dháileadh agus flúirse na speiceas éisc, idir óg agus fásta, atá sna huiscí timpeall na hÉireann.

Cuireann na hárthaí taighde náisiúnta ardán bunriachtanach taighde ar fáil agus rinneadh athoiriúnú cúig bliana ar an dá ártach a tugadh chun críche ag tús 2012. Cuireadh na hárthaí faoi dhianchlár suirbhéireachta agus chuir an *RV Celtic Explorer* 16 shuirbhé i gcrích arbh ionann iad agus 291 lá eolaíochta agus chuir an *RV Celtic Voyager* 27 shuirbhé i gcrích arbh ionann iad agus 272 lá eolaíochta. San áireamh leis seo bhí cairtífhóid i mí Aibreáin – Bealtaine 2012 a rinne an 'Centre for Fisheries and Ecosystems Research (CFER) de chuid Fhoras na Mara Thalamh an Éisc, Ceanada le suirbhé iascaigh a chur i gcrích thar 41 lá. Chuir na hárthaí taighde ardán tábhachtach oiliúna ar fáil do mhic léinn tríú leibhéil tríd an gclár oiliúna Science@Sea á reáchtáil ag an gComhaontas Straitéiseach Mara um Thaighde agus Oiliúint (SMART).

Thug foireann um Ardseirbhísí Léarscáilithe de chuid an Fhorais faoi shonraí a fháil ar ghrinneall na farraige le haghaidh chlár INFOMAR amach ó chósta an deiscirt agus an oirdheiscirt ar bord an *RV Celtic Voyager*. Bailíodh méid suntasach sonraí sa bhreis air sin mar chuid den 'Value Added Exploitation Programme'. Áirítear leis seo an síneadh a cuireadh le bealach an chábla den láithreán tástála i gCuan na Gaillimhe a éascóidh bealach leasaithe don tsuiteáil chábla beartaíthe le teacht i dtír sa Spidéal agus obair shuirbhé amach ón gcósta in iarthar chontae an Chláir i limistéar tosaíochta sainaitheanta ag an Marine Renewables Energy Association i gcomhairle le hÚdarás Fuinnimh Imharthana na hÉireann.

Bhí béim láidir ar chomhoibriú idirnáisiúnta in 2012, tréimhse ina ndeachamar i gcomhpháirtíochtaí taighde leis an Ríocht Aontaithe, leis an tSín agus le Stáit Aontaithe Mheiriceá. Shínigh mé Meabhrán Tuisceana, ar son Fhoras na Mara, i gcomhar leis an Uasal Liu Qing, Leas-Uachtarán Acadamh na Síne um Eolaíochtaí Iascaigh (Chinese Academy of Fishery Sciences) ag an Aireacht Talmhaíochta, Béising, an 16 Aibreán 2012. Is é an aidhm leis an Meabhrán Tuisceana comhoibriú a fheabhsú i dtaca le Teicneolaíocht agus Eolaíocht Iascaigh agus síníodh é le linn cuairt trádála chun na Síne i gcuideachta an Uasail Simon Coveney, T.D., an tAire Talmhaíochta, Bia agus Mara.

Bhunaigh Foras na Mara Meabhrán Tuisceana freisin le Lárionad Náisiúnta Aigéaneolaíochta (an Ríocht Aontaithe) (NOC/National Oceanography Centre), ar an 24 Aibreán, chun comhghníomhaíochtaí agus comhoibriú níos dlúithe a chothú idir Éire agus an Ríocht Aontaithe maidir le taighde mara, forbairt agus nuálaíocht.

Ina theannta sin bunaíodh Meabhrán Tuisceana idir Éire agus Roinn Fuinnimh na Stát Aontaithe dar shínigh mé ar son an Aire Cumarsáide, Fuinnimh agus Acmhainní Nádúrtha, Pat Rabbitte T.D. Tá an-acmhainneacht in aigéin na hÉireann a d'fhéadfadh foinse fuinnimh ghlain, ghlaís agus inbhuanaithe a chur ar fáil amach anseo. Táthar ag súil le síniú an Mheabhráin Tuisceana seo go bhfeidhmeoidh sé mar chatalaíoch d'fhorbairt teicneolaíochtaí nua i bhfuinneamh na mara a shlánóidh foinse fuinnimh ghlaís dúinn i dteannta le deiseanna tráchtála a chruthú freisin le haghaidh seirbhísí san earnáil seo atá ag

teacht chun cinn.

Le linn 2012, bhí an Foras gníomhach san Fhóram Atlantach – próiseas comhairliúcháin faoi Straitéis Atlantach an Aontais Eorpaigh chun plean gníomhaíochta a fhorbairt leis an straitéis a chur i bhfeidhm.

Ghlacamar páirt i roinnt imeachtaí for-rochtana amhail an rás deiridh de chuid Rás Aigéin Volvo i nGaillimh agus Fóram Oscailte Eolaíochta na hEorpa (ESOF 2012) i mBaile Átha Cliath. Chuir Foras na Mara go suntasach leis an dá imeacht seo araon i rith mhí an Mheithimh agus mhí Iúil. Bhí taispeántas againn i Sráidbhaile Domhanda Féile Aigéin Volvo in nGaillimh idir 30 Meitheamh – 8 Iúil, inar reáchtálar aonach gairme mara dar teideal 'Oceans of Opportunity' chun os cionn ochtú deis fostaíochta in earnáil na mara a chur chun cinn, tacaíthe Ar Líne le tairseach gréasáin www.marinejobs.ie. Ba é Foras na Mara a thionóil an Siompóisiam Atlantach ag Fóram Oscailte Eolaíochta na hEorpa (ESOF, 2012), ócáid a thug eolaithe agus lucht déanta beartas ón dá thaobh den Atlantach le chéile le fiosrú conas an teicneolaíocht atá ag teacht chun cinn a úsáid leis 'an ngeilleagar gorm' a chur ar aghaidh trí fhás eacnamaíochta cliste, inbhuanaithe agus cuimsitheach a chothú agus conas is féidir é sin a bhaint amach trí chomhoibriú trasatlantach i réimsí eolaíochta, teicneolaíochta agus nuálaíochta.

Ina theannta sin chuireamar imeacht muireolaíochta, ceoil agus litearthacht aigéin i láthair dar teideal 'The Longest River', a chuir eolaíocht agus teicneolaíocht na mara chun cinn trí mheán an cheoil, na filíochta, reacaireachta, léachtaí chomh maith le grianghrafadóireacht agus píosa scannáin inar léiríodh an domhainfharraige. Thionóil an Foras an chéad léiriú den tsraith National Geographic *Alien Deep* ag ESOF 2012, a thug léiriú ar an bhfionnachtain ar bord *RV Celtic Explorer* inar thángthas ar an gcraoscheantar hidriteirmeach Mhaigh Tuireadh (Moytirra). Seoladh an chéad léiriú teilifíse den chlár faisnéise in Éirinn i nDeireadh Fómhair agus é á chraoladh in os cionn 150 tír ar fud an domhain ina dhiaidh sin.

Chomhoibríomar den dara bhliain as a chéile le hollscoil na hÉireann Gaillimh chun 'Sea2Sky' a thabhairt go Gaillimh mar chuid den cheiliúradh ar Oíche na Taighdeoirí Eorpacha agus cuireadh Sea2Sky chomh fada le Corcaigh freisin tríd an Réadlann i gCaisleán na Carraige Duibhe. Bhí taispeántas ag an bhForas freisin ag ócáid na 16ú bliana d'Fhéile Eolaíochta agus Teicneolaíochta na Gaillimhe.

Lean Foras na Mara lena chlár Oideachais na dTaiscéalaithe a sheachadadh i gcomhar le comhpháirtíochtaí Galway Atlantaquaria, Ionad Oideachais na Gaillimhe, Bray Sea Life Centre, Ionad Oideachais na Carraige Duibhe, agus Lifetime Lab, Corcaigh. Déantar uisceadáin mhara a shuiteáil i seomraí ranga mar chuid den chlár agus áirítear ann freisin safari trá, imeachtaí for-rochtana chomh maith le hábhar acmhainní ranga a sheachadadh trí www.explorers.ie.

D'óstáil Foras na Mara an Chomhdháil SmartOcean den tríú bliain as a chéile, bliain inar tháinig Rás Aigéin Volvo go Gaillimh freisin. Reáchtáladh tionscnaimh nua, Malartú Nuálaíochta SmartOcean, mar chuid den imeacht a bhí ar siúl againn i Sráidbhaile Domhanda Rás Aigéin Volvo, áit inar thaispeáin 22 eagraíocht náisiúnta agus idirnáisiúnta a bhforbairtí i dteicneolaíocht mhara os comhair lucht féachana idirnáisiúnta.

Ba mhaith liom buíochas a ghabháil le lucht bainistíochta agus le foireann an Fhorais as a dtiomantas agus as a ndíograis leanúnach sna cúinsí dúshlánacha atá inár dtír faoi láthair. Mar fhocal scoir, gabhaim buíochas leis an gCathaoirleach agus leis an mBord as a dtreoir, as a dtacaíocht agus

Peter Heffernan

as a dtiomantas i rith na bliana.

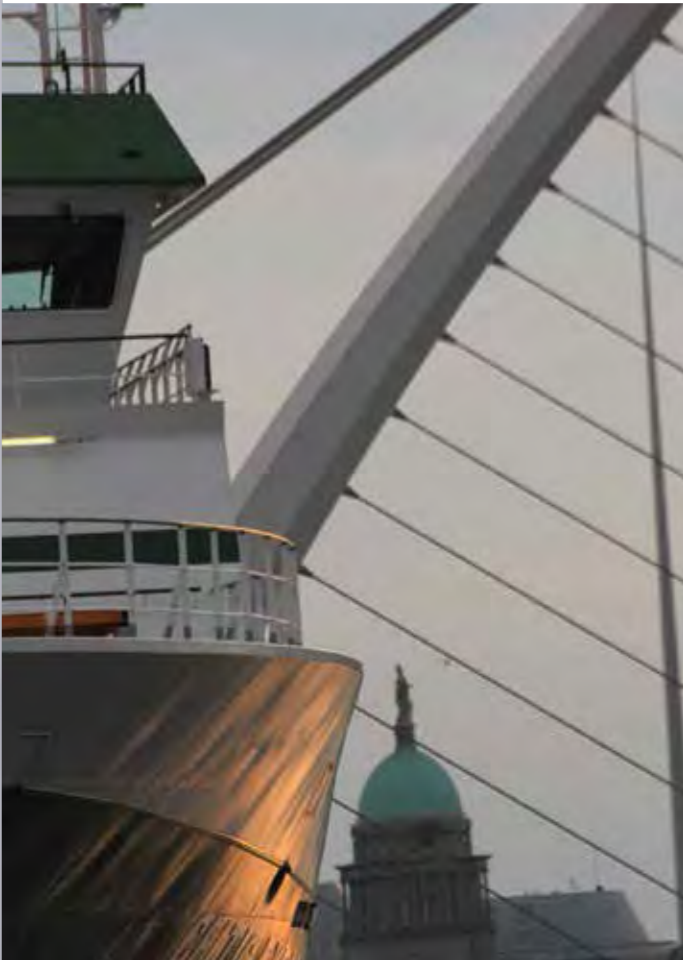
An Dr Peter Heffernan

Príomhfeidhmeannach



Sheol an Taoiseach Enda Kenny, T.D., an tuarascáil, *Feidhm a Bhaint as Saibhreas ár nAigéin – Plean Comhtháite Muirí d'Éirinn* ag Foras na Mara, Gaillimh.

“Is plean dinimiciúil atá anseo a chinnteoidh fíс bhuanasheasmhach dúinn – chun ár gcumas a fheabhsú go mór mar náisiún agus mar phobal le feidhm a bhaint as saibhreas ár n-aigéin.”



Bhí an *RV Celtic Explorer* ar taispeáint i mBaile Átha Cliath le linn ESOF 2012

Seirbhísí Corparáideacha



Ráiteas an Stiúrtóra

Mar gheall ar an lánchosc ar earcaíocht san earnáil phoiblí agus ar na brúnna fíoscacha agus ar an timpeallacht a bhí deacair ó thaobh na heacnamaíochta de, socraíodh mar chuspóir don bhliain 2012 go leanfar ar aghaidh le luach ar airgead a uasmhéadú do chustaiméirí ar mhodh an-éifeachtúil. Bhí

seo bainte amach trí chomhoibriú le comhlachtaí eile agus trí sheirbhís shofhreagrach agus dhinimiciúil a sholáthar chomh maith le haird leanúnach a thabhairt don tréanrialachas corparáideach.

I measc bhuaicphointí 2012 bhí siad seo a leanas:

- Gradam Platanam 'Scotshseirbhís ó Scothfhostaithe' (ETP) a bhaint amach mar Chreidiúnú ón Udarás um Chaighdeán Náisiúnta na hÉireann (NSAI) – ETP 1000:2012. Is é seo caighdeán náisiúnta na hÉireann le haghaidh bainistíocht acmhainní daonna. Tá dhá phríomhchuspóir leis an gcaighdeán: feidhmiú ina uirlis chun gnó a fheabhsú chomh maith le hathrú agus nuálaíocht a spreagadh, agus foghlaim, forbairt agus rannpháirtíocht na bhfostaithe a chur chun cinn freisin de réir spriocanna na heagraíochta.
- Leanadh le straitéis *Casadh na Taoide – Straitéis Nuálaíochta, Taighde agus Faisnéise Mara d'Éirinn 2007–2013* a chur chun feidhme le linn 2012, agus bhí infheistíocht bhreise de €3.5m faoi Fhochlár Taighde Mara an Phlean Forbartha Náisiúnta (NDP) arna riar ag Foras na Mara. Fágann sé seo gurb ionann an infheistíocht iomlán faoi Fhochlár Taighde Mara an NDP go dtí seo agus €60.5m.
- Le linn 2012, ghlacamar páirt i roinnt imeachtaí tábhachtacha for-rochtana agus poiblí ar bhonn náisiúnta agus idirnáisiúnta, amhail Féile Rás Aigéin Volvo na Gaillimhe, Fóram Oscailte Eolaíochta na hEorpa (ESOF 2012) i mBaile Átha Cliath, agus Sea2Sky i nGaillimh agus i gCorcaigh. Thug na himeachtaí sin deiseanna don Fhoras teagmháil a dhéanamh le pobail nua.
- Cuireadh próifíl dhearfach i leith Foras na Mara agus straitéis *Casadh na Taoide* in iúl trí úsáid chuimsitheach a bhaint as cumarsáid leictreonach agus as cumarsáid bunaithe ar an nGréasán, rud a bhí soiléir de thoradh an 274,560 duine a thug cuairt ar www.marine.ie
- Leanadh den Rialachas Corparáideach de bheith ina thosaíocht thábhachtach do Sheirbhísí Corparáideacha, agus tuairiscíodh uasleibhéil dearbhairte ar raon leathan rialuithe chuig Bord Foras

Catherine Johnston

na Mara sna hiniúchtaí rialta inmheánacha.

An tUasal Caroline Bocquel

Stiúrthóir: Seirbhísí Corparáideacha

Acmhainní Daonna

Príomhghníomhaíocht a bhí ar bun ag an bhFoireann Acmhainní Daonna ab ea tacaíocht a thabhairt don Fhoras chun seirbhísí agus clár d'ardchaighdeán a sheachadadh de réir roinnt Tionscnamh Straitéiseach. Bhí an Chairt um Acmhainní Daonna mar bhonn taca leis an tseirbhís réamhghníomhach atá dírithe ar réitigh a sholáthar.

Sa bhliain 2012 bhain Foras na Mara amach Creidiúnú Platanam 'Scotshseirbhís ó Scothfhostaithe', gradam atá ar an leibhéal is airde faoin gCaighdeán NSAI – ETP 1000:2012. Léirítear leis an gcreidiúnú seo infheistíocht leanúnach an Fhorais i dtreo feidhmíocht a fheabhsú trí fhoireann Foras na Mara a bhainistiú agus a fhorbairt go héifeachtach. Cuireadh feabhas ar an gCóras leictreonach um Bainistiú agus Fhorbairt Feidhmíochta i 2012 lena chinntiú go mbeadh sé níos éasca le húsáid agus níos éifeachtúla ó thaobh ama de.

Léiríodh an tábhacht atá le hinfeistíocht agus forbairt a chothú inár bhfoireann inár gClár Foghlama agus Forbartha le linn 2012. I dteannta le clár atá dírithe ar oiliúint bhunriachtanach agus fhorbarthach chun tacú le clár oibre criticiúla maidir le gnó a sheachadadh, áiríodh Forbairt Phearsanta agus Forbairt Bainistíochta leis an sprioc Foghlama agus Forbartha ag Foras na Mara don bhliain 2012. Chlúdaigh sé sin Bainistíocht agus Pleanáil Straitéiseach, Airgeadas do Bhainisteoirí nach Bainisteoirí Airgeadais iad, chomh maith le Folláine Intinne agus Cothromaíocht Éifeachtach Oibre is Saoil. Bhí luach ar airgead agus toradh ar infheistíocht mar chuid lárnach den chlár agus baineadh úsáid leanúnach as uirlisí agus ábhair fhoghlama ar de chineál Ar Líne nó féinfhoghlama iad.

I bhfianaise an lánchoisc leanúnaigh ar earcaíocht san earnáil phoiblí, i measc na ngníomhaíochtaí a tugadh faoi sa réimse sin rinneadh dáreag chéimithe nua-cháilithe (Stagiaires) a earcú faoi chlár taithí oibre a mhaireann caoga seachtain agus atá i bhfeidhm thar raon disciplíní eolaíochta, teicniúla agus riaracháin. Bhí an-rath ar fad leis an gclár sin agus fuair 89% de na Stagiaires post san earnáil phoiblí nó san earnáil phríobháideach, nó thug siad faoi bhreis ardoideachais nuair a chríochnaigh siad a socrúcháin oibre le Foras na Mara.

Tairgeadh 27 deis Intéirneachta, go príomha thar réimse leathan eolaíochta, do dhaoine ar an mbeochlár. Tá ag éirí go hiontach leis an gclár seo maidir le hinfhostaitheacht na n-intéirneach a fheabhsú, agus fuair 67% díobh poist i ndiaidh a socrúcháin JobBridge le Foras na Mara.

Maidir leis an gClár Cáilíochta Creidiúnaithe do Shláinte agus Sábháilteachta san Fhoras, thionóil an Coiste, a ionadaíonn láithreáin agus gníomhaíochtaí uile na heagraíochta, ocht gcruinniú le linn 2012, ag cur chun cinn agus ag tacú leis an tábhacht a bhaineann le sláinte agus sábháilteacht ar fud gach saoráide de chuid Foras na Mara. Maidir le Sláinte, Sábháilteacht agus Folláine na bhFostaithe, i rith 2012 tarraingíodh aird ar chleachtais éifeachtacha sábháilteachta agus folláine san ionad oibre, le linn a bheith ag taistil agus sa bhaile.

Airgeadas

Tá Foras na Mara tiomanta do na caighdeáin is airde rialachais chorpáidigh a choinneáil agus do chomhlíonadh an Chóid Chleachtais athbhreithnithe maidir le Rialachas Comhlachtaí Stáit a foilsíodh i 2009.

Faoi mhaoirseacht an Choiste Iniúchta Inmheánaigh, lean Foras na Mara le hiniúchtaí inmheánacha a dhéanamh i 2012, agus dhearbhaigh gach ceann díobh rialachas d'ardchaighdeán san Fhoras, arna chinntiú dá réir go bhfuil córas éifeachtach rialaithe inmheánaigh á chothú agus á chur i bhfeidhm. Sa bhliain 2012 rinneadh iniúchtaí inmheánacha ar na nithe seo a leanas: an Ráiteas ar Rialú Inmheánach Airgeadais, an Cód Cleachtais, Pleanáil Leanúnachas Gnó agus Bainistíocht Acmhainní Daonna. Bhí tuarascáil 'Súil Siar' ann freisin inar fóiríodh go raibh na moltaí curtha i bhfeidhm maidir le sé thuarascáil ar iniúchtaí inmheánacha a rinneadh roimhe seo.

Leantar leis an éiteas agus leis an aird láidir maidir le soláthar poiblí ar fud Foras na Mara, agus eisíodh 36 tairiscint i 2012, agus foilsíodh ceithre cinn díobh in Iris Oifigiúil na gComhphobal Eorpach. Bhí ceannach láraithe ina mhodh éifeachtach éifeachtúil chun costais a laghdú i 2012.

Is é beartas Foras na Mara gach sonrasc a íoc go pras. Leagadh síos córais agus nósanna imeachta le go mbeifear in ann sonraisc a leanúint agus lena chinntiú go ndéanfar fócaíochtaí roimh an dáta dlite. Déantar sonraisc a logáil go laethúil sa rannóg airgeadais, agus fiosraítear iad go córasach lena chinntiú go bpróiseálfa iad gan mhoill. Eisítear fócaíochtaí de réir mar is gá chun seirbhís phras agus éifeachtúil a áirithiú.

Saoráidí

Lean foireann na saoráidí le seirbhísí den scoth a sholáthar maidir le custaiméirí, tionscadal, foireann, stóras, cothabháil agus seirbhísí cúntacha eile chun saoráidí an Fhorais a bhainistiú i nGaillimh, i mBaile Uí Fhiacháin agus i mBaile Átha Cliath, i dteannta le roinnt láithreán réigiúnach eile. Cuireadh scoth na seirbhísí duine le duine ar fáil dár gclaint agus dár bpáirtithe leasmhara chun cuidiú le gach uile Chlár de chuid Foras na Mara a sheachadadh. Freagraíodh ar os cionn 14,400 fiosrúchán teileafóin a tháinig isteach.

Bhí coigilteas costais agus soláthar éifeachtach i measc phríomhchuspóirí an Fhorais i rith 2012 agus d'úsáid ár seirbhís stórais córas láraithe chun tomhaltáin saotharlainne a cheannach. Ina theannta sin, mar gheall ar shocrúithe comhoibríocha soláthair le gníomhaireachtaí agus le heagraíochtaí eile bhíomar in ann costais a shábháil i 2012 faoi raon tairiscintí comhoibríocha i gcomhar le comhlachtaí eile, Feidhmeannacht na Seirbhísí Sláinte san áireamh, agus tríd an tSeirbhís Náisiúnta Soláthair.

Leanadh le béim faoi leith a chur ar sholáthar straitéiseach maidir le luach ar airgead a sheachadadh do chustaiméirí agus do pháirtithe leasmhara.

I measc oifigí agus shaotharlanna Fhoras na Mara, is i ndáil le soilse, téamh, cumhacht agus uisce a úsáidtear fuinneamh go príomha. Sa bhliain 2012 d'úsáid Foras na Mara 3,232,234 kWh de leictreachas, 22,626 lítear de Chéirín agus 442,177 lítear de bhuilc gás própáin.

Tá an rianaire SEAI do bhillí fuinnimh in úsáid ag rannóg na saoráidí ó bhí 2010 ann, agus tugadh faoi raon tionscnamh eile chun feidhmíocht fuinnimh a fheabhsú san Fhoras.



John Perry, an tAire um Ghnóthais Bheaga le Catherine Bocquel, Stiúrthóir Seirbhísí Corparáideacha agus Catherine Johnston, Bainisteoir Acmhainní Daonna ó Fhoras na Mara, Maurice Buckley Príomhfheidhmeannach NSAI agus Paul O'Toole FÁS ag bronnadh Ghradaim an Udarais um Chaighdeán Náisiúnta na hÉireann – Scotshseirbhís ó Scothfhostaithe

“Sa bhliain 2012 bhain Foras na Mara amach Creidiúnú Platanam 'Scotshseirbhís ó Scothfhostaithe', gradam atá ar an leibhéal is airde faoin gCaighdeán NSAI – ETP 1000:2012”



Foras na Mara agus Cois Cladaigh ag cur i láthair 'The Longest River' – imeacht ceoil, ealaíon agus litearthacht muireolaíochta le linn ESOF 2012

Seirbhísí Corparáideacha



Ó sheol an leabharlann Stór Rochtana Oscailte Fhoras na Mara (<http://oar.marine.ie/>) i 2011, tá ag éirí go hiontach leis maidir le hinrochtaineacht ar fhoilseacháin. Sa Stór tá leaganacha digiteacha den téacs iomlán i bhfoilseacháin Fhoras na Mara lena n-áirítear Tuarascálacha Bliantúla, tuairiscí eolaíochta, ailt a ndearnadh piarmheasúnú orthu, páipéir ó chomhdhálacha, bileoga eolais, acmhainní oideachais agus tráchtas MSc agus PhD. Tá feidhm cartlainne ag an Stór freisin agus coinnítear ann go leictreonach seantuiriscí agus seanpháipéir, amhail Fiosrúcháin lasaigh na hÉireann (ó 1965) agus Bileoga Eolais lasaigh na hÉireann (ó 1938).

Faoi dheireadh 2012, bhí 744 foilseachán sa Stór agus tugadh 15,156 cuairt air i 2012, is é sin 21,917 cuairt san iomlán ó lá a sheolta i mí an Mhárta 2011. Tá cuairt tugtha ag 48 tír éagsúil air go dtí seo. Gné shuntasach den stór is ea go bhfuil táscairí feidhmíochta ar fáil a léiríonn cé chomh minic a bhreathnaítear ar fhoilseacháin nó a dhéantar iad a íoslódáil agus na tíortha as a ndéantar é sin. De thoradh gur féidir na taifid uile atá sa Stór a chuardach trí Google agus innill chuardaigh eile, tá infheictheacht agus tionchar taighde fhoilseacháin Fhoras na Mara méadaithe go mór, mar aon leis an dóchúlacht go luafar iad. Le bunú an Stóir, déantar cinnte go bhfuil Foras na Mara ag comhlíonadh sainorduithe ó chomhlachtaí maoiniúcháin, idir náisiúnta agus idirnáisiúnta, a éilíonn go mbeadh na foilseacháin uile a eascaíonn as an maoiniú curtha i stór ar rochtain oscailte.

Cumarsáid

Thacaigh Oifig Cumarsáide Fhoras na Mara le roinnt imeachtaí tábhachtacha ar bhonn náisiúnta agus idirnáisiúnta i 2012 agus seachadadh cumarsáid spriocdhírthe ar phríomhpháirtithe leasmhara de chuid an Fhorais trínár suíomh gréasáin www.marine.ie in éineacht le hardáin leictreonacha eile, trí ghníomhaíochtaí oideachais agus for-rochtana agus trí chlár caidrimh spriocdhírthe leis na meáin. Tugadh 274,560 cuairt ar shuíomh gréasáin an Fhorais www.marine.ie i rith na bliana agus bunaíodh próifílí meán sóisialta de chuid Facebook agus LinkedIn chun teagmháil le páirtithe leasmhara a mhéadú.

