

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

Date: 14.02.2018

1. General Information

- 1.1 Ship and cruise number:** Tróndur í Gøtu - Cruise 1852
(vessel to be decided in June 2018)
- 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: Hafranssoknarstofnun
P.O.Box 1390, Skúlagata 4
121 Reykjavík, Iceland
- 1.5 Submitting officer:**
Name: Eilif Gaard
Address: Havstovan
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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 2018. Four 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 2018.

| 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:

| | | |
|------|-------------|----------------------|
| 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 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 (preliminary plan for IESSNS 2018) 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 preliminary survey plan for IESSNS 2018 is 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 cruising legs (see attached map) during the period:

Entry: 01.07.2018

Exit: 22.07.2018

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 (01.07.2018) and end (22.07.2018) 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.

10. Scientific Equipment

Coastal State Iceland

Port Call No

Indicate "Yes" or "No"

Dates N/A

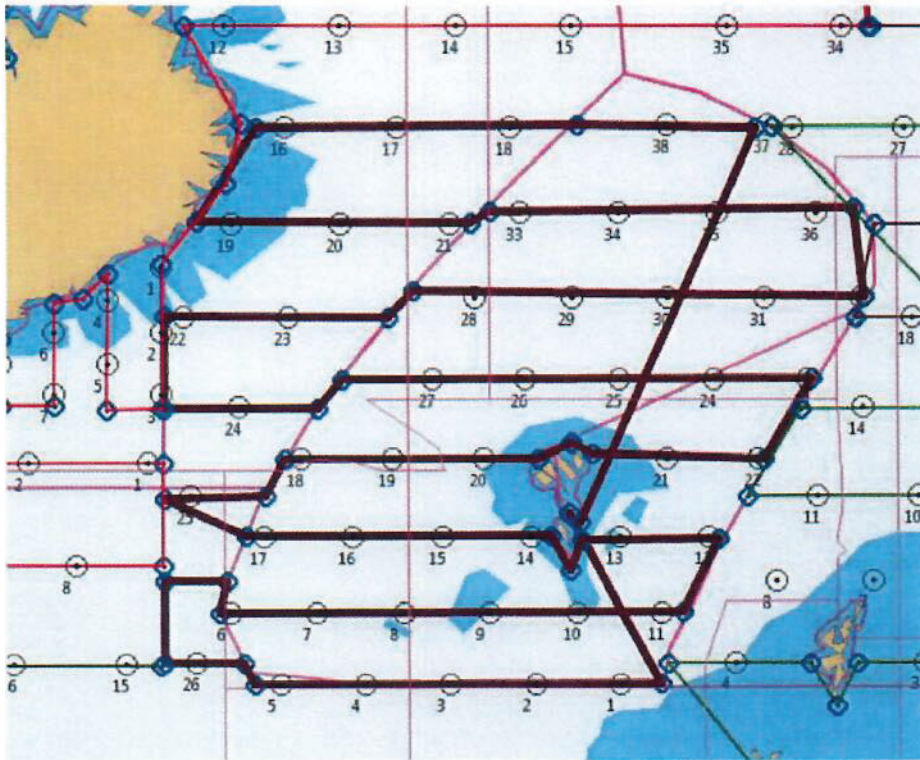
| <u>LIST SCIENTIFIC WORK BY FUNCTION</u> eg: magnetometry, gravity, diving, seismics, bathymetry, sea bed sampling, trawling, echo sounding, water sampling, u/w TV, moored instruments, towed instruments | Water column including sediment sampling of the sea bed | Fisheries research within fishing limits | 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

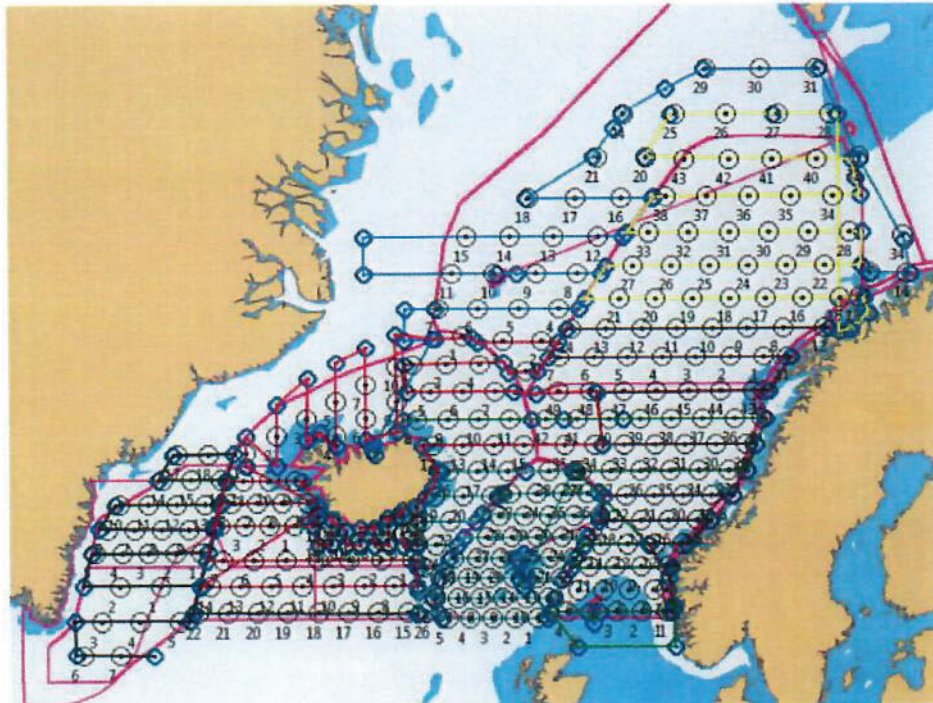


Dated 14 February 2018

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 cruise tracks for the Faroese vessel (dark red lines) during the IESSNS in July-August 2018. The coordination of the surveys is within the ICES WGIPS.



Map of total planned coverage (five vessels) during the IESSNS in July-August 2018.