

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP: "G.O.SARS" CRUISE NO. 2006105

2. DATES OF CRUISE From: March 15, 2006 To: April 17, 2006

3. OPERATING AUTHORITY: Institute of Marine Research
P.O.Box 1870 Nordnes
N-5817 BERGEN NORWAY

TELEPHONE: 47-55238500
TELEFAX : 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: LMEU

Registration port and number
(if registered fishing vessel):
Bergen
Telephone: +47 55906440
Telefax:: +47 55906441
E-mail: GOSars@IMR.no

6. CREW Name of master: John Hugo Johnsen/Preben Vindenes

Number of crew: 15

7. SCIENTIFIC PERSONNEL Name and address of scientist in charge: Mikko Heino
Institute of Marine Research
P.O. Box 1870 Nordnes
N-5817 BERGEN NORWAY
- Tel/telex/fax no.: (47)55238500/42297/(47)55238687
- No. of scientists: 8
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference to latitude and longitude)
53°N-62°N
17°W-0°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.
2) Measurements of acoustic target strength of blue whiting.
3) Observations on plankton and hydrography.
10. DATES AND NAMES OF INTENDED PORTS OF CALL
Stomoway, 1-2 April
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL
No

NOTIFICATION OF PROPOSED RESEARCH CRUISEPART B: DETAIL

1. NAME OF RESEARCH SHIP: "G. O. Sars" CRUISE NO. 2006105
2. DATES OF CRUISE From 15 March 2006 To 17 April 2006

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 Faroes, Ireland, Norway, and Russia participating. Information on other species such as argentines, mackerel and horse mackerel is collected upon encounter. The survey is coordinated by ICES Planning Group on Northeast Atlantic Pelagic Ecosystem Surveys. The overarching plan of the survey is available in the web (<http://www.ices.dk/reports/RMC/2005/PGNAPES/pgnapes05.pdf>).

Hydrographic investigations by use of CTD sonde.

Observations on zooplankton by use of Juday-net.

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

Echo sounding and trawling (see add. sheet).

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/scabed equipment, areas to be fished
5. a) TYPES OF SAMPLES REQUIRED (e.g., geological/water/plankton/fish/radionuclide).

Fish/plankton/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, and quantity of fish to be retained on board

Fishing upon blue whiting, of which approx. 100 individuals/haul are required. Quantity of fish to be retained on board: nil.

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>				

Short-term (up to about 24 hours) mooring of acoustic equipment used for measuring the acoustic target strength of blue whiting. The exact places and times to be decided on the basis of registrations. Time for this task is reserved during the period 3-15.4.2006, after the port call to Stornoway, when the vessel is operating in Faroese/British EEZ (see the attached chart on planned cruise tracks).

7. ANY HAZARDOUS MATERIALS (chemicals/explosives/gases/radioactives, etc. (Use separate sheet if necessary)

None

- 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

Spring 1986-1996, 1998-2005. A similar cruise for spring 2007 is planned.

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

Heino, M., Søliland, H., Dahl, M., Pedersen, G., Alvarez, J., Anthonypillai, V., Hovland, T., de Lange, J., Meland, E. S., Myklevol, S., Svendsen, B. V., Tangen, Ø., Torkelsen, T., Stowasser, G. and Varnc, R. 2005. Blue whiting survey during spring 2005. Toktrapport/Havforskningsinstituttet/ISSN 1503-6294/Nr. 5 – 2005. http://www.imr.no/_data/page/5340/Nr.5_BlueWhitingSurvey2005.pdf

Heino, M., Søliland, H., Dahl, M., Alvarez, J., Anthonypillai, V., Tangen, Ø., Shnar, V., Malyshko, A., Sokolov, M., O'Donnell, C., Mullins, F., Power, G., Jacobsen, J. A., Smith, L., Oganin, I., Ratushnyy, S., Ybema, S., Bol, R., Warnerdam, M. and Dickey-Collas, M. 2005. International blue whiting spawning stock survey spring 2005. Toktrapport/Havforskningsinstituttet/ISSN 1503-6294/Nr. 9 – 2005. http://www.imr.no/_data/page/5340/Nr.9_International_Blue_whiting_spawning_stock_survey_spring_2005.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 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 2006, as cruise reports (one report for the international survey, one for the G O Sars separately). The results will also be summarized in the report of ICES Planning Group Planning Group on Northeast

Atlantic Pelagic Ecosystem Surveys, which will meet in 15-18 August 2006.

PART C. SCIENTIFIC EQUIPMENT

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


Coastal state: U.K., Ireland and Denmark

Port call: Stornoway

Indicate "YES" or "NO"

Dates: 15 March-17 April with port call on 1-2 April

<u>List scientific work by function</u>				Distance from coast		
				Within 4 nm	Between 4-12nm	Between 12 and 200 nm
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
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

Beate E. Aardal

 HAVFORSKNINGSINSTITUTTET
 INSTITUTE OF MARINE RESEARCH
 Rederestisjonen / Research Vessel Division
 P.O. Box 1576 Nydalen - N-5817 Bergen - Norway

..Beate. E. Aardal.....

(On behalf of the Principal Scientist)

Dated 24.11.2005

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: 85m x 150m
mesh size of innernet in cod end: 11mm
door size: 9 sq.m

Pelagic trawl, circumference: 450m
mesh size of innernet in cod end: 11mm
door size: 6 sq.m

Pelagic trawl, circumference: 18 x 18 fathoms
mesh size of innernet in cod end: 11mm
door size: 6 sq.m

Bottom trawl, circumference 1800/96 meshes
mesh size of innernet in cod end: 11mm
door size: 6 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

Ireland: Maurice Clarke
The Marine Institute
Galway Technology Park,
Parkmore, Galway

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

Faroe Islands: Jan Arge Jacobsen
Fiskirannsóknarstovan
PO Box 3051, Nóatún 1
110 Tórshavn

