

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

- | | | | | |
|----|--|--|-------------------|-------------------|
| 1. | <u>NAME OF RESEARCH SHIP:</u> | "G.O.Sars" | <u>CRUISE NO.</u> | 2011103 |
| 2. | <u>DATES OF CRUISE</u> | From: | March 21, 2011 | To: April 7, 2011 |
| 3. | <u>OPERATING AUTHORITY:</u> | Institute of Marine Research
P.O.Box 1870 Nordnes
N-5817 BERGEN NORWAY | | |
| | <u>TELEPHONE:</u> | 47-55238500 | | |
| | <u>TELEFAX :</u> | 47-55238531 | | |
| | <u>TELEX:</u> | 42297 OCEAN N | | |
| 4. | <u>OWNER</u> (if different from no. 3) | | | |
| 5. | <u>PARTICULARS OF SHIP:</u> | Name: "G.O.Sars" | | |
| | | Nationality: Norwegian | | |
| | | Overall length: 77,5 metres | | |
| | | Maximum draught: 7,30 metres | | |
| | | Net tonnage: 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.no | |
| 6. | <u>CREW</u> | Name of master: Preben Vindenes/ John Hugo Johnsen | | |
| | | Number of crew: 16 | | |

7. SCIENTIFIC PERSONNEL

Name and address of
scientist in charge: Åge Høines
Institute of Marine Research
P.O. Box 1870 Nordnes
N-5817 BERGEN NORWAY

Tel/telex/fax no.: +47 55238674/+47 55238687

No. of scientists: 6

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference to latitude and longitude)

Area of operation is the Atlantic Ocean in the area west of Scotland (Hebrides), including work inside the UK EEZ.

55°N-59°N
15°W-5°W

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE

1) Acoustic assessment of the blue whiting spawning stock. The cruise is part of the international blue whiting survey coordinated through the ICES Planning Group on Northeast Atlantic Pelagic Ecosystem Surveys with participants from Ireland, the Netherlands, the Faroes, and Russia.

2) Observations on hydrography.

10. DATES AND NAMES OF INTENDED PORTS OF CALL

30.03.2011, Stornoway - Isle of Lewis

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL

No

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PART B: DETAIL

1. NAME OF RESEARCH SHIP: "G O Sars" CRUISE NO. 2011103
2. DATES OF CRUISE From 21 March 2011 To 7 April 2011

3. a) PURPOSE OF RESEARCH

The main purpose of the cruise is the assessment of the spawning stock size, distribution and migrations of blue whiting using acoustic methods combined with sampling with pelagic trawls. The cruise is part of an international coordinated blue whiting survey with vessels from the Netherlands, Ireland, the Faroes, Norway, and Russia participating. Information on other species such as argentinnes, mackerel and horse mackerel is collected upon encounter. The survey is coordinated by ICES Working Group on Northeast Atlantic Pelagic Ecosystem Surveys. The overarching plan of the survey is available in the web (<http://www.ices.dk/reports/SSGESST/2010/WGNAPES10.pdf>).
Hydrographic investigations by use of CTD sonde.

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

Echo sounding and pelagic trawling, CTD and plankton nets.

4. ATTACH CHART showing (on an appropriate scale) the geographical area of 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.

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

Fishing with pelagic trawl upon blue whiting, of which approx. 100 individuals/haul are required.

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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.
(Use separate sheet if necessary)

- | | |
|---|-------------|
| a) <u>Type and trade name</u> | None
NIL |
| b) <u>Chemical content</u> (and formula) | NIL |
| c) <u>IMO IMDG code</u> (reference and UN no.) | NIL |
| d) <u>Quantity and method of storage on board</u> | 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

Spring 1986-1996, 1998-2010 with Norwegian research vessels. A similar cruise for spring 2012 is planned.

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

Report of the Working Group on Northeast Atlantic Pelagic Ecosystem Surveys (WGNAPES). ICES CM 2010/SSGESST:20 Ref. SCICOM, WGISUR, ACOM ICES, Copenhagen.
Available at <http://www.ices.dk/reports/SSGESST/2010/WGNAPES10.pdf>

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

(See add. sheet)

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

Acceptable. Dates and ports to be closer settled if wanted by the coastal states.

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

April/May 2011, as cruise reports (one report for the international survey). The results will also be summarized in the report of ICES Working Group on Northeast Atlantic Pelagic Ecosystem Surveys, which will meet in 16-19 August 2011 in Kaliningrad, Russia.

