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

Date: 29.1.2020

1. General Information

1.1 Ship and cruise number: Magnus Heinason Cruise 2010

1.2 Sponsoring institution:

Name:	Havstovan
Address:	PO Box 3051, Nóatún, FO-110 Tórshavn Faroe Islands
Name of director:	Eilif Gaard

1.3 Scientist in charge of project:

Name:	Dr. Jan Arge Jacobsen
Address:	Havstovan PO Box 3051, Nóatún FO-110 Tórshavn Faroe Islands
Telephone:	+298 353900
Telefax:	+298 353901

1.4 Scientist from UK with knowledge of the project:

Name:	Prof. Colin Moffat Head of science
Address:	Marine Scotland PO Box 101, 375 Victoria Road Aberdeen AB11 9DB

1.5 Submitting officer:

Name:	Dr. Eilif Gaard
Address:	Havstovan PO Box 3051, Nóatún FO-110 Tórshavn Faroe Islands
Telephone:	+298 353900
Telefax:	+298 353901

2. Description of Project

2.1 Nature and objectives of the project:

Assess the spawning stock of blue whiting in April as part of the joint international blue whiting survey (IBWSS) on the spawning grounds west of the British Isles, the Porcupine Bank and the Rockall Bank. Three parties and four research vessels (see text table below) take part in the survey, coordinated by the "Working Group of International Pelagic Surveys" (WGIPS) in ICES. The results will be used in the assessment of blue whiting by the "Working Group on Widely Distributed Stocks" [WGWIDE] in September 2020.

Ship	Nation
M. Heinason	Faroes
Kings Bay	Norway
Tridens	Netherlands (EU)
Celtic Explorer	Ireland (EU)
Miguel Oliver	Spain (EU)

2.2 Relevant previous or future research cruises:

2019	27.03-10.04	Magnus Heinason
2018	28.03-11.04	Magnus Heinason
2017	29.03-12.04	Magnus Heinason
2016	30.03-13.04	Magnus Heinason
2015	25.03-08.04	Magnus Heinason
2014	26.03-09.04	Magnus Heinason

2.3 Previously published research data relating to the project:

ICES 2019. ICES Working Group of International Pelagic Surveys (WGIPS). Couperus, B. and O'Malley, M. ICES Scientific Reports 1(11), 493 pp.

ICES 2018. Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM EOSG(14), 342 pp.

ICES. 2017. Report of the Working Group on Widely Distributed Stocks (WGWIDE). *ICES CM 2017/ACOM:23*

ICES. 2016. Report of the Working Group on Widely Distributed Stocks (WGWIDE). *ICES CM 2016/ACOM:16*

ICES. 2015. Report of the Working Group on Widely Distributed Stocks (WGWIDE). *ICES CM 2015/ACOM:15*

3. Methods and Means to be Used

3.1 Particulars of vessel:

Name: FRV Magnus Heinason **Nationality:** Faroese
Owner: Føroya Landsstýri (The Local Faroese Government)
Operator: Havstovan
Overall length: 44.5 m **Maximum draught:** 4.8 m
Net tonnage: 184.9 **Gross tonnage:** 455
Propulsion: Diesel
Cruising speed: 10 kn **Maximum speed:** 11 kn
Call sign: OW 2252
Registered port and number: TN 407
Method and capability of communication: Radio-telephone
Name of master: Dánial J. Lydersen
Number of crew: 10
Number of scientists on board: 3-4

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

3.3 Particulars of methods and scientific instruments:

Types of samples and data	Methods to be used	Instruments to be used
Water	CTD + bottle sample	CTD + Rosette
Plankton	Vertical hauls	Plankton net
Fish	Horizontal hauls	Pelagic trawl

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):

None

5. Geographical Areas

5.1 Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude):

Water, plankton and fish will be sampled along the cruise transects shown in the attached chart within the approximate area 59°00'N-62°00'N and 03°00'W-14°00'W. See attached chart with planned survey tracks. The present coverage will be similar to last year's coverage.

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.

Attached

6. Dates

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

The ship is expected to be in UK waters sporadically on the southern and eastern cruising legs during the period, depending on the distribution of the targeted stocks (see attached map):
Entry: 26.03.2020
Exit: 08.04.2020

6.2 Indicate if multiple entry is expected:

Yes

7. Port Calls

7.1 Dates and names of intended ports of call in the United Kingdom:

No intended port call

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

8.1 Extent to which UK will be enabled to participate or to be represented in the research project:

Observers are welcome aboard.

8.2 Proposed dates and ports for embarkation/disembarkation:

Tórshavn, Faroe Islands at beginning and end of cruise.

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to UK of preliminary reports which should include the expected dates of submission of the final results:

Within six months from conclusion of cruise.

9.2 Proposed means for access by UK to data and samples:

By cruise report

9.3 Proposed means to provide UK with assessment of data, samples and research results or provide assistance in their assessment or interpretation:

All data submitted to ICES

9.4 Proposed means of making research results internationally available:

Through ICES Working Group reports and in published journals.

