

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

Date: 15.02.2008

1. General Information

- 1.1 Ship and cruise number:** Magnus Heinason Cruise 0848
- 1.2 Sponsoring institution:**
Name: Fiskirannsóknarstovan
Address: PO Box 3051, Nóatún, FO-110 Tórshavn
 Faroe Islands
Name of director: Hjalti í Jákupsstovu
- 1.3 Scientist in charge of project:**
Name: Jan Arge Jacobsen
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: Árni Ísaksson
Address: Agricultural Authority of Iceland
 Austurvegur 64
 800 Selfoss, Iceland
arni.isaksson@mast.is
- 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

FISKIMÁLAFÁRNI

07. APR. 2008

UNR. 20070767/19-2301

2. Description of Project

2.1 Nature and objectives of the project:

The proposed survey is the second salmon sampling cruise of three in 2008 under the new EU funded project "SALSEA-Merge" within the EU FFP 7 – Advancing understanding of Atlantic Salmon at Sea: Merging Genetics and Ecology to resolve Stock-specific Migration and Distribution patterns. Project Number 212529, EU: "FP7-ENV-2007-1, ENV-2007-2.2.1-02: Ecology of important marine species". The total budget during 2008-2010 is € 5.51 (millions). Due to the declining abundance of salmon in many European rivers, this project was initiated with the main aim to understand factors affecting survival of salmon during their feeding phase at sea. The project is linked to International Atlantic Salmon Research Board (IASRB) through the North Atlantic Salmon Conservation Organisation (NASCO, www.nasco.int).

2.2 Relevant previous or future research cruises:

2002	23.10-30.10	Magnus Heinason
2003	22.10-29.10	Magnus Heinason
2004	03.11-10.11	Magnus Heinason
2009	01.07-15.07	Magnus Heinason

2.3 Previously published research data relating to the project:

Hansen, L. P., and Jacobsen, J. A. 2003. Origin, migration and growth of wild and escaped farmed Atlantic salmon, *Salmo salar* L., in oceanic areas north of the Faroe Islands. *ICES Journal of Marine Science*, 60 (1): 110-119.

Holm, M., Jacobsen, J. A., Sturlaugsson, J., and Holst, J. C. 2006. Behaviour of Atlantic salmon (*Salmo salar* L.) recorded by data storage tags in the NE Atlantic - implications for interception by pelagic trawls. *ICES CM 2006/Q: 12*, 16 pp.

Jacobsen, J. A., Lund, R. A., Hansen, L. P., and O'Maoileidigh, N. 2001. Seasonal differences in the origin of Atlantic salmon (*Salmo salar* L.) in the Norwegian Sea based on estimates from age structures and tag recaptures. *Fisheries Research*, 52 (3): 169-177.

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	Vertica & horizontal hauls	Plankton net and plankton trawl
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):

Plankton and fish will be sampled along the cruise transects shown in area 2 indicated in the attached chart, i.e. within the approximate area 65°00'N-68°00'N and 7°00'W-3°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:

It is not certain that the vessel will enter the Icelandic waters, but if so it will be sporadically (once or twice), depending on the distribution of the targeted species:

Entry: 05.07.2008

Exit: 15.07.2008

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:

Within six months from conclusion of cruise.

9.2 Proposed means for access by Iceland to data and samples:

By cruise report – preliminary data.

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 will be submitted to the Consortium (and active participants in this project) within the present EU project, and after the project finishes submitted by public project reports.

9.4 Proposed means of making research results internationally available:

In published journals and through NASCO symposium and ICES Working Group reports.

10. Scientific Equipment

Coastal State Iceland

Port Call No

Indicate "Yes" or "No"

