

Application for Consent to conduct  
Marine Scientific Research

Date: 26.08.2016

1. General Information

1.1 Cruise name and/or number:
CSHAS 2016

1.2 Sponsoring Institution(s):	
Name:	Marine Institute
Address:	Rinville, Oranmore, Co. Galway, Ireland
Name of Director:	Peter Heffernan

1.3 Scientist in charge of the Project:	
Name:	Ciaran O'Donnell
Country:	Ireland
Affiliation:	Marine Institute
Address:	Rinville, Oranmore, Co. Galway, Ireland
Telephone:	+353 87 968 1954
Fax:	
Email:	Ciaran.odonnell@marine.ie
Website (for CV and photo):	www.marine.ie

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	na
Affiliation:	
Address:	
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	

2. Description of Project

2.1 Nature and 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. Data collected is used during the assessment of this stock for fishery applications within ICES (HAWG).

2.2 If designated as part of a larger scale project, then provide the name of the project and the Organisation responsible for coordinating the project:
na

2.3 Relevant previous or future research projects:
Part of a survey time series first established in 1989

2.4 Previous publications relating to the project:

<http://hdl.handle.net/10793/853>

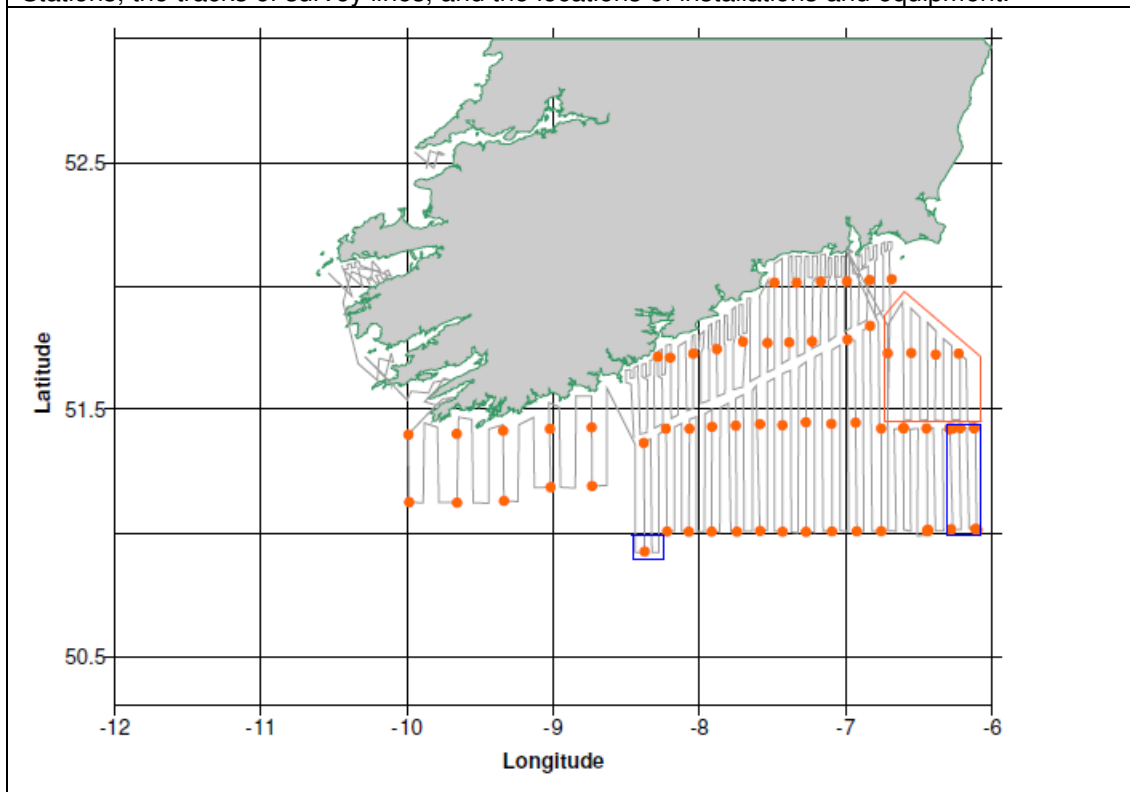
3. Geographical Areas

3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in decimal degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a separate excel spreadsheet.

