

## NOTIFICATION OF PROPOSED RESEARCH CRUISE

### PART A: GENERAL

1. *NAME OF RESEARCH SHIP* "G.O.SARS" *CRUISE NO.* 2003111
2. *DATES OF CRUISE* From: 25/09/2003 To: 14/10/2003
3. *OPERATING AUTHORITY* Institute of Marine Research,  
P.O. Box 1870 Nordnes,  
N-5817 Bergen, Norway.  
  
Telephone: 47-55238500  
Facsimile: 47-55238531  
Telex: 42297 OCEANN
4. *OWNER*  
(if different from No. 3)
5. *PARTICULARS OF SHIP*  

<i>NAME:</i>	"G.O.SARS"
<i>NATIONALITY:</i>	Norwegian
<i>OVERALL LENGTH:</i>	77.5 metres
<i>MAXIMUM DRAUGHT:</i>	7,3 metres
<i>GRT:</i>	4067 tonnes
<i>PROPULSION:</i>	DC-Electric
<i>CALL SIGN:</i>	LMEL
<i>TELEPHONE:</i>	+47 55906440
<i>FAX:</i>	+47 55906440
<i>REGISTERED PORT &amp; NUMBER:</i> (if registered fishing vessel)	BERGEN
6. *CREW*  

<i>NAME OF MASTER:</i>	Einar Stronen
<i>NO. OF CREW:</i>	15
7. *SCIENTIFIC PERSONNEL*  

<i>NAME AND ADDRESS OF SCIENTIST IN CHARGE:</i>	Dr. Prof. Truls Johannessen, Geophysical Inst. and the Bjerknes Centre for Climate Research, University of Bergen, Allogt. 70, 5007 Bergen, Norway
<i>TEL./TELEX/FAX NO:</i>	(47)55584327/2602/(47)55584330
<i>NUMBER OF SCIENTISTS:</i>	17
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*  
(with reference to latitude and longitude)  

Greenland Sea 75deg N as close to the sea ice as possible, approximately 13 deg W  
North of Iceland (in general we might get into Icelandic national waters all around the island)  
Denmark Strait  
South of Iceland  
Iceland, Faeroe and Shetland Ridge  
Faeroe and Shetland Channel  
Faeroe Bank Channel

9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*

This cruise is related to the EU-project TRACTOR, the national PROCLIM project and is also part of a joint Norwegian and UK cooperation initiated between the two countries' ministers of environment. The purpose is to map the distribution of SF6 and is a follow up cruise after the tracer release experiment. The experiment started in 1996 as a joint effort between researchers from Iceland, UK, Sweden, Denmark and Norway. Inorganic carbon variables will be measured, together with the general physics (CTD and LADCP).

10. *DATES AND NAMES OF INTENDED PORTS OF CALL*

Reikjavik, 06 October 2003

11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*

None

## NOTIFICATION OF PROPOSED RESEARCH CRUISE

### PART B: DETAIL

1. *NAME OF RESEARCH SHIP* "G.O.SARS" *CRUISE NO.* 2003111
2. *DATES OF CRUISE* From: 25/09/2003 To: 14/10/2003
3. *a) PURPOSE OF RESEARCH*  
Water samples, multibeam, CTD and LADCP  
  
*b) GENERAL OPERATIONAL METHODS*  
(including full description of any fishing gear trawl type, mesh size, etc.)  
CTD  
Acoustics EK60 echosounder, sonars  
Water samples, Rosette
4. *ATTACH CHART*  
(showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished)  
You will find this as an attachment
5. *a) TYPES OF SAMPLES REQUIRED*  
(e.g. Geological/Water/Plankton/Fish/Radionuclide)  
Water  
  
*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, quantify of fish to be retained on board)  
CTD-Rosette sampler
6. *DETAILS OF MOORED EQUIPMENT*  
*DATES:* None  

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
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7. *ANY HAZARDOUS MATERIALS*  
(Chemicals, Explosives, Gases, Radioactive etc)  
(use separate sheet, if necessary)  
None
  - a) *TYPE AND TRADE NAME*
  - b) *CHEMICAL CONTENT (& FORMULA)*
  - c) *IMO IMDG CODE REFERENCE & UN. NO.*
  - d) *QUANTITY & METHOD OF STOWAGE ON BOARD*

e) *IF EXPLOSIVES GIVE DATE(S) OF DETONATION*

- *Method of detonation*
- *Position of detonation*
- *Frequency of detonation*
- *Depth of detonation*
- *Size of explosive charge in Kgs*

8. *DETAIL & REFERENCE OF*

a) *ANY RELEVANT PREVIOUS/FUTURE CRUISES*

b) *ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE*

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

Prof. Andrew J. Watson,  
School of Environmental Sciences,  
University of East Anglia,  
Norwich,  
NR4 7TJ,  
United Kingdom

Email: a.watson@uea.ac.uk or a.j.watson@uea.ac.uk  
Tel: +44 (0)1603 593761 (direct); +44 (0)1603 456161 (switchboard)  
Fax: +44 (0)1603 507719

Janns Larsen,  
Marine Data Scientist,  
International Council for the Exploration of the Sea,  
Palaegade 2-4,  
1261 Copenhagen K,  
Denmark.

Tel: +45 33 15 26 77 (tone) 251 (direct); +45 33 15 42 25 (operator)  
Fax: +45 33 93 42 15

Prof. Jon Olafsson (will participate in the cruise)  
MRI - Marine Research Institute,  
Skulagata 4,  
IS-121 Reykjavik,  
Iceland.

