

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. *NAME OF RESEARCH SHIP* "G.O.Sars" *CRUISE NO.* 2005114
2. *DATES OF CRUISE* From: 26 Oct 2005 To: 16 Dec 2005
3. *OPERATING AUTHORITY* Institute of Marine Research
P.O. Box 1870 Nordnes
N-5871 BERGEN NORWAY

Telephone: 47-55238500
Facsimile: 47-55238531
Telex: 42297 OCEAN N
4. *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
TELEPHONE: +47 55906440
FAX: +47 55906441
REGISTERED PORT & NUMBER:
(if registered fishing vessel)
6. *CREW*
NAME OF MASTER: John Hugo Johnsen/Preben Vindenes
NO. OF CREW: 15
7. *SCIENTIFIC PERSONNEL*
NAME AND ADDRESS OF SCIENTIST IN CHARGE: Aril Slotte
Institute of Marine Science
P.O. Box 1870 Nordnes
N-5871 BERGEN NORWAY

TEL./TELEX/FAX NO: (47)55238422/42297/(47)5538687

NUMBER OF SCIENTISTS: 10
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*
(with reference to latitude and longitude)
Southern Norwegian Sea, North Sea, Skagerrak, Kattegat
Outline:
52°N – 62°N
04°W – 13°E

9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*

Environmental and ecological investigation including water sampling (nutrients, hydrography), zooplankton sampling, fish sampling by trawling and acoustic measurements of mackerel and herring.

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

Bergen. 7 November

Lerwick approximately 11 November

Stavanger, 19 November

Oslo, 5 December

Oslo, 14 December

11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*

None

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PART B: DETAIL

1. *NAME OF RESEARCH SHIP* "G.O.Sars" *CRUISE NO.* 2005114

2. *DATES OF CRUISE* From: 26 Oct 2005 To: 16 Dec 2005

3. a) *PURPOSE OF RESEARCH*

Study the chemical oceanography, distribution and transport of nutrients and sampling for measurements of radioactivity. Estimate the zooplankton biomass and diversity. Estimate the distribution and abundance of Mackerel and Herring. Study the feeding ecology of Mackerel, Herring and Groundfish.

b) *GENERAL OPERATIONAL METHODS*

(including full description of any fishing gear trawl type, mesh size, etc.)

Pelagic trawls

Bottom trawls

MOCNESS (plankton sampler)

CTD

Acoustics EK60 echo sounder, SONARs, TOPAS parametric array.

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)

The attached chart shows the 2000 survey area, which is approx. the same area expected to be covered in 2005.

5. a) *TYPES OF SAMPLES REQUIRED*

(e.g. Geological/Water/Plankton/Fish/Radionuclide)

Fish

Zooplankton

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 and bottom trawling at registrations. Normal trawl duration 30 mins.

Plankton: 1m²-MOCNESS and WP-II vertical net.

Water Samples: Trawl stations.

6. *DETAILS OF MOORED EQUIPMENT*

DATES:

<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* None

(Chemicals, Explosives, Gases, Radioactive etc)

(use separate sheet, if necessary)

- 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 English after survey will be available on IMR's internet site, report to ICES Working group on the assessment of Mackerel, Horse Mackerel, Sardine and Anchovy in 2006, report to the North Sea Herring working group in 2006.

PART C: SCIENTIFIC EQUIPMENTCOASTAL STATE: UK, NL, DK, Sweden and
Germany

PORT CALL: Lerwick

DATES: November 11 (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: May 9, 2005

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.

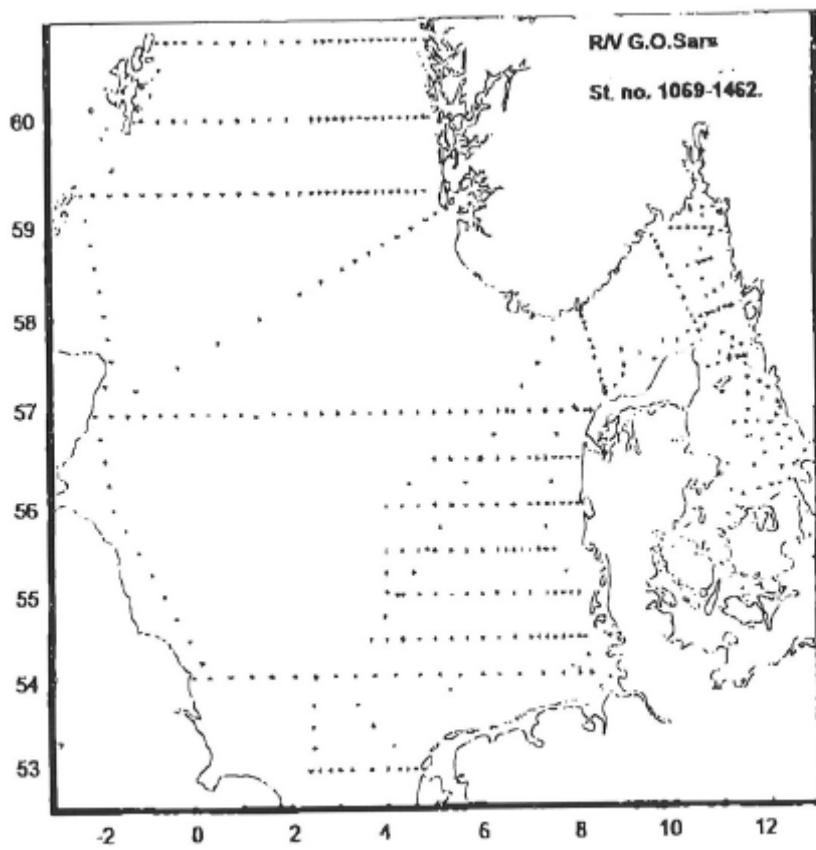


Fig. 1.