10. Scientific Equipment

Coastal State United Kingdom

Port Call No *Indicate "Yes" or "No"*

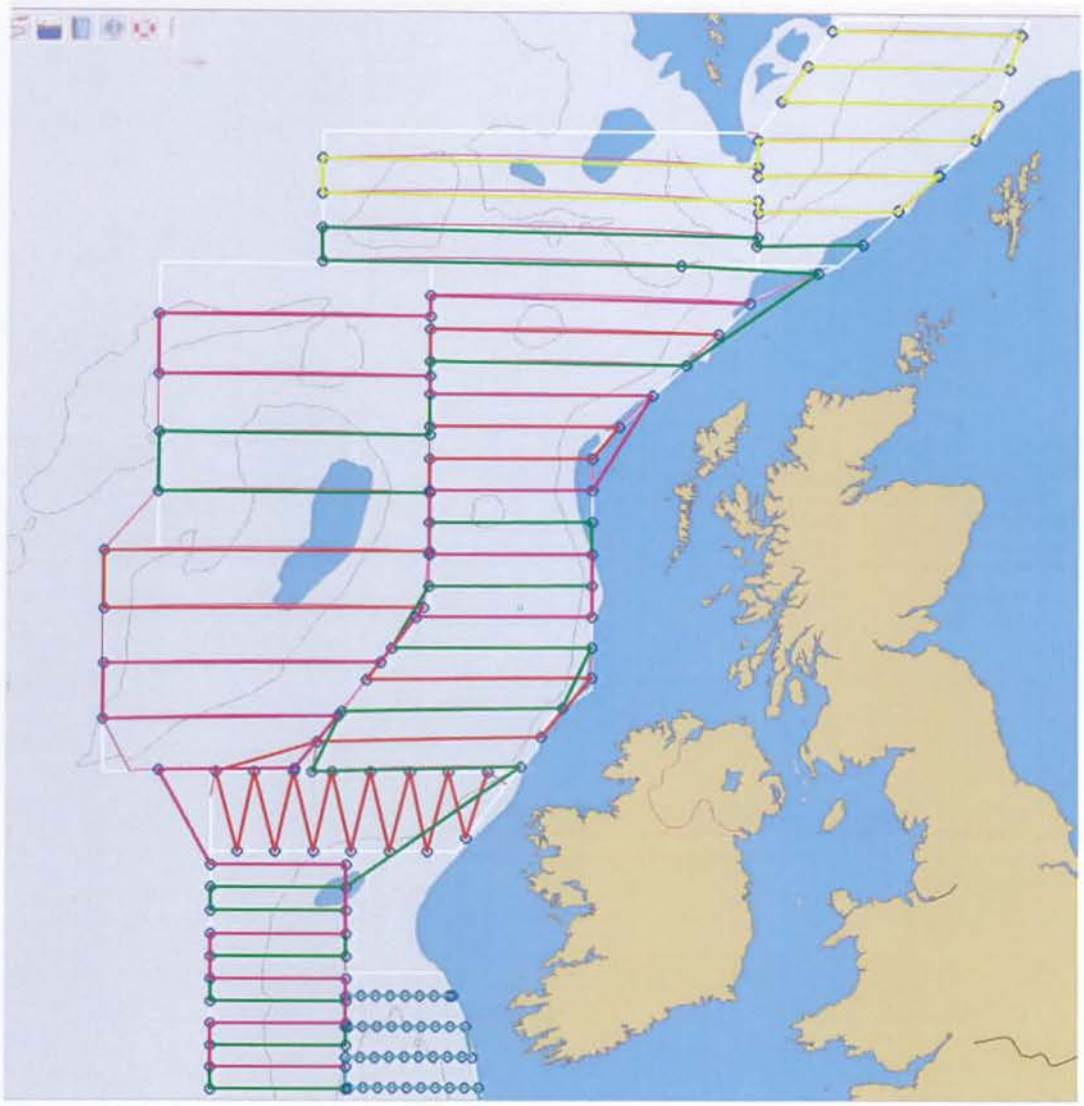
Dates N/A

LIST SCIENTIFIC WORK BY FUNCTION eg: magnetometry, gravity, diving, seismics, bathymetry, sea bed sampling, trawling, echo sounding, water sampling, u/w TV, moored instruments, towed instruments	Water column including sediment sampling of the sea bed	Fisheries research within fishing limits	Research concerning the natural resources of the Continental Shelf or its physical characteristics	Distance from coast within 12 nms	Distance from coast between 12-200 nm	(Continental Shelf work only) Beyond 200 nm but within the Continental margin
Water sampling	Yes	Yes	No	No	Yes	No
Plankton sampling	Yes	Yes	No	No	Yes	No
Pelagic trawling	No	Yes	No	No	Yes	No

Eilif Gaard

Dated 29. January 2020

NB: IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES/AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STATE AUTHORITIES MUST BE NOTIFIED IMMEDIATELY



Map showing the IBWSS survey area and planned cruise tracks for the different participating vessels for the joint International blue whiting spawning stock survey in March-April 2020. The coordination is within the ICES WGIPS with five vessels (different colour) from three parties (EU, NO, FA). The Faroese R/V "Magnus Heinason" is shown as yellow lines (mostly in Faroese EEZ) in the northern area.