Ghlac Foras na Mara páirt i Sráidbhaile Domhanda Rás Aigéin Volvo, agus d'óstáil sé Comhdháil SmartOcean agus Malartú Nuálaíochta i nGaillimh le linn mhí Iúil 2012. Chuir an Foras taispeántas ar bun freisin i mBaile Átha Cliath ag ESOF 2012, áit a raibh Feithicil Chianoibrithe (ROV) *Holland 1* de chuid an Fhorais ar taispeánt i bhFéile Idirnáisiúnta na hEolaíochta idir 12–15 Iúil. Maidir leis an imeacht 'The Longest River' – meascán litearthachta mara, ceoil agus eolaíochta, léiríodh an tábhacht a bhaineann le muireolaíocht ann agus cuireadh i láthair é os comhair lucht féachana idirnáisiúnta le linn ESOF 2012. Le linn Fhéile Rás Aigéin Volvo, reáchtáil Foras na Mara aonach gairme mara agus seoladh an suíomh gréasáin www.marinejobs.ie chun deiseanna in earnáil na mara a chur chun cinn. Bhí taispeántas ag an bhForas freisin i bhFéile bhliantúil Eolaíochta agus Teicneolaíochta na Gaillimhe i mí na Samhna.

Thacaigh an Foras leis an tuarascáil Rialtais, *Feidhm a Bhaint as Saibhreas ár nAigéin – Plean Comhtháite Muirí d'Éirinn* a ullmhú agus a fhoilsiú, agus sheol an Taoiseach, Enda Kenny, T.D. an tuarascáil i gceanncheathrú Fhoras na Mara an 31 Iúil 2012. Rinne an Foras físeán bolscaireachta faoin tuarascáil a cuireadh ar fáil Ar Líne chun saibhreas aigéin na hÉireann a chur chun cinn agus béim a leagadh ar an acmhainneacht atá ann le haghaidh fostaíochta a chruthú.

Bhí 44 scoil ar chósta an Iarthair, lena n-áirítear Contaetha na Gaillimhe,

Mhaigh Eo agus an Chláir rannpháirteach sa chlár mara oideachais "Explorers" do bhunscoileanna arna sheachadadh ag Atlantaquaria. Ar an gcósta Thoir, ghlac sé scoil páirt sa chlár tríd an Ionad Sea Life i mBré a rinne uisceadáin a shuiteáil i seomraí ranga i scoileanna le tacaíocht ón Ionad Oideachais na Carraige Duibhe. Cuireadh an clár ar bun i gCorcaigh den dara bliain as a chéile i gcomhar leis an Lifetime Lab, Coláiste na hOllscoile, Corcaigh. Cuireadh 21 ceardlann muireolaíochta ar fáil do 14 bhunscoil agus 590 scoláire i gCathair Chorcaí agus i gContae Chorcaí.

Chomhoibrigh Foras na Mara le hOllscoil na hÉireann, Gaillimh (OÉ Gaillimh), Galway Atlantaquaria agus Réadlann Chaisleán na Carraige Duibhe, Corcaigh chun an dara himeacht Sea2Sky – Oíche na dTaighdeoirí Eorpacha (European Researchers Night) a reáchtáil. Bhí os cionn 300 cathair rannpháirteach in Oíche na dTaighdeoirí Eorpacha ar fud na hEorpa. Mar chuid d'imeacht aon lá / oíche amháin, d'éirigh go rathúil i nGaillimh agus i gCorcaigh araon le taighde Éireannach ar ábhar muirí, atmaisféir agus réalteolaíochta a chur i láthair os comhair an phobail.

Fuarthas 1135 amas meán i 2012 de thoradh ar 38 preaseisiúint agus 32 nuashonrúchán nuachta ar shuíomh gréasáin Fhoras na Mara.

Chuir an Foras roinnt scéalta muirí chun cinn a bhí le feiceáil chun tosaigh sna meáin ar fud na bliana. Áirítear ina measc seoladh Thuarascáil an Rialtais, *Feidhm a Bhaint as Saibhreas ár nAigéin i mí Iúil*. Fuarthas tuairisceoireacht fhorleathan náisiúnta sna meáin nuair a sheoladh an chéad taibhsiú teilifíse in Éirinn den chlár faisnéise de chuid National Geographic, *Alien Deep* inar tugadh léiriú ar na craois hidriteirmeacha a d'aimsigh foireann eolaithe ar Dhroim an Atlantaigh Láir ag baint úsáide as an ROV *Holland 1* ar bord an RV *Celtic Explorer*. I measc scéalta eile a bhí clúdaithe sna meáin tuairiscíodh ar an dul chun cinn agus ar éifeachtaí a bhain le blás algach suntasach a bhuail imeallbhord an Iarthuaiscirt le linn Iúil agus Lúnasa, agus bhí tuairiscí ann freisin faoin imeacht 'Sea2Sky' i Meán Fómhair. Tuairiscíodh sna meáin faoi Mheabhrán Tuiscéana a shínigh an Dr Peter Heffernan, Foras na Mara ar son Aire Cumarsáide, Fuinnimh agus Acmhainní Náidúrtha, Pat Rabbitte T.D. i mí an Mhárta 2012 le Roinn Fuinnimh na Stát Aontaithe maidir le chomhthaighde ar fhuinneamh in-athnuaite. Lena chois sin, clúdáíodh síniú Meabhrán Tuiscéana idir Éire agus an tSín maidir le teicneolaíocht agus eolaíocht iascaigh i mí Aibreáin. Tarraingíodh aird na meán clóite, raidió agus teilifíse ar bhonn náisiúnta nuair a seoladh suíomh gréasáin www.marinejobs.ie agus aonach gairme mara ag Féile Rás Aigéin Volvo.

Fuarthas tuairisceoireacht shuntasach nuair a d'fhoilsigh IMDO The Irish Maritime Transport Economist i mí Aibreáin agus torthaí Loingseoireachta a tuairiscíodh i mí Lúnasa.

Aonad Bainistíochta Chasadh na Taoide agus Oifig Taighde

Ba í 2012 an bhliain leathdheireanach den téarma do *Straitéis Chasadh na Taoide – Straitéis Nuálaíochta, Taighde agus Faisnéise Mara d'Éirinn 2007–2013*. I rith na bliana, bhí díreach os cionn €2.5m infheistithe faoi Fhochlár Taighde Mara an NDP arna riar ag Foras na Mara. Tá liosta iomlán d'infheistíochtaí nua i 2012 ar fáil in Aguisín 1. Fágann an infheistíocht i 2012 gurb ionann an infheistíocht iomlán faoi Fhochlár Taighde Mara an NDP agus €60.5m (2007–2012). Úsáideadh formhór (99%) na hinfeistíochta 2012 chun tacú le taighde (147 lá) agus le cláir oiliúna fhochéime/iarchéime (61 lá) ar bord na n-árthaí taighde náisiúnta RV *Celtic Explorer* agus RV *Celtic Voyager*. Tugadh faoi thaighde inar tugadh aghaidh ar na réimsí téamacha seo a leanas: iascaigh (cur chuige éiceachórais um bainistíocht), dobharshaothrú (blás algach díobhálach), aigéaneolaíocht/athrú aeráide, geolaíocht mhuirí, teicneolaíocht mhara

agus bithéagsúlacht/bithfhionnachtain mhara. Cuireadh cláir oiliúna ar fáil do mhic léinn ó 11 Institiúid Ardoideachais, trí mhodúil shonracha struchtúrtha agus chreidiúnaithe nó trí chúrsaí cineálacha ildisciplíneacha.

Sa bhliain 2012, cuireadh athbhreithnithe lárthéarmacha i gcrích i ndáil le roinnt tionscadal mór fadtéarmach (cúig go seacht mbliana) arna maoiniú ag Foras na Mara. Bhí na hathbhreithnithe cuimsitheacha seo, arna stiúradh ag painéil saineolaithe idirnáisiúnta, ceaptha chun gníomhaíochtaí agus dul chun cinn go dtí seo a mheas agus chun moltaí a dhéanamh maidir le scóip agus treoir le haghaidh na dtionscadal amach anseo. Fuarthas athbhreithniú dearfach i leith na dtionscadal go léir agus aontaíodh ar chlár oibre leanúnacha don chuid eile dá dtéarmaí.

Infheistíodh €5.2m breise, trí chlár iomaíochta eile (e.g. HEA, SFI, EPA, IRCSET), i dtaighde dírithe ar aghaidh a thabhairt ar spriocanna *Chasadh na Taoide*. Chuimsigh sé sin deontas suntasach (€2.3m) a fuair Foras na Mara, faoi scéim Fhondúireacht Eolaíochta Éireann um Bonneagar Taighde, le haghaidh cábla snáthoptaice /cábla cumhachta a shuiteáil i láithreán tástála fhuinneamh na mara / SmartBay i gCuan na Gaillimhe.

Leanadh go rathúil le taighdeoirí mara na hÉireann maidir le cláir mhaoiniúcháin iomaíochta an AE (e.g. FP7 agus INTERREG), agus dámhadh deontais dar luach €6.1m i 2012 díobh. Fágann sé seo gurb ionann agus €53m méid carnach na ndéontas a dámhadh ar thaighdeoirí mara Éireannacha i dtimthriall reatha an AE (2007–2012). Tá thart ar €180m san iomlán infheistithe anois i ngníomhaíochtaí mara/taighde atá bainteach le cúrsaí mara in Éirinn thar ré straitéis *Casadh na Taoide*.

I rith 2012, bhí Foras na Mara rannpháirteach leis an nGrúpa Gníomhaíochtaí um Beartú Tosaíochtaí, arna thionól ag an Rialtas chun maoirsiú a dhéanamh ar sheachadadh an chláir thosaíochta taighde. Foilsíodh tuarascáil an Ghrúpa Stiúrtha um Beartú Tosaíochta Taighde i mí an Mhárta 2012, inar sainaitíodh bun-spriocréimsí taighde chun an toradh eacnamaíoch is airde ar infheistíocht a áirithiú. I measc na 14 Réimse Tosaíochta a moltar sa tuarascáil seo tá deiseanna suntasacha ann chun tacú le hacmhainní mara na hÉireann a fhorbairt. Go sonrach, tá aitheantas soiléir tugtha do réimsí amhail Fuinneamh In-Athnuaite Muirí, Teicneolaíocht Faisnéise agus Cumarsáide Mara (TFC) agus Bia Mara mar réimsí tosaíochta d'infheistíocht. Tá réimsí tosaíochtaí eile ann ina gcuirtear deiseanna ar fáil le hacmhainní mara a chumasú laistigh de réimse na Biteicneolaíochta Mara, mar shampla ábhair mhara a úsáid mar fhoinsé lena bhféadfaí drugaí agus ábhair nua a fhionnachtain (e.g. athdhéanamh cnáimh agus bith-ghliúna).

Mar fhocal scoir, i dtús 2012 tugadh ról níos leithne don Oifig Taighde le go nglacfaidh sí le freagracht as tacaíocht a thabhairt d'fhoireann Fhoras na Mara i ngach réimse seirbhíse a bhaineann le bainistíocht agus riarachán airgeadais i dtionscadail taighde atá maoinithe ag an AE. Cinntítear leis an gcur chuige lártaite seo buanseasmhacht i nósanna imeachta maidir le riarachán tionscadail agus uasmhéadaíonn sé an tarraingt anuas ar mhaoiniú an AE. Tá tacaíocht á cur ar fáil do 25 tionscadal faoi láthair, dar luach os cionn €3.2m don Fhoras ó thaobh deontais de.

Inrochtaineacht

Chloígh an Foras go hiomlán le forálacha an Achta um Míchumas le linn 2012.

Labhraíonn an tUasal Thomas Furey ó Fhoras na Mara le Máire Geoghegan-Quinn, an Coimisinéir



Labhraíonn an tUasal Thomas Furey ó Fhoras na Mara le Máire Geoghegan-Quinn, an Coimisinéir Eorpach um Thaighde, Nuálaíocht agus Eolaíocht ag ócáid Sea2sky i nGaillimh.

“Ba é 2012 an bhliain leathdheireanach de théarma Straitéis Chasadh na Taoide – Straitéis Nuálaíochta, Taighde agus Faisnéise Mara d'Éirinn 2007–2013.”



An Dr Louise Allcock, OÉ Gaillimh agus an Dr Margaret Rae, Foras na Mara/OÉ Gaillimh, in éineacht leis an ROV *Holland 1*, a úsáideadh le linn an tsuirbhé bithéagsúlachta ar an gCórás Cainneoin Whittard. Rinneadh an suirbhé seo faoi straitéis Chasadh na Taoide agus faoi Fhochlár Taighde Mara an Phlean Forbartha Náisiúnta 2007–2013.

Oifig Forbartha Muirí na hÉireann



mbliana ó tugadh Córas Cháin Tonnáiste na hÉireann isteach i 2012. D'ullmhaigh Oifig Forbartha Muirí na hÉireann (IMDO) an cás bunaidh gnó thar ceann Rialtas na hÉireann agus rinne an Coimisiún Eorpach é a fhaomhadh ina dhiaidh sin faoina Chúnamh Stáit chuig Iompar Muirí. Tá poist nua agus deiseanna infheistíochta cruthaithe le haghaidh breis is 600 duine de thoradh na scéime agus í fós ag fás go leanúnach. Measann IMDO go bhfuil os cionn €3 billiún

de shócmhainní loingseoireachta á mbainistiú agus á rialú ó Éirinn faoi láthair.

Ó tugadh isteach an cháin tonnáiste i 2002, tá aisiompú feicthe ag IMDO ar an gcúlú a bhí ann roimhe sin in earnáil na n-úinéirí longa Éireannacha agus chonacthas clár seasmhach fáis agus infheistíochta ó shin i leith. Ba iad na cuideachtaí loingseoireachta bunaithe na hÉireann agus an infheistíocht isteach ó ghnólachtaí iasachta a spreag fás an tionscail in Éirinn.

Samhail iontach atá i gCóras Cháin Tonnáiste na hÉireann maidir le seasamh réamhghníomhach ó Rialtas d'fhonn stop a chur le cúlú earnála agus maidir leis an tionscal freisin a oibríonn leis na bearta seo chun poist nua agus infheistíocht a sheachadadh. Tá an tarraingt a bhaineann le hardán seasmhach, chomh maith leis an timpeallacht iomaíoch gnó atá ag méadú, le tairiscint ag Éirinn d'infheistíochtaí dúchasacha agus eachtracha araon agus is nithe bunriachtanacha iad le haghaidh fáis i seirbhísí idirnáisiúnta loingseoireachta in Éirinn amach anseo.

Ba mhór an méid oibre a chuir an oifig i gcrích agus a scaipeadh i 2012, rud atá léirithe i dTuarascáil Bhliantúil na bliana seo. Chlúdaigh Straitéis Chorpáraídeach 2012 de chuid IMDO 21 cuspóir sonrach dá phríomhchláir i gceithre réimse théamacha: Comhairle faoi Bheartas; Forbairt Gnó; Anailís ar an Margadh; agus Tacaíocht Oideachais.

Glenn Murphy

An tUas. Glenn Murphy

Stiúrthóir: Oifig Forbartha Muirí na hÉireann

Béim ar Earnáil Loingseoireachta agus ar Chalafoirt na hÉireann

Mar a bhíodhas ag súil leis, ba dhúshlánach an bhliain í 2012 do chuideachtaí loingseoireachta agus calafoirt a bhí ag oibriú san earnáil loingseoireachta intíre agus idirnáisiúnta araon. Leanadh d'iarmhairtí na géarchéime eacnamaíochta domhanda a tharla i 2008 leis an saol a shuaithheadh ar feadh na bliana ar fad anuraidh, rud a chuir bac ar aon fhilleadh ar ais go dtí fás domhanda go luath amach anseo. Ní nach ionadh mar sin, sa timpeallacht chiúin mhaicreacnamaíoch a bhí ann, nach raibh mórán athruithe i méideanna na loingseoireachta i rith 2012. Níor tugadh faoi deara aon fhás ach sa mhargadh builc thirim. B'ábhar inní é an moilliú ar earnáil na heaspórtála agus an cúlú uirthi ina dhiaidh sin sa dara ráithe den bhliain. D'fhan cuma dhiúltach freisin ar allmhairí sa trádáil príomha coimeádáin, in ainneoin an ráta maolaithe a bheith moillithe go dtí a leibhéal is ísle ó bhí 2007 ann.

Leanann IMDO ar aghaidh ag obair go dlúth le Calafóirt na hÉireann ar

fud an oileáin. Ina theannta sin bíonn idirghníomhaíocht agus cruinnithe rialta idir IMDO agus na príomhchuideachtaí loingseoireachta a chuireann seirbhísí sceidealta ar fáil isteach agus amach ó Éirinn ar bhonn rialta agus bhí os cionn 120 cruinniú ann le linn 2012.

Fócas ar Fhorbairt Gnó agus ar mhargai Loingseoireachta Idirnáisiúnta

Is córas sonrach cánach é córas Cháin Tonnáiste na hÉireann le haghaidh cuideachtaí um bainistiú agus úinéireacht longa atá lonnaithe in Éirinn agus tá sé mar chrann taca ag an bhfás a tháinig ar an gcuid seo den mhargadh. Ó tugadh isteach é in 2002, tá an scéim méadaithe ó thart ar 60 ártach go dtí os cionn 400 ártach atá faoi úinéireacht, faoi bhainistíocht agus á n-oibriú ag cuideachtaí atá lonnaithe in Éirinn i 2012. Ón mbliain 2010, tá níos mó ná 100 post nua cruthaithe ag cuideachtaí cliaint IMDO atá ag oibriú sa scéim seo, agus tá beagán faoi 450 duine fostaithe ag a n-oibríochtaí seirbhísbhunaithe in Éirinn. Tá ról lárnach ag na cuideachtaí seo freisin maidir le fostaíocht in ardseirbhís breisluaicha sa bhraisle seirbhísí níos leithne lena n-áirítear seirbhísí bainc, cuntasalochta, bróicéireachta agus gnéithe eile de bhraisle sheirbhísí loingseoireachta na hÉireann. Oibríonn an oifig ar bhonn leanúnach leis an IDA agus le gníomhaireachtaí eile chun thionscadail nua loingseoireachta d'infheistíocht isteach a d'fhéadfadh a bheith ann a shainaithint.

Níor mhór do chuideachtaí Cháin Tonnáiste bunaithe in Éirinn déileáil arís le dálaí luaineacha thar na príomh-mhargai loingseoireachta idirnáisiúnta i 2012, agus le líon na seachadtaí níos mó ná riamh i gcodanna áirithe díobh leanadh den sárú soláthair tonnáiste ar an éileamh domhanda. Tháinig fás 7% ar an gcabhlach domhanda, é sin déanta den chuid is mó le méadú ar an earnáil bhuilc a bhí beagnach 9%, méadú 5.5% ar an gcabhlach coimeádáin agus méadú beag 2.7% ar an gcabhlach taincéir. De bharr barraíocht sa soláthar long, bhí rátaí cairtfhostaithe agus tuilleamh airgid fós faoi bhrú. Leanadh den straitéis 'slow steaming' (ina sábháiltear breosla ar luas faoi 20 muirmhíle san uair) a bheith cabhrach, ach faoi dheireadh na bliana tháinig méadú 12% ar líon na longa a bhí díomhaoin. Le cois an chúla trádála a bhí níos laige, leanadh leis an ardú costais ar bhreosla agus ar nithe eile, ach ar ráta ardaíthe níos moille ná mar a bhí sna blianta roimhe sin. In ainneoin sin, ghlac roinnt úinéirí Éireannacha dearcadh fadbhreathnaitheach ar na margai agus thart ar dhosaen long nua ordaithe ag cuideachtaí bunaithe in Éirinn. Bliain dhúshlánach a bhí ann i 2012 don úinéir longa.

Anailís Mhargaidh & Tacaíocht Beartais

Mar chuid dá ghnáthról laethúil, rinne IMDO faoi anailís rialta ar mhargai loingseoireachta in Éirinn agus thar lear. Úsáideann IMDO an anailís seo chun eolas a thabhairt don Rialtas agus don earnáil phróbháideach araon, i ndáil le cinntí tábhachtacha beartais agus infheistíochta, agus i ndáil le tuarascálacha margaidh a foilsítear freisin. Tugann IMDO comhairle agus tacaíocht beartais rialta don Roinn Iompair, Turasóireachta agus Spóirt (DTTAS). D'oibrigh IMDO go dlúth le DTTAS i rith 2012 ag ullmhú Beartais nua do Chalafoirt na hÉireann agus foilseofar é i mí an Mhárta 2013. Mar chuid den phróiseas sin rinne IMDO anailís shonrach ar réimsí tábhachtacha a bhaineann le beartas amach anseo. D'oibrigh an oifig le roinnt Comhlachtaí Stáit eile anuraidh a bhí ag tabhairt faoi thionscadail nó staidéir bainteach leis an bhfarraige, an tUdarás Iomaíochta agus Forfás ina measc.

I mí an Mhárta chuir IMDO *Athbhreithniú Bliantúil ar chóras Cháin Tonnáiste na hÉireann 2011* i gcrích, oibleagáid éigeantach ón gCoimisiún Eorpach agus coinníoll atá i bhfeidhm faoin rialú ar chúnamh stáit. Ina theannta sin chomhordaigh IMDO comhairliúchán Tionscail ar na

treoirlínte reatha um chúnamh stáit mhuirí agus baineadh úsáid as chun bonn eolais a chur faoi fhreagairt náisiúnta a cuireadh isteach i mí Aibreáin.

Foilsíonn IMDO feasacháin ráithiúla bhliantúla iompair agus tráchta mhuirí ina soláthraítear sain-anailís ar mhargai calafort agus loingseoireacht na hÉireann. Is é IMDO freisin a chuireann an fhaisnéis le chéile chun an *Annual Maritime Transport Economist* a fhoilsiú, agus foilsíodh é i mí Aibreáin. D'fhoilsíomar 50 achoimre sheachtainiúil freisin maidir le loingseoireacht agus le margai geilleagracha.

Sa bhliain 2012, rinne IMDO athbhreithniú ar an bhfoilsiú ar líne dá sraith athbhreithnithe maidir le trádáil loingseoireachta i bhformáid nua. Is athbhreithniú thar 14 thír é an Shipping Trade Review ina gcuimsítear sonraí maidir le trácht loingseoireachta idir Éirinn agus na príomh-comhpháirtithe muirí Eorpacha. Ghin an córas 3,500 iarratas ar fhaisnéis ó na sonraí a foilsíodh ar líne.

I mí Mheán Fómhair d'fhoilsigh IMDO an tuarascáil *Irish Ports Offshore Renewable Energy Services* (IPORES).

I mí Dheireadh Fómhair d'fhoilsigh IMDO *Review of Port Financial Accounts* den chéad uair. Baineadh leas as an anailís freisin chun bonn eolais a chur faoi bhreithniúcháin níos leithne ar bheartais do chalafoirt. Déantar eachtarshuíomh ar phríomhshonraí ó na ráitis airgeadais sa staidéar agus tugtar athbhreithniú comparáideach ar fheidhmíocht airgeadais na gcalafoirt ann.

Imeachtaí agus Foilseacháin IMDO

I mí Aibreáin d'fhoilsigh IMDO an 9^ú heagrán bliantúil dá foilseachán *The Irish Maritime Transport Economist*, a seoladh ag cruinniú faisnéise tionscail i mBaile Átha Cliath ar fhreastail feidhmeannaigh shinsearach a éarnáil Chalafoirt agus Loingseoireacht na hÉireann air.

I mí an Mheithimh, d'óstáil IMDO Comhdháil Eorpach na Loingseoireachta Gearrthuais i mBaile Átha Cliath. Ba é an tAire Iompair, Turasóireachta agus Spóirt, Leo Varadkar T.D. a thug an spreagaitheasc ag an gcomhdháil ar fhreastail 150 toscaire ó Éirinn agus ón Eoraip uirthi. Tá an oifig ag tacú le "Gradam Loingseoireachta Gearrthuais Chumann Onnmhaireoirí na hÉireann" ag gradaim bhliantúla Chumann Onnmhaireoirí na hÉireann ón uair ar bunaíodh é. Ba é Stena 'Cuideachta Loingseoireachta Gearrthuais na Bliana' i 2012.

Tacú le Forbairt Oideachais

Sa bhliain 2012 thug Scéim Cúnamh Oideachais do Mharaithe na hÉireann (ISEAS) maoiniú deontais don líon is mó daltaí a bhí ann riamh, agus bhain 123 dalta agus 12 chuideachta leas as fochaíochtaí oiliúna ar muir agus as tacaíocht chuideachta. Déanann IMDO Scéim ISEAS an rialtais a bhainistiú agus a riar. Ina theannta sin, chuir IMDO cúnamh deontais ar fáil do 15 maraithe a lig dóibh deimhnithe ní b'airde a bhaint amach i dtaobh inniúlacht ghairmiúil, cúrsa tiontaithe na Scipéirí Iascaireachta san áireamh.

Lean an clár IMDO atá tiomnaithe do scoileanna Follow the Fleet le go leor suim a spreagadh le breis agus 1,421 bunscoil rannpháirteach anois ar bhonn náisiúnta agus tá for-rochtain fhéideartha ar bhreis agus 55,000 dalta scoile. Bhí an t-iriseoir muirí mór le rá, an tUasal Tom McSweeney, ina chathaoirleach ar an gcomórtas bliantúil idir scoileanna, agus ba í Scoil Bhríde Naofa as Cinn Mhara a fuair an phríomhdhuais. Chuaigh IMDO i gcomhpháirtíocht nua le hArd-Mhúsaem na Mara a úsáideann Follow the Fleet mar chuid dá chlár turas scoile chuig a ionad nuachóirithe i nDún Laoghaire.



D'óstáil IMDO Comhdháil Eorpach na Loingseoireachta Gearrthuais i mBaile Átha Cliath i 2012.

"Is iad na cuideachtaí loingseoireachta atá bunaithe in Éirinn agus an infheistíocht isteach ó ghnólachtaí iasachta a spreag fás an tionscail in Éirinn."



D'fhoilsigh IMDO an 9^ú heagrán dá foilseachán bliantúil *The Irish Maritime Transport Economist*, agus seoladh é ag cruinniú faisnéise tionscail i mBaile Átha Cliath.

Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia



Ráiteas an Stiúrtóra

Reachtáil Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia (MEFS) roinnt cláir monatóireachta reachtúla ag Foras na Mara mar thacaíocht le sábháilteacht sliogéisc agus cosaint na Muirthimpeallachta le linn 2012. Áirítear orthu sin: Clár Náisiúnta Monatóireachta na mBitocsainí; an ghné i dtaobh sliogéisc den Chlár Náisiúnta maidir le Rialú Iarmhair; cigireacht agus monatóireacht ar ghluaiseachtaí stoc éisc agus sliogéisc a chur i bhfeidhm de réir mar a cheanglaítear faoi Threoir an AE maidir le Sláinte Éisc; agus Clár Náisiúnta Monatóireachta na Míolta Éisc. I dtaca leis na cláir seo, is é Foras na Mara an tSaotharlann Náisiúnta Tagartha le haghaidh monatóireacht a dhéanamh ar ghalair i sliogéisc, in éisc eite agus i gcrústaigh; bitocsainí; éilleáin mhicribhitheolaíochta i sliogéisc agus substaintí áirithe ceimiceacha i dobharshaothráthú.

