

Application for Consent to conduct
Marine Scientific Research

Date: _3.11.2017_____

1. General Information

1.1 Cruise name and/or number: 2018103

1.2 Sponsoring Institution(s):	
Name:	Institute of Marine Research
Address:	P.O.Box 1870 Nordnes N-5024 Bergen Norway
Name of Director:	Sissel Rogne

1.3 Scientist in charge of the Project:	
Name:	Jennifer Devine
Country:	Norway
Affiliation:	Institute of Marine Research
Address:	P.O.Box 1870 Nordnes N-5024 Bergen Norway
Telephone:	+47 90259201
Fax:	+47 55238500
Email:	jennifer.devine@imr.no
Website (for CV and photo):	NA

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	
Affiliation:	
Address:	
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	

2. Description of Project

2.1 Nature and objectives of the project:
<p>The survey is an acoustic survey for saithe to generate indices of spawning stock biomass for assessment purposes. The survey will cover transects up and down the shelf edge and the central part of the northern shelf. Activities include bottom and pelagic trawling for fish, egg/larvae sampling, and CTDs.</p> <p>Survey dates: 4.03 – 19.03.2018. The vessel will need access to UK waters during this entire time period.</p>

2.2 If designated as part of a larger scale project, then provide the name of the project and the Organisation responsible for coordinating the project:
This is the beginning of a joint international acoustic survey for saithe; IMR coordinates the project. Participants are Norway and Germany.

2.3 Relevant previous or future research projects:
This is year 2 of a planned long-term survey series.

2.4 Previous publications relating to the project:

3. Geographical Areas

3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in decimal degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a separate excel spreadsheet.
Survey area covers: 56°N - 62° N, 09°E - 04° W We cannot provide bottom trawling positions because bottom trawls are taken when large amounts of saithe are seen with the acoustic echo sounder. We will not trawl within 4 n mi. of the UK.
3.2 Attach chart(s) at an appropriate scale (1 page, high-resolution) showing the geographical Areas of the intended work and, as far as practicable, the location and depth of sampling Stations, the tracks of survey lines, and the locations of installations and equipment.
See Fig. 1 for map of acoustic survey area. Norway will not fish within 4 n. mi. of the UK.

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	G.O. Sars
Type/Class:	Research vessel
Nationality (Flag State):	Norwegian
Identification Number (IMO/Lloyds No.):	9260316
Owner:	Institute of Marine Research/University of Bergen
Operator:	Institute of Marine Research
Overall length (meters):	77.5
Maximum draught:	7.3
Displacement/Gross Tonnage:	4067 tons
Propulsion:	DC-Electric
Cruising & maximum speed:	10 knots, 17 knots
Call sign:	LMEL
INMARSAT number and method and capability of communication (including emergency frequencies):	Telephone: +47 55906440 Telefax:: +47 55906441 E-mail: GOSars@IMR.no
Name of Master:	John Hugo Johnsen / Preben Vindenes
Number of Crew:	15
Number of Scientists on board:	9

4.2 Particulars of Aircraft:	
Name:	
Make/Model:	
Nationality (flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall Length (meters):	
Propulsion:	
Cruising & Maximum speed:	
Registration No.:	
Call Sign:	
Method and capability of communication (including emergency frequencies):	
Name of Pilot:	
Number of crew:	
Number of scientists on board:	
Details of sensor packages:	
Other relevant information:	

4.3 Particulars of Autonomous Underwater Vehicle (AUV):

Name:	
Manufacturer and make/model:	
Nationality (Flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall length (meters):	
Displacement/Gross tonnage:	
Cruising & Maximum speed:	
Range/Endurance:	
Method and capability of communication (including emergency frequencies):	
Details of sensor packages:	
Other relevant information:	

4.4 other craft in the project, including its use:

4.5 Particulars of methods and full description of scientific instruments to be used (for fishing gear specify type and dimension)

Types of samples and Measurements:	Methods to be used:	Instruments to be used:
Fish	Bottom & pelagic trawls	Åkra, Campelen, Alfredo
Fish larvae, eggs	Midwater trawl	Gulf VII

4.6 Indicate nature and quantity of substances to be released into the marine environment:

NONE

4.7 Indicate whether drilling will be carried out. If yes, please specify:

NA

4.8 Indicate whether explosives will be used. If yes, please specify type and trade name, Chemical content, depth of trade class and stowage, size, depth of detonation, frequency of Detonation, and position in latitude and longitude:

NA

5. Installations and Equipment

Details of installations and equipment (including dates of laying, servicing, method and Anticipated timeframe for recover, as far as possible exact locations and depth, and Measurements):

NA

6. Dates

6.1 Expected dates of first entry into and final departure from the research area by the research vessel and/or other platforms:

Entry into and departure from the research area within the period 04.03 – 19.03.2018. Vessel will enter UK waters nearly continuously throughout the survey period, so must have access for entire period.

