

**APPLICATION FOR THE CONSENT TO CONDUCT MARINE SCIENTIFIC  
RESEARCH IN AREAS UNDER NATIONAL JURISDICTION OF THE UNITED  
KINGDOM**

Date: 20.12.10

**1. General information**

**1.1 Cruise name and/or number:**

**1.2 Sponsoring institution:**

**Name:** Marine Institute

**Address:** Rinville  
Oranmore  
Co. Galway  
Ireland

**Name of Chief Executive:** Dr. Peter Heffernan

**1.3 Scientist in charge of the project:**

**Name:** Ciaran O'Donnell

**Address:** As above

**Telephone:** +353 879681954

**Telefax:** +353 91 387201

**1.4 Scientist(s) from UNITED KINGDOM involved in the planning of the project**

**Name(s):** Na

**Address:**

**1.5 Submitting officer:**

**Name and address:**

Rinville  
Oranmore  
Co. Galway

**Country:** Ireland

**Telephone:** 00 353 91 387200

**Telefax:** 00 353 91 387201

**2. Description of project (Attach additional pages as necessary)**

**2.1 Nature of objectives of the project:**

Determine the relative abundance and age structure of blue whiting spawning aggregations to the West of Ireland and Scotland and on the Rockall Bank as part of the Internationally coordinated spawning stock survey.

## **2.2 Relevant previous or future research cruises:**

This International survey program was initiated in 2004 and has run annually since then. Data collected is used during the assessment of this stock for fishery applications within ICES.

## **2.3 Previously published research data relating to the project:**

<http://www.ices.dk/workinggroups/ViewWorkingGroup.aspx?ID=80>  
<http://www.ices.dk/workinggroups/ViewWorkingGroup.aspx?ID=434>

# **3. Methods and means to be used**

## **3.1 Particulars of vessel**

**Name:** Celtic Explorer  
**Nationality:** Irish

**Owner:** Marine Institute

**Overall length:** 65.5m  
**Maximum draught:** 5.7m  
**Net tonnage:** 727  
**Propulsion:** 2 x 1530 KW, 1000Rpm, 1 x 1020 KW, 1000 Rpm  
**Cruising speed:** 10 Kts  
**Call sign:** EI GB  
**Method and capability of communication –**  
**Vsat Satellite Broadband**  
**Imarsat –c**  
**HF**  
**VHF**  
**Mini –M**

**Name of master:** Antony Hobin/Denis Rowan

**Number of crew:**

**Number of scientists on board:** 8

## **3.2 Aircraft or other craft to be used in the project:**

No

## **3.3 Particulars of methods and scientific instruments**

<b>Types of samples and data</b>	<b>Methods to be used</b>	<b>Instruments to be used</b>
Acoustic data	ER60 Scientific Echosounder	ER60 Scientific

		Echosounder
Biological	Trawling	Pelagic mid-water trawl
Temperature & Salinity	Vertical cast of sensor	CTD