Dates N/A

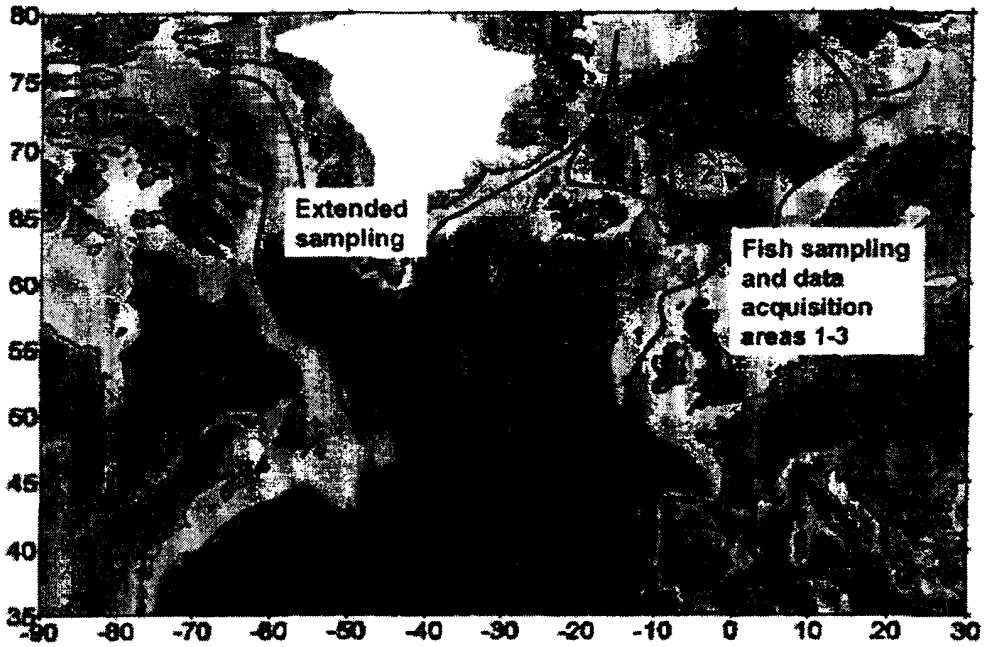
<u>LIST SCIENTIFIC WORK BY FUNCTION</u> eg: magnetometry, gravity, diving, seismics, bathymetry, sea bed sampling, trawling, echo sounding, water sampling, w/w TV, moored instruments, towed instruments	Water column including sediment sampling of the sea bed	Fisheries research within fishing limits	Research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

Hjalte i Jákupsstovu

Hjalte i Jákupsstovu

Dated 2. April 2008

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



Location of proposed salmon sampling areas in the North Atlantic in 2008 and 2009. The Faroese cruises in July 2008 and 2009 are in the area north of the Faroes (Area 2).

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Address: Agricultural Authority of Iceland
Austurvegur 64
800 Selfoss, Iceland
arni.isaksson@mast.is
- 1.5 Submitting officer:**
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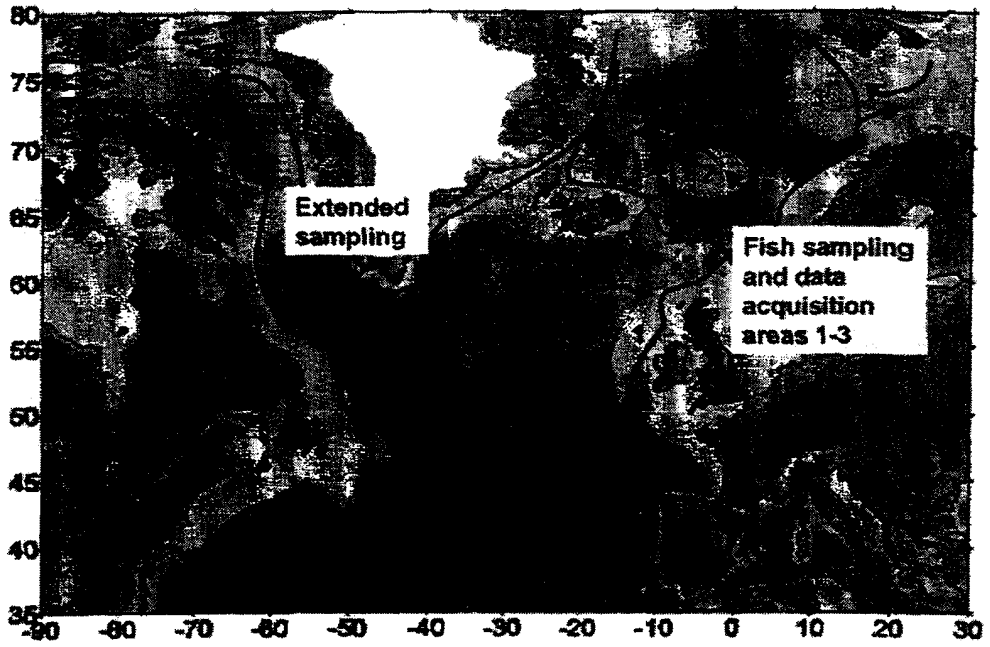
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