Southwest of Ireland and Celtic Sea  
52°N to 51°N and 06°W to 11°W

Exact track waypoints as yet to be determined. Chart enclosed is of 2015 survey (showing CTD positions) and will follow similar geographical coverage and transect spacing with a randomised start point (+/- 5nmi).

3.2 Attach chart(s) at an appropriate scale (1 page, high-resolution) showing the geographical Areas of the intended work and, as far as practicable, the location and depth of sampling Stations, the tracks of survey lines, and the locations of installations and equipment.



4. Methods and means to be used

4.1 Particulars of vessel:

Name:	Celtic Explorer
Type/Class:	Multipurpose Research Vessel D100 A1 ICE CLASS ID + UMS +SCM DP (CM)
Nationality (Flag State):	Irish
Identification Number (IMO/Lloyds No.):	IMO Number: 9244439
Owner:	Marine Institute
Operator:	P&O Maritime Services
Overall length (meters):	65.5
Maximum draught:	5.7m

Displacement/Gross Tonnage:	2425T
Propulsion:	2 x 1530 KW, 1000Rpm, 1 x 1020 KW, 1000 Rpm
Cruising & maximum speed:	10 & 16 knots
Call sign:	EI GB
INMARSAT number and method and capability of communication (including emergency frequencies):	00353 91 423397 / 00353 91 423433 00870 763066743 00 353 87 9678520 / 00 353 86 1735500
Name of Master:	Antony Hobin/Denis Rowan
Number of Crew:	13-15
Number of Scientists on board:	18-20 max

4.2 Particulars of Aircraft:	
Name:	na
Make/Model:	
Nationality (flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall Length (meters):	
Propulsion:	
Cruising & Maximum speed:	
Registration No.:	
Call Sign:	
Method and capability of communication (including emergency frequencies):	
Name of Pilot:	
Number of crew:	
Number of scientists on board:	
Details of sensor packages:	
Other relevant information:	

4.3 Particulars of Autonomous Underwater Vehicle (AUV):	
Name:	na
Manufacturer and make/model:	
Nationality (Flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall length (meters):	
Displacement/Gross tonnage:	
Cruising & Maximum speed:	
Range/Endurance:	
Method and capability of communication (including emergency frequencies):	
Details of sensor packages:	
Other relevant information:	

4.4 other craft in the project, including its use:
na

4.5 Particulars of methods, full description of scientific instruments to be used (for fishing gear specify type and dimension) and location			
Types of samples and Measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Acoustic	Echosounder	Simrad EK 60	no

Biological	Fishing	Midwater trawl	no
Hydrographic	CTD	Seabird 911	no

4.6 Indicate nature and quantity of substances to be released into the marine environment:

na

4.7 Indicate whether drilling will be carried out. If yes, please specify:

No

4.8 Indicate whether explosives will be used. If yes, please specify type and trade name, Chemical content, depth of trade class and stowage, size, depth of detonation, frequency of Detonation, and position in latitude and longitude:

No

## 5. Installations and Equipment

Details of installations and equipment (including dates of laying, servicing, method and Anticipated timeframe for recover, as far as possible exact locations and depth, and Measurements):

na

## 6. Dates

6.1 Expected dates of first entry into and final departure from the research area by the research vessel and/or other platforms:

10-27<sup>th</sup> October 2016 although actual time in UK waters will be much reduced. Broad dates included to allow for changes in planning relative to actual fish distribution and/or bad weather contingency.

6.2 Indicate if multiple entries are expected:

Yes

## 7. Port Calls

7.1 Dates and Names of intended ports of call:

Na

7.2 Any special logistical requirements at ports of call:

Na

7.3 Name/Address/Telephone of shipping agent (if available):

Na

## 8. Participation of the representative of the coastal State

8.1 Modalities of the participation of the representative of the coastal State in the research Project:

Na

8.2 Proposed dates and ports for embarkation/disembarkation:

Na

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to coastal State of preliminary report, which should include The expected dates of submission of the data and research results:

20.12.2016

9.2 Anticipated dates of submission to the coastal State of the final report:

20.12.2016

9.3 Proposed means for access by coastal State to data (including format) and samples:

On request

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:

On request

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples And research results:

On request

9.6 Proposed means of making results internationally available:

Through ICES- WGIPS

10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):

Na

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:

Signature:



Contact information of the focal point:

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