

<b>NOTIFICATION OF PROPOSED RESEARCH CRUISE</b>
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**GENERAL****Part A**

1. Name of research ship: PAAMIUT      Cruise no. 6
2. Dates of cruise:      From: 1/10 - 2006      To: 5/10 - 2006
3. Operating Authority:      Greenland Institute of Natural Resources  
P.O.Box 570  
DK-3900 Nuuk, Greenland
4. Owner (if different from para 3):
5. Particulars of ship:
- |                                    |  |
|------------------------------------|--|
| <b>Name:</b>                       | PAAMIUT, GR 6-251  |
| <b>Nationality:</b>                | Greenland  |
| <b>Classification</b>              | Det Norske Veritas   |
| <b>(Register &amp; Ice-class):</b> | 1.A.1 ICE A  |
| <b>Overall length:</b>             | 59 M   |
| <b>Maximum draught:</b>            | 4.2 M  |
| <b>Nett tonnage:</b>               | 173  |
| <b>Propulsion:</b>                 | Diesel 2000 BHP  |
| <b>Fuel type &amp; capacity:</b>   | Diesel 357 M <sup>3</sup>  |
| <b>Call sign:</b>                  | OYZC   |
| <b>Telefon:</b>                    | 00871 1610324  |
| <b>Immarsat:</b>                   | <a href="mailto:433110410@inmc.eik.com">433110410@inmc.eik.com</a>   |
| <b>E-mail:</b>                     | <a href="mailto:bro.Paamiut@SkyFile.com">bro.Paamiut@SkyFile.com</a> |
6. Crew:
- |                        |                    |
|------------------------|--------------------|
| <b>Name of master:</b> | Børge Sylow Madsen |
| <b>No. of crew:</b>    | 15                 |
7. Scientific Personnel: Name & address of  
Scientist in charge:
- Ole Ankjær Jørgensen  
Danish Institute for Fisheries Research  
Charlottenlund Slot  
2900 Charlottenlund/  
Greenland Institute of Natural Resources  
P.O.Box 570  
DK-3900 Nuuk, Greenland
- No. of scientists:** 7
8. Geographical area in which ship will operate (with reference in latitude and longitude): Within Iceland EEZ mainly north of 65°N at depths between 350 and 1300 m

**9. Brief description of purpose of cruise:** Calibration of fishing power between Greenland Research Vessel Paamiut and Iceland Research vessel Arni Fredriksson in order to improve the comparability between groundfish surveys in Greenland and Iceland waters.

**10. Brief description of intended ports of call:** No Icelandic Ports

**11. Any special logistic requirements at ports of call:** -

<b>N O T I F I C A T I O N OF PROPOSED RESEARCH CRUISE</b>
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**DETAIL**

**Part B**

- 1. Name of research ship:** PAAMIUT      **Cruise no.** 6  
**2. Dates of cruise:**      **From:** 1/10 - 2006      **To:** 5/10 - 2006

**3. Purpose of research and general operational methods**

The Greenland halibut stock at East Greenland and Iceland is considered a common stock. The management advice for the stock is formulated by ICES Northwestern Working Group (NWWG). Greenland and Iceland have conducted bottom trawl surveys in their national waters for a number of years, but NWWG finds it difficult to evaluate the trends and compare the results of the two surveys because they are conducted with different vessels and gear. By means of parallel trawling with bottom otter trawl between the Greenland Research vessel Paamiut and the Iceland Research vessel Arni Fredriksson it will be possible to compare the catchability of Greenland halibut by the two vessels and hence adjust the survey results from Greenland and Icelandic waters in order to make the results comparable.

The experiment is conducted in close cooperation with Marine Research Institute (MIR) in connection to MIR's annual autumn groundfish survey and trawling will take place at MIR's fixed stations.

There has been allocated three days to the experiment and it is expected to cover 20-30 fixed stations. Each trawl haul will last 30 min. The total catch is likely to be less than 10 tons.

Prior to the experiment Paamiut is operating in Greenland waters close to the area where the Icelandic survey is taking place. It is, however, not likely that we will have this opportunity to make comparative hauls between the two vessels, at a relatively low cost, within a foreseeable future.

**4. Attach table showing positions of relevant stations.**

Which stations that will be covered will depend on Arni Fredriksson's final cruise plan.

from the coastal state for any part of the cruise and dates and ports of embarkation/disembarkation.

