

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

**Date:** 2.01.2018

*1. General Information*

- 1.1 Ship and cruise number:** Magnus Heinason Cruise 1820
- 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:** 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:** 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:**

Monitor the herring and blue whiting migrations in the Faroese area and in the Norwegian Sea during early summer after their spawning as part of the joint international survey in the Norwegian Sea (International Ecosystem Survey in the Nordic Seas (IESNS)). Five parties take part in the survey (FA, IC, EU, NO, RU), coordinated by the “Working Group of International Pelagic Surveys” (WGIPS) in ICES. The results will be used in the assessment of blue whiting and Norwegian spring spawning herring by the “Working Group on Widely Distributed Stocks (Blue Whiting, NEA Mackerel, horse mackerel, and Norwegian spring spawning Herring)” [WGWIDE] in August 2018.

### **2.2 Relevant previous or future research cruises:**

2017	03.05-17.05	Magnus Heinason
2016	05.05-16.05	Magnus Heinason
2015	29.04-14.05	Magnus Heinason
2014	30.04-14.05	Magnus Heinason
2013	01.05-15.05	Magnus Heinason
2012	02.05-16.05	Magnus Heinason
2011	04.05-18.05	Magnus Heinason
2010	28.04-12.05	Magnus Heinason
2009	29.04-13.05	Magnus Heinason
2008	30.04-14.05	Magnus Heinason
2007	02.05-16.05	Magnus Heinason

### **2.3 Previously published research data relating to the project:**

*ICES 2012. Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM 2012/SSGESST:22*

*ICES 2014. Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM 2014/SSGESST:01*

*ICES 2015. Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM 2015/SSGIEOM:05*

*ICES 2016. Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM 2016/SSGIEOM:05*

*ICES 2017. Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM 2017/SSGIEOM: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:** 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	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 62°00'N-68°00'N and 14°00'W-08°00'E. See attached chart from last year's survey plan, as this year's map is not yet available. 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 East Icelandic waters on the western part of cruising legs during the period (see attached map):

Entry: 03.05.2018

Exit: 16.05.2018

**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

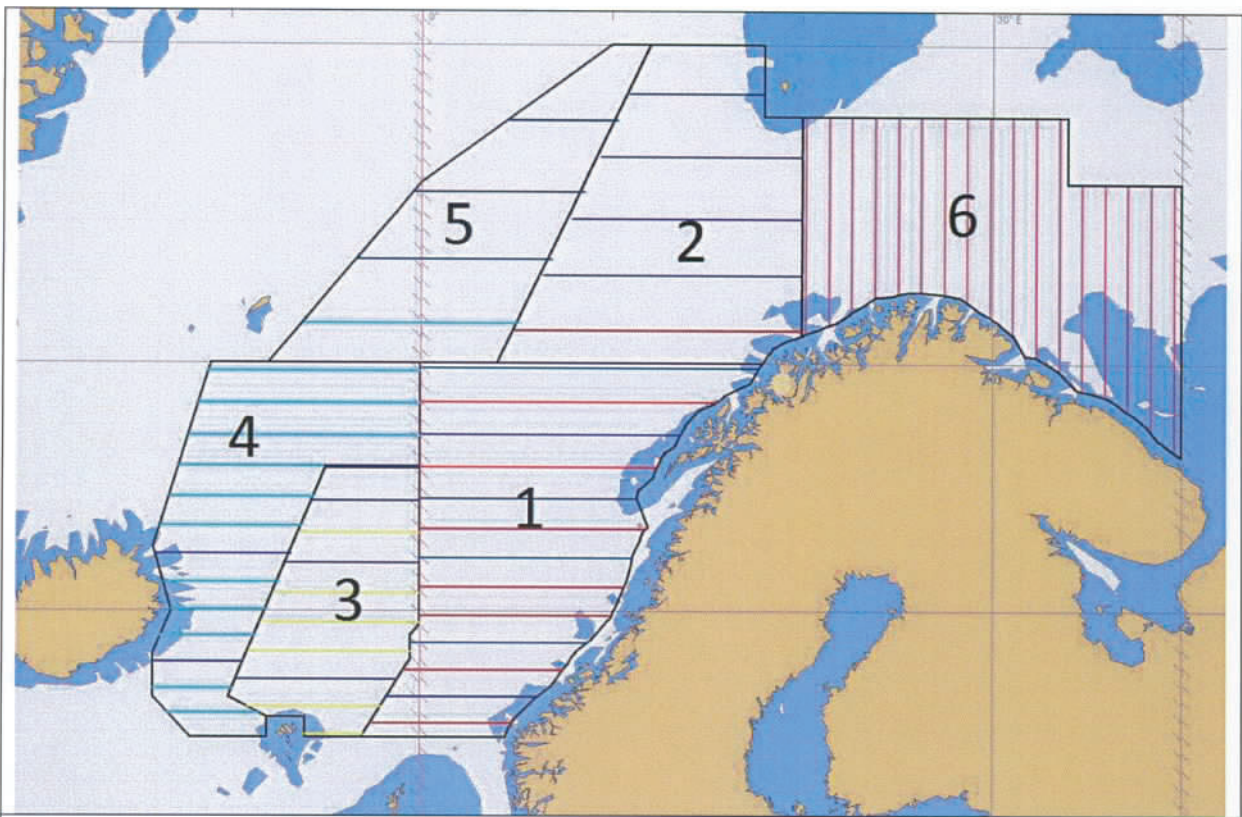
<u>LIST SCIENTIFIC WORK BY FUNCTION</u> eg: magnetometry, gravity, diving, seismics, bathymetry, sea bed sampling, trawling, echo sounding, water sampling, u/w TV, moored instruments, towed instruments	Water column including sediment sampling of the sea bed	Fisheries research within fishing limits	Research 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 2. January 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 surveys in the Nordic Seas and Barents Sea in May 2017. The plan for the IESNS 2018 survey will be similar, with possible extensions of the Faroese cruise tracks eastward into Norwegian waters and/or westward into Icelandic waters. The coordination of the surveys is within the ICES group WGIPS with participation of five parties: EU (DK), NO, IC, RU and FO. The Faroese R/V “Magnus Heinason” will cover the strata 3 (northern part of the Faroese area into international, Icelandic waters, yellow lines east and north of Faroes on the map).