



## ICES form - Notification of proposed research cruise

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

Standard

Side 1 av 6

1. **NAME OF RESEARCH SHIP:** G.O. Sars **CRUISE NO.:** 2019102
2. **DATES OF CRUISE** **From:** 05.02.2019 **To:** 03.03.2019
3. **OPERATING AUTHORITY:** Institute of Marine Research  
**TELEPHONE:** +47 5523 8500  
**TELEFAX:** +47 5523 8531  
**TELEX:**
4. **OWNER**  
(if different from no. 3)
5. **PARTICULARS OF SHIP:**

Name: G.O. Sars

Nationality: Norwegian

Overall length: 77.5 meters

Maximum draught: 7.3 meters

Net tonnage: 4067 tonnes

Propulsion: Diesel electric, 8100 kw

Call sign: LMEL

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

### 6. **CREW**

Name of master: Svein-Roger Fredheim / John Gerhard Aasen

Number of crew: 15

### 7. **SCIENTIFIC PERSONNEL**

Name and address of scientist in charge: Rupert Wienerroither

IMR, P.O. Box 1870 Nordnes, N-5817 Bergen

Tel/telex/fax no.: +47 5523 8512

Dokumenter kan skrives ut, men kun elektronisk versjon ansees som oppdatert og gyldig.

Dok.id: D03697 Versjon: 1.03

Forfatter: TOD

Godkjent av: PWN

Sist endret: 14.04.2016



No. of scientists: 10

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

northern North Sea, 56°N-62°N 02°W-09°E

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

IBTS, International Bottom Trawl Survey, coordinated by the ICES International Bottom Trawl Survey Working Group (IBTSWG). IBTS targets the following commercial fish species: herring, cod, haddock, whiting, saithe, Norway pout, mackerel, sprat. The main objective of the IBTS is to provide recruitment indices of these commercial fish species. Plankton nets (MIK) are used to get an early indication of the potential amount of young herring, other fish larvae and pelagic eggs. Parallel to trawling, hydrographic data (salinity, temperature) are collected.

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

None intended, but unplanned ports of call in Hanstholm may be necessary in bad weather conditions.

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

No.

## 1. Part B: Details

1. **NAME OF RESEARCH SHIP:** G.O. Sars      **CRUISE NO.:** 2019102

2. **DATES OF CRUISE**      **From:** 05.02.2019      **To:** 03.03.2019

3.

a) **PURPOSE OF RESEARCH:**

IBTS, International Bottom Trawl Survey, coordinated by the ICES International Bottom Trawl Survey Working Group (IBTSWG). IBTS targets the following commercial finfish species: herring, cod, haddock, whiting, saithe, Norway pout, mackerel, sprat. The main objective of the IBTS is to provide recruitment indices of these commercial fish species. Plankton nets (MIK) and beamtrawls are used to get an early indication of the potential amount of young herring, other fish larvae and pelagic eggs. Parallel to trawling, hydrographic data (salinity, temperature) are collected.