Yes, but early notice will be appreciated.

- (c) When research data from intended cruise is likely to be made available to the coastal state and if so by what means.

Results will be presented as research documents to ICES Northwestern Working Group and Marine Research Institute will have a copy of all data.

### SCIENTIFIC EQUIPMENT

11. Complete the following table  
SEPARATE COPY FOR EACH COASTAL STATE

(INDICATE 'YES' OR 'NO')

List of all major Marine Scientific Equipment it is proposed to use and indicate waters in which it will be deployed	Within fishing limits	On continental Shelf	Distance from coast			
			Within 3 NM	Between 3-12 NM	Between 12-50 NM	Between 50-200 NM
Bottom otter trawl Seamon (temperature and salinity) (echo sounding to support trawl operations )	Yes	Yes	no	no	no	yes

**5. Types of samples required, e.g. Geological/Water/Plankton/Fish/Radioactivity/Isotope.**

Samples of Greenland halibut and major by-catch species for length, weight, age, sex and maturity.  
Hydrographic sampling (temperature and salinity).

**and methods by which samples will be obtained (including dredging/coring/drilling)**

Alfredo III Bottom otter trawl.  
Hydrography: Seamon sonde mounted on the trawl.

**6. Details of moored equipment:**

No such equipment

**7. Explosives:** None

- (a) Type and trade name
- (b) Chemical content
- (c) Dept of Trade class and stowage
- (d) Size
- (e) Depth of detonation
- (f) Frequency of detonation
- (g) Position in latitude and longitude
- (h) Dates of detonation

**8. Detail and reference of**

- (a) Any relevant previous/future cruises
- 

- (b) Any previously publishes research data relating to the proposed cruise (Attach separate sheet if necessary).
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**9. Names and addresses of scientists of the coastal state in whose waters the proposed cruise takes place with whom previous contact has been made.**

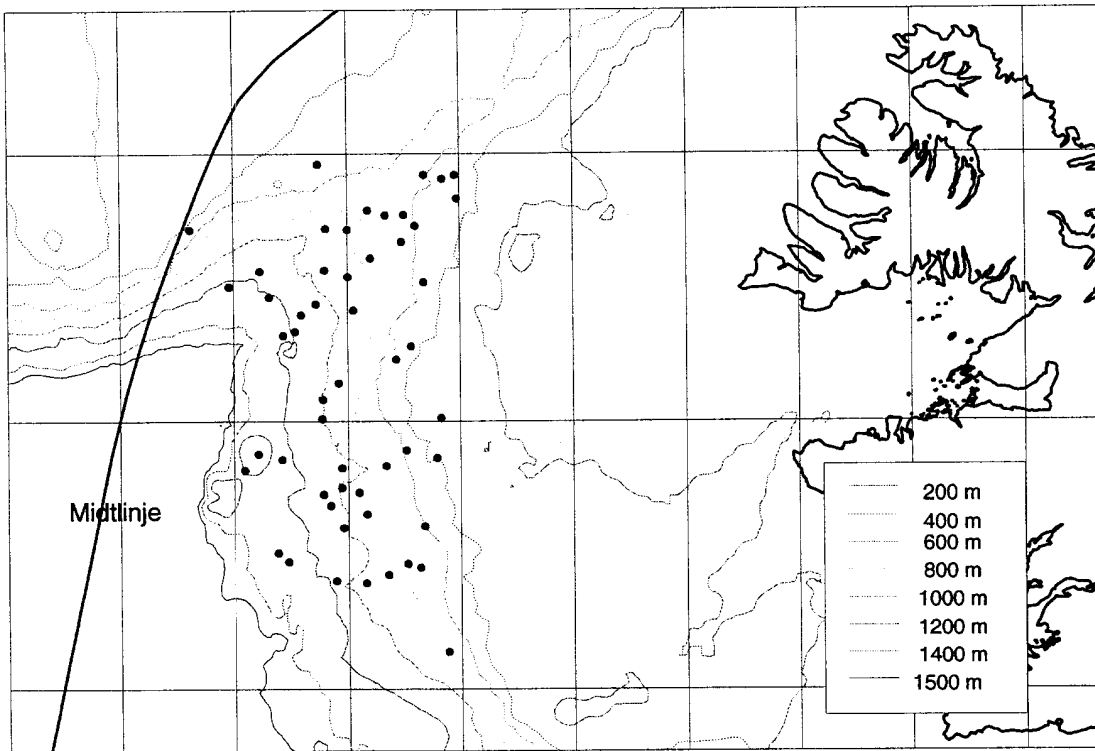
Cruise leader Kristján Kristinsson  
Hafrannsóknastofnunin (Marine Research Institute)  
Skúlagötu 4  
P.Box 1390, 121 Reykjavík  
Iceland  
Sími (Tel): -354-575-2000  
Fars (Cell): -354-867-5192  
Fax: -354-575-2001  
Tölvupóstur (Email): krik@hafro.is  
Netfang (Internet): www.hafro.is