I gcomhar leis an Roinn Comhshaoil, Pobail agus Rialtais Áitiúil (DECLG) agus le comhlachtaí stáit eile, agus le cuidiú ó chonraitheoirí seachfhoinsithe, sheachaid an Foras gnéithe bunriachtanacha Chreat-Treoir na Straitéise Mara agus na gnéithe monatóireachta cois cósta agus inbhir na Chreat-Treorach Uisce. Cuireadh an clár um bailiú sonraí bonnlíne chun cuspóirí caomhantais a leagan amach do láithreáin mhara Natura 2000 (Limistéir faoi Chaomhnú Speisialta agus Limistéir faoi Chosaint Speisialta) i gcrích in 2012. De thoradh sin bhíodhas in ann tuilleadh dul chun cinn a dhéanamh maidir le tabhairt faoi Mheasúnuithe Cuí ar ghníomhaíochtaí iascaigh agus dobharshaothraithe a d'fhéadfadh tionchar a bheith acu ar chuspóirí chaomhantais na láithreán seo, agus fuarthas réiteach ar chuid de na saincheisteanna ceadúnaithe ag eascairt as breithiúnas arna thabhairt ag an gCoimisiún Eorpach ag rá gur theip ar Éirinn ina n-oibleagáidí faoi na Treoracha maidir le hÉin agus Gnáthóga.

Tá córas láidir caighdeáin, creidiúnaithe ag an mBord Náisiúnta um Chreidiúnú, ina bhonn taca le seachadadh a lán de na cláir seo maidir le sábháilteacht bhia agus comhshaoil. Coinníodh an scóip creidiúnaithe maidir le caighdeán cáilíochta ISO 17025 i 2012 agus fuarthas creidiúnú i ndáil le dhá mhodh tástála sa bhreis, arb ionann é sin agus 36 ceann go hiomlán.

Gné thábhachtach den chlár oibre 2012 ab ea comhairle eolaíochta agus tacaíocht a chur ar fáil, lena n-áirítear réimsí amhail ceadúnais agus léasanna urthrá, ceadúnais dobharshaothraithe, diúscairt le cartadh dreideála ar muir, tacaíocht a thabhairt do Thascfhórsa Cumasóra an Ghrúpa Comhordaithe Mhuirí, agus do Bhainistiú Bánna Singile dobharshaothraithe.

Tá cur chuige comhoibríoch ina ghné thábhachtach den obair uile a leagtar amach thuas, agus a dhéantar i gcomhar leis an Roinn Talmhaíochta, Bia agus Mara (DAFM), le hÚdarás Sábháilteachta Bia na hÉireann (FSAI), leis an Údarás um Chosaint Iascaigh Mhara (SFPA), leis an Roinn Comhshaoil, Pobail agus Rialtais Áitiúil (DECLG); leis an nGníomhaireacht um Chaomhnú Comhshaoil (EPA), leis an tSeirbhís Páirceanna Náisiúnta agus Fiadhúlra (NPWS) agus le roinnt ranna agus gníomhaireachtaí eile de chuid an Rialtais.

Mar fhocal scoir, is gné chroí-lárnach é cláir taighde a thacaíonn leis na hoibleagáidí reachtúla agus idirnáisiúnta thuasluaite, amhail tuairisciú faoi réir Theoracha éagsúla an AE, OSPAR agus Chomhairle Idirnáisiúnta um Thaiscéalaíocht na Mara (ICES), agus leanann MEFS leis an obair thábhachtach seo ag an bhForas. I measc na bpríomh-aschur bhí foilseacháin in irisí a bhfuil athbhreithniú píarád déanta orthu chomh

maith le roinnt tuarascálacha éagsúla. Áirítear orthu sin foilseacháin ar raon leathan ceisteanna bainteach leis an muir amhail sábháilteacht bhia, sláinte éisc, pleanáil spásúil agus stádas comhshaoil agus rialú míolta éisc.

Caroline Bocquel

An tUasal Caroline Bocquel

Stiúrthóir Gníomhach: Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia

Comhairle

Sa bhlian 2012, rinne foireann MEFS, i gcomhar le comhghleacaithe ó Sheirbhísí Comhairleacha um Éiceachórais Iascaigh, maoirseacht ar chur i gcrích an bhailithe sonraí bonnlíne i láithreáin mhara Natura 2000. Cuirtear na sonraí bonnlíne ar fáil do NWPS chun cuspóirí caomhantais a shocrú do na láithreáin seo, agus dá bhrí sin, cuidíonn sé leis an bpróiseas Measúnuithe Cuí ar ghníomhaíochtaí iascaigh agus dobharshaothraithe. Rinneadh tuilleadh dul chun cinn i dtreo breis Measúnuithe Cuí a chur i gcrích i 2012.

I ndiaidh conartha arna dhámh ag an bhForas, ar son DECLG i 2011, bhí obair Chreat-Treoir na Straitéise Mara dírithe ar na nithe seo a leanas i 2012: sainchomhairle a sholáthar do na conraitheoirí seachtracha chun cuidiú leis an measúnú tosaigh ar stádas comhshaoil uiscí mara na hÉireann, Dea-Stádas Comhshaoil a chinneadh, spriocanna comhshaoil agus tascairí bainteacha a shocrú, agus Atlas Mara digiteach a fhorbairt.

Lean an fhoireann um Sábháilteacht Sliogéisc le comhairle a chur ar fáil don SFPA agus don FSAI maidir le sábháilteacht bhia i dtaobh sliogiasc, chun rialuithe leanúnacha oifigiúla a chur i bhfeidhm de réir na gclár monatóireachta maidir le bitocsainí sliogéisc agus rangú micribhitheolaíochta, ag feidhmiú inár ról mar Shaotharlann Náisiúnta Tagartha le haghaidh an dá réimse sin.

Sa bhlian 2012 cuireadh an próiseas um Bainistiú Bánna Singile i gcrích i ngach Bá a bhí gníomhach le feirmeoireacht éisc eite. Tá an próiseas ceaptha le cleachtais fhearachais a chomhordú ionas go gcloítear leis an dea-chleachtas agus go mbíonn córais stocála, bhranraithe agus chóireála i bhfeirmeacha aonair comhoiriúnach leis na socraithe i bhfeirmeacha comharsanachta. Is léir go bhfuil an próiseas um Bainistiú Bánna Singile an-éifeachtach chun míolta éisc a rialú agus chun teagmhais ghalair sna stoic a laghdú go foriomlán. Tugadh deich ndoiciméad um Bainistiú Bánna Singile, pleananna gníomhacha branraithe san áireamh, suas chun dáta i ndáil le gach uile oibreoir dobharshaothraithe d'éisc eite feadh an chósta i 2012.

Áirítear seo a leanas leis na réimsí eile inar thug foireann MEFS comhairle le linn 2012:

- Cuireadh comhairle ar an EPA maidir le ceisteanna maidir le diúscairt cartadh dreideála ar muir trí pháirt a ghlacadh ar Choiste Comhairleach na Gníomhaireachta maidir le Dumpáil ar Muir;
- Cuireadh comhairle ar an DECLG maidir le hiarratais ar Léasanna Urthrá agus ar Cheadúnais Urthrá trí pháirt a ghlacadh ar Choiste um Sheiceáil na gCeadúnais Mara de chuid na Roinne; agus
- Cuireadh comhairle ar an Roinn Talmhaíochta, Bia agus Mara maidir le hiarratais ar Cheadúnais Dobharshaothraithe.

Mar fhocal scoir, lean foireann MEFS freisin ag cur le hobair Choinbhinsiún OSPAR agus ICES, agus ag soláthar comhairle don Roinn Cumarsáide, Fuinnimh agus Acmhainní Náidúrtha agus don EPA, maidir le gnéithe áirithe comhshaoil atá bainteach le taiscéalaíocht agus táirgeacht hidreacarbóin amach ón gcósta.

Monatóireacht

Ba é 2012 an chéad bhliain iomlán inar úsáideadh anailísí ceimiceacha go heisiach chun Clár Náisiúnta Monatóireachta na mBitocsainí a chur chun feidhme. Fuarthas creidiúnú i leith dhá mhodh anailíse bhreise a éascóidh an t-aistriú ó bhithmheasúnachtaí. Clúdaítear sna tástálacha nua anailíseacha seo raon níos leithne tocsainí mara rialaithe agus chuidítear iontu le torthaí tástála a chur ar ais níos tapa ná mar a rinneadh roimhe seo. Taifeadadh tiúchan an-ard den tocsain sliogéisc Azaspiracid i sliogéisc feirme i rith na míonna samhraidh agus b'éigean láithreáin san iardheisceart a dhúnadh go forleathan agus go fadthréimhseach dá bharr.

Aimsíodh blás mór den fhíteaplancón atá marfach d'éisc *Karenia mikimotoi* ar feadh chósta an Iarthuaiscirt ó Mhaigh Eo go Dún na nGall agus i dtiúchan níos ísle ar an gcuid eile de chósta an Iarthair le linn na míonna Iúil agus Lúnasa, agus bhí tionchar mór ag an mblás sin ar bheatha mara agus ar shliogéisc sna ceantair seo. Bhí ard-dlús sa bhlás, agus fuarthas tuairiscí maidir le huisce dídhathach dearg nó donn i roinnt ceantar agus tuairiscíodh beatha mara marbh ag teacht i dtír ar líne an chladaigh i roinnt áiteanna freisin.

Tuairiscigh baill foirne MEFS a bhí ag obair sa Chlár Náisiúnta Monatóireachta ar Iarmhair go raibh bliain eile ann ina raibh an tionscal feirmeoireachta éisc lán-chomhlíontach, agus cuireadh comhairle ar fáil do FSAI agus don SFPA maidir leis na leibhéil éilleán i mbia mara.

Le linn 2012, thug Clár Náisiúnta Monatóireachta na Míolta Éisc faoi 254 scrúdú ar mhíolta éisc ar 23 láithreán tógála salmainide (bradán agus breac) a bhí gníomhach, ar aon dul le prótacal náisiúnta monatóireachta na míolta éisc (*Monitoring Protocol No.3 for Offshore Finfish Farms – Sea Lice Monitoring and Control, Department of Marine and Natural Resources (2000)*). Scaipeadh tuairiscí míosúla ar na torthaí monatóireachta chuig páirtithe leasmhara agus foilsíodh na sonraí ar fad le haghaidh 2012 i dtuarascáil bhliantúil.

Thar ceann an EPA agus DECLG, cuireadh clár forleathan monatóireachta comhshaoil i bhfeidhm i rith 2012 maidir le paraiméadair fhisiceiceimiceacha, substaintí tosaíochta, fíteaplancón agus fána beantach in uiscí inbhir agus cósta chun na ceanglais faoi Threoir na nUiscí Sliogéisc (Treoir 2006/113/CE) agus faoin gCreat-Treoir Uisce (Treoir 200/60/CE).

Sa bhlian 2012, rinneadh tástáil pataigine ar os cionn 3,000 iasc eite (Brádán go príomha, ach bhí breac dea-dhathach, Ruabhreac Rua, Liús agus cineáil eile éisc gharbh ina measc freisin) faoi chláir monatóireachta sláinte ina raibh samplaí diagnóiseacha tar éis a bheith curtha isteach chuig an tsaotharlann, nó de thoradh trialacha scagtha a tugadh fúthu ar son thionscal an dobharshaothraithe. Tá Éire fós saor ó ghalair liostaithe na n-iasc eite (*Faoi Threoir 2006/88/EC chomh maith leis na treoracha a chuimsítear faoi Chinneadh an Choimisiúin 2010/221/EU*). Tugadh faoi tástálacha i gcomhair galar freisin ar bhreis is 9,000 moileasc agus crústach, a thug aghaidh go príomha i dtaobh monatóireacht a dhéanamh ar an víreas heirpéis (OSHV-1 pvar) i measc oisrí an Aigéin Chiúin. Aimsíodh an víreas i dtírí bhá eile, rud a fhágann go bhfuair 26 bá san iomlán toradh tástála dearfaigh ina leith. Meastar go bhfuil líne an chósta ar fad saor ó *Bonamia ostreae*, ach amháin i gcás ocht mbá.

An tÚdarás Inniúil maidir le Sláinte Éisc

Sa bhreis ar na seirbhísí saotharlainne um shláinte éisc, ina gclúdaítear seirbhísí NRL (Saotharlann Náisiúnta Tagartha) i leith galair éisc, mhoilisc agus chrústaigh, tá an tAonad um Shláinte Éisc ina Údarás Inniúil maidir le Treoir ón gComhairle 2006/88/EC ('an Treoir maidir le Sláinte Éisc') a chur i bhfeidhm. Is í rannóg an Údaráis Inniúil a stiúrann obair na gCigirí Tréidliachta ón DAFM a oibríonn i réimse an dobharshaothraithe. In 2012, cuireadh 319 cigireacht i gcrích de réir na reachtaíochta; údaraíodh 1,800 gluaiseacht (allmhairí, onnmhairí agus gluaiseachtaí inmheánacha) i leith ainmhithe uisceacha beo; agus eisíodh Údarú Sláinte Éisc i gcás 13 chuideachta, rud a fhágann go bhfuil 417 Gnólacht Táirgthe Dobharshaothraithe údaraithe sa tír faoi láthair.

Taighde

Déanann MEFS taighde feidhmeach mar thacaíocht do chláir mhonatóireachta a sheachadadh agus chun bonn eolais agus treoir a thabhairt maidir le ceanglais reachtúla amach anseo. Bhí roinnt tionscadal ilbhliantúil i gcomhar le raon comhpháirtithe taighde náisiúnta agus idirnáisiúnta fós ar bun nó beagnach críochnaithe le linn 2012, lena n-áirítear:

- *Éifeachtaí Bitheolaíochta* – éifeachtaí bitheolaíochta agus anailís cheimiceach a chomhcheangal chun measúnú níos éifeachtaí a dhéanamh ar thruailliú in uiscí na hÉireann.
- *GilPat agus AquaPlan* – tugtar aghaidh sa dá thionscadal ar cheisteanna sláinte éisc i ndáil leis an earnáil dobharshaothraithe d'éisc eite in Éirinn.
- *Tionscadal Coiscithe Éalaithe (Prevent Escape Project)* (EU FP7 – an 7th Creat-Chlár) – a dhéanann iarracht leibhéal agus tionchar na gcoiscithe ó láithreacha éisc eite feirme a mheas, agus straitéisí a fhorbairt chun é seo a laghdú.
- *Bivalife* (maoinithe ag FP7) – tá sé de chuspóir ag an tionscadal eolas nuálaíoch a chur ar fáil maidir le patagainí a ionfhabhtaíonn oisrí agus diúilicíní agus cur chuige praiticiúil a fhorbairt leis na galair ionfhabhtaíochta a chuireann isteach ar na hainmhithe seo a rialú.
- *ASTOX II* – fuarthas tuilleadh eolais maidir leis an tocsaineolaíocht a bhaineann leis na tocsainí sliogéisc seo agus baineadh úsáid den chéad uair as modhanna móilíneacha chun dáileadh an speicis chúisigh *Azadinium spinosum* a mhapáil in uiscí an chósta nuair a tugadh faoi thuras taighde feadh chósta an deiscirt agus chósta an iarthair i mí Lúnasa.
- *ASIMUTH* (maoinithe ag FP7) – forbraíodh táirgí réamhaisnéise ag baint úsáide as samhlacha fisiceacha, satailíte agus sonraí *in situ* le réamhrabhadh ar bhlás tromchúiseach a chur ar fáil, rud a thabharfadh deis d'fheirmeoirí iasc agus sliogiasc a gcultúr agus a gcleachtadh bainte a oiriúnú in am, chun cailiteanais fhéideartha a laghdú.
- Tá raon tionscadal eile ann, ag leibhéal Msc agus PhD, i micribhitheolaíocht sliogéisc, i gceimic mhara agus i sláinte éisc.

Leanann Foras na Mara le tacaíocht a thabhairt do Chlár Náisiúnta na hÉireann um Biteicneolaíocht Mhuirí, go háirithe trí shaoráidí saotharlainne a sholáthar do thionscadail taighde atá ar bun in Ollscoil na hÉireann, Gaillimh faoi dhámhachtain Beaufort do Bhithfhionnachtain Mhara.

Seirbhísí Comhairleacha um Éiceachórais lascaigh



Ráiteas an Stiúirthóra

Ba ghné lárnach é den chlár oibre 2012 ag na Seirbhísí Comhairleacha um Éiceachórais lascaigh (FEAS) tacaíocht eolaíochta a chur ar fáil lena bhfreastalaítear ar riachtanais phríomhchliant agus phríomhpháirtithe leasmhara de chuid an Fhorais. Thug an Foras tacaíocht don Roinn Talmhaíochta, Bia agus Mara (DAFM) ag cruinnithe éagsúla de chuid an Aontais Eorpaigh agus chuir

siad Leabhar bliantúil na Stoc ar fáil ag am tráthúil. Bhí na rudaí seo rí-thábhachtach don idirbheartaíocht leis an Aontas Eorpach maidir le deiseanna iascaireachta inmharthanaí do chabhlach na hÉireann. Leanadh le cruinnithe Chomhpháirtíocht Taighde Eolaíochta lascaigh na hÉireann agus sainaitheandh an gá le suirbhéanna nua cloicheán. Tugann na torthaí ó na suirbhéanna seo faisnéis bhunriachtanach dúinn chun cuótaí Nephrops na hÉireann a bhainistiú. Tionóladh cruinnithe leis na hEagraíochtaí Neamhrialtasacha (NGOnna) comhshaoil in Éirinn ar bhonn rialta freisin. Leanadh leis na hidirbheartaíochtaí ar athchóiriú an Comhbheartais lascaigh le linn 2012 agus thug FEAS tacaíocht do DAFM ag a lán cruinnithe, go háirithe i ndáil leis an gcosc ar dhiúscairt agus leis an bPlean nua Ilbhliantúil um Bailiú Sonraí. Fuair FEAS €2.88 milliún i maoiniú ón AE i gcomhair an Chreata um Bailiú Sonraí (DCF) a thacaigh leis na cláir fhairsinge suirbhé a rinneadh i ndáil le calafoirt, sampláil mara agus le hárthaí taighde. Lean FEAS lena chuid oibre le pleananna bainistíochta lascaigh a fhorbairt do láithreáin NATURA. Cuireadh Atlas nua suirbhé ar fáil ina leagtar amach dáileadh agus flúirse speicis éisc ó chlár na hÉireann maidir le hÉisc Ghrinnill (2005 go 2011). Baineadh úsáid as na sonraí seo freisin sa mheasúnú ar bhitheagsúlacht éisc na hÉireann le haghaidh Chreat–Treoir na Straitéise Mara. Caitheadh cuid mhaith ama ag obair le baill foirne Foras na Mara chun *Feidhm a bhaint as Saibhreas Ár nAigéin – Plean Comhtháite Muirí d’Éirinn* a fhorbairt. Tráth a raibh timpeallacht dhúshlánach eacnamaíoch ann, lean FEAS ag teacht ar mhaoiniú breise ón AE d’fhonn seachadadh seirbhís eolaíochta a neartú agus luach a chur le sócmhainní sonraí atá ann cheana féin.

Paul P. Connolly

An Dr Paul Connolly

Stiúirthóir: Seirbhísí Comhairleacha um Éiceachórais lascaigh

An Creat um Bailiú Sonraí

Cuireann an DAFM dualgas ar Fhoras na Mara tabhairt faoi chlár oibre na hÉireann i ndáil le hoibleagáidí náisiúnta faoin gCreat um Bailiú Sonraí (DCF; Rialachán 199/2008 ó Chomhairle an Aontais Eorpaigh). Tacaíonn an DCF leis an mbailiú sonraí, an mbainistíocht sonraí, agus an gcomhairle eolaíochta atá ag teastáil chun an Comhbheartas lascaigh a chur i gcrích. Chuimsigh clár oibre 2012 clár cuimsitheach suirbhé áirthaí taighde, sampláil calafoirt ar chur i dtír na ngabhála, sampláil mara ar éisc aischurtha, próifíl aoise ar an acmhainn iascaigh, anailísí ar shonraí Logleabhar an AE agus ar shonraí Córais Monatóireachta Áirthaí. Tugadh faoi 175 turas breathnóireachta um shampláil mhara ar bord áirthaí iascaireachta Éireannacha san iomlán, agus bhí 8,349 lá eolaithe ar muir de thoradh sin. Tugann na turais bhreathnóireachta seo teagmháil díreach ‘ar talamh’ leis an tionscal, rud atá ríthábhachtach agus thar a bheith luachmhar do FEAS. Is iad na sonraí seo a bhailítear an bunábhar a úsáidtear chun measúnú a dhéanamh ar an acmhainn agus chun comhairle eolaíochta a fhorbairt lena

chinntiú go ndéanfar saothrú inbhuanaithe uirthi. Tomhaiseadh os cionn 400,000 iasc agus ríomhadh aois 43,000 iasc d’fhonn sonraí a sholáthar do na samhlacha measúnaithe stoic. D’oibrigh Foras na Mara go dlúth le BIM chun Clár Náisiúnta na hÉireann, 2012 a sheachadadh i gcomhair an Chreata um Bailiú Sonraí (DCF).

Suirbhéanna Áirthaí Taighde

Baintear úsáid as roinnt mhaith acmhainní airgeadais agus foirne de chuid FEAS chun clár suirbhé maidir le hárthaí taighde a sheachadadh don Chreat um Bailiú Sonraí (DCF). Rinneadh 12 shuirbhé iascaigh san iomlán ar an *RV Celtic Explorer*, ar an *RV Celtic Voyager* agus ar áirthaí tráchtála cairtfhostaithe sna huiscí amach ó Éirinn. Caitheadh 190 lá ar muir san iomlán ar na turais suirbhéanna agus tugadh faoi 1,237 lá eolaithe ar raon leathan suirbhéanna, lena n-áirítear suirbhéanna fuaimiúla ar fhaoitín gorm, ar thorciasc agus ar scadán, suirbhéanna teilifíse faoin uisce ar stoic Nephrops agus suirbhé na hÉireann ar éisc ghrinnill. Rinneadh na suirbhéanna uile seo a chomhordú tríd an gComhairle Idirnáisiúnta um Thaiscéalaíocht na Mara (ICES) agus bhí comhoibriú láidir idirnáisiúnta i gceist leis na tíortha seo a leanas: an Iorua, an Ríocht Aontaithe, an Ísiltír, an Fhrainc, an Spáinn agus an Ghearmáin. Baineadh úsáid as na sonraí seo i measúnuithe stoic idirnáisiúnta a bhí ina mbonn eolais faoi chomhairle eolaíochta ar dheiseanna iascaireachta do 2013.

Idirghníomhaíocht Páirtithe Leasmhara

Leantar le cruinnithe rialta a reáchtáil le páirtithe leasmhara mar ghné thábhachtach den obair a dhéanann FEAS. Caitheadh go leor ama agus fuinnimh ag obair leis an tionscal trí na Comhairlí Comhairleacha Réigiúnacha agus trí Chomhpháirtíocht Taighde Eolaíochta lascaigh na hÉireann. I measc na saincheisteanna móra ar tugadh fóthu, bhí forbairt Pleananna Bainistíochta éagsúla (e.g. Scadáin na Mara Ceilte), bainistíocht bheartaithe do Mheánna Nephrops Bhanc an Torcáin, agus tabhairt faoi shuirbhéanna breise tráil ar áirthaí tráchtála cairtfhostaithe. Baineadh úsáid as an suirbhé deireanach sin chun cur leis na sonraí a úsáidtear le comhairle a chur faoi staid na stoc Nephrops ar Bhanc an Torcáin. Tionóladh cruinnithe gach ráithe leis na hEagraíochtaí Neamhrialtasacha (NGOnna) comhshaoil (Colún Comhshaoil na hÉireann) chun eolas a thabhairt dóibh maidir leis an gcomhairle eolaíochta is déanaí. Thug FEAS tacaíocht don Roinn Cumarsáide, Fuinnimh agus Acmhainní Náidúrtha agus d’Iascaigh Intíre na hÉireann ag na comhairliúcháin náisiúnta le páirtithe leasmhara um eascanna, agus ag tabhairt cur i láthair i gCluain Meala, i mBaile Átha Luain, i gCora Droma Rúisc agus san Oireachtas.

Comhairle Eolaíochta

Cuimsíonn Leabhar na Stoc an chomhairle eolaíochta is déanaí ar fad faoi na stoic siúd a bhaineann le hÉirinn agus a thagann faoi shainchúram an Chomhbheartais lascaigh. Sheachadadh an leabhar seo chuig DAFM agus beidh sé ina chuid an-tábhachtach den idirbheartaíocht leis an AE maidir le deiseanna iascaireachta do chabhlach na hÉireann i 2013. Ina theanna sin, tá sé mar bhonn leis an ráiteas bliantúil inbhuanaitheachta maidir le stoic éisc a chuireann an tAire os comhair Dáil Éireann. Ghlac eolaithe FEAS páirt i mbreis agus 50 cruinniú de chuid sainghrúpaí idirnáisiúnta eolaíochta a reáchtáil ICES agus an Coiste Eolaíochta, Teicniúil agus Eacnamaíochta um Iascaigh. Tugadh faoi réimse leathan saincheisteanna eolaíochta maidir le soláthar comhairle eolaíochta chun tacú leis an gComhbheartas lascaigh. Rinne eolaithe FEAS cathaoirleacht ar phríomhghrúpaí eolaíochta lena n-áirítear: pleanáil don Uastoradh Inbhuanaithe; suirbhéanna áirthaí taighde a úsáid le haghaidh táscairí éiceachórais; comhairle ar Scadáin, comhairle ar elasmobranch; comhairle ar Eascanna; úsáid a bhaint as suirbhéanna áirthaí taighde le haghaidh measúnaithe agus comhairle; suirbhéanna ar



éiceachóras peiligeach agus úsáid na sonraí córais monatóireachta áirthaí (VMS) le comhairle a thabhairt. Bhí an obair ar acmhainní an iascaigh chladaigh, bradán agus eascann mar chuid thábhachtach de na cláir do 2012 freisin. Leanadh ag obair le BIM, leis an tSeirbhís Páirceanna Náisiúnta agus Fiadhúlra, leis an Roinn Comhshaoil, Pobail agus Rialtais Áitiúil, agus leis an Roinn Talmhaíochta, Bia agus Mara (DAFM) chun forbairt a dhéanamh ar bhearta iascaigh do láithreáin NATURA a chomhlíonadh ár n-oibleagáidí faoi Threoir an AE maidir le hÉin agus Gnáthóga. Cuireadh tuarascáil maidir le stádas agus bainistíocht iascaigh na n-oisrí dúchasacha in Éirinn i gcrích freisin. D’fhorbair FEAS cur chuige nua maidir le comhairle ar ghabháil bradán a sholáthar do 2013, ina gcuimsítear anailís riosca feabhsaithe maidir le réamhaisnéisí ar fhluirse bradán. Forbraíodh comhairle maidir le bradáin agus eascanna i gcomhar le lascaigh Intíre na hÉireann agus na Buanchoistí Eolaíochta do Bhradáin agus d’Eascanna. Rinne pearsanra FEAS cathaoirleacht ar na Buanchoistí Eolaíochta do bhradáin agus d’eascanna.

