

Application for Consent to conduct
Marine Scientific Research

Date: 11/12/2015

1. General Information

1.1 Cruise name and/or number: Mackerel Egg Survey 2015

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

1.3 Scientist in charge of the Project:	
Name:	Brendan O' Hea
Country:	Ireland
Affiliation:	
Address:	Rinville, Oranmore, Co. Galway
Telephone:	00 353 91 387200
Fax:	00 353 91 387201
Email:	Brendan.ohea@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:	Finlay Burns
Affiliation:	MSSML
Address:	PO Box 101, 375 Victoria Rd, Aberdeen AB11 9DB, Scotland
Telephone:	
Fax:	
Email:	F.Burns@MARLAB.AC.UK
Website (for CV and photo):	

2. Description of Project

2.1 Nature and objectives of the project:
Due to recent difficulties encountered in recent years by WGMEGS, the Working Group on Mackerel and Horse Mackerel Egg Surveys, in identifying the starting date of mackerel spawning it is proposed to conduct a number of surveys in the Celtic Sea, Bay of Biscay between December 2014 and March 2015 to see if this starting date can be more accurately identified. This survey is the first of four proposed surveys in the area between December 2014 and March 2015.

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:
International mackerel and horse mackerel egg surveys in 2001, 2004, 2007, 2010 and 2013.

2.3 Relevant previous or future research projects:

2.4 Previous publications relating to the project:

None

3. Geographical Areas

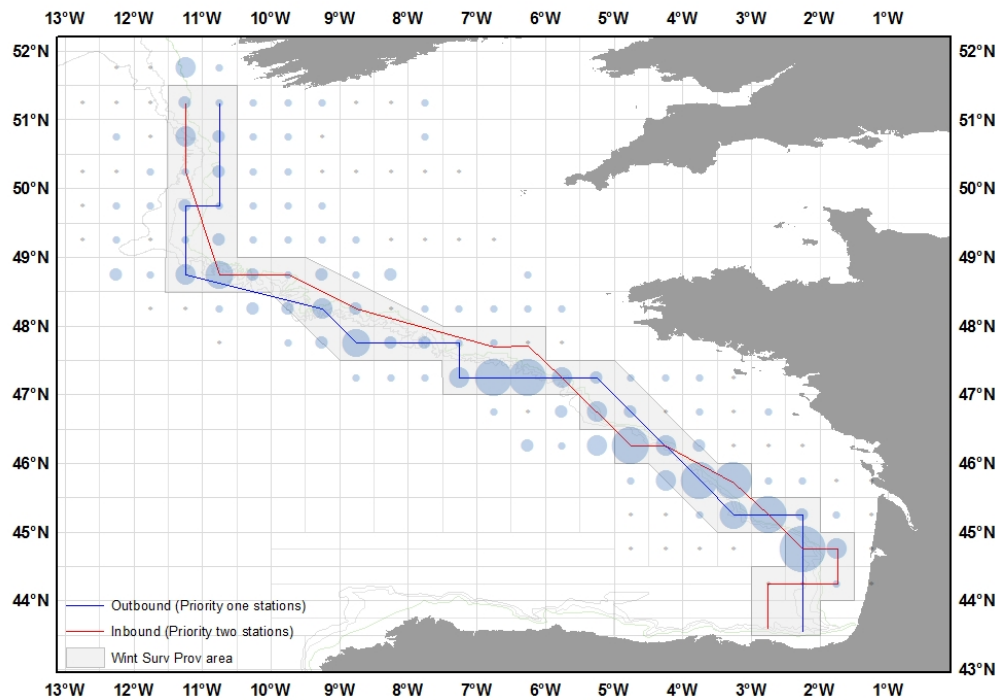
3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in decimal degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a separate excel spreadsheet.

43°N 002°W 43°N 003°W
52°N 010°W 52°N 012°W

While the potential survey area is quite large, due to the time constraints on the survey, and the area to be covered, only a small number of stations will be sampled on each transect.

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

The following map shows the core sampling area for the Irish survey in December 2014. The survey will start in the north of the area and sample every second transect until it reaches the southern boundary. The intervening transects will be sampled on the way north.



4. Methods and means to be used

4.1 Particulars of vessel:

Name:	Atlantic Challenge
Type/Class:	
Nationality (Flag State):	Irish
Identification Number (IMO/Lloyds No.):	

Owner:	Killybegs Fishing Enterprises Ltd
Operator:	Killybegs Fishing Enterprises Ltd
Overall length (meters):	52.51
Maximum draught:	7.5
Displacement/Gross Tonnage:	557
Propulsion:	Diesel Engine 2940kw
Cruising & maximum speed:	13.5
Call sign:	E15772
INMARSAT number and method and capability of communication (including emergency frequencies):	Sat Phone, Mobile Phone, HF Radio, VHF Radio 00 353 74 9890461 870 761606540 Atlanticchallenge@gmail.com
Name of Master:	Steven McSharry
Number of Crew:	10
Number of Scientists on board:	3

4.2 Particulars of Aircraft:	
Name:	N/A
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): N/A	
Name:	
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:

4.5 Particulars of methods, full description of scientific instruments to be used (for fishing gear specify type and dimension) and location
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Types of samples and Measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Plankton samples	V-shaped tows to a max. depth of 200m	GULF VII plankton sampler	No
100 mackerel for fecundity estimation	Standard pelagic fishing	Pelagic fishing net	No

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

None

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):

N/A

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:

Entry: 7th February 2015

Departure: 24th February 2015

6.2 Indicate if multiple entries are expected:

Yes. Stations will be sampled every ICES half statistical rectangle. The survey will start sampling in Irish waters and will pass through UK waters on both the outbound and inbound legs.

7. Port Calls

7.1 Dates and Names of intended ports of call:

None

7.2 Any special logistical requirements at ports of call:

N/A

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

N/A

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:

The UK Scotland is part of this programme and will participate in one of the research surveys in March 2015.

8.2 Proposed dates and ports for embarkation/disembarkation:

Start: 6th February, Killybegs, Ireland
End: 24th February, Killybegs, Ireland

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:

The preliminary cruise report will be made available within 3 months

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

The cruise report will be made available within 6 months.

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

Please contact the Chief Scientist with any survey data requests.

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

A full report combining results four surveys in December 2014, and January, February, & March 2015 will be prepared and provided to UK authorities

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

Please contact the Chief Scientist for any assistance

9.6 Proposed means of making results internationally available:

A full report combining results four surveys in December 2014, and January, February, & March 2015 will be prepared and submitted to the ICES Working Group on Mackerel Egg Surveys (WGMEGS) (meeting in April 2015). The report will be included in the full report from WGMEGS and will be made available on the ICES website.

10. Other permits Submitted

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

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:

Name: Brendan O'Hea

Country: Ireland

Affiliation: Marine Institute

Address: Rinvilla, Oranmore, Co. Galway

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