

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

Date: 21.11.2005

1. General Information

- 1.1 Ship and cruise number:** Magnus Heinason Cruise 0636
- 1.2 Sponsoring institution:**
Name: Fiskirannsóknarstovan
Address: PO Box 3051, Nóatún, FO-110 Tórshavn
Faroe Islands
Name of director: Stein Hjalti í Jákupsstovu
- 1.3 Scientist in charge of project:**
Name: Hjalti í Jákupsstovu
Address: Fiskirannsóknarstovan
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. Hjálmar Vilhjálmsson
Address: Hafrannsóknarstofnun
P.O.Box 1390, Skúlagata 4
121 Reykjavík, Iceland
- 1.5 Submitting officer:**
Name: Hjalti í Jákupsstovu
Address: Fiskirannsóknarstovan
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. Further to monitor hydrographic conditions and plankton biomasses in the waters surrounding the Faroe Islands and in the Norwegian Sea.

2.2 Relevant previous or future research cruises:

| | | |
|------|-------------|-----------------|
| 2005 | 04.05-18.05 | Magnus Heinason |
| 2004 | 28.04-26.05 | Magnus Heinason |
| 2003 | 30.04-28.05 | Magnus Heinason |
| 2002 | 01.05-29.05 | Magnus Heinason |
| 2001 | 02.05-27.05 | Magnus Heinason |

2.3 Previously published research data relating to the project:

Hansen, B. and S.H.í Jákupsstovu 1992. Availability of blue whiting (*Micro-mesistius poutassou*) in Faroese waters in relation to hydrography. ICES Mar. Sci. Symp., 195: 349-360.

Report of the Planning Group on Surveys on Pelagic Fish in the Norwegian Sea. Holst *et al.* 2000. *ICES CM 2000/D:03* (Ref. ACFM).

Report on surveys of the distribution, abundance and migrations of the Norwegian spring-spawning herring, other pelagic fish and the environment of the Norwegian Sea and adjacent waters in late winter, spring and summer of 2001. Holst, *et al.* 2001. *ICES CM 2001/D:07* (Ref. ACFM).

Report of the Planning Group on Surveys on Pelagic Fish in the Norwegian Sea 2002. Jacobsen, J.A. *et al.* 2002. *ICES CM 2002/D:06* (Ref. ACFM).

Report of the Planning Group on Surveys on Pelagic Fish in the Norwegian Sea 2003. Jacobsen, J.A. *et al.* 2003. *ICES CM 2003/D:10* (Ref. ACFM).

Report of the Planning Group on Northeast Atlantic Pelagic Ecosystem Surveys (PGNAPES). Jacobsen, J.A. *et al.* 2004. *ICES CM 2004/D:07* (Ref. ACFM).

ICES 2005. Report of the Planning Group on Northeast Atlantic Pelagic Ecosystem Surveys (PGNAPES). Jacobsen, J.A. *et al.* 2005. *ICES CM 2005/D:09*

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: Fiskirannsóknarstovan
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):

Biological samples will be taken along cruise transects in the Norwegian Sea. The attached chart shows the cruise tracks in 2005 (M. Heinason black line), where trawl and plankton samples were taken (approximately 60 nm apart). In 2006 we expect to cover the Faroese area and the southern part of the Norwegian Sea, i.e. within the approximate area 62°00'N-66°00'N and 0°00'W-12°00'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.**

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 Icelandic waters for about one day on one or several occasions in the period, depending on the distribution of the targeted stocks:

Entry: 03.05.2006

Exit: 17.05.2006

- 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 and end 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:

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 data 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 instru- ments | Water column includ- ing 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 | No | No | No | Yes | No |
| Trawl sampling | Yes | Yes | No | No | Yes | No |

Hjalti í Jákupsstovu

Willi Fehrig

Dated 21. November 2005

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

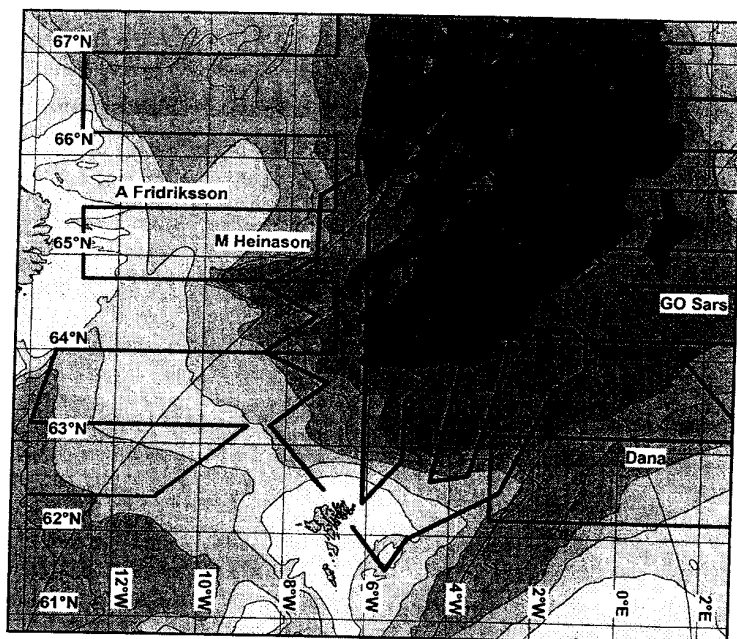


Chart with cruise tracks with CTD stations (circles) and trawl stations (numbers) in the Faroeese area and in the southern part of Norwegian Sea, *Magnus Heinason* 4-18/5 2005.