

**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:** Tróndur í Gøtu - Cruise 1952  
(or other vessel to be decided in June 2019)
- 1.2 Sponsoring institution:**  
**Name:** Havstovan  
**Address:** PO Box 3051, Nóatún, FO-110 Tórshavn  
Faroe Islands  
**Name of director:** Dr. 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 stock of Northeast Atlantic mackerel by swept area trawl survey method and acoustic estimates of herring and blue whiting (International Ecosystem Summer Survey in the Nordic Seas, IESSNS) in July 2019. Five parties (Iceland, Faroes, Norway, Greenland and EU(Denmark)) with six vessels (see text table below) take part in the survey, coordinated by the “Working Group of International Pelagic Surveys” (WGIPS) in ICES. The aim is to use the results in the assessment of mackerel by the “Working Group on Widely Distributed Stocks (Blue Whiting, NEA Mackerel, horse mackerel, and Norwegian spring spawning Herring)” [WGWIDE] in August 2019.

Ship	Nation
Tróndur í Gøtu (preliminary vessel)	Faroes
Árni Friðriksson	Iceland
Vendla (prelim.)	Norway
Kings Bay (prelim.)	Norway
Dana	EU(Denmark)
Finnur Fríði (prelim.)	Greenland

### 2.2 Relevant previous or future research cruises:

2018	01.07-21.07	Tróndur í Gøtu
2017	03.07-20.07	Tróndur í Gøtu
2016	04.07-21.07	Tróndur í Gøtu
2015	03.07-19.07	Christian í Grótinum
2014	10.07-21.07	Finnur Fríði
2013	02.07-17.07	Finnur Fríði

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

*ICES 2018. Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM 2018/EOSG:14*

*ICES 2017. Interim Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM 2017/SSGIEOM:15*

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

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

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

### 3. Methods and Means to be Used

#### 3.1 Particulars of vessel:

**Name:** M/V Tróndur í Gøtu (prelim.) **Nationality:** Faroese  
**Owner:** P/F Hvamm, Gøtu  
**Operator:** Havstovan  
**Overall length:** 71.8 m **Maximum draught:** 7.2 m  
**Net tonnage:** 1059 **Gross tonnage:** 3527  
**Propulsion:** Diesel  
**Cruising speed:** 12 kn **Maximum speed:** 16 kn  
**Call sign:** XPXM  
**Registered port and number:** FD 175  
**Method and capability of communication:** Radio-telephone  
**Name of master:** John Mikkelsen  
**Number of crew:** 15  
**Number of scientists on board:** 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 60°N-68°N and 14°W-04°E.

**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.**

Map of the IESSNS 2019 survey is attached. The 2019 plan is similar to the 2018 plan. Trawl stations and CTD stations are taken approximately 60 nm apart along the cruise track. WP 2 met (plankton).

#### ***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 cruising legs (see attached map) during the period:

Entry: 01.07.2019

Exit: 26.07.2019

**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 (01.07.2019) and end (26.07.2019) 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:**

Through ICES Working Group reports and in published journals. All data will be submitted to the ICES WGIPS and GWIDE groups.

## 10. Scientific Equipment

**Coastal State** Iceland

**Port Call** No

*Indicate "Yes" or "No"*

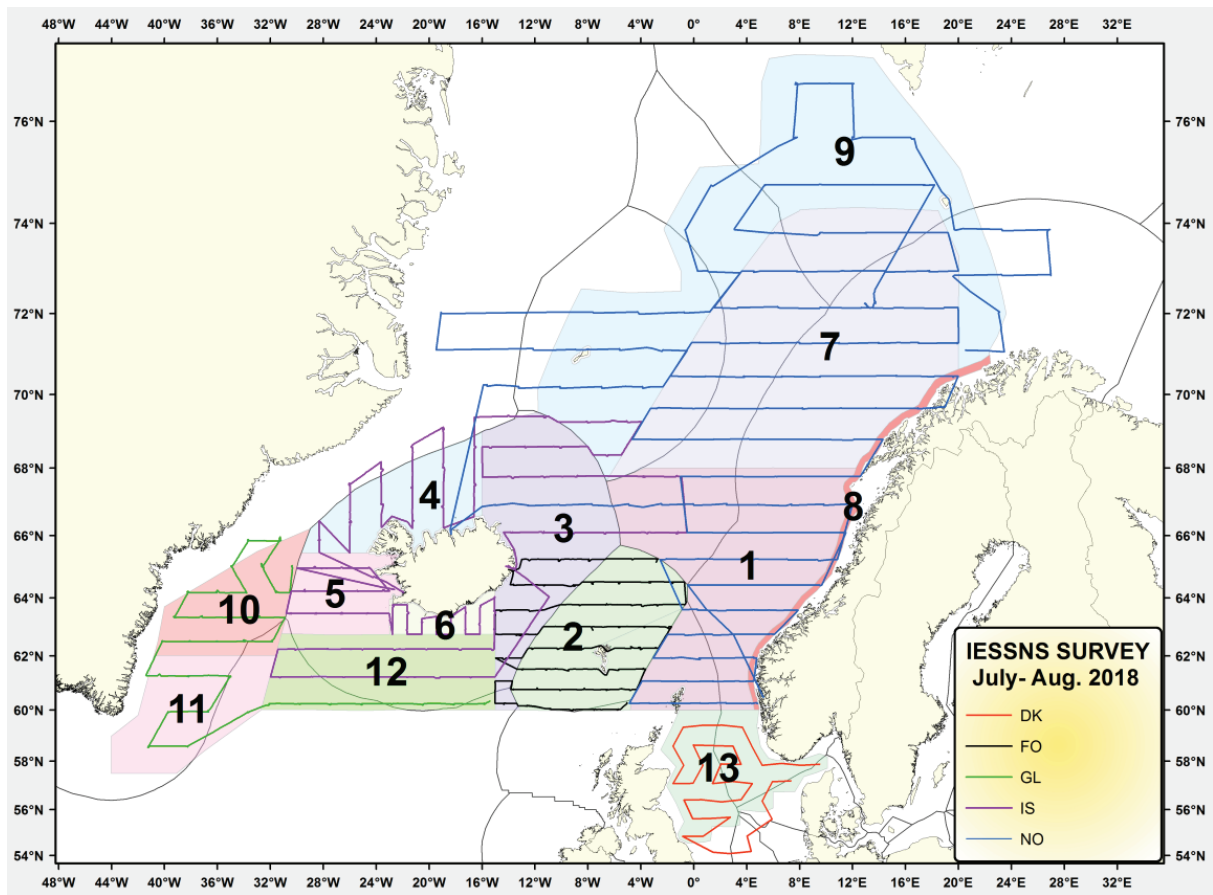
**Dates** N/A

<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	N/A
Plankton sampling	Yes	Yes	No	No	Yes	N/A
Trawl sampling	Yes	Yes	No	No	Yes	N/A

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 of total survey coverage (six vessels) during the IESSNS in July-August 2018. The numbers indicate stratum number. The coordination of the surveys is within the ICES WGIPS. The planned 2019 coverage will be similar to the 2018 plan.