6.2 Indicate if multiple entries are expected:

Multiple entries are expected within period 04.03 – 19.03.2018.

7. Port Calls

7.1 Dates and Names of intended ports of call:

Expected call within the period March 9 - 19, 2018, into Lerwick, Shetland, but would like ability to enter port (Lerwick, Kirkwall) at any time within the complete survey period if sea conditions are poor.

7.2 Any special logistical requirements at ports of call:

NONE

7.3 Name/Address/Telephone of shipping agent (if available):
NA

8. Participation of the representative of the coastal State

8.1 Modalities of the participation of the representative of the coastal State in the research Project:
NA

8.2 Proposed dates and ports for embarkation/disembarkation:
NA

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to coastal State of preliminary report, which should include The expected dates of submission of the data and research results:
Report within 6 months, if required

9.2 Anticipated dates of submission to the coastal State of the final report:
Report within 6 months.

9.3 Proposed means for access by coastal State to data (including format) and samples:
NA

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:
NA

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples and research results:
NA

9.6 Proposed means of making results internationally available:
All data stored at IMR.

10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):
NA

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:
Figure of survey area. Unable to predict where bottom trawling will take place. Trawling will be done when large amounts of saithe are seen on the echo sounder. Trawling will not take place within 4 n. mi. of UK.

Signature:



Contact information of the focal point:

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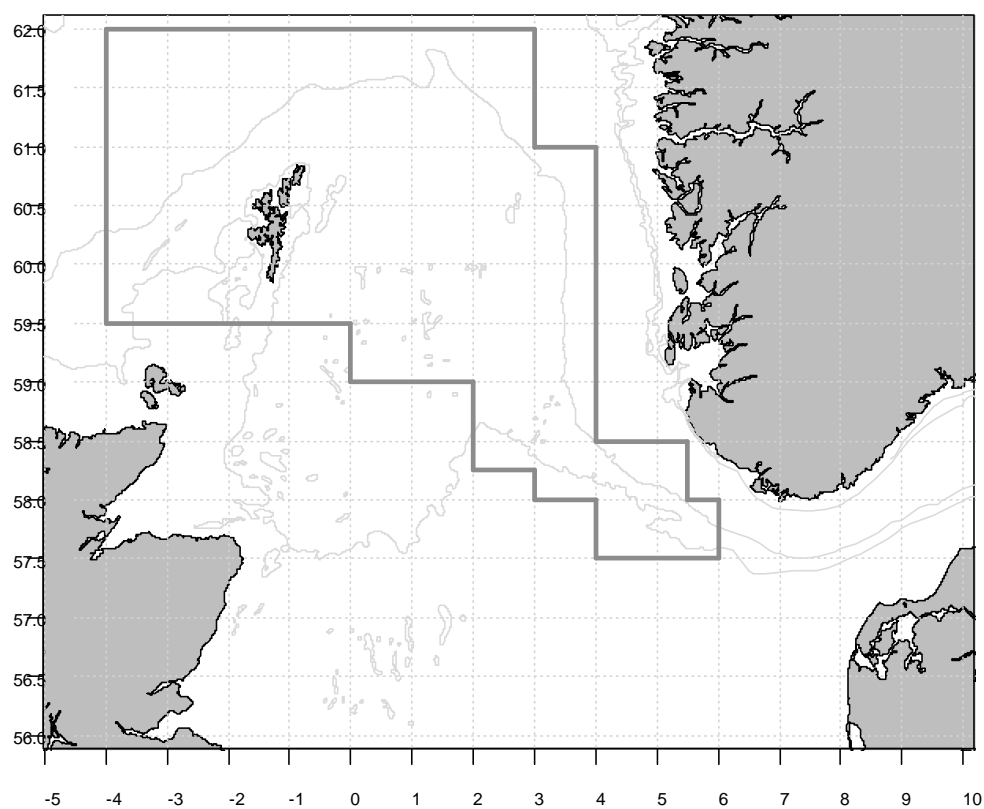


Figure 1. GO Sars will work within the grey outlined area during the period 04-19.03.2018. ICES rectangles are also indicated (dotted grey lines).