

Access to Research Vessel Infrastructure & Training

SMARTskills Postgraduate Workshop Oranmore, 24th October 2013

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Research Vessel Operations

www.marine.ie





RVOps... What do we do?

Research Vessel Operations (RVOps) is responsible for the management, development and promotion of the state's research vessels, specifically the R.V. *Celtic Voyager*, the R.V. *Celtic Explorer* and the *Holland I* Deepwater ROV.

- We plan and schedule the vessels annual work programs.
- Secure external opportunities for the vessels at home and abroad.
- Supervise and oversee the contract held by P&O Maritime Services Ltd who are the contractor responsible for manning and management of the vessels and the ROV.
- Manage the diplomatic clearance process for the vessels as well as inputting to the permitting process for foreign vessels in Irish waters.
- Run the Foreign Vessel Observer Scheme.



Marine Institute Research Vessels

- 2 vessel fleet owned by the Marine Institute.
- 65 m R.V. *Celtic Explorer* (2003), 31 m R.V. *Celtic Voyager* (1997).
- 3000 m work class ROV "*Holland 1*" (2008).
- Vessel and ROV are operated by P&O Maritime Services Ltd.
- Both vessels are operated on a year round basis with 2 crews per vessel.
- Management team, engineering workshop in Parkmore.
- Warehouse and logistics personnel located at Docks warehouse, Galway Harbour Enterprise Park.



RV Ops Team

Director of Ocean Science & Information Services (OSIS): **Michael Gillooly**

Research Vessel Program Co-ordinator: **Aodhán Fitzgerald**

RV Ops Administrator: **Bernadette Ní Chonghaile**

RV Ops Stagiaire: **Paul Rush**

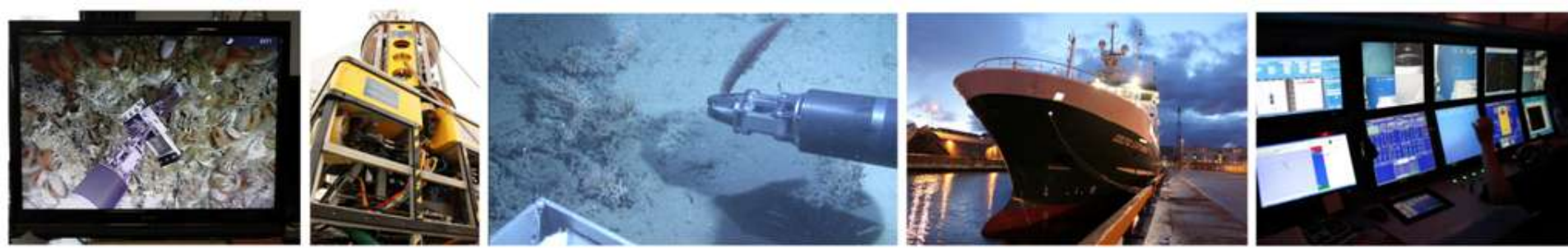


Opportunities for Post Graduate Researchers

Ship Time - The Marine Institute announce a call for ship-time applications each summer for ship-time on the R.V. *Celtic Explorer* and the R.V. *Celtic Voyager* (as well as *Holland 1* ROV).

- A broad range of organisations are invited to apply for ship-time for research, development or monitoring purposes. These include government departments and agencies, *universities*, *research institutes* and industry.
- Ship time call normally circulated in July with a closing date in September.
- Applications for shiptime can be submitted to 2 years after year of call.
- Applications can be submitted during the year if vessel schedule is not full.
- Applications are via the RVOps Survey Planning System (SPS).
- Contact RVOps for a username and password to allow access to the system.
- Further information on our webpages and in vessel charter guidelines 2014-2015.





Shiptime Call - Funding....

Funding for shiptime is available under the Sea Change Infrastructure Supporting Programme

- The 2014 Research call had two elements – a thematic area and a targeted area. Submissions accepted from research performing organisations (Higher Education Institutions, Public Research Bodies and Industry) within the island of Ireland to carry out ship-based research activity within the following thematic areas:
 - Ecosystems Approach to Marine Resource Management
 - Seabed Processes & Resources
 - Climate/Environmental Change
 - Renewable Ocean Energy
 - Biodiscovery/Biodiversity
 - Novel Marine Technologies
 - Marine Policy/Legislation
- Targeted call in 2014 was for submissions which would utilise the vessel during a planned transatlantic crossing.
- Funding call is for following year only.



Shiptime Call - Funding....