**10. State:**

- (a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable.

Yes, but only Greenland ports to be called.

- (b) Whether it will be acceptable to carry on board an observer



Map over 53 potential trawl stations. Time only allows to cover about half of them. Which one depends on the Icelandic survey design.

List of potential trawl stations provided by Marine Research Institute.

Square	Tow nr.	Kastað N. breidd	Kastað V. lengd	Híft N. breidd	Híft V. lengd	Depth kst (m)	Depth híft (m)	Vir (fm)
427	1	642822	272874	642564	273228	776	833	835
427	3	642388	275096	642311	274425	917	924	950
427	41	642733	272185	643031	272265	721	712	700
427	51	642570	273900	642850	274120	840	824	880
427	52	640840	270720	641040	271210	753	771	750
428	2	642434	280670	642545	281315	1189	1180	1220
428	3	643070	283725	642817	284098	1299	1277	1235
428	41	642871	283181	643166	283055	1244	1272	1200
477	1	643935	275038	644234	274985	942	897	920
477	21	645000	274000	645300	274000			
477	51	645350	272920	645060	272740	567	568	650
477	52	644410	275450	644100	275440	1029	1020	1150
477	61	643670	271960	643430	272350	608	662	700
477	71	645180	271280	645480	271390	386	357	450
478	3	644517	280360	644570	281053	1050	1082	1070
478	4	644950	280355	644650	280389	1091	1107	1070
478	5	643633	280271	643334	280328	1014	1050	1050
478	6	644122	280949	644264	280330	1098	1078	1020
478	7	644364	281330	644070	281467	1089	1089	1100
478	41	644903	285464	645191	285267	1001	999	1050
478	42	645143	283495	645391	283097	1276	1208	1100
478	44	645269	284742	645009	284391	1047	1116	1050
527	2	651673	272647	651910	273086	461	544	495
527	42	651384	273443	651462	272752	582	478	500
527	71	650070	271050	650250	270440	296	246	416
528	1	650480	281343	650771	281168	1025	1032	1000
528	2	652007	282783	651746	283136	1155	1168	1200
528	3	652381	282458	652104	282180	1078	1113	1100
528	4	652776	284142	653071	284270	1199	1140	1250
528	5	652624	281685	652591	282402	1038	1052	1100
528	6	650849	280503	651106	280135	952	922	970
528	7	652482	275712	652596	280379	884	937	1000
528	8	651917	283413	652062	284042	1248	1281	1280
528	9	650050	281377	650350	281390	1047	1028	1000
529	21	653011	290247	652756	285865	1274	1173	1250
577	1	653110	271957	653391	271701	503	487	500
577	2	655522	270275	655816	270417	673	542	530
577	4	654631	273000	654712	272296	611	567	567
577	5	654380	272402	654240	273047	582	690	600
577	6	655439	270944	655348	271644	522	578	550
577	7	654022	273141	653860	273754	640	701	620
577	8	654994	270169	655293	270125	456	468	440
577	9	655530	271910	655380	272510	622	688	700
577	10	653650	274802	653427	275288	727	787	750
577	11	653233	280006	653088	275373	834	818	850
577	12	654731	274937	654818	274237	747	727	770
577	41	654624	273993	654624	273262	699	631	670
577	42	654296	280019	654395	275330	816	765	805
578	3	655770	281551	655512	281177	479	544	550
578	4	654320	281158	654166	280532	888	873	950
578	6	653356	284634	653477	285298	1145	1105	1225
578	7	653381	281228	653371	280503	884	919	920
579	1	654298	292302	654589	292123	421	377	450
<b>Total</b>								