PART C. SCIENTIFIC EQUIPMENT

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

Coastal state: U.K. and Ireland

Port call: 30.03.2011, Stornoway - Isle of Lewis

Indicate "YES or "NO"

Dates: 21 March-7 April 2011

				Distance from coast		
<u>List scientific work by function</u> e.g. 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 nm	Between 4-12nm	Between 12 and 200 nm
Trawling	0-600m	No	No	No	No	Yes
CTD sonde	0-1000m	No	No	No	No	Yes
Echo sounding (hull mounted)	n.a.	No	No	No	Yes	Yes
Moored instr. (fisheries acoustics)	n.a.	No	No	No	No	Yes
Towed instr. (fisheries acoustics)	n.a.	No	No	No	No	Yes



Operasjonsoffiser- Tom Ole Orange

(On behalf of Principal Scientist)

RESEARCH INSTITUTE OF MARINE SCIENCE
11, 1176 Nordnes - N-5024 Bodo

Dated 10.01.11

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.

Additional information for Part B: Detail

3.b) GENERAL OPERATIONAL METHODS

Echo sounding and trawling.

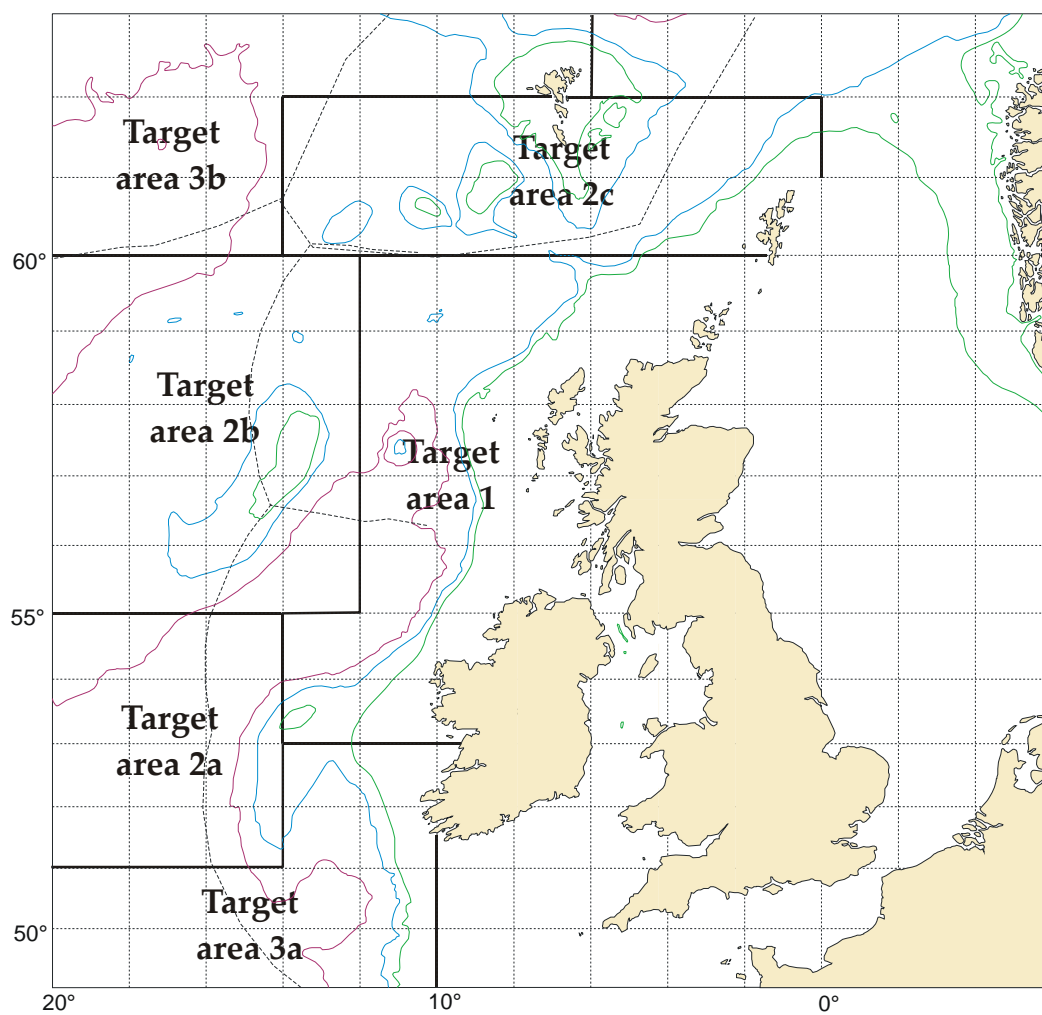
Pelagic trawl, circumference: 320 m
mesh size of innernet in cod end: 22mm
door size: 7,2 sq.m