### 3.4 Indicate whether harmful substances will be used:

No

### 3.5 Indicate whether drilling will be carried out:

No

### 3.6 Indicate whether explosives will be used

No

## 4. Installations and equipment

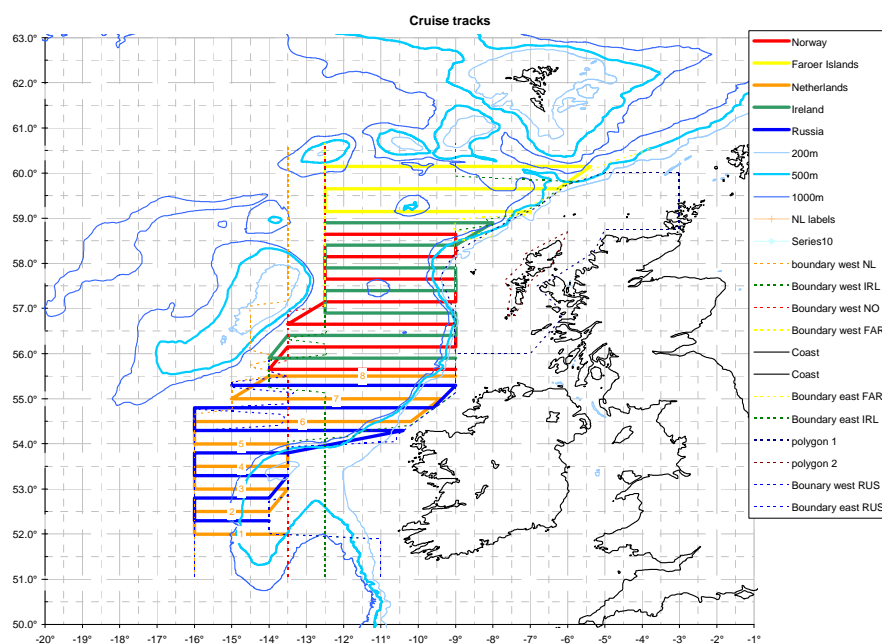
Details of installations and equipment (dates of laying, servicing, recovery, exact locations and depth):

Na

## 5. Geographical areas

5.1 Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude): See Chart

5.2 Attach chart(s) at an appropriate scale showing the geographical areas of the intended work and, as far as practicable, the positions of intended stations, the tracks of survey lines, and the locations of installations and equipment.



## **6. Dates**

Expected dates of first entry into final departure from research area of the research vessel: Survey period extends from the 27 March – 16 April. The cruise track is due to begin in the North and work to the south. Once completed the cruise track will begin again in the south and work northwards on the reciprocal. So multiple entry into UK waters will be required and dates are somewhat weather dependent.

**6.2 Indicate if multiple entry is expected:** Yes

## **7. Port calls**

**7.1 Dates and names of intended ports of calls in UNITED KINGDOM:**

27<sup>th</sup> March: Stornoway

**7.2 Any special logistical at ports of call:** NA

**7.3 Names/ Address / Telephone of shipping agent (if available)**

n/a

## **8. Participation**

**8.1 Extent to which UNITED KINGDOM will be enable to participate to be represented in research project:**

Through funding and data exchange within the ICES forum

**8.2 Proposed dates and ports for embarkation / disembarkation:**

Survey period extends from the 27 March Stornoway– 16 April in Galway, Ireland

## **9. Access to data, samples and research results**

**9.1 Expected dates of submission to UNITED KINGDOM preliminary reports which should include the expected dates of submission of the final results:**

01.05.2011

**9.2 Proposed means for access by UNITED KINGDOM to data and samples:**

Through the ICES forum : WGNAPES (Working Group of North Atlantic Pelagic Ecosystem Surveys) or by direct contact with the leading scientist

**9.3 Proposed means to provide UNITED KINGDOM with assessment of data, samples and research results or provide assistance in their assessment or interpretation:**

Through the ICES forum : WGNAPES (Working Group of North Atlantic Pelagic Ecosystem Surveys) or by direct contact with the leading scientist

**9.4 Proposed means of making research results internationally available:**

Through the ICES forum : WGNAPES (Working Group of North Atlantic Pelagic Ecosystem Surveys) or by direct contact with the leading scientist

**10. Scientific Equipment**

**COMPLETE THE FOLLOWING TABLE-  
SEPARATE PAGE FOR EACH COSTAL STATE:**

INDICATE YES OR NO

LIST SCIENTIFIC WORK BY FUNCTION Eg: MAGNETOMETRY: GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TRAWLING ECHO SOUNDING WATER SAMPLING	Echosounder (Fisheries capability)	Fisheries research within fishing limits	Fisheries and physical oceanography	DISTANCE FROM COAST		
				Coast (50m)	200m	Based on self and to shelf
WATER SAMPLING	No	No	YES	No	No	
PROFILING INSTRUMENTS	YES	No	YES	No	No	
ABOVE WATER OPTICS AND PHOTOGRAPHY	No	No	No	No	No	

Ciaran O'Donnell

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(On behalf of the Principle Scientist)

Dated -----07.12.2010-----