

## NOTIFICATION OF PROPOSED RESEARCH CRUISE

### PART A: GENERAL

1. *NAME OF RESEARCH SHIP* "G.O.SARS" *CRUISE NO.* 2002015
2. *DATES OF CRUISE* From: 27/10/2002 To: 03/11/2002
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>	70,0 metres
<i>MAXIMUM DRAUGHT:</i>	7,5 metres
<i>NET TONNAGE:</i>	346
<i>PROPULSION:</i>	Diesel
<i>CALL SIGN:</i>	LLZG
<i>REGISTERED PORT &amp; NUMBER:</i> (if registered fishing vessel)	BERGEN
6. *CREW*  

<i>NAME OF MASTER:</i>	Oyssein Ormbostad
<i>NO. OF CREW:</i>	14
7. *SCIENTIFIC PERSONNEL*  

<i>NAME AND ADDRESS OF SCIENTIST IN CHARGE:</i>	Dankert Skagen, Institute of Marine Research, P.O. Box 1870 Nordnes, N-5817 Bergen, Norway
<i>TEL./TELEX/FAX NO:</i>	(47)55238419/42297/(47)55238555
<i>NUMBER OF SCIENTISTS:</i>	7
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*  
(with reference to latitude and longitude)  
Northern North Sea, Southern Norwegian Sea, Waters NW of Scotland  
Outline:  
63deg N at Norwegian coast  
63deg N, 2deg W  
62deg N, 2deg W  
62deg N, 3deg W  
61deg N, 3deg W  
61deg N, 4deg W  
60deg N, 4deg W  
60deg N, 10deg W  
58deg N, 10deg W  
58deg N, Scottish Mainland  
57deg N, Scottish East coast  
Norwegian coast, 6deg E

9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*

Acoustic measurement of mackerel and horse mackerel abundance

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

Lerwick, approx. 30 October 2002

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. 2002015
2. DATES OF CRUISE From: 27/10/2002 To: 03/11/2002
3. a) PURPOSE OF RESEARCH  
Acoustic measurement of mackerel and horse mackerel abundance.  
  
b) GENERAL OPERATIONAL METHODS  
(including full description of any fishing gear trawl type, mesh size, etc.)  
Pelagic trawls, fine mesh  
CTD  
Acoustics EK500 echosounder, SA950 sonar
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)
5. a) TYPES OF SAMPLES REQUIRED  
(e.g. Geological/Water/Plankton/Fish/Radionuclide)  
Fish  
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)  
Fishing: pelagic trawling at registrations; normal travel duration 30 mins  
Water samples: trawl stations
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*

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 2003

**PART C: SCIENTIFIC EQUIPMENT**

COASTAL STATE: United Kingdom  
 PORT CALL: Lerwick  
 DATES: 30 October (approx.)

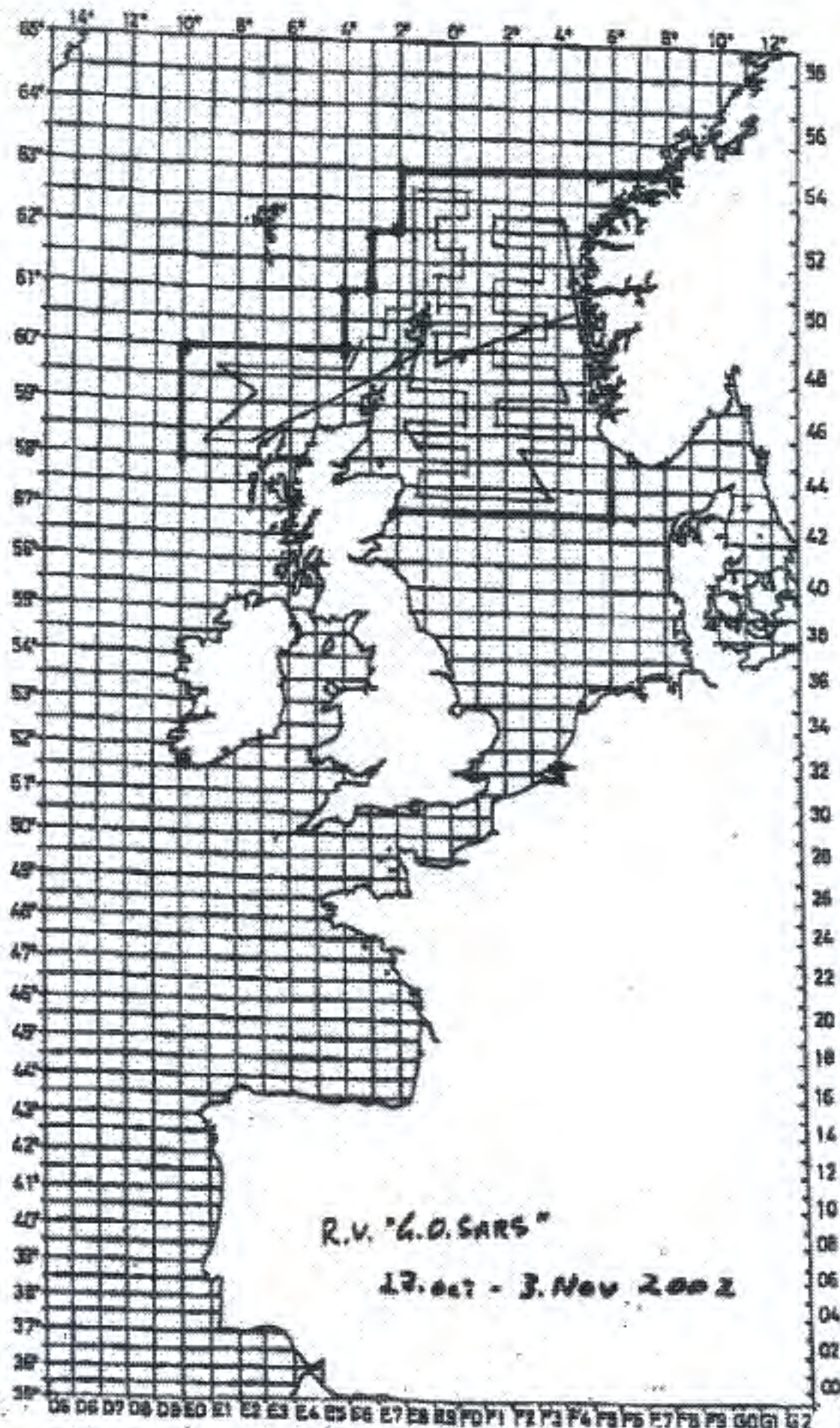
11. COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR EACH COASTAL STATE  
 (indicate "Yes" or "No")

				DISTANCE FROM COAST		
				WITHIN 4 NM	BETWEEN 4 AND 12 NM	BETWEEN 12 AND 200 NM
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			
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: 04 October 2002

**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.**



R.V. "G.O. SARS"

17. Oct - 3. Nov 2002

06 08 09 08 08E0 E1 E2 E3 E4 E5 E6 E7 E8 E9 F0 F1 F2 F3 F4 F5 F6 F7 F8 F9 G0 G1 G2

8/5