Saoráid Bhaile Uí Fhiacháin

Lean baill foirne FEAS i mBaile Uí Fhiacháin lena chuid oibre le tacair sonraí fhadtéarmacha fhisiceacha, cheimiceacha agus bhitheolaíocha a choinneáil agus a fhorbairt ina sonraítear gné fhíoruisce dhobharcheantar Bhuiríos Umhaill. Agus uasghrádú mór a dhéanamh ar na gaistí éisc i mBuiríos Umhaill i 2012, leanadh chomh maith leis an obair áirimh i leith bradán, breac geal agus eascanna, chlár dhobharcheantair na n-iasc óg agus dinimic stoic lena mbaineann (féach Aguisín). Reáchtáladh Comhdháil GLEON (Gréasán na Réadlann Éiceolaíochta Lochanna an Domhain) i mBaile Uí Fhiacháin agus bhí breis is 130 eolaí idirnáisiúnta rannpháirteach ann. Tugadh cur i láthair ag an gComhdháil Dhomhanda lascaigh maidir le caoga bliain d’obair anailíse déanta ar an eascann geal i mBuiríos Umhaill. Cuireadh cúig PhD i gcrích i 2012 a bunaíodh i mBaile Uí Fhiacháin nó inár úsáideadh ábhar agus sonraí a bailíodh i mBuiríos Umhaill. Thosaigh tionscadal nua PhD i 2012, i gcomhar leis an Iorua agus le Gníomhaireacht na Lochanna i dTuaisceart Éirinn, ina scrúdófar na tosca a imríonn tionchar ar éiceolaíocht na mbrádán ar muir. Leanadh leis an obair atá ar bun i mBaile Uí Fhiacháin ag tionscadal Géineolaíochta Beaufort de chuid Coláiste na hOllscoile, Corcaigh agus d’fhoilsigh siad go leor foilseachán in irisí piarmheasúnaithe.

Taighde Feidhmeach

Bíonn rannpháirtíocht i dtionscadail taighde fheidhmigh ríthábhachtach chun dul chun cinn a bhaint amach i gcomhairle eolaíochta. Lean Tionscadal Éiceachórais Beaufort leis ag cruthú naisc láidre leis an earnáil tríú leibhéal ar réimse leathan tionscadal, lena n-áirítear idirghníomhaíochtaí idir iascach agus róna, éin mhara, samhaltú atá bunaithe ar mhéid agus rannpháirtíocht páirtithe leasmhara. Tá cómhaoirseacht á déanamh ag FEAS freisin ar raon tionscadal taighde le roinnt ollscoileanna Éireannacha. Leanadh lenár nasc láidir leis an earnáil tríú leibhéal trí thionscadail PhD chómhaoirsithe. Díródh sna tionscadail PhD seo ar bhitheolaíocht na Scabairde Duibhe, ar shamhaltú Nephrops, ar shamhaltú maidir le héisc aischurtha, ar eolas neamhinste na n-iascairí a ghabháil le húsáid i measúnú stoic, ar mhodhanna comhtháthaithe sonraí agus ar bhrath comharthaí ó thacair shonraí. Tá FEAS páirteach freisin i roinnt tionscadal atá maoinithe ag an AE, lena n-áirítear DEEPFISHMAN (an tÉiceachóras Domhainmhara a bhainistiú), BENTHIS (staidéar ar thionchar éiceachórais bheantaigh ar iascaigh), SOCIOEC (éifeachtaí socheacnamaíocha ar bhearta bainistíochta an Chomhbheartais lascaigh amach anseo) agus MYFISH (Toradh iascaigh a uasmhéadú agus aird á tabhairt ar chúrsaí éiceachórais, eacnamaíochta agus sóisialta). Thacaigh na saoráidí i mBaile Uí Fhiacháin le raon leathan taighde lena n-áirítear STIMULUS, STRIVE agus tionscadail PhD maidir le dinimic lochanna, creachadóireacht, moirfeolaíocht éisc agus géineolaíocht. Tá an obair thaighde fheidhmigh a dhéanann FEAS bunaithe ar choincheap na forbartha inbhuanaithe agus ar an gcineál comhairle éiceachórais nua a bheidh ag teastáil sa todhchaí a chur ar fáil. Tá na torthaí ó go leor de na tionscadail foilsithe in irisí eolaíochta piarmheasúnaithe (Féach Aguisín 4).



Mar chuid den suirbhé ar an eascann gheal ag Foras na Mara i mBaile Uí Fhiacháin, déantar comhairleamh ar gach eascann atá ar imirce le sruth agus déantar cuid mhaith díobh a shampláil.

“Gné lárnach i measc na Seirbhísí Comhairleacha um Éiceachórais lascaigh ab ea tacaíocht eolaíochta a chur ar fáil lena bhfreastalaítear ar riachtanais phríomhchliant agus phríomhpháirtithe leasmhara an Fhorais.”



Tuarascáil Fhoras na Mara maidir le hAtlas Suirbhéanna Tráil na hÉireann ar Éisc Ghrinnill á tabhairt ag an Dr Peter Heffernan chuig an Uasal Simon Coveney T.D., an tAire Talmhaíochta, Bia agus Mara.

Seirbhísí Eolaíochta Aigéin



Ráiteas an Stiúrtóra

Le linn 2012 thug na Seirbhísí Aigéaneolaíochta (OSIS) faoi obair shuntasach i ngach ceann de na réimsí seirbhísí in aigéaneolaíocht, i léarscáiliú ghrinneall na farraige, in oibríochtaí áirthaí taighde, i seirbhísí faisnéise, i bhfuinneamh na mara agus in ardeicneolaíocht mhara. Tacaíonn OSIS le roinnt mhaith taighde náisiúnta agus idirnáisiúnta, le forbairt teicneolaíochta agus nuálaíochta, agus déanann sé monatóireacht ar ghníomhaíochtaí ón bhfáil sonraí allamuigh trí sheirbhísí agus táirgí sonraí coimpléacsúla a ghiniúint. Ghlac OSIS páirt i réimse clár náisiúnta, Eorpach agus idirnáisiúnta, rud a chuireann feabhas ar ár gcumas le seirbhísí tacaíochta a chur ar fáil i leith na n-éileamh a bhaineann le cláir chomhtháite eolaíochta atá ina mbonn eolais faoi chomhairle beartais trasearnála. Agus aitheantas á thabhairt ar an riachtanas atá ag méadú le haghaidh cur chuige comhtháite i leith RTDI muirí, déanann OSIS iarracht ar réitithe iomlána ‘ó cheann go ceann’ a chur ar fáil dá chliaint. Chuir OSIS le smaointeoireacht straitéiseach freisin ar leibhéal náisiúnta agus idirnáisiúnta trí pháirt a ghlacadh i raon tionscnamh lena n-áirítear *Feidhm a Bhaint as Saibhreas ár nAigéin – Plean Comhtháite Muirí d’Éirinn* chomh maith le straitéis Atlantach an AE.

An tUas. Michael Gillooly

Michael Gillooly

Stiúrthóir: Seirbhísí Eolaíochta Aigéin

Oibríochtaí Áirthaí Taighde

Is é misean na rannóige um Oibríochtaí Áirthaí Taighde (RVOpanna) comhordú agus bainistiú a dhéanamh ar oibríochtaí an dá ártach taighde de chuid Fhoras na Mara, an RV *Celtic Voyager*, an RV *Celtic Explorer* agus an fheithicil chianoibrithe domhainmhara ROV *Holland I*. Cuireann siad seirbhísí tacaíochta ar fáil d’úsáideoirí na n-árthaí, lena n-áirítear ionstraimiú agus seirbhísí tacaíochta innealtóireachta agus oibríochtaí ffor-sholúbtha.

Rinneadh athoiriúnú ar an dá ártach i 2012. Rinne Mooney Boats sna Cealla Beaga athoiriúnú cúig bliana ar an RV *Celtic Voyager* ó 4 to 28 Eanáir. I measc na n-oibreacha ar tugadh fúthu san athoiriúnú rinneadh athphéinteáil iomlán ar an ártach agus atógadh an t-inneall agus an gineadóir. Cuireadh an t-athoiriúnú i gcrích de réir caighdeán an-ard agus laistigh den tréimhse ama a bhí socraithe dó. Chuaigh an RV *Celtic Explorer* isteach i nduga tirim in Milford Haven, RA ar an 30 Eanáir lena athoiriúnú speisialta cúig bliana a chur i gcrích. Tugadh an t-ollchóiriú mór seo chun críche roimh an am a bhí sceidealta ar an 20 Feabhra.

Agus athoiriúnú déanta orthu faoi seach, cuireadh dianchlár shuirbhé i gcrích ar an dá ártach taighde. Cuireadh 16 shuirbhé i gcrích ar an RV *Celtic Explorer* arbh ionann iad agus 291 lá eolaíochta. Cuireadh 27 shuirbhé i gcrích ar an RV *Celtic Voyager* arbh ionann iad agus 272 lá eolaíochta.

Cuireadh an clár bliantúil iascaigh i gcrích go rathúil i 2012, inar cuimsíodh trí chlár um shuirbhéanna fuaimne agus críochnaíodh an suirbhé bliantúil ar éisc ghrinnill ag baint úsáide as an RV *Celtic Explorer*. Cuireadh 30 lá de shuirbhéanna ar an RV *Celtic Voyager* maidir le Teilifís Faoine Uisce i gcomhair measúnú stoic *Nephrops* lenar áiríodh suirbhé rathúil ar na meánna cloicheán ar Bhanc an Torcáin ag doimhneacht síos go 540m.

Cuireadh cúig chairtfhostú sheachtracha i gcrích ar bord an RV *Celtic Explorer*, in uisce na Gearmáine agus na Ríochta Aontaithe lenar áiríodh suirbhéanna do BSH (Bundesamt für Seeschifffahrt und Hydrographie – Lárionad Sonraí Aigéaneolaíochta na Gearmáine) agus d’Ollscoil Uladh. Chuir na gníomhaíochtaí seachtracha seo go mór leis an mbuiséad oibríúcháin.

Cairtfhostaíodh an RV *Celtic Explorer* ar feadh 41 lá i mí Aibreáin agus Bealtaine 2012 arís ag an ‘Centre for Fisheries and Ecosystems Research (CFER) de chuid Fhoras na Mara Thalamh an Éisc, Ceanada le suirbhé iascaigh a chur i gcrích inar áiríodh obair ar an gCaidhp Phléimeannach agus ar na Grand Banks theas. Sula ndearnadh an suirbhé thuasluaite tugadh faoi shuirbhé trasdula ar an Atlantach Thuaidh ar feadh naoi lá ina raibh eolaithe Éireannacha agus Ceanadacha ar bord agus bailíodh sonraí luachmhara maidir le céiticigh agus le haigéaneolaíocht.

Cuireadh an suirbhé “ECO2@NORTHSEA” i gcrích ar an RV *Celtic Explorer*, a bhí maoinithe ag Eurofleets agus faoi stiúir Geomar (an Ghearmáin), tréimhse inar cuireadh suirbhé an-dian i gcrích ann sa Mhuir Thuaidh i gceantair na hIorua agus na Ríochta Aontaithe ag baint úsáide as ROV *KIEL 6000* agus raon leathan trealamh chun staidéar a dhéanamh ar na héifeachtaí a bhaineann le stóráil CO² mar chuid de mórthionscadal ilbhliantúil agus il-árthaí.

Cuireadh dhá shuirbhé hidreagrafacha i gcrích freisin ar an RV *Celtic Voyager* arbh ionann iontu agus 25 lá san iomlán chun tacú le forbairt Fhuinneamh na Mara SEAI amach ó chósta thiar Chontae an Chláir.

Rinne taighdeoirí ó Ollscoil na hÉireann, Má Nuad (OÉ Má Nuad) an suirbhé “Gateways” sa Mhuir Cheilteach, suirbhé geolaíoch atá maoinithe faoi chlár am loinge an NDP.

Tugadh an RV *Celtic Voyager* amach ar iasacht freisin d’Ollscoil Learphoil faoin gClár Rochtana Trasnáisiúnta Eurofleets leis an suirbhé AmSedis a

chur i gcrích i Muir Éireann. Sa suirbhé rathúil seo rinneadh staidéar ar mhórthonn dríodair i Muir Éireann ag baint úsáide as teicnící difriúla lena n-áirítear alpairí agus croighearrthóirí agus trealamh seismeach.

I measc gníomhaíochtaí eile suntasacha ar tugadh fúthu ar bord RV *Celtic Voyager* bhí cláir oiliúna Science@Sea á stiúradh ag an bhfoireann SMART agus cláir oiliúna faoi stiúir ollscoileanna.

Chuir an ROV *Holland I* séasúr suirbhé rathúil i gcrích sa bhliain 2012 agus úsáideadh í ar dhá shuirbhé eolaíochta a bhí cothrom le caoga a trí lá suirbhé. Úsáideadh an ROV ar bord an RRV *James Cook* le haghaidh suirbhé rathúil dar teideal “The Changing Oceans Expedition”. Mhair an suirbhé ar feadh 35 lá in uisce na Ríochta Aontaithe, uisce na hÉireann agus uisce idirnáisiúnta.

Scéim Bhreathnóireachta na nÁrthaí Iasachta 2012

Sa bhliain 2012, chuir Foras na Mara deichniúr breathnóirí Éireannacha ar bord árthaí iasachta a bhí i mbun taighde a dhéanamh inár n-uisce. Chaith na breathnóirí 238 lá ar muir san iomlán agus mhair na suirbhéanna ar feadh tréimhsí éagsúla a bhí chomh fada le 46 lá agus chomh gearr le 8 lá. Mhair na suirbhéanna 23 lá ar an meán. Bhí seachtar breathnóirí páirteach sna suirbhéanna Briotanacha agus ghlac an chuid eile díobh páirt i suirbhéanna de chuid na Beilge, na hÍsiltíre agus na hIorua.

Ardseirbhísí Léarscáilithe

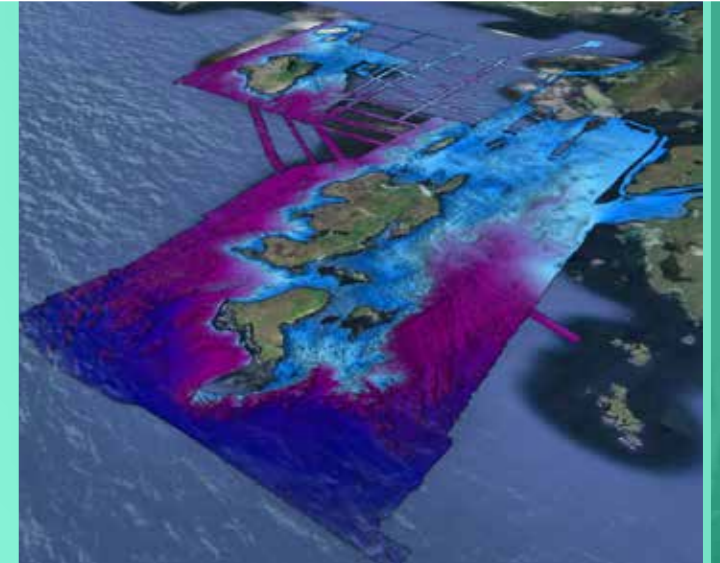
Le linn 2012 thug an fhoireann um Ardseirbhísí Léarscáilithe (AMS) faoi sonraí INFOMAR a fháil amach ó chósta an Deiscirt agus an Oirdheiscirt ar bord an RV *Celtic Voyager*, ag déanamh dul chun cinn ar an gcuimsiú sna ceantair thosaíochta faoi seach.

Cuireadh dianchlár de ghníomhaíochtaí suirbhé thar a bheith rathúil i gcrích faoi chlár INFOMAR lenar bhain 78 lá suirbhé ar an RV *Celtic Voyager* lena n-áirítear suirbhéanna fairsinge bataiméadracha ar Mhuir Éireann, chomh maith le suirbhéanna amach ó chósta an deiscirt.

Gabhadh i gceann sonraí suntasacha bhreise a fháil mar chuid den ‘Value Added Exploitation Programme’, lena n-áirítear: Le linn 2012 tugadh faoi dhá réimse de ghníomhaíocht suirbhé ar bord an RV *Celtic Voyager* i gcomhair Údarás Fuinnimh Inmharthana na hÉireann (SEAI), chun taca a chur faoi fhorbairt na hearnála fuinnimh in-athnuaite amach ó chósta na hÉireann. Tugadh faoi shíneadh a chur leis an suirbhé ar bhealach an chábla den Láithreán Tástála i gCuan na Gaillimhe a rinneadh in 2011 chun bealach leasaithe a éascú don tsuiteáil chábla atá beartaithe le teacht i dtír sa Spidéal, Co. na Gaillimhe. Le linn mí an Mhárta agus mí Mheán Fómhair 2012 rinneadh obair shuirbhé amach ón gcósta in iarthar chontae an Chláir i limistéar tosaíochta sainaitheanta ag an Marine Renewables Energy Association (MRIA) i gcomhairle le hÚdarás Fuinnimh Inmharthana na hÉireann.

Chomhordaigh AMS an suirbhé iniúchta láithreáin i gcomhair Feirmeoireacht Éisc Dhomhainmhara a rinneadh ar bord ártach taighde cladaigh de chuid Shuirbhéireacht Gheolaíochta na hÉireann (GSI) an RV *Keary* ag Inis Toirc agus Inis Bó Finne, Co. Mhaigh Eo, chun sonraí bonnlíne a chur ar fáil ar mhaithe le samhaltú aigéaneolaíochta agus le láithreáin ionchasacha a roghnú.

Chomhordaigh AMS Ceardlann Taighde na Chéad Ráithe 2012 maidir leis an gclár ‘Value Added Exploitation’ de chuid INFOMAR chomh maith le Seimineár Bliantúil na Ceathrún Ráithe. Chuir AMS táirgí agus aschuir INFOMAR ar taispeántas ag imeachtaí for-rochtana amhail Rás Aigéin Volvo, Oceanology, ESOF 2012, Sea2Sky, Féile Eolaíochta agus Teicneolaíochta na Gaillimhe, agus PAD Atlantic Margins. Rinne AMS cur i láthair freisin ag an gCeardlann Atlantach MESH, GeoScience Ireland, agus ag an gComhdháil Idirnáisiúnta um Fhuinneamh na Mara.



Cuimsiú INFOMAR ag Inis Bó Finne agus Inis Toirc

“Tacaíonn OSIS le roinnt mhaith taighde náisiúnta agus idirnáisiúnta, le forbairt teicneolaíochta, agus le gníomhaíochtaí nuálaíochta agus monatóireachta....”



RV Celtic Explorer agus Kiel 6000 ar an deic ar chúl



Seirbhísí Eolaíochta Aigéin

Seirbhísí Aigéaneolaíochta

Dhéileáil an fhoireann aigéaneolaíochta le breis agus 150 iarratas ar shonraí aigéaneolaíochta i rith 2012 agus lean siad le sonraí agus anailís allamuigh agus samhaltacha a sholáthar don tionscadal dobharshaothraithe dhomhain faoi stiúir na Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia.

Sheachaid Seirbhísí Aigéaneolaíochta príomhghnéithe chomhaontú seirbhíse SEAI um Fhuinneamh na Mara go tráthúil agus laistigh den bhuiséad a bhí socraithe dó. Áiríodh leis seo forbairt agus seoladh baoi fhuaimniúil d'ard-bandaleithead i gCuan na Gaillimhe, ag tacú le comhthionscadal i gcomhar le SEAI, Foras na Mara, IBM agus leis an ngnóthas SME atá bunaithe i nGaillimh Biospheric Engineering Ltd.

Stiúir OSIS iarratas rathúil ar SFI faoina ghlaoch maidir le bonneagar taighde 2012 agus dá bharr sin ceadaíodh maoiniú i dtreo cábla snáthoptaice agus nód ghrinnill na farraige a thógáil i dteannta le trealamh lena mbaineann a chuirfidh taca faoi ghníomhaíochtaí tástála agus taispeána ag láithreán tástála fhuinneamh na mara agus SmartBay i gCuan na Gaillimhe a bhfuil dálaí na ceathrún scála luaite leo. Tugadh faoi chomhairliúcháin shuntasacha le páirtithe leasmhara agus le húdaráis le linn 2012 inar díríodh ar iarratais urthrá agus iarratais eile a chur isteach ag tús 2013 d'fhonn bonneagar a shuiteáil in 2014.

Rinneadh stáisiún tagartha Chionn Mhálanna do theocht fhadtéarma dhromchla na farraige a uasghrádú agus a shonrú le saintréithe. Tacaíodh agus coinníodh líonra náisiúnta na mbaoithe aimsire ar son na Roinne Iompair, Turasóireachta agus Spóirt (DTTAS). Rinne an DTTAS athbheithniú freisin ar fheidhmíocht an líonra i 2012. D'éirigh go rathúil leis sin agus leanadh ar aghaidh leis an maoiniú. Ag tógáil ar na samhlacha nua aigéin a forbraíodh le déanaí le haghaidh doirteadh ola agus feidhmeanna bithghoiceimiceacha, forbraíodh tuilleadh laghdú ar an scála go dtí samhail ardtaigh scairbhe. Seoladh uirlis réamhaisnéise taoide beo ar an idirlíon a sholáthraíonn réamhaisnéisí taoide ar feadh suas le dhá bhliain ar aghaidh d'úsáideoirí mara. Is a bhuíochas leis an gcothabháil leanúnach a dhéantar ar Líonra Náisiúnta Tomhsaire Taoide na hÉireann go rabhthas in ann an feidhmchlár seo a fhorbairt. Sholáthraigh OSIS anailís agus ionchur aigéaneolaíochta freisin i gcomhair mheasúnú tosaigh Chreat-Treoir na Straitéise Mara.

Seachadadh príomhghnéithe tionscadail ASIMUTH, JERICO agus MyOcean2 (arna maoiniú ag an AE) go rathúil agus tá córas nua um fháil sonraí a forbraíodh i 2011 in úsáid anois i mBá Bheanntaí.

Leanann OSIS de bheith gníomhach leis an WGOH agus EuroGOOS de chuid ICES agus leis an Sainghrúpa um Bhreathnóireacht Mara agus Sonraí de chuid DG Mare. Lean OSIS leis an obair dlí a fhorbairt do chomhpháirtíocht fhadtéarmach ar thionscadal FP7 Faireachlann Ildisciplíneach Eorpach Ghrinneall na Farraige (EMSO) agus bunaíodh oifig eatramhach sa Róimh. Ghlac OSIS páirt sna tionscadail COOPEUS agus SIDERI freisin agus i raon leathan tionscadail bhonneagair de chuid an AE agus idirnáisiúnta.

Seirbhísí Faisnéise agus Forbairt (IS&D)

Choinnigh an fhoireann um Sheirbhísí Faisnéise agus Forbairt (IS&D) orthu ag tabhairt tacaíocht theicniúil ó lá go lá don Foras (ag déileáil le breis agus 3,892 éileamh ar thacaíocht, a chuimsigh ceisteanna teicniúla, iarratas agus bainistíochta sonraí), agus ag déileáil le breis agus 238 iarratas sonraí ó pháirtithe seachttracha. Bhí baint ag IS&D le 83 tionscadal agus gníomhaíochtaí bainteacha maidir le Tacaíocht Straitéiseach Ghnó agus Tacaíocht Theicniúil, le Cúrsaí Oibríocháin agus Tionscadail Tacaíochta Ghrúpaí Seirbhíse Fhoras na Mara.

Ba í príomhghníomhaíocht IS&D in 2012 ná Straitéis nua maidir le Teicneolaíocht Faisnéise agus Cumarsáide (TFC) a fhorbairt d'Fhoras na Mara (2013–2015) ina leagtar amach raon achomair de chuspóirí agus de ghníomhaíochtaí ar ardleibhéal, agus a chuireann cuspóirí eagraíochta, forbairt teicneolaíochta agus beartas Rialtais san áireamh, lena chinntiú go mbeidh úsáid acmhainní dírithe ann le haghaidh forbairt straitéiseach a dhéanamh ar bhonneagar agus ar sheirbhísí TFC Fhoras na Mara go ceann trí mbliana amach anseo.

Le linn 2012, áiríodh na nithe seo a leanas leis na seirbhísí a thug foireann TF do bhonneagar Fhoras na Mara: rinneadh mór-uasghrádú ar an gcóras teileafóin; cuireadh ascnamh timpeallachta frith-víreas ó McAfee go Sophos i gcrích; cuireadh bogearraí um bainistiú gléasanna soghluaiste i bhfeidhm inar féidir gléasanna a úsáid nach gléasanna BlackBerry iad; agus soláthraíodh tacaíocht d'implonú na mbogearraí um fháil sonraí SCS ar na háiríochtaí. Cuireadh próisis fheabhsaithe maidir le ceadúnú i gcomhair bogearraí bainistithe i bhfeidhm freisin.

D'fhonn rochtain níos fearr ar shonraí Fhoras na Mara a éascú d'fhorbairt an fhoireann um Bainistiú Sonraí an Tairseach Ioslódála um Shonraí Ar Líne agus soláthróidh sé pointe rochtana le sonraí Fhoras na Mara a íoslódáil a bheidh éasca le húsáid, ag laghdú na hiarrachta láimhe chun iarratais ar shonraí a shásamh agus ag cur seirbhís i bhfad níos freagrúla ar fáil d'úsáideoirí deiridh. Leis an gcóras beidh an t-úsáideoir in ann rochtain éasca a fháil ó aon láithreán amháin ar líne ar thacair sonraí atá casta agus éagsúil.

Cuireadh tacaíocht bainistíochta sonraí ar fáil freisin do chlár Chreat um Bailiú Sonraí, INFOMAR agus Chreat-Treoir na Straitéise Mara, lena n-áirítear óstáil a dhéanamh ar shonraí SEA Fhuinneamh na Mara maidir le ceadúnú Urthrá Dobharshaothraithe. Áiríodh leis sin tuilleadh forbairt a dhéanamh agus tacaíocht a thabhairt don fheidhmchlár tacaíochta cinntí ar líne, agus cabhair a thabhairt i ndáil le foireann agus bonneagar nua SmartBay a shocrú agus a athlonnú. Cinntítear leis an tseirbhís seo go ndéantar dea-bhainistíocht ar shonraí na gclár thuasraithe

Bhí obair fhorbartha leanúnach á déanamh freisin ar chórais sonraí le haghaidh sonraí taoide, toinne agus iascaigh, agus leathnaíodh seirbhísí tuairiscithe maidir le ceimic agus le Blás Algach Díobhálach (HABs) chun rochtain ar shonraí níos éifeachtúla a sholáthar.

