

**APPLICATION FOR CONSENT TO CONDUCT MARINE
SCIENTIFIC RESEARCH IN AREAS UNDER NATIONAL
JURISDICTION OF ICELAND**

Date: 11.10.2018

1. General Information

- 1.1 Ship and cruise number:** Magnus Heinason Cruise 1922
- 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 Iceland with knowledge of the project:**
Name: Dr. Þorsteinn Sigurðsson
Address: Hafrannsóknarstofnun
P.O.Box 1390, Skúlagata 4
121 Reykjavík, Iceland
- 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 mackerel in spring/summer 2019 as part of the joint international mackerel egg survey on the spawning grounds west of the British Isles. Several research vessels participate and several periods will be covered during the various surveys (see text table below for vessels in our period, period 5), coordinated by the ICES. The results will be used in the assessment of mackerel by the “Working Group on Widely Distributed Stocks” [WGWIDE] in August 2019.

Ship	Nation
M. Heinason	Faroes
B. Saemundsson	Iceland
Chartered vessel	Scotland /EU)
Margalef	Spain (EU)
Tridens	Netherlands (EU)

2.2 Relevant previous or future research cruises:

2016	25.05-05.06	Magnus Heinason
2013	23.05-05.06	Magnus Heinason
2010	19.05-02.06	Magnus Heinason

2.3 Previously published research data relating to the project:

ICES 2018. Report of the Working Group on Mackerel and Horse Mackerel Egg Surveys (WGMEGS). ICES CM 2018/ EOSG:17.

ICES 2014. Report of the Working Group on Mackerel and Horse Mackerel Egg Surveys (WGMEGS). ICES CM 2014/SSGESST:14.

ICES 2012. Report of the working group on mackerel and horse mackerel egg surveys (WGMEGS). ICES CM 2012/SSGESST:04.

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: 8-10 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: 3-5

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/fish eggs	Double oblique hauls	Bongo plankton sampler (or Gulf sampler)
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 58°30' N-63°30' N and 01°00' W-14°00' W.

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 East Icelandic waters on the western part of cruising legs during the period (see attached map):

Entry: 22.05.2019

Exit: 05.06.2019

6.2 Indicate if multiple entry is expected:

Yes.

7. Port Calls

7.1 Dates and names of intended ports of call in Iceland:

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 Iceland 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 of cruise.

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to Iceland 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 Iceland to data and samples:

By cruise report.

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

All results submitted to ICES.

9.4 Proposed means of making research results internationally available:

In published journals and through ICES Working Group reports.

10. Scientific Equipment

Coastal State Iceland

Port Call No

Indicate "Yes" or "No"

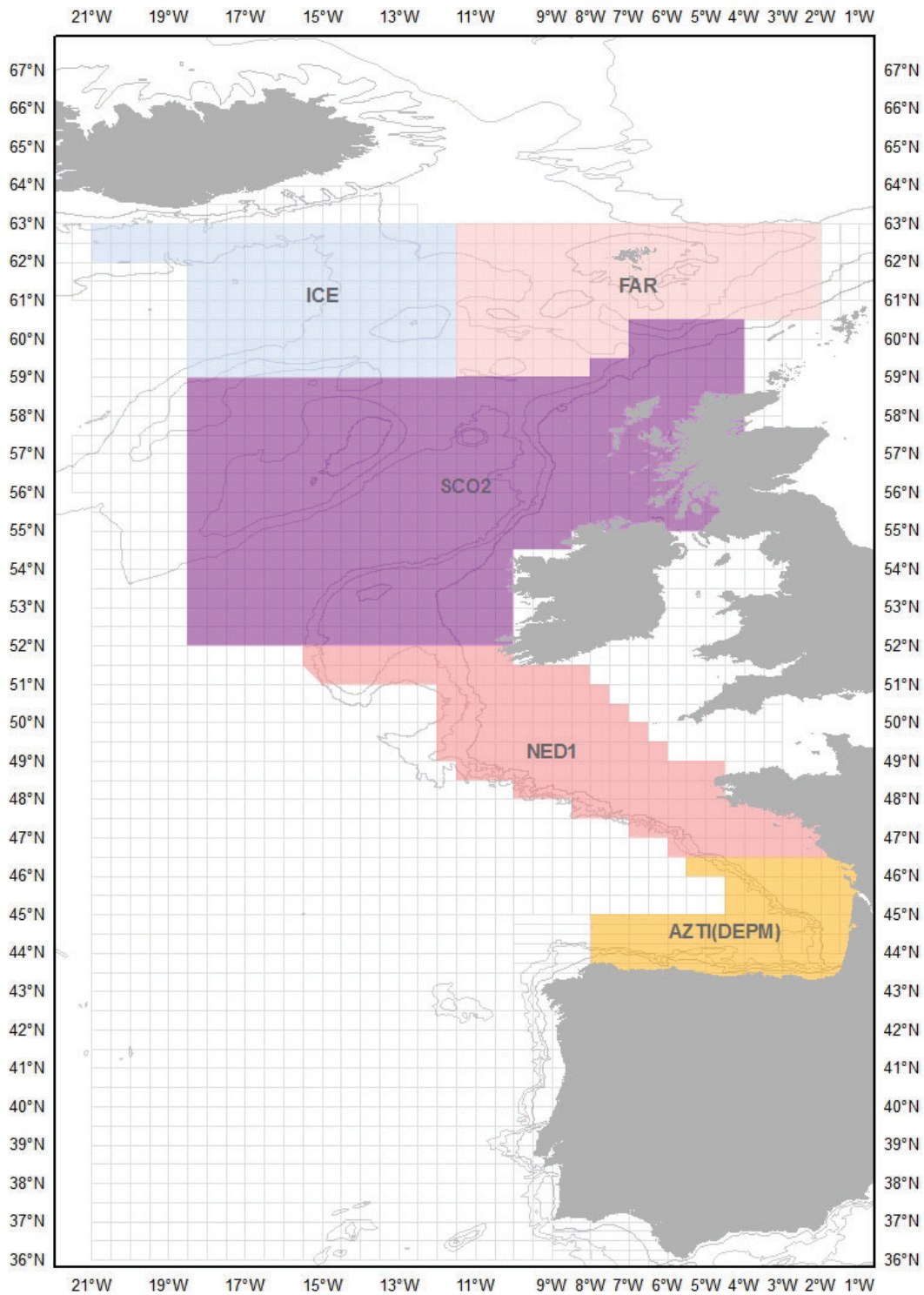
Dates N/A

<u>LIST SCIENTIFIC WORK BY FUNCTION</u> 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
Trawl sampling	Yes	Yes	No	No	Yes	No

Eilif Gaard

Dated 11 October 2018

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 planned survey area for the different participating vessels in period 5 (5/5-9/6 2019) for the joint International mackerel egg survey in 2019. The coordination is within the ICES WGMEGS with the participation of five vessels from EU(SP,NL,SC), FA and IC. The Faroese R/V “Magnus Heinason” will cover the northernmost area (FAR).