

A

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL1. NAME OF RESEARCH SHIP: "G.O.SARS" CRUISE NO.2. DATES OF CRUISE From: 20. June-0~~3~~⁶ To: 09. July - 0~~3~~⁶3. OPERATING AUTHORITY: Institute of Marine Research
P.O.Box 1870 Nordnes
N-5817 BERGEN NORWAYTELEPHONE: 47-55238500
TELEFAX : 47-55238531
TELEX: 42297 OCEAN N4. OWNER
(if different from
no. 3)5. PARTICULARS OF SHIP: Name: "G.O. SARS"
Nationality: Norwegian
Overall length: 77.5 metres
Maximum draught: 7.30 metres
GRT : 4067 tonnes
Propulsion: DC-Electric
Call sign: LMEL
Registration port and number
(if registered fishing vessel):
Bergen
Telephone: +47 55906440
Telefax:: +47 55906441
E-mail: GOSars@IMR.no6. CREW Name of master: John Hugo Johnsen/Preben Vindenes
Number of crew: 15

B

7. SCIENTIFIC PERSONNEL Name and adress of
 scientist in charge: Trond Dokken
 Bjerknes Centre for Climate Research
 University of Bergen
 Allegt. 41
 N-5007 BERGEN NORWAY
 e-mail: trond.dokken@bjerknes.uib.no
- Tel/telex/fax no.: +47 55589801 (office)
 +47 97564402 (mobil)
 +47 55584330 (Fax)
- No. of scientists: 10
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference to latitude and longitude)
 The ship will leave Reykavik (Iceland) 20. June with transit to South Greenland in an area called Erik Drift. Here we will work in the area limited by the following coordinates: 55°00.00N to 60°00.00N and 40°00.00W to 50°00.00W. From Erik drift there will be transit in the direction of Gardar Drift, limited by 53°00.00N - 63°00.00N and 21°00.00W - 35°00.00W. From Gardar the ship will go to Faroe Island and to port in Torshavn for exchange of some of the scientific crew. This will be 1. July. From Faroe Island the ship will operate in a transect North of Faroe Island along the longitude 6W from about 63°N to 65N. From there we will have transit to Svinøy section from which the ship will operate in between 63°N to 66N and between 2°W and 5°E. After this the ship will have transit directly to Bergen and arrive port in Bergen during the morning of 9. July.
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE
- The main purpose of the cruise is to map the upper sediment sequence from the areas defines above. We will use the ship-board sub.bottom profiler system (TOPAS PS18). This is a high frequency profiling system which is penetrating the upper 100 meter of the sediment. In addition, ssome coring station will be selected from every region, from where we will collect relatively shallow sediment samples (from 50cm to about 20m), and also measuring salinity and temperature of the water coulumn.
10. DATES AND NAMES OF INTENDED PORTS OF CALL
- The cruise will start in Reykavik (Iceland). There will be a short stop-over in Torshavn (Faroe Island) 1. July.
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL
 We will need a long armed winch to lift the corer winch into the hangard at the port in Iceland

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PART B: DETAIL

1. NAME OF RESEARCH SHIP: "G.O. SARS" CRUISE NO.

2. DATES OF CRUISE From: To:

3. a) PURPOSE OF RESEARCH

Marine geological survey and sediment for studying the last glaciation and the deglaciation history of the Erik Drift, Gardar drift, Faroe margin and the Norwegian margin.

b) GENERAL OPERATIONAL METHODS (including full description of any fish gear, trawl type, mesh size, etc.)

Calypso piston corer (22 m long)
EM1002 Multibeam (hull mounted)
TOPAS parametric array (hull mounted)

4. ATTACH CHART showing (on an appropriate scale) the geographical area of intended work, The attached chart shows locations of working areas specified above.

5. a) TYPES OF SAMPLES REQUIRED (e.g., geological/water/plankton/fish/radionuclide).

Geological sediment
water samples for isotope measurements

b) METHODS OF OBTAINING SAMPLES (e.g., dredging/coring/drilling/fishing, etc. When using fishing gear, indicate fish stocks being worked, quantity of each species required, and quantity of fish to be retained on board)

Coring and water sample collector

6. DETAILS OF MOORED EQUIPMENT

<u>Dates</u>		<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
<u>Laying</u>	<u>Recovery</u>				

7. ANY HAZARDOUS MATERIALS (chemicals/explosives/gases/radioactives, etc.)

D

(Use separate sheet if necessary)

- a) Type and trade name NIL
- b) Chemical content (and formula) NIL
- c) IMO IMDG code (reference and UN no.) NIL
- d) Quantity and method of storage on board NIL
- e) If explosives give date(s) of detonation NIL

- Method of detonation
- Position of detonation
- Frequency of detonation
- Depth of detonation
- Size of explosive charge in kg.

8. DETAIL AND REFERENCE OF

a) Any relevant previous/future cruises

GS138-04 (FaroeShetland margin)

b) Any previously published research data relating to the proposed cruise

9. NAMED AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE

Bogi Hansen from the Faroe fishery department, Torshavn

10. STATE

a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable (Yes/No)
Yes

b) Participation of an observer from the coastal state for any part of the cruise together with the dates and the ports for embarkation and disembarkation

Students and scientist have been invited to join us on the cruise.

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

Report in english after survey and coring

PART C. SCIENTIFIC EQUIPMENT

Complete the following table using a separate page for each coastal state

Coastal state: Faroe Island / Greenland (Denmark)

Port call:

Dates:

Indicate "YES or "NO"

<u>List scientific work by function</u>	<u>Distance from coast</u>					
e.g.						

E

Magnetometry Gravity Diving Seismics Seabed sampling Bathymetry Trawling Echo sounding Water sampling U/W TV Moored instr. Towed instr.	Water column including sediment sampling of the seabed	Fisheries research within fishing limits	Research concerning the natural resources of the continental shelf or its physical characteristics	Within 4 n.mi.	Between 4-12 n.mi.	Between 12 and 200 n.mi.
Mini Air gun	No	No	No	No	No	yes
Echo sounding/TOPAS	No	No	No	No	No	Yes
Sediment sampling	No	No	No	No	No	Yes

Bente E. Aardal
(On behalf of the Principal Scientist)



HAVFORSKNINGSINSTITUTTET
INSTITUTE OF MARINE RESEARCH
Rodericksjøen / Røstørre Vassal / Jostedal
P.O. Box 1870 Nesset - N-5817 Ålesund - N-5810

Dated 10th February 2006

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.