b) **GENERAL OPERATIONAL METHODS (including full description of any fish**

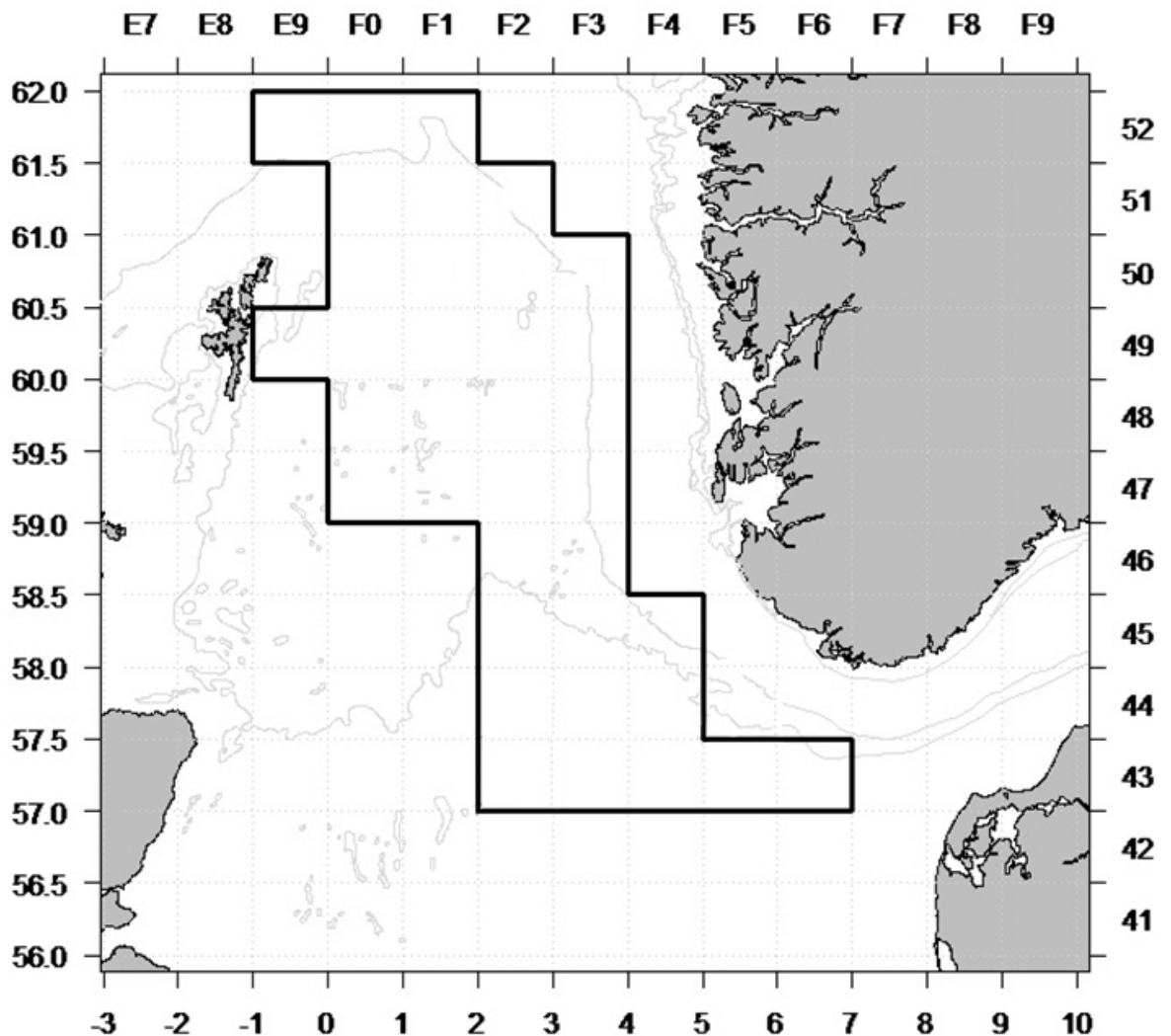


gear, trawl type, mesh size, etc.)

GOV bottom trawl, MIK-net, beamtrawl, water bottles, CTD

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

The vessel will operate within the rectangles outlined in black. Trawl positions in each rectangle must be random and will be decided on a daily basis during the survey.



5.  
a) TYPES OF SAMPLES REQUIRED (e.g.,



geological/water/plankton/fish/radionuclide)

fish, plankton (incl. fish larvae and eggs), water, benthic and pelagic invertebrates

- 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)

trawling with GOV (bottomtrawl), beamtrawl, and pelagic planktonnet (MIK);  
quantity of samples as specified by the survey design, i.e. trawling for a certain time,  
not for a quantity of catch

## 6. DETAILS OF MOORED EQUIPMENT

### Dates

Laying Recovery Description Depth Latitude Longitude

none

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

- a) Type and trade name NIL  
i. Formaldehyde 4 %  
ii. Ethanol 70 %  
b) Chemical content (and formula) NIL  
c) IMO IMDG code (reference and UN no.) NIL  
d) Quantity and method of storage on board NIL  
i. 5 liter, chemical locker  
ii. 3 liter, chemical locker  
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  
annual survey undertaken since the 1950s
- b) Any previously published research data relating to the proposed cruise  
all data stored and reported to ICES within 3 months

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/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  
yes, report within 6 months

2. **Part C. Scientific Equipment**

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



Coastal state: Denmark

Port of call: only in bad weather conditions

Dates: unknown

				Distance from coast		
List scientific work by function				Within	Between	Between
				4 nm	4-12 nm	12-200 nm
(example: Magnetometry)	Water column including sediment sampling of seabed	Fisheries research within fishing limit	Research concerning the natural resources of the continental shelf or its physical characteristics)			
trawling	yes	yes	no	No	no	yes
echo sounding	yes	yes	no	No	no	yes
water sampling	yes		no	No	no	yes

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(On behalf of the Principal Scientist)

Dated 15.10.2018

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.