

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

Date: 14.10.11

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 herring spawning aggregations in the Celtic Sea and south west Ireland as part of an annual spawning stock survey.

2.2 Relevant previous or future research cruises:

This survey program was initiated in its present form in 2004 but has been undertaken annually since 1989. 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:

www.marine.ie

www.ices.dk/workinggroup/WGIPS

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: 11

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

No

3.3 Particulars of methods and scientific instruments

Types of samples and data	Methods to be used	Instruments to be used
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.

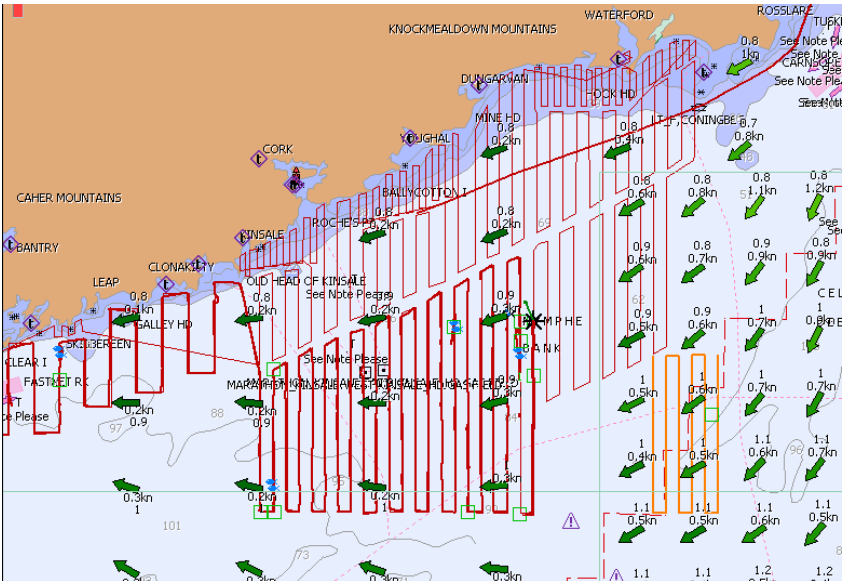


Figure 1. Intended additional cruise lines (orange). Note intersection of dashed red line indicating maritime border of Ireland and UK. Note: tracks will begin in the West and work in an easterly direction.

Table 1. Waypoint data for the above intended cruise plan (orange track lines only)

1.	51 23.8N	006 50.3W
2.	51.00.0N	006 50.3W
3.	51.00.0N	006 47.3W
4.	51.24.0N	006 47.3W
5.	51.24.0N	006 43.9W
6.	51.00.0N	006 43.9W
7.	51.00.0N	006 40.9W
8.	51 24.1N	006 40.9W
9.	51 24.1N	006 37.7W
10.	51.00.0N	006 37.7W
11.	51.00.0N	006 34.5W
12.	51 24.2N	006 34.5W

6. Dates

Expected dates of first entry into final departure from research area of the research vessel:

Entry: 18th October

Exit: 18th October

6.2 Indicate if multiple entry is expected: No

7. Port calls

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

7.2 Any special logistical at ports of call: NA

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

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 07th October (Dublin, Ireland) to 27th October (Cork, 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:

15.12.2011

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

Through the ICES forum : WGIPS (Working Group of International 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 : WGIPS (Working Group of International 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 : WGIPS (Working Group of International 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

(On behalf of the Principle Scientist)

Dated -----14.10.2011-----