Pelagic trawl, circumference: 538 m
mesh size of innernet in cod end: 22mm
door size: 7,2 sq.m

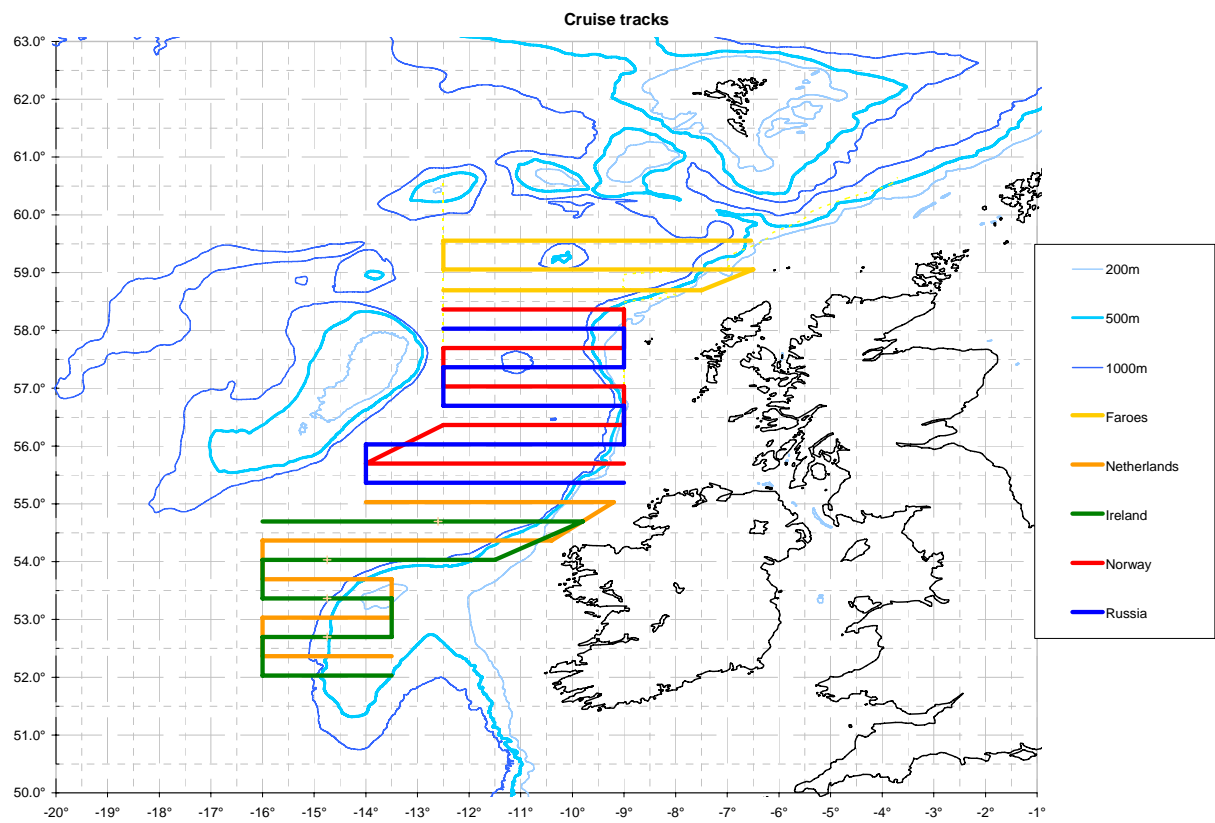
9. NAMES AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATES IN
WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM
PREVIOUS CONTACT HAS BEEN MADE

UK: John Simmonds
FRS Marine Laboratory
PO Box 101, 375 Victoria Road,
Aberdeen, AB11 9DB, Scotland

Ireland: Ciaran O'Donnell
Marine Institute
Rinville
Oranmore Co. Galway, Ireland



Target areas for the International blue whiting spawning stock surveys. G.O Sars is intended to work in area 1 and 2b.



Preliminary survey tracks for the 2011 International blue whiting spawning stock.