



## ICES form - Notification of proposed research cruise

Ref.id.: KS&SMS-5-4-02

Standard

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1. NAME OF RESEARCH SHIP: G.O. Sars

CRUISE NO.: 2018106

2. DATES OF CRUISE

From: 4 June 2018 To: 24 June 2018

3. OPERATING AUTHORITY: Institute of Marine Research, Norway

TELEPHONE: +47 55238500

TELEFAX: NA

TELEX: NA

4. OWNER

(if different from no. 3)

5. PARTICULARS OF SHIP:

Name: G. O. Sars

Nationality: Norwegian

Overall length: 77,50 m

Maximum draught: 7,8 m

Net tonnage: 1220

Propulsion: Diesel-electric

Call sign: LMEL

Registration port and number (if registered fishing vessel): NA

6. CREW

Name of master: Preben Vindenes/ Svein-Roger Fredheim

Number of crew:

15

7. SCIENTIFIC PERSONNEL

Name and address of scientist in charge:

Webjørn Melle,



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Institute of Marine Research. P.O. Box 1870

Nordnes. NO-5817 Bergen, Norway

Tel/relex/fax no.: +47 93004245/+47 55906580

No. of scientists: 15

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

Northeast Atlantic: Coordinates encompassing working area are: (57.5° N, 30° W), (64° N, 30° W), (64° N, 9.5° W) and (57.5° N, 9.5° W).

**9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE**

Explore the distribution, abundance and ecology of mesopelagic resources of the Northeast Atlantic.

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

No ports of call during cruise

**11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL**

**1. Part B: Details**

**1. NAME OF RESEARCH SHIP: G.O. Sars**

**CRUISE NO.: 2018106**

**2. DATES OF CRUISE**

**From: 4 June**

**To: 24 June 2018**

3.

**PURPOSE OF RESEARCH:** Explore the distribution, abundance and ecology of mesopelagic resources of the Northeast Atlantic.

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

Hull mounted multifrequency Simrad EK 80 broadband acoustics, surface light, thermo-salinograph with fluorescence, CTD with water bottles, MOCNESS, towed platform with acoustics and F-CTD, finemeshed trawls (8 and 20 mm stretched meshes, 36-750 m<sup>2</sup> mouth opening, towed at 2 knots), Mulpelt pelagic fish trawl, deployment of buoy with acoustics (to be collected at the end of the cruise, no moorings). All station work including trawling down to 1000m.

4. **ATTACH CHART** showing (on an appropriate scale) the geographical area of intended work, positions 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) Nutrients, chlorophyll, plankton and fish. Genetics of plankton and fish. Stomach samples.
- b) METHODS OF OBTAINING SAMPLES (e.g., dredging/coring/drilling/fishing, etc. When using stocks being worked, quantity of each species required, and quantity of fish to be retained on board)  
Waterbottles on CTD, Moccuss plankton net, fine meshed trawls, Multipelt pelagic fish trawl.

## 6. DETAILS OF MOORED EQUIPMENT NO MOORINGS

Dates

Laying Recovery Description Depth Latitude Longitude

## 7. ANY HAZARDOUS MATERIALS (chemicals/explosives/gases/radioactives, etc.)

(Use separate sheet if necessary)

- 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 dates of detonation
  - 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  
EURO-BASIN cruise with "G.O. Sars" 2013.
- b) Any previously published research 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

Asthor Gíslason, Senior Scientist. Marine and Freshwater Research Institute, Skulagata 4, P.O. Box 1390, 121 Reykjavík, ICELAND.

## 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 for embarkation and disembarkation  
Yes
- c) When research data from the intended cruise are likely to be made available to the coastal state and by what means  
December 2018 in open access database.

## 2. **Part C. Scientific Equipment**

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

<u>Coastal state:</u> ICELAND	<u>Port of call:</u> No port of call
<u>Dates:</u> 4-24 June 2018	



				Distance from coast		
List scientific work by function				Within	Between	Between
Water samples for nutrients and chlorophyll (0-1000m)	Acoustics (0-1000m)	Samples of mesopelagic organisms by pelagic trawls and plankton net (0-1000m)	Hydrography by CTD (0-1000m)	4 nm	4-12 nm	12-200 nm

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(On behalf of the Principal Scientist)

Dated

10 April, 2018

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.