I measc gníomhaíochtaí eile a bhaineann le cúrsaí sonraí tugadh faoi: tacaíocht a chur ar fáil don tionscadal le maoiniú FP7 AE, 'ENVIRO-FI Future-Internet' agus a chomhpháirtí In Tune Networks inar tugadh sárthaispeántas ar sheirbhísí sonraí an Fhorais; rannpháirtíocht sa

tionscadal um bonneagar sonraí Eorpach 'SeaDataNet II'; Meitheal Oibre na hÉireann um Spás-Sonraí Bonneagair; agus comhghníomhaíocht phíolótach leis an Roinn Comhshaoil, Pobail agus Rialtais Áitiúil chun treochlár a chinneadh maidir le cur chun feidhme na treorach INSPIRE in Éirinn.

Sa réimse Forbartha Feidhmchlár rinneadh measúnú forleathan teicniúil chun teicneolaíocht chuí a roghnú le haghaidh shuíomh gréasáin Fhoras na Mara. Leathnófar an obair seo i 2013 chun teimpléid shuíomh gréasáin a fhorbairt agus chun tacaíocht theicniúil a chur ar fáil don suíomh gréasáin nua. Le linn 2012, rinne an fhoireann Forbartha Feidhmchlár tuilleadh forbartha ar na feidhmchláir a bhain le Cigireachtaí agus Gluaiseachtaí na Treorach maidir le Sláinte Éisc agus le Córas um Pleanáil Suirbhéanna do na RVOpanna. Cuireadh tacaíocht theicniúil ar fáil freisin chun cabhrú leis an gcóras nua MEFS (Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia) um bainistíocht cáilíochta doiciméad a chur ar bun, chomh maith le *Feidhm a Bhaint as Saibhreas ár nAigéin* – *Plean Comhtháite Muir* agus le suíomh gréasáin na nGairmeacha Muirí.

An Clár Ardteicneolaíochta

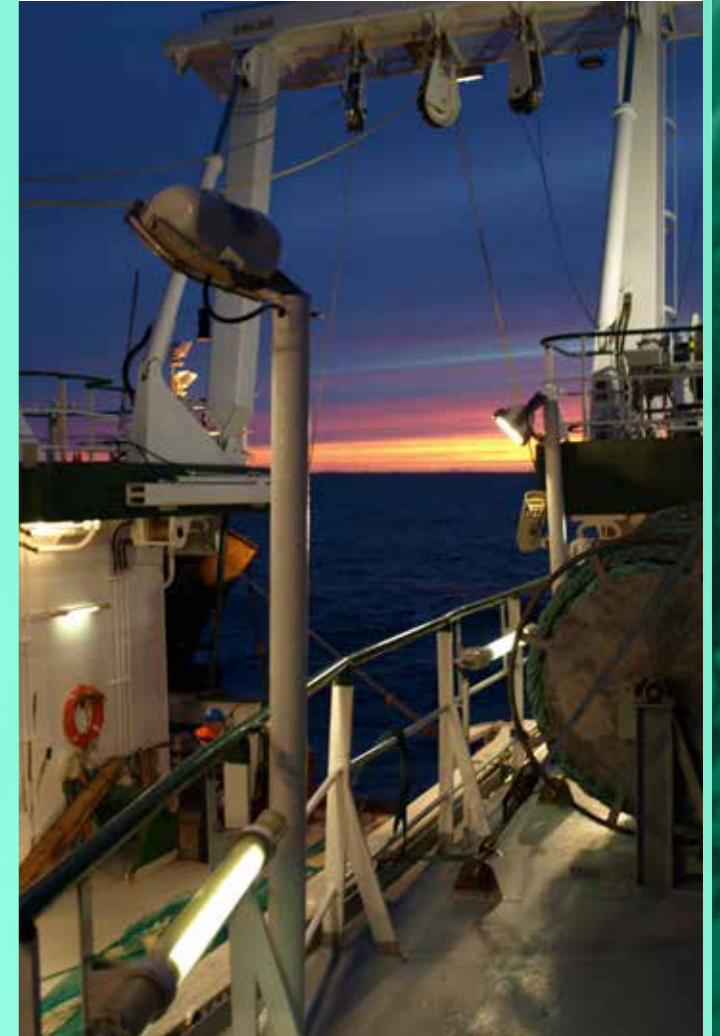
Tá forbairt cumais i dteicneolaíocht mhara seachadta leis an gclár trína thacaíocht a thabhairt do thionscnaimh náisiúnta lena n-áirítear:

- Gradam Beaufort maidir le Teicneolaíocht Braithe agus Cumarsáide Muirí, Ollscoil Chathair Bhaile Átha Cliath (<http://www.mestech.org/projects/beaufort-marine-research-awards.html>)
- Tionscnamh Idirnáisiúnta SmartOcean um Fhiontraíocht Iarchéime (taighde iarchéime cómhaoinithe ag an tionscal) faoin IRCSET EPS (Ollscoil Chathair Bhaile Átha Cliath, Coláiste na hOllscoile, Corcaigh, OÉ Gaillimh, OÉ Má Nuad, Ollscoil Luimnigh).
- Baineann príomhspríoc an chlár le tacaíocht a thabhairt chun braisle náisiúnta ildisciplíneach nuálaíochta a fhorbairt ar chomhéadan TFC agus earnálacha na mara – SmartOcean.
- Lean an Foras le seirbhísí teicniúla agus TFC a sheachaid do chlár SmartBay, a chuaigh i mbun réimse leathan taighde agus forbairt ar theicneolaíocht mhara lena n-áirítear forbairt braiteoirí, tástáil cumarsáide agus anailísíocht sonraí. Is é SmartBay an Áis Náisiúnta Taighde, Tástála agus Taispeána i ndáil le TFC na mara. Is mar gheall ar an méadú éilimh agus suime i TFC na mara a bunaíodh cuideachta neamhbhrabúis ar a dtugtar SmartBay Ireland Ltd i 2012. Tá SmartBay (www.smartbay.ie) maoinithe faoin gClár um Thaighde in Institiúidí Tríú Leibhéal.
- Rinne Foras na Mara an tríú Ceardlann Bhliantúil de chuid SmartOcean a óstáil an 2–3 Iúil 2012. Ar an dara lá den cheardlann reáchtáladh Malartú Nuálaíochta SmartOcean, inar tugadh aitheantas do chuideachtaí áirithe rannpháirteacha i bhfoirm urraíocht ó Chuideachtaí Ilnáisiúnta ar baill iad den Bhraisle SmartOcean.
- Rinne an fhoireann Ardteicneolaíochta próifíl freisin ar Chumas Náisiúnta na hÉireann i TFC na Mara ag roinnt ócáidí náisiúnta agus idirnáisiúnta, agus d'eagraigh siad Puball na hÉireann ag Oceanology 2012 i Londain agus raon leathan cruinnithe AE agus cruinnithe eile náisiúnta agus idirnáisiúnta chomh maith leis sin.



Teicneolaíocht Mhara na hÉireann á Taispeáint ag an Uasal Paul Gaughan i dTaispeántas Oceanology International i Londain.

“Tá uirlis réamhaisnéise taoide seolta beo ar an idirlíon anois a sholáthraíonn réamhaisnéisí taoide ar feadh dhá bhliain ar aghaidh d'úsáideoirí mara.”



Riarachán Ginearálta

Idirchaidreamh

Cuimsíonn clár Fhoras na Mara réimse leathan gníomhaíochtaí lena dteastaíonn idirchaidreamh agus comhoibriú dlúth le go leor daoine agus eagraíochtaí. Áirítear leo siúd an Roinn Talmhaíochta, Bia agus Mara, an Roinn Airgeadais agus ranna rialtais agus gníomhaireachtaí stáit eile, frontar príobháideach agus earnáil an ardoideachais. Tugann an Foras aitheantas do thacaíocht agus do chomhoibriú leanúnach gach dreama lena mbaineann.

Sláinte agus Sábháilteacht

De réir an Achte um Shábháilteacht, Sláinte agus Leas ag an Obair (1989), thug Foras na Mara gach Ráiteas Sláinte agus Sábháilteachta cothrom le dáta. Leanann an Foras de na bearta cuí a chur i bhfeidhm le sábháilteacht agus sláinte gach fostaí agus cuairteora ar a n-áitreabh a chosaint.

An tAcht um Eitic in Oifigí Poiblí

Soláthraíonn gach duine ag a bhfuil post ainmnithe i bhFhoras na Mara ráiteas leasa don Choimisiún um Chaighdeáin in Oifigí Poiblí de réir ailt 18 agus 20 den Acht um Eitic in Oifigí Poiblí, 1995.

Comhionannas Fostaíochta

Tá Foras na Mara tiomanta do bheartas comhionannais deiseanna, agus glacann sé cur chuige réamhghníomhach i leith an chomhionannais. Tá scéimeanna i bhfeidhm ag an bhForas a thugann deiseanna don fhoireann freastal ar a riachtanais ghairme agus phearsanta, ar nós comhroinnt post, saoire staidéir agus cláir oideachais.

Cód Cleachtais (Tuairisciú)

Cloíonn Foras na Mara leis na Cód reachtúla Chleachtais um Rialachas na gComhlachtaí Stáit de réir mar atá leagtha síos ag an Roinn Airgeadais. Dearbhaíonn an Foras gur ghlac na Stiúrthóirí agus na fostaíthe leo seo a leanas agus go gcuirtear oiliúint orthu ina leith fosta:

- > Cód foirmiúil iompair um choinbhleacht leasa agus cairt chustaiméirí
- > Coistí Iniúcháireachta cuíbhunaithe
- > Nósanna imeachta um sholáthar
- > Saincheisteanna Íogaire

Tuairisciú ar Éifeachtacht Fuinnimh ag Comhlachtaí san Earnáil Phoiblí (IR 542 de 2009)

Forbhreathnú ar Úsáid Fuinnimh in 2012

Ba é Ceanncheathrú atá lonnaithe i Rinn Mhaoile, Órán Mór, an príomhúsáideoir fuinnimh ag Foras na Mara. Thóg Oifig na nOibreacha Poiblí an tsaoráid úrscothach seo agus tá cuid mhór suiteálacha atá coigilteach ar fhuinneamh ar fud an fhoirgnimh, lena n-áirítear feisteas solais agus soilsiú brathadóra gluaisne atá coigilteach ar fhuinneamh, gloine teas-fhrithchaiteach, aeráil nádúrtha agus téamh faoi urlár.

Úsáidtear fuinneamh go príomha trí ídiú téimh agus leictreachais gháis pheitriliam leachtaigh (LPG) do na haonaid láimhseála aeir sna 55 saotharlann ar an láthair agus do sheirbhísí soilsithe.

Sa bhlian 2012, d’úsáid Foras na Mara 6,545,359 kWh d’fhuinneamh, a chuimsigh na nithe seo a leanas:

- > 3,323,234 kWh de Leictreachais
- > 3,315,125 kWh de LPG

Gníomhaíochtaí ar Tugadh Fúthu in 2012

Tá Foras na Mara tiomanta d’fheidhmíocht fuinnimh agus d’éifeachtúlacht fuinnimh a fheabhsú. Lean sé ag dul i ngleic le Clár e-MAP SEAL um Bainistíocht Éifeachtúlachta Fuinnimh chun straitéis éifeachtúlachta fuinnimh a fhorbairt a chabhróidh le táscairí feidhmíochta fuinnimh agus spriocanna laghdaithe fuinnimh a leagan amach, le cur amú fuinnimh a sheachaint, agus le hastaíochtaí timpeallachta a laghdú.

Sa bhlian 2012, lean an Foras ar aghaidh le roinnt tionscnamh bainistíochta fuinnimh lena n-áirítear:

- > feasacht a mhúscailt ar úsáid fuinnimh agus ar an ngá lena laghdú.
- > rialtáin teocht raidaitheoirí a shuiteáil in oifigí agus i saotharlanna
- > athshocrú a dhéanamh ar bhraiteoirí solais chun an fheidhmíocht is fearr a chinntiú
- > clár monatóireachta agus cothabhála don aimsir fhuar chun éifeachtúlacht téimh a bharrfheabhsú
- > éifeachtacht agus monatóireacht ar chórais láimhseála aeir chun réimsí ina bhféadfaí fuinneamh a laghdú más ann dóibh a shainaithint

Gníomhaíochtaí atá Beartaithe do 2013

Foilseoidh Foras na Mara Beartas um Éifeachtúlacht Fuinnimh agus bunóidh sé Grúpa Fuinnimh chun an beartas a chur i bhfeidhm d’fhonn costais fuinnimh agus ár lorg carbóin a laghdú. Tá sé beartaithe ag an bhForas Clár Féidearthachtaí i dtaobh laghdú fuinnimh a bhunú agus a chothabháil, inar féidir le gach fostaí smaointe i leith sábháil fuinnimh a chur faoinár mbráid. Tabharfar aghaidh ar ghníomhartha a bheidh sainaitheanta i dtuairisc Measúnaithe ar Éifeachtúlacht Fuinnimh agus seolfar feachtas feasachta foirne i measc na bhfostaithe uile maidir leis an riachtanas atá ann le héifeachtúlacht fuinnimh agus le cleachtais oibriúcháin atá éifeachtúil ar fhuinneamh i ngach réimse de ghníomhaíocht Fhoras na Mara.

Tuairisc chun dáta ar Scéim na Gaeilge 2012

Tháinig scéim na Gaeilge de chuid Fhoras na Mara chun cinn mar thoradh ar oibleagáid Fhoras na Mara mar Ghníomhaireacht Stát seirbhís phoiblí dhátheangach a sholáthar, mar a leagtar síos in Acht na dTeangacha Oifigiúla 2003, agus freisin in Airteagal 8 de Bhunreacht na hÉireann.

Chuaigh Scéim na Gaeilge in éag i mí Iúil 2012, agus i mí Mheán Fómhair thug ball foirne ó Oifig an Choimisinéara Teanga faoin Iniúchadh Deiridh ar Scéim na Gaeilge Iúil 2009 – Iúil 2012. Coimrítear torthaí iomlána an Iniúchta sin mar seo a leanas:

- > Bunaithe ar an eolas a cuireadh ar fáil le linn an phróisis, is léir go raibh Scéim na Gaeilge curtha i bhfeidhm laistigh d’Fhoras na Mara agus rinneadh an–dul chun cinn i rith thréimhse na scéime maidir le seirbhísí Gaeilge a chur ar fáil.
- > Léiríodh san Iniúchadh gur baineadh amach na hoibleagáidí uile i ndáil leis an suíomh gréasáin, preasráitis, bileoga eolais, logainmneacha na hÉireann agus oiliúint sa Ghaeilge.
- > Forbraíodh ábhair bhreise i nGaeilge le linn thréimhse na scéime. Go sonrach, tugtar creidiúnú mar gheall ar an bhforbairt ar ábhair oideachais do scoileanna ar cuireadh ar fáil i nGaeilge iad.



“Bhí Scéim na Gaeilge curtha i bhfeidhm laistigh d’Fhoras na Mara agus rinneadh an–dul chun cinn i rith thréimhse na scéime maidir le seirbhísí Gaeilge a chur ar fáil.”



AGUISÍN 1 – CLÁIR TAIGHDE MARA AN NDP 2007–2013
DÁMHACHTAINÍ DON CHLÁR AM LOINGE 2012

CLÁR TAIGHDE MARA AN NDP 2007–2013 – CLÁR AM LOINGE 2012						
Beart Taighde Chasadh na Taoide	Clár Taighde Chasadh na Taoide	Cineál Tionscadail	Tagairt an Tionscadail	Teideal an Tionscadail	Deontai/Ceann	Deontas Iomlán
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12003	Oiliúint Fochéimithe Chuan na Gaillimhe	Ollscoil na hÉireann, Gaillimh	€80,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12019	SMART: Bailiú sonraí agus Sampláil Fheidhmeach sa Bhitheolaíocht Mhuirí	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€48,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12020	SMART Eolaíocht ar Muir: Oiliúint Ildisciplíneach ar Bord Loinge do Mhic Léinn na nEolaíochtaí a bhaineann leis an Mara	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€72,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12021	SMART: Modúl Coiteann na Foghlama Cumaisc	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€136,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12022	MSc sa Bhitheolaíocht Mhuirí – Cuan Chorcaí	Coláiste na hOllscoile, Corcaigh	€16,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12026	SMART: Oiliúint Chuan na Gaillimhe (i gcomhar le OÉ Gaillimh)	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€48,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12027	SMART: An Lárionad Taighde Hiodrálaice agus Mhuirí (HMRC) / Oiliúint Mac Léinn Choláiste na hOllscoile, Corcaigh (UCC)	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€24,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12030	Oiliúint Fochéimithe Loinge maidir le Taighde Aigéaneolaíochta, Beantach, Meigeafhána agus Iascaigh	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€56,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Clár Tiomanta Oiliúna	CV12031	SMART: Lá Oscailte ag Comóradh 40 bliain GMIT	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€8,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CE12001	Rannóga Aigéaneolaíochta, Bithgheoiceimice agus Geolaíochta i ndáil le hAthrú Aeráide	Foras na Mara	€238,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CE12003	Céiticigh ar an Teorainn III:	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€255,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CE12006	Bithfhionnachtain 2012	Ollscoil na hÉireann, Gaillimh	€475,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CE12012	SMART ROV a Thástáil le haghaidh Oibríochtaí Seandálaíochta Faoi Uisce ag baint úsáide as Braiteoirí Comhtháite	Ollscoil Luimnigh	€153,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CV12004	Éifeachtaí Trófacha Trálaeireachta 2012	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€88,000

CLÁR TAIGHDE MARA AN NDP 2007–2013 – CLÁR AM LOINGE 2012						
Beart Taighde Chasadh na Taoide	Clár Taighde Chasadh na Taoide	Cineál Tionscadail	Tagairt an Tionscadail	Teideal an Tionscadail	Deontai/Ceann	Deontas Iomlán
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CV12006	Fiosrúchán Geolaíoch ar Ghrinneall na Farraige Amach ó Chósta Theas na hÉireann agus i Muir Éireann ó Thuaidh (NSGeo)	Coláiste na hOllscoile, Corcaigh	€120,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CV12008	GATEWAYS 2012	Ollscoil na hÉireann, Má Nuad	€176,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CV12016	Cumas na hÉireann a Fheabhsú maidir le Réamhaisnéis a thabhairt ar Bhlás Algach Tocsaineach agus Díobhálach ar Scairbh na hÉireann	Foras na Mara	€88,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CV12023 agus CV12024	Próisís Iompair Dríodair ar Bhanc Indreabháin, Cuan na Gaillimhe.	Ollscoil na hÉireann, Gaillimh	€72,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CV12029	Naisc Éiceachórais ar Scála Mín i Láithreacha ina bhfuil Céiticigh sa Mhuir Cheilteach	Institiúid eicneolaíochta na Gaillimhe–Mhaigh Eo	€64,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Suirbhé Taighde Chomhtháite	CV12002	Clár Suirbhé um Chothaithigh	Foras na Mara	€104,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Eile	–	Comhdháil Idirnáisiúnta faoi Fhuinneamh na Mara (ICOE 2012)	Foras na Mara	€40,000
Tacaíocht don Bhonneagar	Am Loinge Árthach Taighde	Eile	–	Fóram Oscailte Eolaíochta na hEorpa (ESOF 2012)	Foras na Mara	€136,000
IOMLÁN						€2,497,000

TIONSCADAIL TAIGHDE MHAOINITHE 2012

CLÁR TAIGHDE MARA AN NDP 2007–2013: TIONSCADAIL MHAOINITHE 2012						
Beart Taighde Chasadh na Taoide	Clár Taighde Chasadh na Taoide	Cineál Tionscadail	Tagairt an Tionscadail	Teideal an Tionscadail	Deontai/Ceann	Deontas Iomlán
Nuálaíocht	Nuálaíocht	Gradaim Líonraithe	Éagsúil	Tinreamh ag Comhdhálacha Mara, Ceardlanna agus Ócáidí, nó iad a Óstáil.	Éagsúil	€21,779
IOMLÁN						€21,779

Aguisíní

AGUISÍN 2 – RANNPHÁIRTÍOCHT NA HÉIREANN I DTIONSCADAIL RTD AN AONTAIS EORPAIGH.

Ó foilsíodh athbhreithniú 2011 ar rannpháirtíocht na hÉireann i dtionscadail taighde mara arna maoiniú ag an AE agus i dtionscnaimh eile bainteach le taighde mara (tag: New Connections: Exploring Ireland’s International Marine Research Relationships: 2007–2010) (www.marine.ie/home/Publications) is féidir 25 tionscadal eile in 2011 (Deontas >€9.4m), 14 tionscadal nua FP7 (Deontas: € 3.3m) agus 12 tionscadal nua INTERREG–IV (Deontas: € 2.8m) a chur le méid iomlán na dtionscadal atá ag Éirinn. Fágann sé sin go raibh 150 tionscadal comhoibríoch san iomlán ann a raibh luach deontais os cionn €53m ag baint leo ag dul chuig pobal thaighde mara na hÉireann (lena n–áirítear gnóthais bheaga agus mheánmhéide atá taighde–bhunaithe san áireamh ann) le linn thréimhse 2007–2012. Is léir go bhfuil cláir mhaoinithe taighde an AE atá comhoibríoch agus iomaíoch ag cur go mór le fuinneamh agus le nuálaíocht phobal thaighde mara na hÉireann agus cuireann siad breis le maoiniú taighde a fhaightear trí chlár náisiúnta um thaighde, fhorbairt agus nuálaíocht amhail iad siúd a fhaigheann tacaíocht faoin bPlean Forbartha Náisiúnta (2007–2013).

Is comhpháirtí é Foras na Mara i gcúig cinn (ACRUNET, BENTHIS, COFASP, COOPEUS, GEPETO) de na 26 tionscadal nua in 2012, agus a bhfuil deontais os cionn €330,000 faighte aige ina leith.

Tá sonraí i leith deiseanna um Maoiniú Taighde an AE mínithe ar leathanach gréasáin Fhoras na Mara (www.marine.ie/home/funding/InternationalFunding/) agus is féidir teacht ar bhunachar sonraí tionscadal le maoiniú AE ag an EurOCEAN Knowledge Gate (www.kg.eurocean.org/).

Tionscadail FP7 an AE (2012)

AR MUIR: Teicstílí Sárffhorbartha le haghaidh Saothrú Bithmhaise amach san Fharraige Mhór. *OceanFuel Ltd.*

BENTHIS: Staidéar ar Thionchar Éiceachórais Bheantaigh ar lascaigh *Foras na Mara.*

BIOFECTOR: Caomhnú Acmhainne a bhaint amach trí ‘BIOeffECTORanna’ a chur chun feidhme i dTairgeadh Barr na hEorpa. *BioAtlantis Ltd.*

CITCLOPS: Réadlann saoránach le haghaidh monatóireacht optúil a dhéanamh ar an gcósta agus ar an aigéan. *CoastWatch.*

COFASP: Comhoibriú i dtionscail lascaigh, Dobharshaothaithe agus Próiseála Bia Mara. *Foras na Mara.*

COOPEUS: Creat a thógáil do Chomhoibriú Trasatlantach Inbhuanaithe sa Réimse Bonneagair um Taighde Comhshaoil. *Foras na Mara.*

ECSAFEFOOD: Éilleáin timpeallachta tosaíochta i mbia mara: measúnú sábháilteachta, tionchar agus dearcadh an phobail. *AquaTT Ltd.*

EUROSHELL: An bhearna a líonadh idir an eolaíocht agus táirgeoirí chun tacú le hearnáil táirgthe mhoileasc mara na hEorpa. *Coláiste na hOllscoile, Corcaigh / Cumann Saothróirí Bradáin na hÉireann Teo.*

IDREEM: Éifeachtúlacht Acmhainn Thionsclaíoch a Mhéadú i Muirshaothrú na hEorpa. *Daithi O’Murchu Stáisiún Taighde Mara (DOMMRS).*

KILL Spill: Réitigh Chomhtháite Biteicneolaíochta chun dul i ngleic le Doirteadh Ola Muirí. *Ollscoil na hÉireann, Gaillimh.*

MaCuMBA: Miocrorgánaigh Mhara: Modhanna saothraithe lena bhFeidhmeanna Biteicneolaíochta a Fheabhsú. *Coláiste na hOllscoile, Corcaigh / AquaTT Ltd.*

MARLISCO: Bruscar Mara i bhFarraigí na hEorpa: Feasacht agus Comhfhreagracht Shóisialta. *Coláiste na hOllscoile, Corcaigh.*

PharmaSea: Luach agus Sreabhadh a Mhéadú i bPíblíne na Bithfhionnachtana Mara *Coláiste na hOllscoile, Corcaigh.*

STAGES: An Eolaíocht agus an Teicneolaíocht ag Cur Rialachas maidir le Dea–Stádas Comhshaoil Chun Cinn (MSFD). *Aqua TT Ltd.*

INTERREG–IV (2012)

ACCSEAS:Inrochtaineacht maidir le Loingseoireacht, Éifeachtúlacht, Buntáistí agus Inbhuanaitheacht.*Coimisinéirí Soilse na hÉireann/ Teach na Tríonóide.*

ACRUNET:Cur chuige idirchéimeach maidir le hlomaíochas agus le Nuálaíocht i dTionscal na bPortán Dearg. *Cumann lascairí na gCealla Beaga / Foras na Mara / Bord Bia.*

ARCOPOLUS: Sábháilteacht Mhuirí / Freagairt ar Thruailliú Ola. *Coláiste Náisiúnta Muirí na hÉireann.*

ATLANTICPOWER: Oiliúint i gcomhair na hEarnála Fuinnimh In–Athnuaite Muirí & Nideoga Margaidh Nua a Aithint. *Comhairle Contae na Gaillimhe / Institiúid Teicneolaíochta Chorcaí.*

ENERGYMARE:Comhoibriú ar tháirgeadh Fuinnimh In–athnuaite feabhsaithe sa spás Atlantach.*Gníomhaireacht Fuinnimh Luimnigh / Ollscoil na hÉireann, Gaillimh.*

GEPETO:Bainistíocht lascaigh agus Cuspóirí Trasnáisiúnta. *Foras na Mara.*

HARVEST ATLANTIC: Feidhm a bhaint as na hacmhainní uile atá luachmhar do Gheilleagair na gCríoch Cois Farraige timpeall an Atlantaigh. *Údarás Réigiúnach an Iardheiscirt /Institiúid Teicneolaíochta Chorcaí.*

IBIS:Bainistíocht Chomhtháite ar Acmhainní Uisceacha idir Éire, Tuaisceart Éireann agus Albain.*Gníomhaireacht na Lochanna.*

LABELFISH: Líonra Atlantach um rialú géiniteach ar éisc agus bia mara a lipéadú agus a hinrianaitheacht. Indigo Rock Marine Research Ltd. / *Coláiste na hOllscoile, Baile Átha Cliath / Bord lascaigh Mhara.*

MARMED:Iarmhair Mhara agus Fo–tháirgí a Luachshocrú*Ollscoil na hÉireann, Gaillimh.*

MARNET: Líonra Mara na Réigiún Atlantach. *Tionól Réigiúnach na Teorann, Lár Tíre agus an Iarthair (BMW) / Ollscoil na hÉireann, Gaillimh.*

