Application for Consent to conduct
Marine Scientific Research

Date: _3.11.2018_____

1. General Information

1.1 Cruise name and/or number:
2018207

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:
Two main objectives: 1) Internationally coordinated acoustic survey for herring and sprat in the North Sea and Skagerrak-Kattegat, coordinated by ICES (WGIPS) and including UK-Scotland, Netherlands, Ireland, Germany, Norway, and Denmark; the purpose of which is to provide a tuning series for assessments of herring and sprat. 2) Acoustic survey of saithe, which is to provide a tuning index to be used in the assessment of North Sea saithe (used within ICES-WGNSSK). Survey dates: 2-31.07.2018

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 survey for herring, ICES-WGIPS

2.3 Relevant previous or future research projects:
The herring acoustics survey have been undertaken for several decades and the saithe survey since 1995.

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 We confirm that we will not tow over or near the TAT-14 sea cable, in the Pobie Bank reef MPA, or the Fetlar to Haroldswick NCMPA. We will not tow within 12 n m of the shore.

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.
Attached is an excel sheet showing the approximate locations of the survey transects. Towing will take place along these transects, but we cannot give exact positions. Where we decide to tow will depend on whether fish are seen, from which we will need to sample for species identification or biological samples. **Norway will not sample within 12 n. mi. of the UK.** We confirm that we will not tow over or near the TAT-14 sea cable, in the Pobie Bank reef MPA, or the Fetlar to Haroldswick NCMPA.

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	Johan Hjort
Type/Class:	Research vessel
Nationality (Flag State):	Norwegian
Identification Number (IMO/Lloyds No.):	8915768
Owner:	Institute of Marine Research/University of Bergen
Operator:	Institute of Marine Research
Overall length (meters):	64.5
Maximum draught:	6.5
Displacement/Gross Tonnage:	548/1851 tons
Propulsion:	DC-Electric
Cruising & maximum speed:	10 knots, 12.7 knots
Call sign:	LDGJ
INMARSAT number and method and capability of communication (including emergency frequencies):	Telephone: +47 55906400 Telefax:: +47 55906401 E-mail: johan.hjort@imr.no
Name of Master:	Svein-Roger Fredheim /John Gerhard Aasen
Number of Crew:	15
Number of Scientists on board:	18

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 and midwater trawls	Harstad/Åkra/Campelen/Alfredo trawls
Water	Profiles	CTD

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:
Will require access to the UK zone for the entire survey period: 2.07 – 31.07.2017 Will need entrance to the UK zone at all times during the survey due to planning of activities.
6.2 Indicate if multiple entries are expected:
Yes. Multiple entries are expected. Port call at Lerwick within period 25-31 July.

7. Port Calls

7.1 Dates and Names of intended ports of call:
Within period 25-31 July; Lerwick, Shetland

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:
NONE

8.2 Proposed dates and ports for embarkation/disembarkation:
NONE

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 1 year, if required

9.2 Anticipated dates of submission to the coastal State of the final report:
Report within 1 year, available at www.ices.dk (IBTSWG final report)

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

9.4 Proposed means to provide coastal State with assessment of data, samples and research results:
Will direct to data held at ICES (freely accessible to all)

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples and research results:
Will direct to data held at ICES (freely accessible to all)

9.6 Proposed means of making results internationally available:
All herring survey data stored and reported to ICES within 2 months of end of survey.

10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):
Access to DK waters.

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:
Figure 1 for map of survey transects within survey area. Attached excel file contains survey transect start and end points. Norway is aware that they cannot trawl over or near the TAT-14 sea cable, in the Pobie Bank reef MPA, or in the Fetlar to Haroldswick NCMPA. Norway will avoid these areas.

Signature:

Contact information of the focal point:
Name: Jennifer Devine
Country: Norway
Affiliation: Institute of Marine Research
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Email: jennifer.devine@imr.no

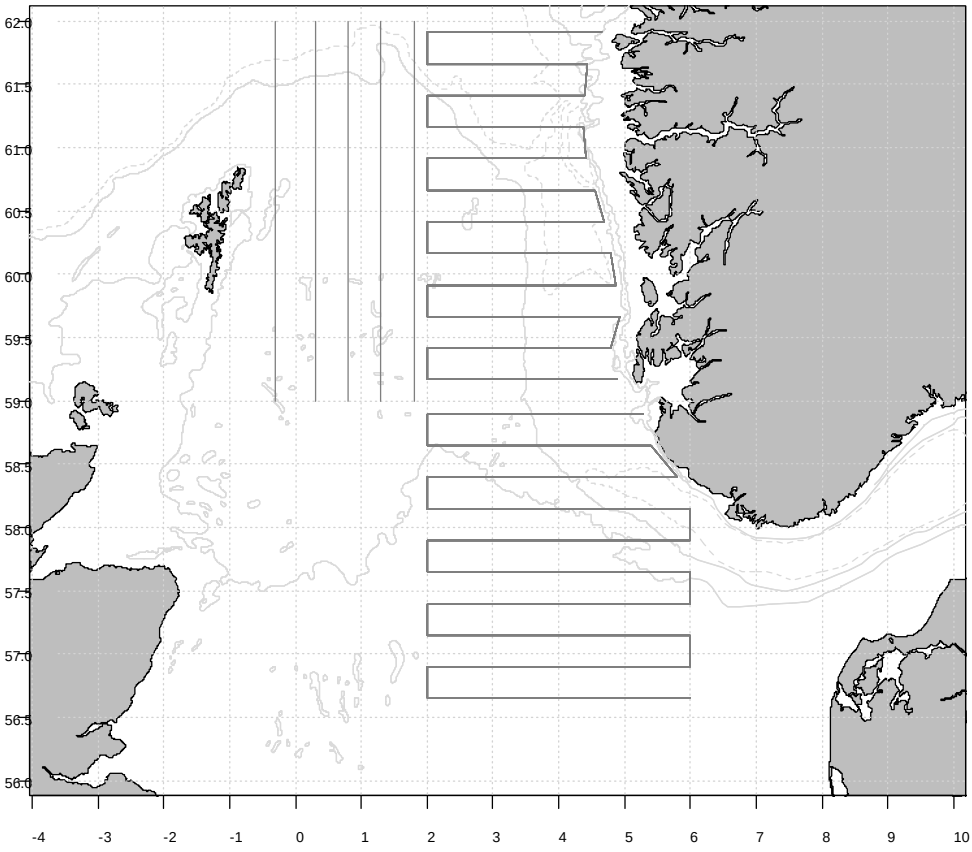

Figure 1. “Johan Hjort” will run along these transects and take bottom trawls to verify species composition/collect biological samples when needed.