Email: jon@hanfra.is  
Tel: +354 552 0240  
Fax: +354 562 3790

10. STATE

a) *WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED WILL BE ACCEPTABLE*

Yes

*b) PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND PORTS FOR EMBARKATION/DISEMBARKATION*

No

*c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS*

Report in Norwegian after survey and report to ICES Working Group on the assessment of mackerel, horse mackerel, sardine and anchovy in 2004.

**PART C: SCIENTIFIC EQUIPMENT**

COASTAL STATE: UK, Denmark and Iceland

PORT CALL: Reykjavik

DATES: 06 October 2003

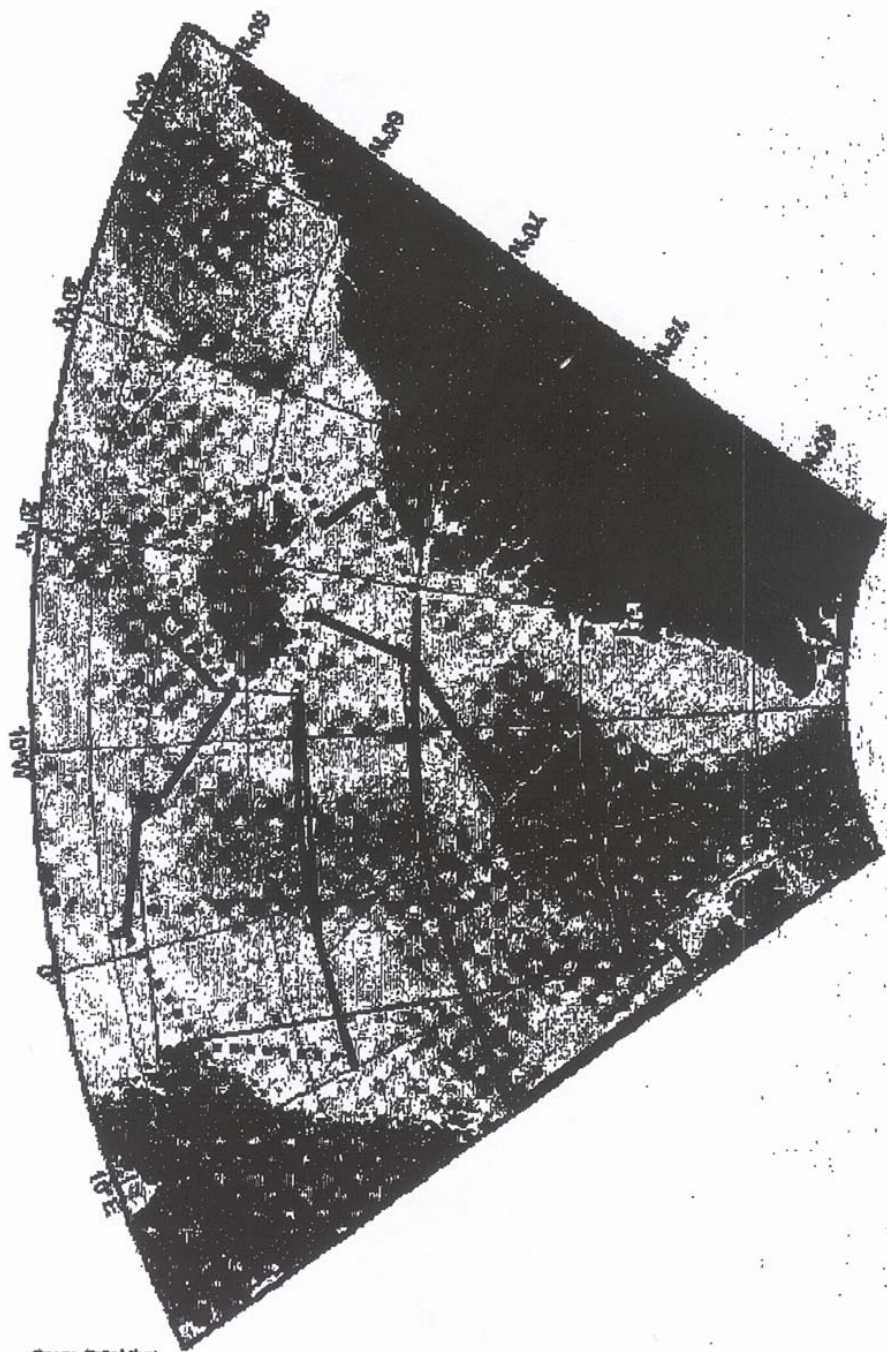
11. COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR EACH COASTAL STATE  
(indicate "Yes" or "No")

LIST SCIENTIFIC WORK BY FUNCTION e.g. MAGNETOMETRY GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TOWED INSTRUMENTS	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	DISTANCE FROM COAST		
				WITHIN 4 NM	BETWEEN 4 AND 12 NM	BETWEEN 12 AND 200 NM
Trawling	No	No	No	No	Yes	Yes
Echo sounding	No	No	No	Yes	Yes	Yes
Water sampling	No	No	No	No	Yes	Yes

(On behalf of the Principal Scientist)

Dated: 10 September 2003

**N.B. 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.**



Ocean Data View

"G.O.SARS" Cruise no.200311.25.09.-14.10.03