NETMAR:Córais Róbataice, Braiteoirí agus Teicneolaíochtaí Líonraithe. *Ollscoil Luimnigh / Coláiste Náisiúnta Muirí na hÉireann.*

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Eochair do ghiorrúcháin ICES:	
CM	Doiciméad Comhdhála agus Cruinnithe
ACOM	Coiste Comhairleach
FTC	Coiste Teicneolaíochta lascaigh
LRC	Coiste Acmhainní Maireachtála
RMC	Coiste Bainistíochta Acmhainní
DFC	Coiste Éisc Dédhóráigh
WKROUND	Ceardlann Tagarmhairc maidir le hlasc Cruinn
SCICOM	– Coiste Eolaíochta
SSGEF	Grúpa Stiúrtha um Fheidhm an Éiceachórais
WGNAS	Grúpa Oibre um Bradán an Atlantaigh Thuaidh
WGECO	Grúpa Oibre um Thionchair Ghníomhaíochtaí lascaireachta ar an Éiceachóras
WGMHM	Grúpa Oibre um Léarscáiliú Gnáthóige Mara
SSGSUE	Grúpa Stiúrtha um Úsáid Inbhuanaithe na nÉiceachóras
WGOH	Grúpa Oibre um Hidreagrafaíocht Aigéin
CRR	Tuarascáil ar Chomhthaighde

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AGUISÍN 5 – SONRAÍ ÁIRIMH DO CHÓRAS BHUIRÍOS UMHAILL, 2012

Sonraí áirimh in aghaidh an tsrutha do chóras Bhuiríos Umhaill, 2012

Speiceas	Léim Bradáin In aghaidh an tsrutha 2012	Tarae In aghaidh an tsrutha 2012	lomláin In aghaidh an tsrutha 2012	lomláin In aghaidh an tsrutha 2011	lomláin In aghaidh an tsrutha 2010	lomláin In aghaidh an tsrutha 2009
Bláthán Fiáin	640	31	671	523	686	549
Bradán Fiáin Earraigh	17	1	18	50	17	37
Bláthán Tógtha	2124	164	2288	866	861	1453
Breac Geal Fiáin	34	1	35	18	35	21
Fionnóg Fhiáin	86	18	104	50	37	117
Breac Rua Fiáin	47	10	47	87	104	90

Sonraí áirimh le sruth do chóras Bhuiríos Umhaill, 2012

Speiceas	Léim Bradáin Le sruth 2012	Tarae Le sruth 2012	lomláin Le sruth 2012	lomláin Le sruth 2011	lomláin Le sruth 2010	lomláin Le sruth 2009
Gealóg Bhradáin Fhiáin	7081	636	7717	6629	7123	7980
Gealóg Bhric Ghil Fhiáin	586	47	632	620	213	657
Eascann Gheal	2608	727	3335	1969	2136	2879

AGUISÍN 6 – CLÁR ÁRTHAÍ TAIGHDE 2012

Laethanta ar muir idir 01/01/2012 agus 31/12/2012	Laethanta	Suirbhéanna	Laethanta Eolaithe	Laethanta Mac Léinn
RV Celtic Voyager	272	27	1459	348
RV Celtic Explorer	291	16	3098	697
lomlán	563	43	4557	1045

RV Celtic Voyager Gníomhaíocht 2012

Suirbhé	Líon na Laethanta	Líon na nEolaithe	Laethanta Eolaithe	Líon na Mac Léinn	Laethanta Mac Léinn	Laethanta Eolaithe + Mac Léinn
Baoi Aimsire M2	2	2	4	0	0	4
Suirbhé monatóireachta geimhridh	13	6	78	0	0	78
Oiliúint fochéimithe Chuan na Gaillimhe 2012	8	5	40	82	82	122
Triail INFOMAR	2	6	12	0	0	12
Éifeachtaí Trófacha Trálaeireachta 2012	10	4	40	0	0	40
Suirbhé hidreagrafach chun tacú le forbairt earnála ar fhuinneamh na mara	19	7	133	0	0	133
Fiosrúchán geolaíoch ar ghrinneall na farraige amach ó chósta theas na hÉireann agus i Muir Éireann ó thuaidh (NSGeo)	14	7	98	0	0	98
AmSedIS: Tonnta dríodair aimplithe (Eurofleets)	11	7	77	0	0	77
GATEWAYS 1 2012	22	7	154	0	0	154
INFOMAR 1	23	5	115	0	0	115
Suirbhé ar mheánna an Torcáin	10	5	50	0	0	50
Tionscadail fochéimithe SMART i gCuan na Gaillimhe	4	2	8	6	8	16
Suirbhé sa Mhuir Cheilteach/Suirbhé Teilifíse faoin Uisce ar Mheánna Árann	10	4	40	0	0	40
Oiliúint UCC	1	6	6	4	4	10
INFOMAR 2	30	5	150	0	0	150
UWTV, Muir Éireann	10	5	50	0	0	50
Cumas na hÉireann a fheabhsú maidir le réamhaisnéis a thabhairt ar bhlás algach tocsaineach agus díobhálach ar scairbh na hÉireann.	9	5	45	0	0	45
INFOMAR 3	25	5	125	0	0	125
Próisis iompair dríodair	3	4	12	0	0	12
Suirbhé an Chláir SEAI	6	5	30	0	0	30
Comórtas Idirbhliana ag comóradh 40 bliain GMIT	1	2	2	12	12	14
SMART Sampláil fheidhmeach sa bhitheolaíocht mhuirí	4	4	16	18	72	88
Naisc éiceachórais ar scála mín i láithreacha ina bhfuil céiticigh sa Mhuir Cheilteach	7	4	28	0	0	28
Próisis iompair dríodair ar Bhanc Indreabháin, Cuan na Gaillimhe.	3	4	12	0	0	12
Oiliúint fochéimithe loinge maidir le taighde aigéaneolaíochta, beantach, meigeafhána agus iascaigh	5	6	30	50	50	80
SMART Science@Sea oiliúint ildisciplíneach muireolacíochta	6	4	24	36	36	60
Msc Bitheolaíocht Mhuirí, Coláiste na hOllscoile, Corcaigh.	2	4	8	12	12	20
SMART Oibríochtaí ildisciplíneacha muireolaíochta amach ón gcósta: Modúl coiteann na foghlama cumaisc do mhic léinn muireolaíochta	12	6	72	72	72	144
IOMLÁN	272	136	1459	292	348	1807

RV Celtic Explorer Gníomhaíocht 2012

Suirbhé	Líon na Laethanta	Líon na nEolaithe	Laethanta Eolaithe	Líon na Mac Léinn	Laethanta Mac Léinn	Laethanta Eolaithe + Mac Léinn
Rannóga aigéaneolaíochta, bithgheoiceimice agus geolaíochta i ndáil le hathrú aeráide	10	8	80	2	20	100
BSH Uimh. 1	10	9	90	0	0	90
Céiticigh ar an teorainn III	11	11	121	9	99	220
BHS Uimh. 2	9	7	63	0	0	63
Suirbhé fuaimiúil an fhaoitín ghoirm	21	7	147	0	0	147
Bithéagsúlacht agus éiceachórais duibheagáin	18	6	108	8	144	252
CFER 2012 suirbhé fuaimiúil iascaigh	41	9	306	8	272	578
Leibhéal na mara NERC 2012	11	12	132	0	0	132
Suirbhé Fuaimiúil Scadáin an Iarthuaiscirt	21	9	189	0	0	189
ECO2@NorthSea	18	16	288	3	54	342
BSH Uimh. 3	35	11	385	0	0	385
ROV a thástáil ar mhodhanna éagsúla ag baint úsáide as braiteoirí comhtháite le haghaidh oibríochtaí seandálaíochta faoi uisce	7	10	70	6	42	112
Suirbhé na hÉireann ar éisc ghrinnill Céim 1	16	14	224	0	0	224
Suirbhé Fuaimiúil Scadáin na Mara Ceilte	21	15	315	0	0	315
BSH Uimh. 4	9	15	135	0	0	135
Suirbhé na hÉireann ar éisc ghrinnill Céim 2 agus Céim 3	33	25	445	4	66	511
IOMLÁN	291	184	3098	40	697	3795

Aguisíní

RV Celtic Voyager Sonraí ar Thuras Mara 2012

Cód an tSuirbhé	Príomheolaí	Eagraíocht	Cur Síos	Dáta Tosaigh	Dáta Deiridh	Líon na Laethanta
CV12001	Sheena Fennell, Uasal	Ollscoil na hÉireann, Gaillimh	Baoi Aimsire M2	30/1/2012	31/1/2012	2
CV12002	An Dr Evin McGovern	Foras na Mara	Suirbhé monatóireachta geimhridh	1/2/2012	13/2/2012	13
CV12003	An Dr Rachel Cave	Ollscoil na hÉireann, Gaillimh	Oiliúint Fochéimithe Chuan na Gaillimhe 2012	14/2/2012	21/2/2012	8
CV12032	An tUas. Kevin Sheehan	Foras na Mara	Triail INFOMAR	23/2/2012	24/2/2012	2
CV12004	An Dr Samuel Shephard	Institiúid Teicneolaíochta na Gaillimhe–Mhaigh Eo	Éifeachtaí Trófacha Tráláireachta 2012	25/2/2012	15/3/2012	10
CV12005	An tUas. Kevin Sheehan	Foras na Mara	Suirbhé hidreagrafach chun tacú le forbairt earnála ar fhuinneamh na mara	6/3/2012	24/3/2012	19
CV12006	An Dr Boris Dorschel	Coláiste na hOllscoile, Corcaigh	Fiosrúchán geolaíoch ar ghrinneall na farraige amach ó chósta theas na hÉireann agus i Muir Éireann ó thuaidh (NSGeo)	25/3/2012	7/4/2012	14
CV12007	An tUas. Katrien Van Landeghem	Ollscoil Learphoill	AmSedIS: Tonnta dríodair aimplithe (Eurofleets)	9/4/2012	12/5/2012	22
CV12009	An tUas. Kevin Sheehan	Foras na Mara	INFOMAR 1	14/5/2012	5/6/2012	23
CV12010	An tUas. Colm Lordan	Foras na Mara	Suirbhé ar mheánna an Torcáin	8/6/2012	17/6/2012	10
CV12026	An Dr Rachel Cave	Ollscoil na hÉireann, Gaillimh	Tionscadail fochéimithe SMART i gCuan na Gaillimhe	20/6/2012	23/6/2012	4
CV12012	Jennifer Doyle, Uasal	Foras na Mara	Suirbhé sa Mhuir Cheilteach/ Suirbhé Teilifíse faoin Uisce ar Mheánna Árann	24/6/2012	3/7/2012	10
CV12027	An Dr Jimmy Murphy	Coláiste na hOllscoile, Corcaigh	Oiliúint UCC	6/7/2012	6/7/2012	1
CV12014	An tUas. Fabio Sacchetti	Foras na Mara	INFOMAR 2	9/7/2012	7/8/2012	30
CV12015	An tUas. Ross Fitzgerald	Foras na Mara	UWTV, Muir Éireann	8/8/2012	17/8/2012	10
CV12016	An tUas. Joe Silke	Foras na Mara	Cumas na hÉireann a Fheabhsú maidir le Réamhaisnéis a thabhairt ar Bhlás Algach Tocsaineach agus Díobhálach ar Scairbh na hÉireann.	19/8/2012	27/8/2012	9
CV12017	An tUas. Kevin Sheehan	Foras na Mara	INFOMAR 3	29/8/2012	22/9/2012	25
CV12023	An Dr Garret Duffy	Ollscoil na hÉireann, Gaillimh	Próisis iompair dríodair	24/9/2012	126/9/2012	3
CV12028	An tUas. Jim Walsh	Neamhshannta	Suirbhé an Chláir, SEAI	27/9/2012	2/10/2012	6
CV12031	An Dr Pauhla McGrane	Institiúid Teicneolaíochta na Gaillimhe–Mhaigh Eo	Comórtas Idirbhliana ag comóradh 40 bliain GMT	7/10/2012	7/10/2013	1
CV12019	An tUas. John Boyd	Institiúid Teicneolaíochta na Gaillimhe–Mhaigh Eo	SMART Sampláil fheidhmeach sa bhitheolaíocht mhuirí	11/10/2012	14/10/2012	4
CV12029	Mareike Volkenandt, Uasal	Institiúid Teicneolaíochta na Gaillimhe–Mhaigh Eo	Naisc éiceachórais ar scála mín i láithreacha ina bhfuil céiticigh sa Mhuir Cheilteach	21/10/2012	27/10/2012	7
CV12024	An Dr Garret Duffy	Ollscoil na hÉireann, Gaillimh	Próisis iompair dríodair ar Bhanc Indreabháin, Cuan na Gaillimhe.	29/10/2012	31/10/2013	3
CV12030	An Dr Ian O'Connor	Institiúid Teicneolaíochta na Gaillimhe–Mhaigh Eo	Oiliúint fochéimithe loinge i modhanna taighde aigéaneolaíochta, beantach, megafunga agus iascaigh	1/11/2012	5/11/2012	5
CV12020	An Dr Pauhla McGrane	Institiúid Teicneolaíochta na Gaillimhe–Mhaigh Eo	SMART Science@Sea oiliúint ildisciplíneach muireolacíochta	7/11/2012	12/11/2012	6
CV12022	An Dr Rob McAllen	Coláiste na hOllscoile, Corcaigh	Msc Bitheolaíocht Mhuirí, Coláiste na hOllscoile, Corcaigh.	15/11/2012	16/11/2012	2
CV12021	Dr. Pauhla McGrane	Galway Mayo Institute of Technology	SMART Multidisciplinary offshore operations in marine science: A common blended learning module for students of marine science	17/11/2012	28/11/2012	12

RV Celtic Explorer Sonraí ar Thuras Mara 2012

Cód an tSuirbhé	Príomheolaí	Eagraíocht	Cur Síos	Dáta Tosaigh	Dáta Deiridh	Líon na Laethanta
CE12001	An Dr Glenn Nolan	Foras na Mara	Rannóga aigéaneolaíochta, bithgheoiceimice agus geolaíochta i ndáil le hathrú aeráide	3/1/2012	12/1/2012	10
CE12002	An Dr Stefan Schmolke	(An Ghearmáin) Gníomhaireacht Mhuirí agus Hidreagrafach Chonáidhme na Gearmáine (BSH)	Suirbhé BSH Uimh. 1	17/1/2012	26/1/2012	10
CE12003	An Dr Joanne O'Brien	Institiúid Teicneolaíochta na Gaillimhe–Mhaigh Eo	Céiticigh ar an teorainn III	24/2/2012	5/3/2012	11
CE12004	Sieglinde Weigelt, Uasal	(An Ghearmáin) Gníomhaireacht Mhuirí agus Hidreagrafach Chonáidhme na Gearmáine (BSH)	BSH Uimh. 2	9/3/2012	17/3/2012	9
CE12005	An tUas. Ciaran O'Donnell	Foras na Mara	Suirbhé fuaimiúil an fhaoitín ghoirm	22/3/2012	11/4/2012	21
CE12006	An Dr Louise Allcock	Ollscoil na hÉireann, Gaillimh	Bithéagsúlacht agus éiceachórais duibheagáin	12/4/2012	29/4/2012	18
CE12007	An Dr George Rose	Talamh an Éisc – Fisheries and Marine Institute of Memorial University	CFER 2012 suirbhé fuaimiúil iascaigh	30/4/2012	2/6/2012	34
CE12008	An tOllamh Andrew Cooper	Ollscoil Uladh	Leibhéal na mara NERC 2012	10/6/2012	20/6/2012	11
CE12009	An Dr Cormac Nolan	Foras na Mara	Suirbhé Fuaimiúil Scadáin an Iarthuaiscirt	21/6/2012	11/7/2012	21
CE12010	An Dr Peter Linke	(An Ghearmáin) Gníomhaireacht Mhuirí agus Hidreagrafach Chonáidhme na Gearmáine (BSH)	ECO2@NorthSea	20/7/2012	10/9/2012	18
CE12011	An tUas. Holger Klein	(An Ghearmáin) Gníomhaireacht Mhuirí agus Hidreagrafach Chonáidhme na Gearmáine (BSH)	BSH Uimh. 3	7/8/2012	10/9/2012	35
CE12012	An Dr Daniel Toal	Ollscoil Luimnigh	ROV a thástáil ar mhodhanna éagsúla ag baint úsáide as braiteoirí comhtháite le haghaidh oibríochtaí seandálaíochta faoi uisce	14/9/2012	20/9/2012	7
CE12013	An tUas. Dave Stokes	Foras na Mara	Suirbhé na hÉireann ar éisc ghrinnill céim 1	23/9/2012	8/10/2012	16
CE12014	An tUas. Ciaran O'Donnell	Foras na Mara	Suirbhé fuaimiúil scadáin na Mara Ceiltí	9/10/2012	29/10/2012	21
CE12015	An Dr Stefan Schmolke	(An Ghearmáin) Gníomhaireacht Mhuirí agus Hidreagrafach Chonáidhme na Gearmáine (BSH)	BSH Uimh. 4	2/11/2012	10/11/2012	9
CE12016	An tUas. Hans Gerritsen	Foras na Mara	Suirbhé na hÉireann ar éisc ghrinnill céim 2 agus céim 3	15/11/2012	17/12/2012	33

Aguisíní

AGUISÍN 7: GNÍOMHAÍOCHTAÍ EACHTRANNACHA TAIGHDE EOLAÍOCHTA MUIRÍ IN UISCÍ NA HÉIREANN IN 2012

Gníomhaíocht Árthaí Iasachta 2012

Laethanta Eolaithe in Éirinn	Laethanta Eolaithe san Iasacht
4557	2803

Ainm an Árthaigh	Tír	Líon na Laethanta	Líon na nEolaithe	Laethanta Eolaithe
Benaiah IV	An Bhreatain	30	2	60
Scotia	An Bhreatain	7	7	49
Fridtjof Nansen	An Rúis	17	15	255
Tridens	An Ísiltír	16	6	96
MS Brennholn	An Iorua	6	6	36
Scotia	An Bhreatain	6	12	72
TBC	An Iorua	20	5	100
RRS James Cook	An Bhreatain	7	30	210
BNS Belgica	An Bheilg	8	15	120
RRS Discovery	An Bhreatain	8	28	224
BNS Belgica	An Bhreatain	9	15	135
Thalassa	An Fhrainc	6	14	84
RRS Discovery	An Bhreatain	10	20	200
Vizconde De Eza	An Spáinn	28	14	392
Scotia	An Bhreatain	7	7	49
Endeavour	An Bhreatain	10	7	70
Pelagia	An Ísiltír	19	14	266
RRS James Cook	An Bhreatain	4	32	128
Christina E	An Iorua	3	6	18
Thalassa	An Fhrainc	11	15	165
Endeavour	An Bhreatain	1	18	18
Scotia	An Bhreatain	7	8	56
IOMLÁN		240	296	2803

Gluais na nGiorrúchán

AMS	Ardseirbhísí Léarscáilithe
ASIMUTH	Insamhlúcháin fheidhmeacha agus samhaltú comhtháite le haghaidh tuiscint a fháil ar bhlás algach atá tocsaineach agus díobhálach
ASTOX II	Measúnú Tocsaineolaíoch ar Asaispioraigéid, Modhanna Tástála agus Sainaitheint an Orgánaigh Fhoinsigh
BA	Baitsiléir Ealaíon
BENTHIS	Staidéar ar Thionchar Éiceachórais Bheantaigh ar Iascaigh
BIM	Bord Iascaigh Mhara
BsC	Baitsiléir Eolaíochta
BSH	Bundesamt für Seeschifffahrt und Hydrographie – Gnómháireacht Mhuirí agus Hidreagrafach Chonádhme na Gearmáine
CEO	Príomhoifigeach Feidhmiúcháin
CoOPEUS	Comhoibriú idir SAM agus an AE i réimse na n-infreastruchtúr um thaighde comhshaoil.
DAFM	An Roinn Talmhaíochta, Bia agus Mara
DCENR	an Roinn Cumarsáide, Fuinnimh agus Acmhainní Náúúrtha
DCF	An Creat um Bailiú Sonraí
DG	an Ard-Stiúrtóireacht (um Thaighde agus Nuálaíocht)
DG Mare	Ard-Stiúrtóireacht na nGnóthaí Muirí agus na hIascaireachta
DECLG	An Roinn Comhshaoil, Pobail agus Rialtais Áitiúil
DEEPFISHMAN	An téiceachóras Domhainmhara a Bhainistiú
DTTAS	an Roinn Iompair, Turasóireachta agus Spóirt
EMEA	Réigiúin na hEorpa, an Mheánoirthir, agus na hÁise
EMSO	Faireachlann Ildisciplíneach Eorpach Ghrinneall na Farraige
ENVIRO-FI	An Gréasán Breathnóireachta Comhshaoil agus a Fheidhmeanna Seirbhísí laistigh d'Idirlíon na Todhchaí
EPA	An Ghníomhaireacht um Chaomhnú Comhshaoil
EPS	Scéim Comhpháirtíochta Fiontraíochta
ERIAB	Bord um Thaighde agus Nuálaíocht na hEorpa
ESOF	Fóram Oscailte Eolaíochta na hEorpa
ETP	Gradam ‘Scothsheirbhís ó Scothfhostaithe’
AE	An tAontas Eorpach
EuroGOOS	Córas Eorpach um Breathnóireacht Aigéin an Domhain
FEAS	Seirbhísí Comhairleacha um Éiceachórais Iascaigh
FP7	An Seachtú Creachlár
FSAI	Údarás Sábháilteachta Bia na hÉireann
GDP	Olltáirgeacht Náisiúnta
GLEON	Gréasán na Réadlann Éiceolaíochta Lochanna an Domhain

HABS	Seirbhís um Blás Algach Díobhálach
HEA	An tÚdarás um Ard-Oideachas
HEAnet	Gréasán Náisiúnta Oideachais agus Taighde na hÉireann
IBM	Corparáid IBM
ICES	An Chomhairle Idirnáisiúnta um Thaiscéalaíocht na Mara
ICT	Teicneolaíocht Faisnéise agus Cumarsáide
IDA	An tÚdarás Forbartha Tionscail
IFSRP	Comhpháirtíocht Taighde Eolaíochta Iascaigh na hÉireann
IMDO	Oifig Forbartha Muirí na hÉireann
INFOMAR	Léarscáiliú Comhtháite d'Fhorbairt Inbhuanaithe Acmhainn Mhara na hÉireann
INSPIRE	Bonneagar d'Fhaisnéis Spásúlachta sa Chomhphobal Eorpach
INTERREG	Clár Comhoibrithe Idir-Réigiúnach an AE
IPI	Institiúid Pleanála na hÉireann
IPORES	Seirbhísí Fuinneamh Inathnuaite Amach ón gCosta i gCalafoirt na hÉireann.
IRCSET	Comhairle Taighde na hÉireann um Eolaíocht, Innealtóireacht agus Theicneolaíocht
IS&D	Seirbhísí Faisnéise agus Forbairt
ISEAS	Scéim Cúnaimh Oideachais do Mharaithe na hÉireann
IT	Teicneolaíocht Faisnéise
IUCN	Aontas Idirnáisiúnta maidir le Caomhantas Dúlra
JERICO	I dtreo chomhghréasán bonneagar taighde na hEorpa d'fhaireachlanna cósta
LPG	Gás Peitрилiam Leachtaithe
MA	Máistir Ealaíon
MBA	Máistir Riarachán Gnó
MEFS	Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia
MESH	Gnáthóga Eorpacha Ghrinneall na Farraige a Léarscáiliú
MOU	Meabhrán Tuisceana
MSc	Máistreacht san Eolaíocht
MSFD	Creat-Treoir na Straitéise Mara
MyFish	Torthaí Iascaigh a uasmhéadú agus aird chuif á tabhairt ar shaincheisteanna éiceachórais, geilleagracha agus sóisialta.
MyOcean2	seirbhís Monatóireachta Aigéin agus Réamhaisnéise
NATURA	Is ionann láithreáin NATURA 2000 agus láithreáin chosanta maidir le flóra agus fána a bhfuil tábhacht Eorpach ag baint leo
NDP	An Clár Forbartha Náisiúnta
NGO	Eagraíocht Neamhrialtasach
NPWS	An tSeirbhís Páirceanna Náisiúnta agus Fiadhúlra

NRLanna	Saotharlanna Náisiúnta Taighde
NSAI	An tÚdarás um Chaighdeáin Náisiúnta na hÉireann
OÉ Gaillimh	Ollscoil na hÉireann, Gaillimh
OÉ, Má Nuad	Ollscoil na hÉireann, Má Nuad
OSPAR	Coinbhinsiúin Osló agus Pháras (1992)
OSIS	Seirbhísí Aigéaneolaíochta (de chuid Fhoras na Mara)
PAD	An Rannóg um Ghnóthaí Peitрилiam
PhD	Dochtúireacht Fealsúnachta
PRTLl	An Clár um Thaighde in Institiúidí Tríú Leibhéal
RIAl	Institiúid Ríoga Ailtirí na hÉireann
RIBA	Institiúid Ríoga Ailtirí na Breataine
ROV	Feithicil Chianoibrithe
RTD	Taighde, Teicneolaíocht agus Forbairt
RTÉ	Raidió Teilifís Éireann
RV	Árthach Taighde
RVOpanna	Oibríochtaí Árthaí Taighde
SCS	Córas Ríomhaire Eolaíochta
SEAl	Údarás Fuinnimh Inmharthana na hÉireann
SFI	Fondúireacht Eolaíochta Éireann
SFPA	An tÚdarás um Chosaint Iascaigh Mhara
SIDERI	Gné Idirnáisiúnta an Bhonneagair Taighde Euro-Argo a Neartú
SMART	An Comhaontas Straitéiseach Mara um Thaighde agus Oiliúint
SMEnna	Fiontair Bheaga agus Mheánmhéide
SOCIOEC	Tionchar socheacnamaíoch bhearta bainistíochta Chomhbheartas Iascaigh na todhchaí.
TAC	An Ghabháil Iomlán is Incheadaithe
TD	Teachta Dála
TV	Teilifís
UCC	Coláiste na hOllscoile, Corcaigh
SAM	Stáit Aontaithe Mheiriceá
RA	An Ríocht Aontaithe
VMS	Córas Monatóireachta Árthaigh
WGOH	Grúpa Oibre um Hidreagrafaíocht Aigéin

* Le haghaidh tuilleadh eolais ar ainmneacha tionscadal agus ar ghiorrúcháin, féach freisin ar Aguisín 2 – Rannpháirtíocht na hÉireann i dTionscadail RTD an Aontais Eorpaigh.

