

Application for Consent to conduct
Marine Scientific Research for **0118H, Iceland**

Date: **19 April 2018**

1. General Information

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| 1.1 Cruise name and/or number: |
| Mackerel Egg Survey, 0118H |

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| 1.2 Sponsoring Institution(s): | |
| Name: Marine Scotland – Science | Marine Scotland Science (MSS) |
| Address: | Scottish Government-Marine Laboratory, 375 Victoria Road, Aberdeen AB11 9DB |
| Name of Director: | Dr I. Davies |

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| 1.3 Scientist in charge of the Project: | |
| Name: | F. Burns |
| Country: | Scotland |
| Affiliation: | Marine Scotland Science |
| Address: | Scottish Government-Marine Laboratory, 375 Victoria Road, Aberdeen AB11 9DB |
| Telephone: | +44 (0)131 244 2897 |
| Fax: | +44 (0)1224-295511 |
| Email: | Finlay.Burns@gov.scot |
| Website (for CV and photo): | http://www.scotland.gov.uk/topics/marine/science |

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| 1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project: | |
| Name: | N/A, but welcome in liaison with MSS |
| Affiliation: | |
| Address: | |
| Telephone: | |
| Fax: | |
| Email: | |
| Website (for CV and photo): | |

2. Description of Project

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| 2.1 Nature and objectives of the project: |
| Mackerel egg survey, to determine the extent and spawning distribution of mackerel in the North Atlantic working in conjunction with the ICES triennial mackerel egg surveys working group. To collect data of the presence and distribution of mackerel eggs, to collect data on oocyte development and fecundity of female mackerel, and to obtain hydrographical data |
| http://ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/SSGIEOM/2017/WGMEC |

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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: |
| Information to support triennial ICES mackerel and horse mackerel egg survey geographic area for 2019. |

2.3 Relevant previous or future research projects:

Triennial ICES mackerel and horse mackerel egg surveys. Next co-ordinated surveys will be conducted in 2019

2.4 Previous publications relating to the project:

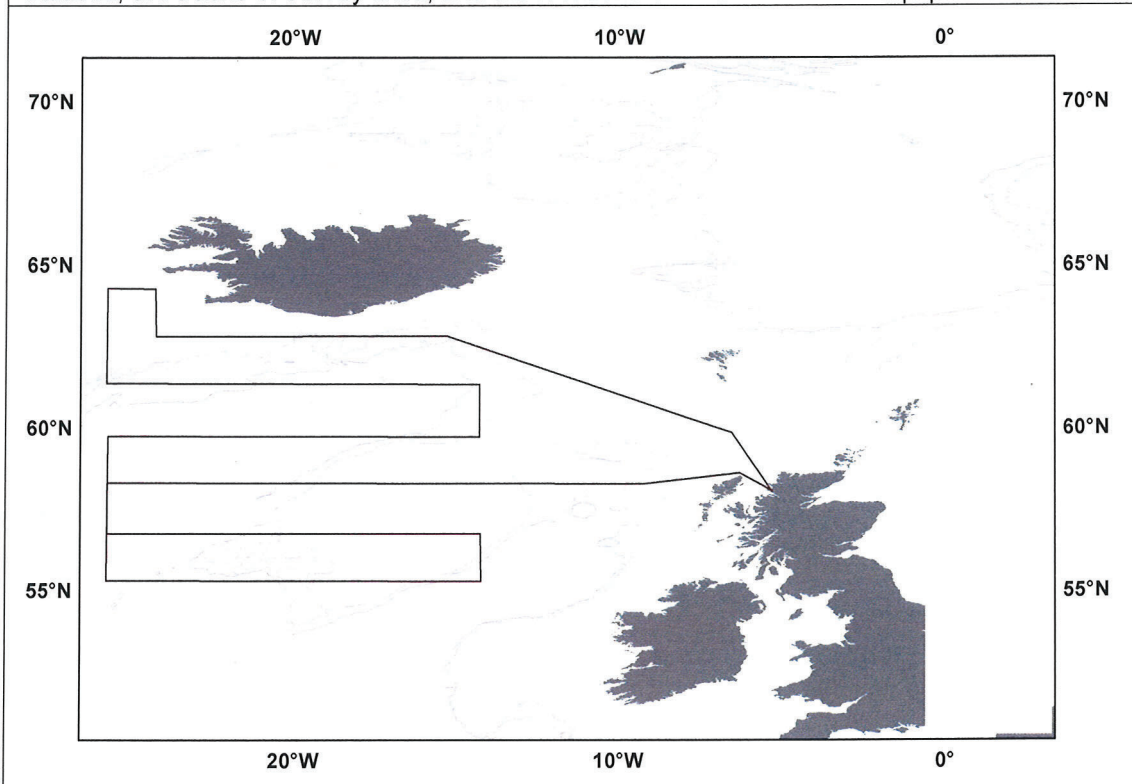
<http://ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/SSGIEO/M/2017/WGMEGS/WGMEGS%202017.pdf>

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.

Rockall / Hatton Bank region and South Iceland Basin; in the area bounded by 55-64°N and 14-26°W

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:

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| Name: | FV Altaire |
| Type/Class: | Scottish Pelagic Fishing Vessel |
| Nationality (Flag State): | United Kingdom |
| Identification Number (IMO/Lloyds No.): | LK429 |
| Owner: | Interfish Ltd |

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| Operator: | Interfish Ltd |
| Overall length (meters): | 76.43 |
| Maximum draught: | 8m |
| Displacement/Gross Tonnage: | 2809t |
| Propulsion: | Single screw diesel |
| Cruising & maximum speed: | 15knt |
| Call sign: | MDPK6 |
| INMARSAT number and method and capability of communication (including emergency frequencies): | Via Marine Scotland Science 0044 1224 876544 |
| Name of Master: | Mr Chris Duncan |
| Number of Crew: | 14 |
| Number of Scientists on board: | 4 |

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

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| 4.4 other craft in the project, including its use: n/a |
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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 | | | |
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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): |
| Water temperature, depth and salinity | Water sampling | Seabird CTD | No |
| Plankton | Oblique plankton tow | Gulf VII plankton sampler | No |
| Fish | Trawl | Pelagic Trawl | 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:

23 May 2018 – 05 June 2018.

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:

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:

In liaison with Marine Scotland Science

8.2 Proposed dates and ports for embarkation/disembarkation:

Ullapool, Scotland, 22 May 2018. Ullapool, Scotland, 06 June 2018

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:

Within 3 months of survey end.

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

Within 6 months of survey end.

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

Survey report and results of this survey will be published in 2018 project reports and in the ICES Mackerel and horse mackerel egg survey report.

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

Survey report and results of this survey will be published in 2018 project reports and in the ICES Mackerel and horse mackerel egg survey report.

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

Through ICES Mackerel and horse mackerel working group

9.6 Proposed means of making results internationally available:

Through ICES.

10. Other permits Submitted

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

N/A

11. List of Supporting Documentation

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

N/A

Signature: ***I. Gibb***

Contact information of the focal point:

Name: Mr Iain Gibb

Country: Scotland

Affiliation: Marine Scotland - Science

Address: Scottish Government-Marine Laboratory,
375 Victoria Road, Aberdeen
AB11 9DB

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