Dedicated Training Programs

- Final element of the funding call is for dedicated training programs - provides Higher Education Institutions within the island of Ireland, the opportunity to hold dedicated undergraduate and/or postgraduate training programmes onboard the vessels.
- Applicants encouraged to utilise the Strategic Marine Alliance for Research and Training (SMART), Galway-Mayo Institute of Technology who are responsible for co-ordinating national training for third-level student in marine-related science and technologies.
- Applications are via the Marine Institute Funding office RIMS system . Further information on the Marine Institute website (funding pages) and in the grant aid guidelines for Research and Training.



Upcoming Funding Opportunities

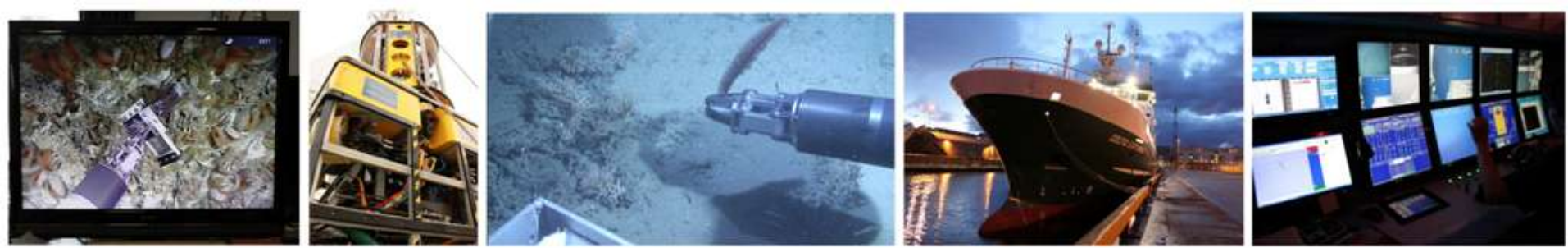
2014 Shiptime Funding call

- As normal the shiptime funding call opened in June/July 2013 with a closing date in late September 2013. This was an opportunity to apply for *Explorer*, *Voyager* (and *Holland 1*) shiptime.
- Good vessel availability in 2014 - vessel will once again take part in a transatlantic passage in 2014 and opportunity exists to capitalise on this passage.



Observer Program

- Under the [United Nations Convention on Laws of the Sea \(UNCLOS\)](#) the Marine Institute has the authority to place Irish Observers on foreign research vessels in Irish waters. Such observers have official designation under UNCLOS and act as the representative of the State.
- In an effort to encourage Irish researchers to avail of this opportunity to observe and participate in high-level marine research, the Marine Institute manage the Foreign Vessel Observer Scheme.
- The scheme provides financial support and practical assistance to those wishing to participate in foreign research cruises in Irish waters.



Observer Program Role of the Observer

The role of the observer is to:

- Report on research activities carried out by the research vessel and to document this through the submission of a cruise summary.
- Ensure that the type of research work and the area under investigation conforms with the official notification documents submitted by that country to the Irish Government.
- Act as an official channel in the case of communications between the vessel and the Irish Government, should the need arise.
- Take an active part in research work through prior liaison with the Chief Scientist and to take the opportunity to learn as much as possible about scientific work.



Observer Program Benefits

The benefits of partaking in the observer scheme are as follows:

- The seagoing experience will be beneficial for the prospective marine scientist.
- The participation of Irish scientists on foreign research programmes can lead to co-operative projects.
- Where appropriate, all travel and subsistence expenses and a seagoing daily allowance will be paid.



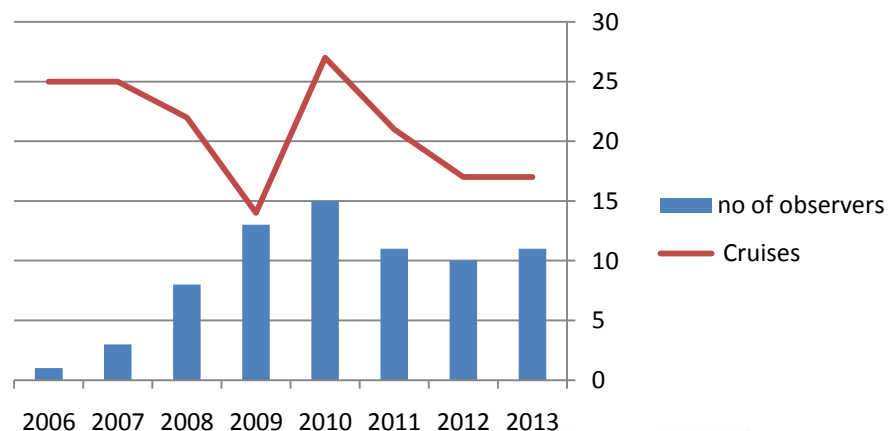
Observer Requirements

- Some prior seagoing research experience is essential.
- All observers must present valid up to date ENG 11 medical and sea survival certificates.
- Observers should have a background and active involvement in marine research.
- An observers report is required at the end of the trip.