Ráitis Airgeadais

Tuarascáil an Ard–Reachtair Cuntas agus Ciste

Lena Leagan faoi bhráid Thithe an Oireachtais

Tá iniúchadh déanta agam ar ráitis airgeadais Fhoras na Mara don bhliain dar chríoch 31 Nollaig 2012 faoin Acht um Fhoras na Mara, 1991. Is éard atá sna ráitis airgeadais, arna n–ullmhú de réir na mbeartas cuntasáíochta dá dtagraítear, na beartais chuntasáíochta, an cuntas ioncaim agus caiteachais, an ráiteas ar ghnóthachain agus caillteanais aitheanta iomlána, an clár comhardaithe, an ráiteas ar shreabhadh airgid agus na nótaí gaolmhara. Ullmháodh na ráitis airgeadais san fhoirm a fhorordaítear faoi Alt 12 den Acht, agus de réir an chleachtais chuntasáíochta a bhfuil glacadh leis in Éirinn.

Freagrachtaí Chomhaltaí an Bhoird

Tá an Bord freagrach as na ráitis airgeadais a ullmhú, as a chinntiú go dtugann siad léargas fírinneach cóir maidir le staid chúrsaí an Fhorais agus maidir lena ioncam agus lena chaiteachas, agus as rialtacht na n–idirbheart a chinntiú.

Freagrachtaí an Ard–Reachtair Cuntas agus Ciste

Is é an fhreagracht atá orm na ráitis airgeadais a iniúchadh agus a thuairisciú de réir an dlí is infheidhme.

Déantar m’iniúchadh trí thagairt do na léirbhreithnithe speisialta a bhaineann le comhlachtaí Stáit maidir lena mbainistíocht agus lena n–oibriú.

Déantar m’iniúchadh de réir na gCaighdeán Idirnáisiúnta Iniúcháireachta (an Ríocht Aontaithe agus Éire) agus i gcomhlíonadh na gCaighdeán Eiticiúil d’Iniúcháirí de chuid an Bhoird um Chleachtais Iniúcháireachta.

Scóp an Iniúchta ar na Ráitis Airgeadais

Baineann iniúchadh le fianaise a fháil ar na suimeanna agus na nochtuithe sna ráitis airgeadais, iad a bheith dóthanach chun dearbhú réasúnach a thabhairt go bhfuil na ráitis airgeadais saor ó mhíráiteas ábhartha, cibé acu de bharr calaoise nó earráide. Áirítear leis seo measúnú na nithe seo a leanas:

- > cibé acu an cuí nó nach cuí iad na beartais chuntasáíochta ó thaobh chúinsí an Fhorais de, agus cibé acu an bhfuil nó nach bhfuil siad curtha i bhfeidhm go comhsheasmhach agus cibé acu an bhfuil nó nach bhfuil siad nochta go cuí
- > réasúntacht na meastachán suntasach cuntasáíochta a rinneadh in ullmhú na ráiteas airgeadais, agus
- > cur i láthair iomlán na ráiteas airgeadais.

Déanaim iarracht freisin fianaise a fháil ar rialtacht na n–idirbheart airgeadais le linn an iniúchta.

Ina theannta sin, léim tuarascáil bhliantúil an Fhorais chun aon neamhréireachtaí ábhartha i dtaca leis na ráitis airgeadais iniúchta a aithint. Má thugaim aon mhíráiteas nó neamhréireacht ábhartha dealraitheach i dtaca leis na ráitis airgeadais faoi deara, déanaim na himpleachtaí ar mo thuarascáil a mheas.

Tuairim faoi na Ráitis Airgeadais

I mo thuairim, tugann na ráitis airgeadais, a ullmháodh mar ba cheart de réir an chleachtais chuntasáíochta a bhfuil glacadh leis in Éirinn, léargas fírinneach cóir maidir le staid chúrsaí an Fhorais amhail an 31 Nollaig 2012 agus maidir lena ioncam agus lena chaiteachas don bhliain dar chríoch sin.

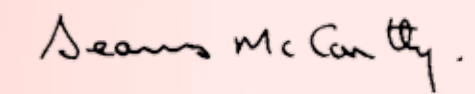
I mo thuairim, tá leabhair chuntais chuí á gcoimeád ag an bhForas. Tá na ráitis airgeadais ag teacht leis na leabhair chuntais.

Nithe ar a dtuairiscím trí eisceacht

Tuairiscím trí eisceacht sna cásanna seo a leanas:

- > ní bhfuair mé an fhaisnéis agus na mínithe ar fad a theastaigh uaim le haghaidh m’iniúchta, nó
- > tugadh faoi deara i m’iniúchadh aon chás ábhartha inar caitheadh airgead ar fheidhmeanna eile seachas na feidhmeanna beartaithe nó i gcás nach raibh na hidirbhearta de réir na n–údarás atá á rialú, nó
- > níl an fhaisnéis a tugadh i dtuarascáil bhliantúil an Fhorais comhsheasmhach leis na ráitis airgeadais, nó
- > ní léirítear sa ráiteas ar rialú inmheánach airgeadais gur chomhlíon an Foras an Cód Cleachtais um Rialú Comhlachtaí Stáit, nó
- > braithim go bhfuil nithe ábhartha eile a bhaineann leis an dóigh a ndearnadh gnó poiblí.

Níl aon rud le tuairisciú agam maidir leis na hábhair siúd ar a dtuairiscítear trí eisceacht.



Seamus McCarthy

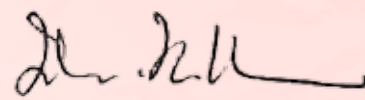
An tArd–Reachtair Cuntas agus Ciste

18 Aibreán 2014

Ráiteas ar Fhreagrachtaí an Bhoird

Ceanglaíonn alt 12 den Acht um Fhoras na Mara, 1991, ar an bhForas ráitis airgeadais a ullmhú i cibé foirm a cheadóidh an tAire Talmhaíochta, lascaigh agus Bia. Agus na ráitis airgeadais sin á n-ullmhú acu, ceanglaítear ar Bhord an Fhorais:

- > Beartais chuntasaíochta oiriúnacha a roghnú agus iad a chur chun feidhme go comhsheasmhach;
- > Breithiúnais agus meastacháin atá réasúnach agus stuama a dhéanamh;
- > Cibé acu ar comhlíonadh nó nár comhlíonadh caighdeáin chuntasaíochta infheidhme, faoi réir aon imeacht ábhartha a nochtadh agus a míníodh sna ráitis airgeadais;

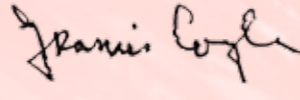


An tUasal John Killeen
Comhalta Boird
25 Márta 2014

- > Na ráitis airgeadais a ullmhú ar bhonn gnóthas leantach ach amháin mura bhfuil sé cuí glacadh leis go leanfaidh an Foras air ag feidhmiú.

Tá an Foras freagrach as leabhair chuntais chearta a choinneáil a nochtann le cruinneas réasúnta ag am ar bith seasamh airgeadais an Fhorais agus a chuireann ar a chumas a chinntiú go gcomhlíonann na ráitis airgeadais Alt 12(1) den Acht.

Tá an Foras freagrach chomh maith as a chuid sócmhainní a chosaint agus as bearta réasúnta a dhéanamh chun calaois agus neamhrialtachtaí eile a chosc agus a bhrath.



An tUasal Francis Coyle
Comhalta Boird
25 Márta 2014

Ráiteas ar Rialú Inmheánach Airgeadais

Thar ceann Bhord Fhoras na Mara, tuigim an fhreagracht atá orainn a chinntiú go gcothaítear agus go gcuirtear i bhfeidhm córas éifeachtach um rialú inmheánach airgeadais.

Ní féidir leis an gcóras ach dearbhú réasúnta, agus ní dearbhú iomlán, a chur ar fáil go gcosnaítear sócmhainní, go dtugtar údarás do gach idirbheart agus go dtaifeadtar iad i gceart, agus go ndéanfaí earráidí nó neamhrialtachtaí ábhartha a chosc nó a bhrath go tráthuíl.

Tá céimeanna glactha ag an mBord chun a chinntiú go mbíonn timpeallacht rialaithe oiriúnach i bhfeidhm mar seo a leanas:

- > Freagrachtaí agus cumhachtaí na bainistíochta a shainmhíniú go soiléir;
 - > Nósanna imeachta foirmiúla a shuí chun monatóireacht a dhéanamh ar ghníomhaíochtaí agus chun sócmhainní na heagraíochta a chosaint;
 - > Nós freagrachta a fhorbairt i ngach réimse den eagraíocht.
- Tugadh faoi athbhreithniú ar bhainistíocht riosca in 2012 agus cuireadh na gnéithe seo a leanas san áireamh ann:
- > Measúnú ar oiriúnacht agus ar éifeachtacht an bheartais reatha agus na nósanna imeachta reatha i dtaca le sainaitheint agus le measúnú ar rioscaí gnó;
 - > Cineál, méid agus impleacht airgeadais na rioscaí atá roimh an bhforas a shainaitheint, lena n-áirítear an mhéid agus na cineálacha atá inghlactha, dar leo;
 - > Measúnú a dhéanamh ar an dealraitheacht go dtarlódh na rioscaí sainaitheanta;
 - > Leanúint ar aghaidh ag oibriú go dlúth leis an Rialtas agus le Gníomhaireachtaí éagsúla chun a chinntiú go mbíonn tuiscint shoiléir ar spriocanna Fhoras na Mara agus go dtacaítear le straitéisí an Fhorais chun na spriocanna sin a bhaint amach.

Tá an córas um rialú inmheánach airgeadais bunaithe ar chreatlach d'fhaisnéis rialta bhainistíochta, nósanna imeachta riaracháin, lena n-áirítear deighilt dualgas, agus córas tarmलगin agus freagrachta. Áirítear leis seo go sonrach:

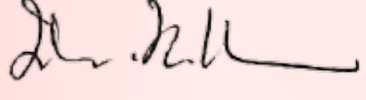
- > Córas cuimsitheach buiséadaithe le buiséad bliantúil a dhéanann an Bord a athbhreithniú agus a chomhaontú;

- > Athbhreithnithe rialta ag an mBord ar thuarascálacha airgeadais tréimhsiúla agus bliantúla a thaispeánann comhlíonadh airgeadais i gcoinne réamhaisnéise;
- > Socrú spriocanna chun comhlíonadh airgeadais agus comhlíonadh eile a thomhas;
- > Disciplíní foirmiúla bainistíochta tionscadail.

Chuir Foras na Mara feidhm inmheánach iniúchta ar bun a fheidhmíonn de réir an Chreatchóid Dea-chleachtais a leagtar amach sa Chód Cleachtais um Rialú Comhlachtaí Stáit. Cuireann obair an iniúchta inmheánaigh bonn taca faoin anailís ar an riosca a bhfuil an Foras nochtta dó, agus tá pleananna bliantúla maidir le hiniúchadh inmheánach bunaithe ar an anailís seo. Thug an Coiste Iniúcháireachta tacaíocht don anailís ar riosca agus don phlean maidir le hiniúchadh inmheánach in 2012 agus d'fhaomh an Bord iad. Fuair an Coiste Iniúcháireachta an tuarascáil um ghníomhaíocht iniúchta inmheánaigh in 2012, agus cuireadh í seo faoi bhráid an Bhoird. Áiríodh leis an tuarascáil tuairim an Iniúcháir Inmheánaigh faoi fhiúntas agus éifeachtúlacht an chórais um rialú inmheánach airgeadais. Múnláítear an mhonatóireacht agus an t-athbhreithniú a dhéanann an Bord ar éifeachtúlacht an chórais um rialú inmheánach airgeadais de thoradh obair an iniúcháir inmheánaigh, obair an Choiste Iniúcháireachta a dhéanann maoirsiú ar obair an iniúcháir inmheánaigh, na bainisteoirí feidhmiúcháin i bhForas na Mara atá freagrach as forbairt agus as cothabháil na creatlaí rialaithe airgeadais, agus tuairimí an Ard-Reachtair Cuntas agus Ciste ina litir bhainistíochta.

Rinne an Bord athbhreithniú ar éifeachtacht an chórais um rialuithe inmheánacha airgeadais in 2012 agus rinne siad iad a fhaomhadh.

Thar ceann an Bhoird:



An tUasal John Killeen
Cathaoirleach
25 Márta 2014

Beartais Chuntasaíochta

Don bhliain dar chríoch 31 Nollaig 2012

1.

Ginearálta

Ullmhaíodh na ráitis airgeadais faoin modh fabhraithe cuntasafóchta, ach amháin nuair a chuirtear a mhalairt in iúl anseo thíos, agus de réir chleachtas cuntasafóchta a bhfuil glacadh leis. Glactar le caighdeáin maidir le tuairisciú airgeadais atá molta ag na comhlachtaí cuntasafóchta aitheanta nuair a chuirtear i bhfeidhm iad.
2.

Ioncam

Aithnítear ioncam a eascraíonn ó Dheontas i gCabhair an Oireachtais de réir fáltais airgid.
3.

Ioncam Iarchurtha

Caitear le hioncam agus le réamhfócaíochtaí a fuarthas ón Aontas Eorpach agus ó thionscadail taighde eile ar conradh mar ioncam iarchurtha i gcás go mbíonn an tionscadal taighde ar bun agus go bhfuil caiteachas todhchaí ann le muirearú in aghaidh an tionscadail. Aithnítear an t-ioncam seo sa tréimhse chuntasaíochta ina muirearaítear an caiteachas gaolmhar. Nuair a chuirtear tionscadal ar leith i gcrích, tugtar aon iarmhéid neamhúsáidte ar an gcuntas ioncaim iarchurtha don tionscadal sin chun cuntais freisin mar ioncam.
4.

Sócmhainní Seasta agus Dímhéas

Cuirtear dímhéas ar fáil sa mhodh dronlíneach de réir rátaí a measadh chun na sócmhainní a laghdú go dtí a luach inréadaithe faoi dheireadh a saoil ionchais. Is iad seo a leanas na rátaí atá i gceist:

Foirgnimh	2%
Gléasra agus Trealamh	25%
Daingneáin agus Feistis	25%
Ríomhairí	33%
Árthach Taighde	4%
Trealamh d'Árthach Taighde	25%
Athghléasadh Árthach Taighde	20%
Mótarfheithiclí	20%
Ní dhéantar dímhéas ar thalamh	
5.

Sócmhainní Léasaithe

Gearrtar fócaíochtaí faoi léasanna oibriúcháin (Nóta 18) ar an gcuntas ioncaim agus caiteachais sa bhliain a mbaineann siad lé i.
6.

Cuntas Caipitil

Nochtann an Cuntas Caipitil an luach gan amúchadh atá ar an ioncam a cuireadh i bhfeidhm ar mhaithe le cúrsaí caipitil.

7.

Airgeadraí Coigríocha

Aistrítear sócmhainní agus dliteanais airgid arna n-ainmniú in airgeadraí coigríche de réir rialachán na rátaí malairte ar an dáta a luaitear sa Chlár Comhardaithe. Aistrítear ioncam agus costais de réir rialachán na rátaí malairte ar na dátaí a luaitear leis na bunbhearta.
8.

Tionscadail Mhara: Taighde, Teicneolaíocht, Forbairt agus Nuálaíocht (RTDI)

Téann Foras na Mara isteach i ngealltanais maidir le conarthair a bhronntar ar thionscadail RTDI Mhara. Gearrtar caiteachas sna ráitis airgeadais de réir fócaíochtaí tosaigh a dhéantar tar éis chonradh an tionscadail a shíniú, d'fhéadfaí fócaíocht eatraimh a dhéanamh faoi réir feidhmíocht shásúil agus gearrtar fócaíochtaí breise tar éis éilimh maidir leis an obair atá críochnaithe a fháil agus a fhíorú. Maoiníonn an NDP na costais a thabhaítear ar an bhForas de bharr riar tionscadal RTDI agus gearrtar iad ar na ráitis airgeadais de réir mar a thabhaítear iad.
9.

Sócmhainn Mhaoinithe Iarchurtha le haghaidh Pinsean

Tá scéimeanna pinsin le sochair sainithe i bhfeidhm ag Foras na Mara atá á maoiniú gach bliain ar bhonn 'íoctar mar a úsáidtear' ón airgead a chuirtear ar fáil dóibh, lena n-áirítear airgead ón Roinn Talmhaíochta, Bia agus Mara.

Léiríonn na costais phinsin na sochair pinsin a shaothraíonn fostaithe sa tréimhse lena mbaineann agus cuirtear in iúl iad mar ghlan-rannfócaíochtaí pinsin na mball foirne a chuirtear chun na Roinne Talmhaíochta, Bia agus Mara. Breathnaítear ar mhéid a chomhfhreagraíonn don mhuirear pinsin mar ioncam inghnóthaithe, agus fritháirítear ag deontais a fhaightear i rith na bliana le hifócaíochtaí pinsin a urscaoileadh.

Léirítear gnóthachain nó caillteanais achtúireacha a eascraíonn ó dhliteanais scéime sa Ráiteas ar Ghnóthachain agus Caillteanais Aitheanta Iomlána agus tá coigeartú comhfhreagrach aitheanta sa tsuim atá inghnóthaithe ón Roinn Talmhaíochta, Bia agus Mara.

Léiríonn dliteanais phinsin luach reatha na n-íocaíochtaí pinsin amach anseo a ghnóthaigh baill foirne go dtí seo. Is éard atá i gceist le maoiniú pinsin iarchurtha an tsócmhainn chomhfhreagrach a ghnóthófar amach anseo ón Roinn Talmhaíochta, Bia agus Mara.

Cuntas Ioncaim agus Caiteachais

Don bhliain dar chríoch an 31 Nollaig 2011

	Nóta	2012 €'000	2011 €'000
Ioncam			
Deontais an Oireachtais	2	23,523	25,115
Ioncam Eile	3	11,882	11,179
Glanmhaoiniú Iarchurtha le hAghaidh Pinsean	17	2,857	3,184
		38,262	39,478
Aistriú (chuig)/ón gCuntas Caipitil	10	738	2,640
		39,000	42,118

Caiteachas

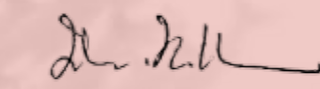
Seirbhísí Corparáideacha	4	4,488	4,283
Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia	5	7,665	6,349
Seirbhísí Comhairleacha um Éiceachórais Iascaigh	6	4,815	5,005
Seirbhísí Eolaíochta Aigéin	7	11,900	12,173
Oifig Forbartha Muirí na hÉireann	8	895	807
Clár SSTI agus RTDI Mara	12	6,772	8,933
Costais Phinsean	17	2,878	3,153
Aisíoc leis an Státchiste	16	270	0
Caiteachas Iomlán		39,683	40,703

Barrachas/(Easnamh) don bhliain	(683)	1,415
Barrachas amhail an 1 Eanáir	2,464	1,049
Barrachas amhail an 31 Nollaig	1,781	2,464

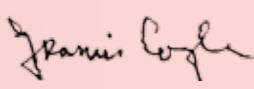
Ráiteas ar Ghnóthachain agus Caillteanais Aitheanta Iomlána

(Easnamh)/Barrachas don bhliain	(683)	1,415
Gnóthachain/(Caillteanais) Achtúireacha ar Dhliteanais Scéime Pinsin Athruithe ar Thóimhdí	1,360	3,080
Coigeartú ar Mhaoiniú Iarchurtha Pinsin	(1,360)	(3,080)
Gnóthachain agus Caillteanais Aitheanta Iomlána don Bhliain	(683)	1,415

Baineann torthaí na bliana le hoibríochtaí leanúnacha.
Tá an Ráiteas ar Bheartais Chuntasaíochta agus Nótaí 1 – 22 ina gcuid de na ráitis airgeadais seo.



An tUasal John Killeen
Comhalta Boird
25 Márta 2014



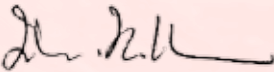
An tUasal Francis Coyle
Comhalta Boird
25 Márta 2014

Clár Comhardaithe

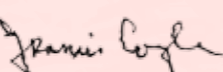
Amhail an 31 Nollaig 2012

	Nóta	2012		2011	
		€'000	€'000	€'000	€'000
Sócmhainní Seasta	11		22,552		23,290
Sócmhainní Reatha					
Féichiúnaithe agus Réamhíocaíochtaí	14	3,045		6,560	
Bainc agus Airgead		1,211		596	
		4,256		7,156	
Dlíteanais Reatha					
Creidiúnaithe agus Fabhruithe	15	2,475		4,692	
Glansócmhainní Reatha			1,781		2,464
Sócmhainní Iomlána Lúide Dlíteanais Reatha roimh Phinsin					
Maoiniú larchurtha Pinsin		27,501		26,004	
Dlíteanais Phinsin		(27,501)		(26,004)	
Sócmhainní Iomlána Lúide Dlíteanais Reatha			24,333		25,754
Maoinithe ag:					
Cuntas Caipitil	10				
Cuntas Ioncaim agus Caiteachais		22,552		23,290	
		1,781		2,464	
			24,333		25,754

Tá an Ráiteas ar Bheartais Chuntasaíochta agus Nótaí 1 – 22 ina gcuid de na ráitis airgeadais seo.



An tUasal John Killeen
Comhalta Boird
25 Márta 2014



An tUasal Francis Coyle
Comhalta Boird
25 Márta 2014

Ráiteas ar Shreabhadh Airgid

Don Bhliain Dar Chríoch 31 Nollaig 2012

Réiteach an bharrachais/(easnaimh) oibriúcháin go glansreabhadh airgid ó ghníomhaíochtaí oibriúcháin.

	Nóta	2012 €'000	2011 €'000
(Easnamh)/Barrachas i gCuntas Ioncaim agus Caiteachais		(683)	1,415
Ús a fuarthas		0	0
Aistriú chuig/(ó) Chuntas Caipitil	10	(738)	(2,640)
Dímheas	11	2,906	4,440
(Méadú)/Laghdú ar Fhéichiúnaithe agus Réamhíocaíochtaí	14	3,515	(1,830)
Méadú/(Laghdú) ar Chreidiúnaithe agus Fabhruithe	15	(2,217)	7
Glan-insreabhadh airgid ó ghníomhaíochtaí oibriúcháin		2,783	(1,392)

Ráiteas ar Shreabhadh Airgid

	Nóta	2012 €'000	2011 €'000
Glan-insreabhadh airgid ó ghníomhaíochtaí oibriúcháin		2,783	1,392
Torthaí ar infheistíochtaí agus fónamh a dhéanamh ar airgeadas			
Ús a fuarthas		0	0
Glanchaiteachas caipitil			
Gnóthú sócmhainní seasta	11	(2,168)	(1,800)
Méadú/(Laghdú) ar airgead		615	(408)

Réiteach glansreafa airgid go gluaiseacht i nglanchistí

	2012 €'000	2011 €'000
Méadú/(Laghdú) ar airgead	615	(408)
Glanchistí amhail an 1 Eanáir	596	1,004
Glanchistí amhail an 31 Nollaig	1,211	596

Nótaí leis na Ráitis Airgeadais

Don Bhliain dar Chríoch an 31 Nollaig 2012

1. Ginearálta

Bunaíodh Foras na Mara an 30 Deireadh Fómhair, 1992, de réir fhorálacha an Achta um Fhoras na Mara, 1991,

“chun taighde agus forbairt mhuirí a ghabháil de láimh, a chomhordú, a chur chun cinn agus cuidiú a thabhairt ina leith agus na seirbhísí sin a bhaineann le taighde agus forbairt mhuirí a chur ar fáil, i dtuairim an Fhorais, a chuirfidh forbairt eacnamaíoch chun cinn agus a chruthóidh fostaíocht agus a chosnóidh an timpeallacht mhuirí.”

Clúdaíonn na Ráitis Airgeadais an Bhliain dar Chríoch 31 Nollaig 2012

2. Deontas i gCabhair

	2012		2011	
	€'000	€'000	€'000	€'000
Críocha reatha				
Foras na Mara – Vóta 30, Fotheideal A.7	14,449		14,772	
Lúide ranníocaíochtaí Aoisliúntais in-aisíochtha*	(421)	14,028	(446)	14,326
Críocha caipitiúla				
Suirbhé Náisiúnta ar Ghrinneall na Farraige – Vóta 29, Fotheideal D.7	1,495		1,441	
Foras na Mara – Vóta 30, Fotheideal A.7	1,500		1,770	
Beaufort (Nóta 12) – Vóta 30, Fotheideal A.7	2,167		1,793	
Bonneagar Taighde agus Forbartha Bonneagar (RTDI) (Nóta 12) – Vóta 30, Fotheideal A.7	4,333	9,495	5,785	10,789
		23,523		25,115
* De réir chomhaontú na Roinne Talmhaíochta, Bia agus Mara, tá an tsuim seo in-aisíochtha maidir le ranníocaíochtaí pinsin na mball foirne.				

3. Ioncam Eile

	2012		2011	
	€'000	€'000	€'000	€'000
Taighde Conartha an AE				
An Creat um Bailiú Sonraí (feic an nóta thíos)	2,841		2,948	
Eile	1,258		1,234	
		4,099		4,182
Ioncam Eile				
Cairtfhostú Árthaigh Taighde	2,542		3,242	
Baoi Sonraí – an Roinn Iompair	370		583	
Creat-Treoir na Straitéise Mara (DECLG)	996		0	
Natura (DAFM agus DECLG)	571		899	
Creat-Treoir Uisce maoinithe ag an EPA	956		745	
Tionscadal Mara NDP cómhaoinithe ag an EPA	0		213	
Tionscadal Mara NDP cómhaoinithe ag Teagasc	288		0	
Ilnithe agus Ioncam ó Chonarthaí Eile	2,060	7,783	1,315	6,997
IOMLÁN				
		11,882		11,179

Is é atá sa Treoir Sonraí Treoir ar fud na hEorpa a chuireann creatlach phobail ar bun maidir le bailiú agus bainistíocht sonraí a mbíonn gá leo chun an Comhbheartas lascaireachta a chur i bhfeidhm.

Nótaí leis na Ráitis Airgeadais

Don bhliain dar chríoch an 31 Nollaig 2012

4. Seirbhísí Corparáideacha

	2012	2011
	€'000	€'000
Pá agus Tuarastail	1,209	1,186
Riarachán	3,014	2,684
Dímheas	265	413
IOMLÁN	4,488	4,283

Áirítear le costais riaracháin táille iniúchóireachta €19,270 in 2012 (2011: €19,270)

Mar thoradh ar atheagrú inmheánach le linn 2012 tuairiscítear ar chaiteachas a d'áirítí cheana faoi Sheirbhísí Pleanála Straitéisí agus Forbartha faoi Sheirbhísí Aigéaneolaíochta anois 2012 €2.285m (2011: €2.652m) Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia 2012 €0.049m (2011: €0.042m) agus Seirbhísí Corparáideacha 2012 €0.064m (2011: €0.065m).

5. Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia

	2012	2011
	€'000	€'000
Pá agus Tuarastail:		
Croífhoireann	2,736	2,622
Foireann Chonartha an AE	78	0
	2,814	2,622
Cláir Taighde agus Forbartha	4,595	3,492
Dímheas	256	235
IOMLÁN	7,665	6,349

Mar thoradh ar atheagrú inmheánach le linn 2012 tuairiscítear ar chaiteachas a d'áirítí cheana faoi Sheirbhísí Pleanála Straitéisí agus Forbartha faoi Sheirbhísí Aigéaneolaíochta anois 2012 €2.285m (2011: €2.652m) Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia 2012 €0.049m (2011: €0.042m) agus Seirbhísí Corparáideacha 2012 €0.064m (2011: €0.065m).

