

Application for Consent to conduct
Marine Scientific Research

Date: 28th July 2016

1. General Information

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| 1.1 Cruise name and/or number: Mackerel Egg Survey August 2016 |
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| 1.2 Sponsoring Institution(s): | |
| Name: | Marine Institute |
| Address: | Rinville, Oranmore, Co. Galway, Ireland |
| Name of Director: | Peter Heffernan |

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| 1.3 Scientist in charge of the Project: | |
| Name: | Brendan O' Hea |
| Country: | Ireland |
| Affiliation: | Marine Institute |
| Address: | Rinville, Oranmore, Co. Galway, Ireland |
| Telephone: | +353 91 387200 |
| Fax: | +353 91 387201 |
| Email: | brendan.ohea@marine.ie |
| Website (for CV and photo): | |

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| 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: | +44 1224 876544 |
| Fax: | +44 1224 295511 |
| Email: | f.burns@marlab.ac.uk ; Finlay.Burns@scotland.gsi.gov.uk |
| Website (for CV and photo): | |

2. Description of Project

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| 2.1 Nature and objectives of the project: |
| Every three years the International Council for the Exploration of the Sea , (ICES), coordinates a series of mackerel and horse mackerel egg surveys covering the northeastern Atlantic from Gibraltar to the Faeroes between January and July. The aim of this survey programme is to assess the northeastern Atlantic mackerel and horse mackerel stock. The Marine Institute participates in this programme. During 2016 the Marine Institute proposes carrying out a survey in August, covering stations to the West of Ireland and West of Scotland, to check if horse mackerel spawning is moving later in the year. This survey will be carried out on a chartered commercial vessel |

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| 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: |
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| 2.3 Relevant previous or future research projects: |
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| International mackerel and horse mackerel egg surveys in 2001, 2004, 2007, 2010 and 2013. |
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| 2.4 Previous publications relating to the project: |
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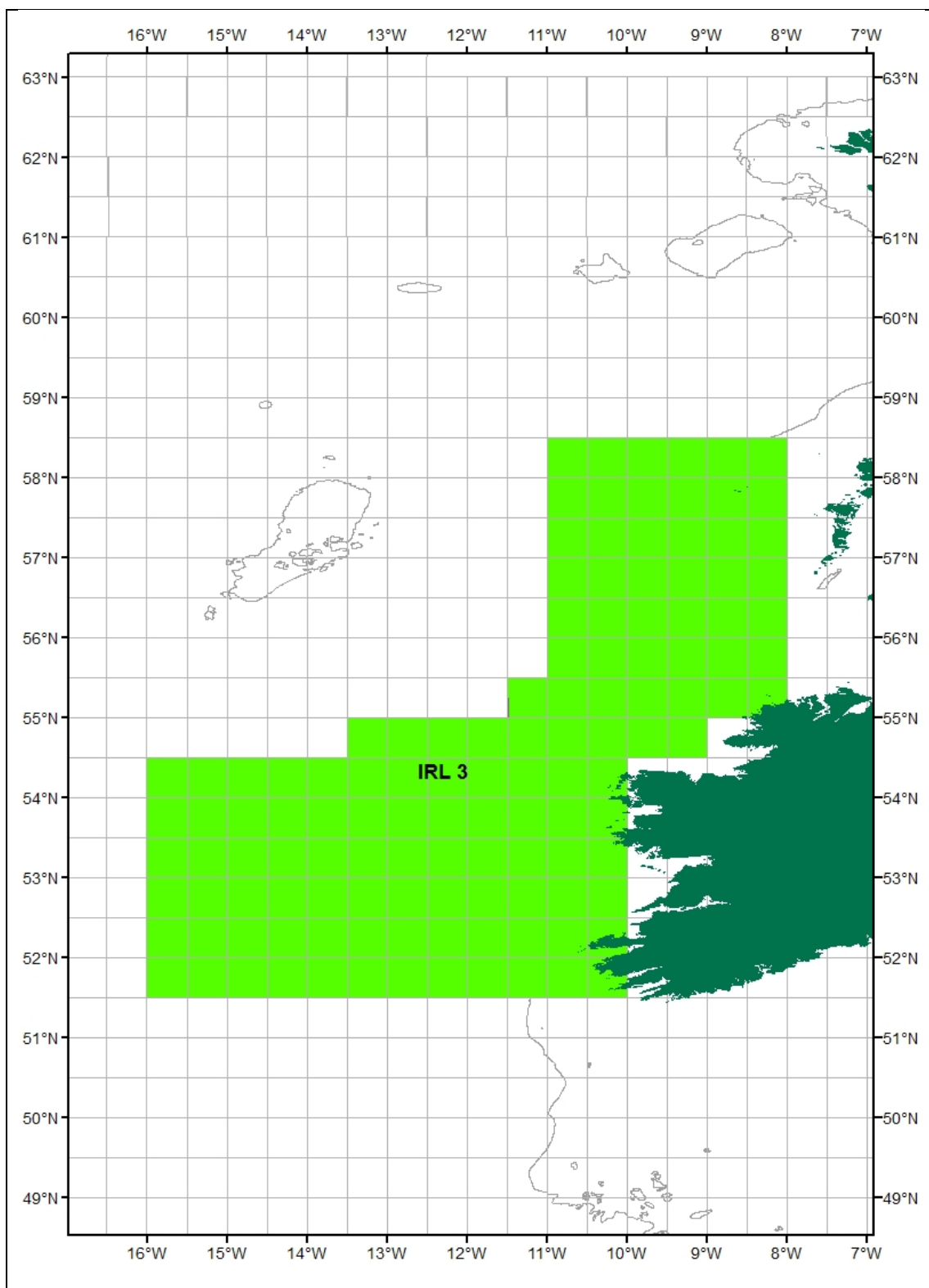
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| Results are published in the ICES 2002, 2005, 2008, 2011 and 2014 ICES reports of the working group on mackerel and horse mackerel egg surveys, WGMEGS. |
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3. Geographical Areas