Observer Scheme

- The full list of surveys that observers can be placed on is on the Observer scheme page on the Marine Institute website.
- Forward your CV and indicate which surveys you are interested in partaking.
- Berths allocated on a first come first served basis, normally 1 trip per observer per year.





Other opportunities

Training through Research Scheme (TTRS), Spare berths on the Celtic Explorer during or internal and funded research surveys offered via SMART. In 2013 two transatlantic trips were offered as well as a wide range of fisheries and research surveys

We also have ad-hoc opportunities when the vessels are on passage to /from European ports .





Other Funding Opportunities

2013-2017 Eurofleets 2 Opportunities.

EU FP7 funded Eurofleets program has the following opportunities available:

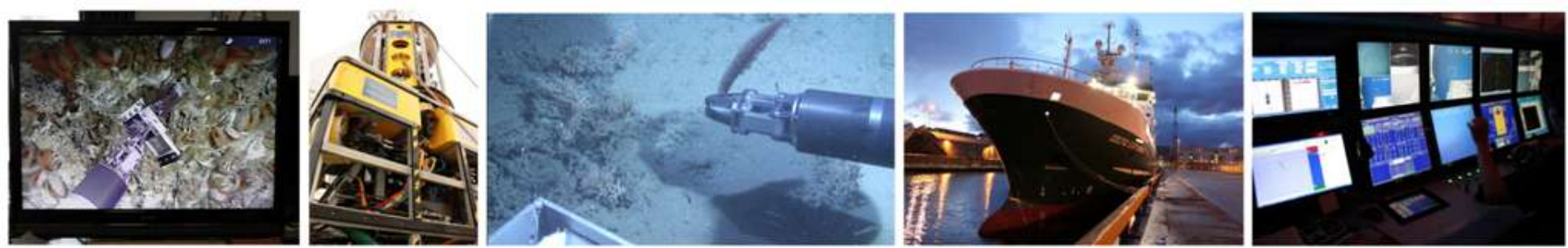
- **Polar & Subpolar Call 2013, closing date 24th May 2013.**
 - Provides access to 6 polar and subpolar vessels in Arctic and Antarctic; totalling 51 days.
- **Super-integration Call 2013: Expressions of interest invited, closing date 15th May.** Full applications 14th June -16th September.
 - This call welcomes applications for multiyear or multiplatform surveys utilising any of the Eurofleets 2 “Fleet”.
- **Embarked Equipment Call: Closing date 16th September.**
 - This call represents a wide variety of equipment, including the “MARUM-MEBO” drill rig + 2 ROVs available over the 4 years of the project.



Eurofleets

Towards an Alliance
of European Research Fleets





Further Eurofleets Calls

2013-2017 Eurofleets 2 opportunities.

- **Regional Calls: Opening March 2014.**
 - This call will make 200 days shiptime available on 8 global and 14 regional vessels in the period 2014-2017.
- Full details of the calls and the ships and equipment under offer available on www.eurofleets.eu



Eurofleets

Towards an Alliance
of European Research Fleets



ECQ2@Northsea



 Celtic Explorer


SALTFLU



 OGS-Explora

FAIVI



 L'Atalante

Atlantic CDOM



 Polarstern

Tore, Gateway
(2013)



 Marion Dufresne

“Ocean” Call Results



Eurofleets

“Regional 1+2” Results

amsedis



 Celtic Voyager

CIPIC



 Salme

DIAPICNIA



 Dom Carlos I

CWC-Moira



 Belgica

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
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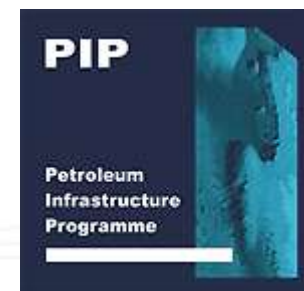
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Petroleum Infrastructure Program: Open Call for research proposals in the natural sciences, engineering and environmental sectors

Project Proposals are sought under the following themes:

- Regional geological and geophysical data gathering and studies aimed at improving knowledge of petroleum systems and exploration potential;
 - Special engineering studies to improve Exploration & Production cost effectiveness and recommendations on better procedures and practices;
 - Environmental studies.
- Closing Date 23rd August; announcement of award expected early September 2013
 - Scope to propose shiptime funding application in application to PIP - *“Welcome any projects that involve data acquisition using Marine Institute vessels”*



Further info on www.PIP.ie

Thank You

www.marine.ie