6. Seirbhísí Comhairleacha um Éiceachórais lascaigh

	2012	2011
	€'000	€'000
Pá agus Tuarastail:		
Croífhoireann	1,926	1,958
Foireann Chonartha an AE	1,378	1,379
	3,304	3,337
Cláir Taighde agus Forbartha	1,401	1,465
Dímheas	110	203
IOMLÁN	4,815	5,005

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Don Bhliain dar Chríoch an 31 Nollaig 2012

7. Seirbhísí Eolaíochta Aigéin

	2012	2011
	€'000	€'000
Pá agus Tuarastail	1,339	557
Cláir Riaracháin agus Cláir Forbartha	8,288	9,434
Dímheas	2,273	2,182
IOMLÁN	11,900	12,173

B'ionann na costais reatha iomlána a bhain le hÁrthaí Taighde atá folaithe faoi Sheirbhísí Aigéaneolaíochta agus €7.85m do 2012 (2011: €7.549m). Tá €2.5m den chaitechas seo folaithe faoi NDP Mara (an clár am loinge) do 2012 (2011: €2.5m). Áirítear sna costais reatha gach costas trealaimh chaipitil a tabhaíodh roimh choigeartú le haghaidh dímheasa.

Mar thoradh ar atheagrú inmheánach le linn 2012 tuairiscítear ar chaitechas a d'áiríft cheana faoi Sheirbhísí Pleanála Straitéisí agus Forbartha faoi Sheirbhísí Aigéaneolaíochta anois 2012 €2.285m (2011: €2.652m) Seirbhísí Muirthimpeallachta agus Sábháilteacht Bhia 2012 €0.049m (2011: €0.042m) agus Seirbhísí Corparáideacha 2012 €0.064m (2011: €0.065m).

8. Oifig Forbartha Muirí na hÉireann

	2012	2011
	€'000	€'000
Pá agus Tuarastail	326	299
Cláir Riaracháin agus Cláir Forbartha	569	506
Dímheas		2
IOMLÁN	895	807

9. Costais Tuarastail

		2012		2011	
		€'000		€'000	
Pá agus Tuarastail:	Croífhóireann	136	7,538	140	7,594
	Pinsinéirí agus Costais Phinsin	14	2,878	12	3,153
	Foireann Chonartha agus costais eile phárolla	47	3,104	50	3,333
		197	13,520	202	14,080

Rinneadh laghduithe pinsin €0.590m ó thuarastail agus tarchuireadh é chuig an Roinn Talmhaíochta, Bia agus Mara.

10. Cuntas Caipitil

	2012		2011	
	€'000	€'000	€'000	€'000
Iarmhéid amhail an 1 Eanáir		23,290		25,930
Aistriú (chuig)/ó Chuntas Ioncaim agus Caiteachais, Maoiniú Caipitil Amúchadh de réir dímheas sócmhainní	2,168 (2,906)	(738)	1,800 (4,440)	(2,640)
Iarmhéid amhail an 31 Nollaig		25,552		23,290

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Don bhliain dar chríoch an 31 Nollaig 2012

11. Sócmhainní Seasta

Déantar na Sócmhainní Seasta faoi mar a chuirtear in iúl sna ráitis airgeadais iad mar seo a leanas:

	Talamh agus Foirgnimh €'000	Taighde Taighde €'000	Trealamh Árthaí €'000	Daingneáin agus Feistis €'000	Ríomhairí €'000	Mótar– Fheithiclí €'000	IOMLÁN €'000
Costas nó Luacháil							
Iarmhéid amhail an 1 Eanáir 2012	3,672	31,284	3,904	19,789	7,813	358	66,820
Suimiúcháin ar chostas	71	1,107	223	541	226	0	2,168
Costas amhail an 31 Nollaig 2012	3,743	32,391	4,127	20,330	8,039	358	68,988

Dímheas

Iarmhéid amhail an 1 Eanáir 2012	851	13,482	3,300	18,088	7,550	259	43,530
Táille don bhliain	75	1,204	356	960	270	41	2,906
Iarmhéid amhail an 31 Nollaig 2012	926	14,686	3,656	19,048	7,820	300	46,436

Glanluach de réir na Leabhar

Amhail an 31 Nollaig 2012	2,817	17,705	471	1,282	219	58	22,552
Amhail an 31 Nollaig 2011	2,821	17,802	604	1,701	263	99	23,290

Tá ceanncheathrú Foras na Mara lonnaithe i Rinn Mhaoile, Órán Mór, Co. na Gaillimhe. Is faoi úinéireacht an OPW atá an foirgneamh. Ní foctar aon chíos leis an OPW in aghaidh na n-áitreabh seo.

Nótaí leis na Ráitis Airgeadais

Don Bhliain dar Chríoch an 31 Nollaig 2012

12. NDP Mara (2000–2006), Beaufort agus NDP Mara (2007–2013)

B'ionann an maoiniú iomlán agus na suimeanna a cuireadh i bhfeidhm in 2012 agus é seo a leanas:

	2012 €‚000 NDP 2007–2013	2011 €‚000 Iomlán
Ioncam ón Oireachtas (Nóta 2)	6,500	7,578
Ioncam Eile (Nóta 3)	288	213
Ioncam Iomlán	6,788	7,791
Caiteachas:		
Suimeanna a íocadh le tríú páirtithe	5,546	6,514
Suimeanna a íocadh le Foras na Mara	919	967
Riarachán	307	352
Caiteachas Iomlán Cláir	6,772	7,833
Barrachas/(Easnamh) sa bhliain	16	(42)

NDP Mara (2000–2006), Beaufort agus NDP Mara (2007–2013)

	2012 €'000	2011 €'000
Caiteachas Chláir RTDI Mara	6,772	7,833
Sócmhainní a ceannaíodh faoi Chiste ERDF	0	0
Dímheas ar shócmhainní ERDF	0	1,100
IOMLÁN	6,772	8,933

Faoi Fho-bheart Bonneagar Saotharlainne de Bheart RTDI Mara, cheannaigh Foras na Mara sócmhainní ar €5.912 milliún (2007: €0.821 milliún agus 2008: €5.091 milliún). Rinneadh dímheas iomlán ar na socmhainní sin amhail an 31/12/2011 ach baintear úsáid acu fós.

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Don bhliain dar chríoch an 31 Nollaig 2012

Nóta 12 Ar Lean

NDP 2000–2006

Is iad príomhchuspóirí Bheart RTDI Mara (NDP 2000–2006) feidhmíocht na hearnála mara in Éirinn a fheabhsú agus a choinneáil trí thacú le taighde agus forbairt agus le gníomhaíochtaí aistrithe teicneolaíochta agus cumas agus bonneagar RTDI a sholáthar le cinntiú go mbeidh Éire in ann an cumas acmhainne mara a bhaint amach ar bhealach inbhuanaithe. Clúdaíonn caiteachas Scoláireachtaí PhD, Scoláireachtaí Iardhochtúireachta, Comhaltacht Michael Manahan, Staidéar ar Fhoinsí Reatha, Tionscadail Fheidhmeacha/Tionscail, tionscadail Líonraithe agus Aistrithe Teicneolaíochta agus tionscadail Straitéiseacha.

Chabhraigh infheistíocht iomlán i dtionscadail RTDI faoin bPlean Forbartha Náisiúnta (NDP) sa tréimhse 2000–2006 le 226 tionscadal a raibh infheistíocht arbh fhiú €16.289 milliún i gceist leo.

NDP Mara 2007–2013

Faoi Fhochlár Taighde Mara an NDP, 2007–2013, dírtear infheistíocht i dtaighde mara sa tréimhse 2007–2013 ar chuspóirí, gníomhaíochtaí taighde agus torthaí Chasadh na Taoide, an straitéis náisiúnta eolais, taighde agus nuálaíochta mara a bhaint amach. Dírtear an maoiniú ar Bhearta agus ar Chláir Taighde na straitéise trí roinnt modhanna, lena n-áirítear glaonna iomaíochta le haghaidh tograí taighde (dámhachtainí bunaithe ar thionscadail, staidéar ar fhoinsí reatha, PhDanna, Iardhochtúireachtaí, etc.) agus tairiscint le haghaidh soláthar bonneagair/seirbhísí. Tacáodh le 105 tionscadal ar an iomlán suas go dtí deireadh 2012 faoi Fhochlár Taighde Mara an NDP. Tá 62 tionscadal díobh seo fós ar bun.

B'ionann an caiteachas iomlán faoin bhFochlár Taighde Mara go dtí 31 Nollaig 2012 agus €50.0m. B'ionann na gealltanais amhail an 31 Nollaig 2012 agus €14.2m.

Bíonn dámhachtain Tionscadail Taighde faoi réir conartha a chuireann in iúl go ndéanfar íocaíocht tosaigh tar éis an conradh a shíniú; d'fhéadfaí íocaíocht eatraimh a dhéanamh faoi réir feidhmíochta sásúla agus déanfar an íocaíocht dheireanach tar éis éilimh a fháil agus a fhíorú. Gearrtar caiteachas sna ráitis airgeadais de réir Bheartas Cuntasalíochta 8.

Amhail an 31 Nollaig 2012, bhí íocaíochtaí gan íoc fós ar shuimeanna a gearradh ar na ráitis airgeadais mar seo a leanas (nóta 17).

	2012 €'000	2011 €'000
Suimeanna gan íoc	0	190

Amhail an 31 Nollaig 2012, b'ionann na gealltanais a rinneadh ach nár gearradh ar na ráitis airgeadais go fóill maidir le tionscadail RTDI agus €14.2m; is é seo a leanas an miondealú lena mbaineann.

	NDP agus SSTI 2007–2013 €'000	NDP 2000–2006 €'000	Iomlán €'000
Gealltanais amhail an 01 Eanáir 2012	17,307	0	17,307
Geallta in 2012	3,698		3,698
Dídhísliithe in 2012	0	0	0
Íochta in 2012	(6,772)	0	(6,772)
Gealltanais amhail an 31 Nollag 2012	14,233	0	14,233

Nótaí leis na Ráitis Airgeadais

Don Bhliain dar Chríoch an 31 Nollaig 2012

13. Caiteachas

	2012 €'000	2011 €'000
Costais Phárolla	10,496	10,710
Costais Phinsin	2,878	3,153
Costais Bhoird	39	76
Táille Bliantúil Iniúchóireachta	19	19
Árachas	240	256
Cíos, Rátaí agus Muirir Sheirbhíse	368	357
Costais Saoráide	1,766	1,555
Cumarsáid Teileafóin agus Sonraí	211	188
Costais TF	627	757
Costais Saotharlainne agus Oibre Allamuigh	878	833
Costais Riaracháin Eile	1,687	1,477
Costais Taistil	917	892
Tástáil Reachtúil, Taighde agus Suirbhéanna	4,195	2,728
NDP Mara (2007–2013)	4,272	5,333
Clár Am Loinge an NDP	2,500	2,500
Costais Oibríochta Árthaigh	5,394	5,058
Trealamh Éagsúil Eile agus Athoiriúnuithe	131	154
Fruiliú Trealaimh	159	217
Dímheas (Nóta 11)	2,906	4,440
Caiteachas Iomlán i gCuntas Ioncaim agus Caiteachais	39,683	40,703

Maidir leis na figiúirí sa nóta ní áirítear caiteachas caipitil de €2.1m.

B'ionann costais i ndáil le taisteal coigríche a áiríodh faoi speansais taistil agus €320,419 i 2012.

14. Féichiúnaithe agus Réamhíocaíochtaí

	2012 €'000	2011 €'000
Féichiúnaithe Trádála	140	3,913
Ioncam Conarthaí	2,604	2,526
Réamhíocaíochtaí	301	121
	3,045	6,560

Baineann an tsuim €3.1 milliún ar áiríodh í faoi Fhéichiúnaithe Trádála le hin-aisghabhálacht íocaíochtaí CBL. Fuarthas an tsuim iomlán sin i 2012.

15. Creidiúnaithe agus Fabhruithe

	2012 €'000	2011 €'000
Creidiúnaithe Trádála	981	2,092
Ioncam Iarchurtha	837	1,514
Fabhrú RTDI (Nóta 14)	0	190
Fabhruithe	565	325
Párolla and Fabhruithe Ioncaim	92	571
	2,475	4,692

16. Aisíoc leis an Státchiste

Fuair an Foras aisíoc CBL de €2.8m i Nollaig 2012. Bhí aisíoc de €2.53 milliún measta aige. Íocadh an méid de bhreis ar an tsuim sin (€270,000) leis an Roinn Talmhaíochta, Bia agus Mara.

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Don bhliain dar chríoch an 31 Nollaig 2012

17. An Scéim Aoisliúntais agus an Scéim Phinsin Ranníocaigh do Chéilí agus Leanaí

Is gníomhaireacht reachtúil Stáit é Foras na Mara, a bunaíodh faoi alt 3(1) den Acht um Fhoras na Mara, 1991 (Uimh. 2 de 1991). Foráiltear le halt 9(1) den Acht go ndéanfaidh an Foras scéimeanna chun sochair aoisliúntais a dheonú do bhaill foirne agus i ndáil le baill foirne, faoi réir cheadú an Aire. Tá dhá scéim fhormheasta, is iad sin an Scéim Aoisliúntais d'Fhoireann Fhoras na Mara 1998 agus Scéim Phinsin Ranníocaigh do Chéilí agus Leanaí Fhoras na Mara 1998, i bhfeidhm ag an bhForas i láthair na huaire. Cuirtear sochair scoir (cnapshuim agus pinsean) ar fáil sa chéad scéim thuas do bhaill foirne, agus sochair aisce bháis maidir le bás le linn seirbhíse. Faoin dara scéim thuas, cuirtear sochair phinsin ar fáil do chéilí a mhaireann agus do leanaí cleithiúnacha na ndaoine a fuair bás. Sroichte an ghnáthaois phinsin ar an dáta a bheidh 65 bliain d'aois slánaithe ag an mball. Sainmhínítear an dá scéim mar scéimeanna aoisliúntais le sochar sainithe. Íoctar ranníocaíochtaí aoisliúntais na mball foirne leis an Roinn Talmhaíochta, Bia agus Mara.

Fearacht scéimeanna aoisliúntais na seirbhíse poiblí i gcoitinne, ní chothaítear ciste faoi leith ná ní choimeádtar sócmhainní chun íocaíocht pinsean agus aiscí a mhaoiniú.

Chun tuairisc a dhéanamh de réir an Chaighdeáin um Thuairisciú Airgeadais 17 (athbhreithnithe) – Sochair Scoir, fuair an Foras comhairle ó achtúire cáilithe. D'ullmhaigh an t-achtúire luacháil chun na dliteanais a bhaineann leis na scéimeanna aoisliúntais a mheas amhail an 31 Nollaig 2012.

Is iad seo a leanas na mórthoimhdí achtúireacha:	2012	2011	2010
Méadú ar an ráta boilscithe (a) bliana	2% in aghaidh na bliana	2% in aghaidh na bliana	2% in aghaidh na bliana
Méadú ar ráta tuarastail bliana	4% in aghaidh na bliana	4% in aghaidh na bliana	4% in aghaidh na bliana
Méadú ar an ráta pinsin bliana	4% in aghaidh na bliana	4% in aghaidh na bliana	4% in aghaidh na bliana
Ráta lascaine na ndliteanas scéime bliana	5.5% in aghaidh na bliana	5.5% in aghaidh na bliana	5.5% in aghaidh na bliana

Is mar seo a leanas a mheastar meánionchas saoil don todhchaí **a bheidh fanta** de réir na dtáblaí básmhaireachta arna n-úsáid chun dliteanais phinsin a shocrú:

	2012	2011
Fear ag 65 Bliain d'Aois	22	22
Bean ag 65 Bliain d'Aois	25	25

Ag glacadh leo seo agus le toimhdí eile agus ag cur mhodh chreidiúint réamh-mheasta an aonaid a leagtar amach in FRS 17 (Athbhreithnithe) i bhfeidhm, tá an tsócmhainn mhaoinithe iarchurtha um pinsean agus an dliteanas pinsin mar seo a leanas:

	2012	2011
Dliteanas pinsin fabhraithe iomlán	€27.5m	€26.0m

(a) Ós rud é go bhfuil méaduithe pinsin faoi scéimeanna Fhoras na Mara bunaithe ar mhéaduithe tuarastail seachas ar mhéaduithe praghais, níl gá le toimhde bhoilscithe praghsanna chun an luacháil seo a dhéanamh. Mar sin féin, ós rud é go mbíonn tagairt do ráta toimhde boilscithe riachtanach faoi FRS 17, bheadh an ráta thuas oiriúnach ar mhaithe leis seo.

	2012 €'000	2011 €'000
Anailís ar Chostais Iomlána Pinsin gearrtha ar Chaiteachas		
Costas Seirbhíse Reatha	1,900	2,200
Ús ar dhliteanais scéimeanna pinsin	1,400	1,400
Ranníocaíochtaí Fostaithe	(442)	(447)
	2,878	3,153

Anailís ar an tsuim aitheanta i ráiteas ar ghnóthachain agus

caillteanais aitheanta iomlána (STRG)	€'000	€'000
Gnóthachain agus (caillteanais) ó thaithí	1,360	3,080
Athruithe i dtoimhdí mar bhunús le luach reatha na scéime	0	0
Gnóthachan agus (caillteanas) achtúireach aitheanta in STGRL	1,360	3,080

Nótaí leis na Ráitis Airgeadais

Don Bhliain dar Chríoch an 31 Nollaig 2012

Nóta 17 Ar Lean		
Glanmhaoiniú iarchurtha le hAghaidh Pinsean Aitheanta sa bhliain	2012 €'000	2011 €'000
Costas Seirbhíse agus Úis Reatha	3,300	3,600
Lúide sochair a foadh sa bhliain	(443)	(416)
	2,857	3,184

Aithníonn Foras na Mara gurb ionann méideanna atá dlite ón Stát agus sócmhainn a chomhfhreagraíonn don dliteanas neamhchistithe iarchurtha um pinsin ar fhoras na dtoimhdí a míníodh thuas agus roinnt imeachtaí san am a chuaigh thart. Ar na himeachtaí seo, tá an bonn reachtúil le bunú na scéime aoisliúntais agus an bheartais agus an chleachtais atá i bhfeidhm maidir le maoiniú pinsean na seirbhíse poiblí, lena n-áirítear ranníocaíochtaí fostaithe agus an próiseas bliantúil meastacháin. Níl aon fhianaise ag Foras na Mara nach bhfreastalóidh an beartas maoinithe seo mar is gnách ar na suimeanna sin de réir an chleachtais reatha. B'ionann an tsócmhainn mhaoinithe iarchurtha le haghaidh pinsean amhail an 31 Nollaig 2012 agus €27.5 milliún (2011: €26.0 milliún). Tá cainníochtú an dliteanais bunaithe ar na toimhdí Airgeadais a leagtar amach sa Nóta seo. Cuirtear na toimhdí a úsáidtear, atá bunaithe ar chomhairle ghairmiúil achtúire, in iúl don Roinn Talmhaíochta, Bia agus Mara, ach ní chomhaontaítear iad go foirmiúil leis an Roinn.

Anailís ar ghluaiseacht i nglandlíteanas pinsin le linn na bliana	2012 €'000	2011 €'000	2010 €'000	2009 €'000	2008 €'000
Easnamh ag tús na bliana	26,004	25,900	24,700	19,300	18,300
Costas Seirbhíse Reatha	1,900	2,200	2,100	1,900	1,900
Ús ar Dhliteanais Scéimeanna	1,400	1,400	1,400	1,100	1,000
(Gnóthachan)/Caillteanas achtúireach a aithnítear sa STRGL	(1,360)	(3,080)	(2,075)	2,625	(1,679)
Sochair a foadh sa bhliain	(443)	(416)	(225)	(225)	(221)
Easnamh ag deireadh na bliana	27,501	26,004	25,900	24,700	19,300

Stair Oibleagáidí le Sochar Sainithe	2012 €'000	2011 €'000	2010 €'000	2009 €'000	2008 €'000
Oibleagáidí le sochar sainithe	27,501	26,004	25,900	24,700	19,300
Gnóthachain/(Caillteanais) ó thaithí ar Dhliteanais Scéimeanna	1,360	3,080	2,075	(2,625)	1,679
Céatadán de Dhliteanais Scéimeanna	4.96%	11.8%	8.0%	(10.6%)	8.7%
Toimhdí (Gnóthachain)/Caillteanais ar Dhliteanais Scéimeanna	0	0	0	0	0
Céatadán de Dhliteanais Scéimeanna	0%	0%	0%	0%	0%

Is é €4,097,000 an gnóthachan achtúireach carnach atá aitheanta sa ráiteas ar ghnóthachain agus caillteanais aitheanta iomlána.

18. Gealltanais léasa

Léasanna oibriúcháin
Áitíonn Foras na Mara áitribh faoi léas sna láithreacha a leanas:

Léas 1: 80 Sráid Fhearchair, Baile Átha Cliath 2 – cuireadh tús leis i 1993 ar feadh tréimhse 22 bliain. Déantar athbhreithniú cíosa air gach cúig bliana. Déantar an cíos a athbhreithniú gach cúig bliana, agus ní bheidh briseadh léasa ann go dtí deireadh an léasa in 2015.

Léas 2: Páirc Oifigí na Páirce Móire, Gaillimh – cuireadh tús leis i 1999 ar feadh tréimhse 25 bliain. Déantar athbhreithniú cíosa air gach cúig bliana.

Léas 3: Trádstóras, Calafort na Gaillimhe – cuireadh tús leis in 2000 ar feadh tréimhse 25 bliain. Déantar athbhreithniú cíosa air gach cúig bliana.

Nótaí leis na Ráitis Airgeadais

Don bhliain dar chríoch an 31 Nollaig 2012

Nóta 18 Ar Lean		
Is ionann an muirear cíosa bliantúla reatha as na léasanna seo agus €327,720 (2011: €328,589)		
	2012	2011
Ag dul in éag laistigh de 1 bhliain	0	0
Ag dul in éag idir bliain 2 agus bliain 5	235,735	235,735
Ag dul in éag ina dhiaidh sin	91,985	92,854

19. Infheistíocht
Tá scair 1.3% atá go hiomlán caolaithe ag Foras na Mara i gcuideachta ar a dtugtar Wavebob Ltd. Bunaíodh an chuideachta seo chun coincheap a fhorbairt le Tonnfhuinneamh a sheachadadh. Is é €127,000 costas iomlán na hinfheistíochta. Ós rud é nach féidir luach na hinfheistíochta seo a mheas go cruinn, níl na scaireanna mar chuid den chaipiteal sa Chlár Comhardaithe.

20. Clár leasanna
Tá nósanna imeachta curtha i bhfeidhm ag an bhForas de réir na dtreoirlínte a d'eisigh an Roinn Caiteachais Phoiblí agus Athchóirithe faoi nochtadh leasa ag comhaltaí an Bhoird agus tá an Foras tar éis cloí leis na nósanna imeachta sin. Ní raibh aon idirbheart i rith na bliana ó thaobh ghníomhaíochtaí an Fhorais de ina raibh leas tairbhiúil ag comhaltaí an bhoird.

21. Táillí Boird, Freastal ar an mBord agus Tuarastal an Phríomhfheidhmeannaigh
Chloígh an Foras leis an gCód nua Cleachtais um Rialú Comhlachtaí Stáit a d'fhoilsigh an tAire Airgeadais an 15 Meitheamh 2009. Ba é €146,220 Buntuarastal Bliantúil Phríomhfheidhmeannach Fhoras na Mara sa bhliain 2012. Níor íocadh faic leis an bPríomhfheidhmeannach faoi scéim phá i gcoibhneas le feidhmíocht ná níor íocadh sochair ar bith eile mar chuid de phacáiste luach saothair. Níl an Príomhfheidhmeannach i dteideal aon rud lasmuigh de shamhail scéim na hearnála poiblí ó thaobh pinsin de.

Rinneadh na híocaíochtaí seo a leanas le comhaltaí Bhord Fhoras na Mara in 2012.

Comhalta Boird	Catagóir 3	Olltáillí 2012	Costais 2012	lomlán 2012
Jim Fennell	Cathaoirleach	0	1,762	1,762
Richard Flynn	Stiúrthóir	2,287	1,261	3,548
Michael Walsh	Stiúrthóir	2,287	0	2,287
Bernie Hannigan	Stiúrthóir	0	2,958	2,958
Eleanor O'Higgins	Stiúrthóir	0	315	315
Emer Rogan	Stiúrthóir	0	1,037	1,037
Lorcan Ó Cinnéide	Stiúrthóir	7,695	5,535	13,230
Francis Coyle	Stiúrthóir	7,695	2,164	9,859
Paul Hyde	Stiúrthóir	4,489	0	4,489
		24,453	15,032	39,485

Comhalta Boird	Catagóir 3	Cruinnithe Boird 2012	Cruinnithe Boird ar ar Freastalaíodh in 2012	Tús/Deireadh Téarma
Jim Fennell	Cathaoirleach	9	9	Deireadh Téarma Samhain 2013
Richard Flynn	Stiúrthóir	9	2	Deireadh Téarma Aibreán 2012
Michael Walsh	Stiúrthóir	9	2	Deireadh Téarma Aibreán 2012
Bernie Hannigan	Stiúrthóir	9	1	Deireadh Téarma Aibreán 2012
Eleanor O'Higgins	Stiúrthóir	9	3	Deireadh Téarma Aibreán 2012
Emer Rogan	Stiúrthóir	9	4	Deireadh Téarma Aibreán 2012
Lorcan Ó Cinnéide	Stiúrthóir	9	9	
Francis Coyle	Stiúrthóir	9	9	
Paul Hyde	Stiúrthóir	9	5	Tús téarma oifige i Meitheamh 2012

22. Ceadú an Bhoird
Cheadaigh an Bord na ráitis airgeadais an 25 Márta 2014.

Nótaí

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Foras na Mara: Tuarascáil Bhliantúil 2012

Is féidir leagan Gaeilge de thuarascáil
bhliantúil Fhoras na Mara a íoslódáil ó
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www.vermilliondesign.com

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@marineInst

Ceanncheathrú agus Saotharlanna

Foras na Mara
Rinn Mhíl
Órán Mór
Contae na Gaillimhe
Teil: +353 91 387 200
Facs: +353 91 387 201
R-phost: institute.mail@marine.ie

Oifigí agus Saotharlanna Réigiúnacha de chuid Fhoras na Mara

Foras na Mara
80 Sráid Fhearchair
Baile Átha Cliath 2
Teil: +353 1 476 6500
Facs: +353 1 478 4988

Foras na Mara
An Fhoirnéis
Baile Uí Fhiacháin
Contae na Mhaigh Eo
Teil: +353 98 42300
Facs: +353 98 42340