Application for Consent to conduct
Marine Scientific Research

Date: _17.10.2014_____

1. General Information

1.1 Cruise name and/or number: 2015101

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

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:
IBTS, International Bottom Trawl Survey, coordinated by ICES. Estimate indexes for demersal species, e.g., cod, haddock, whiting, plaice, witch flounder, saithe, Norway pout. Includes sampling for herring and gadoid larvae, eggs, and a hydrographical transect.

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:
International bottom trawl survey (IBTS), organized by the IBTSWG (ICES)

2.3 Relevant previous or future research projects:
The cruise has been undertaken since middle of the 1950's.

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, 08°E - 02° W Utsira W – Start Point hydrographic transect (straight line along 59.283333)

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 IBTS survey area with Norway's obligatory sampling rectangles.

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:	11-13 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 trawl	GOV trawl
Fish larvae, eggs	Midwater trawl	MIK trawl
Plankton, water, algae	Midwater trawl, water collection	WP2, CTD, MOCNESS, optical counter, WP3

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:
Lerwick: Feb. 1-9th, 2015. Would like option to enter outside this period if weather is poor/dangerous and if vessel needs safe harbour.
6.2 Indicate if multiple entries are expected:
Unknown. The survey depends on the weather. Ideally, the vessel would survey all of the nation's waters without re-entry.

7. Port Calls

7.1 Dates and Names of intended ports of call:
Within the period Feb. 2-4th, 2015, into Lerwick, Shetland. Would like option to enter outside this period if weather is poor/dangerous and if vessel needs safe harbour.

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 and reported to ICES within 3 months.

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. Excel spreadsheet with coordinates of hydrographic transect and outline of obligatory bottom trawl sampling rectangles.

Signature:

Contact information of the focal point:
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

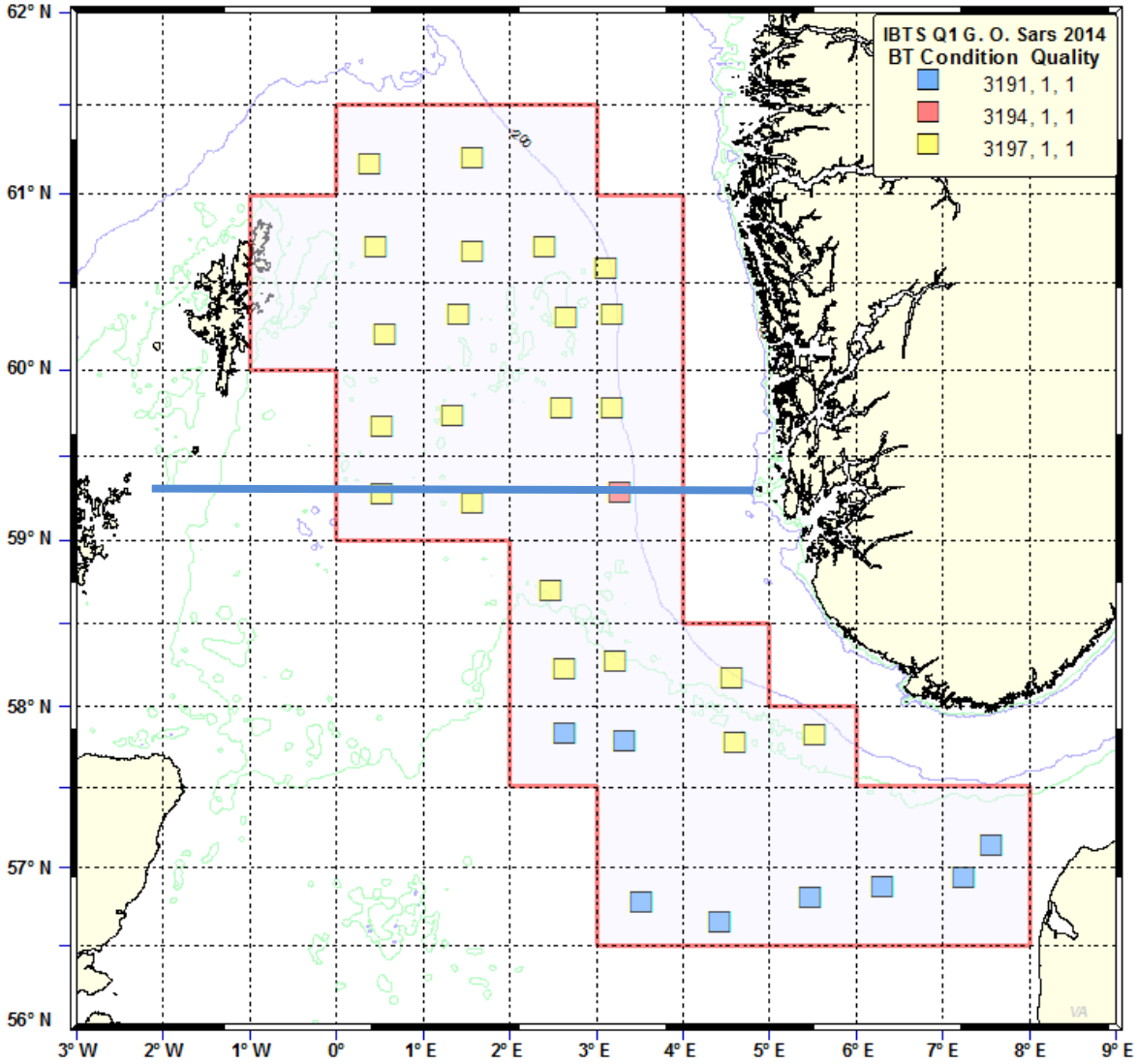

Figure 1. “G.O. Sars” will work rectangles within the shaded region (outlined in red). Hydrographic transect location is indicated in blue.