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| 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. |
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| 51°N 010°W 51°N 016°W 59°N 008°W 59°N 012°W |
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| 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. |
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4. Methods and means to be used

4.1 Particulars of vessel:

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| Name: | Atlantic Challenge |
| Type/Class: | Trawler |
| Nationality (Flag State): | Irish |
| Identification Number (IMO/Lloyds No.): | 9213442 |
| Owner: | Killybegs Fishing Enterprise |

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|---|------------------------------|
| Operator: | Killybegs Fishing Enterprise |
| Overall length (meters): | 59m |
| Maximum draught: | 7m |
| Displacement/Gross Tonnage: | 1793 |
| Propulsion: | |
| Cruising & maximum speed: | 11.4/12.6 |
| Call sign: | E15772 |
| INMARSAT number and method and capability of communication (including emergency frequencies): | |
| Name of Master: | |
| Number of Crew: | |
| Number of Scientists on board: | 4 |

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| 4.2 Particulars of Aircraft: | |
| Name: | None |
| 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: | |

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| 4.3 Particulars of Autonomous Underwater Vehicle (AUV): | |
| Name: | None |
| 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: | |

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| 4.4 other craft in the project, including its use: |
| None |

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| 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 | Methods to be used: | Instruments to be | To be carried out |

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|------------------|---------------------------------------|---------------------------|--------------------------|
| Measurements: | | used: | within 12nm (yes or no): |
| Plankton samples | V-shaped tows to a max. depth of 200m | GULF VII plankton sampler | Yes |
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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:

None

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:

None

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):

None

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 August 13th 2016
Departure August 21st 2016

6.2 Indicate if multiple entries are expected:

No

7. Port Calls

7.1 Dates and Names of intended ports of call:

None

7.2 Any special logistical requirements at ports of call:

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

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 research surveys of the same nature between March and July.

8.2 Proposed dates and ports for embarkation/disembarkation:

Start date August 10th 2016 from Killybegs, Ireland
End date August 23rd 2016 from 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 cruise report will be made available within 6 months.

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

As this survey will be coordinated by WGMEGS the working group will report the results in April 2017.

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

Survey data will be available from the ICES Egg and Larval database after it has been reviewed and accepted by WGMEGS

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

The scientists participating in this international program will collaborate in ICES workshops and working groups. The results will be published in ICES working group reports.

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

9.6 Proposed means of making results internationally available:

ICES working group reports

10. Other permits Submitted

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

None

11. List of Supporting Documentation

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

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Signature:

Contact information of the focal point:

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Country: Ireland

Affiliation: Marine Institute

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