 Havforskningsinstituttet					Ref.id.: KS&SMS.5.4-02
ICES-Søknadskjema					Standard
Versjon: 1.02	Opprettet: 04.10.2012	Skrevet av: TOD	Godkjent av: PWN	Gjelder fra: 04.10.2012	Sidenr: 1 av 7

ICES søknadsskjema

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP: "Brennholm" CRUISE NO.: 2013808
2. DATES OF CRUISE: From: 2. September 2013 To: 12. Sep. 2013
3. OPERATING AUTHORITY: Institute of Marine Research
P.O.Box 1870 Nordnes
N-5817 BERGEN NORWAY
TELEPHONE: 47-55238500
TELEFAX : 47-55238531
TELEX: 42297 OCEAN N
E-MAIL: post@imr.no
4. OWNER : Brennholm AS
Eikeneset 40
5259 Hjellestad
Norway
Contact person: Lars Einar Sandtorv
Telephone: +47 90822505
E-mail: lareina@online.no
5. PARTICULARS OF SHIP: Name: "Brennholm"

Nationality: Norwegian
Overall length: 75.4 metres
Maximum draught: 7.40 metres
Net tonnage:
Propulsion: Diesel
Call sign:
Registration port and number:
Port: Bergen, Norway
Number: H-1-BN
Signal of ship: LIWG
6. CREW Name of master: Arne Storebø/Stein Arne Larsen

Number of crew: nine
7. SCIENTIFIC PERSONNEL Name and address of scientist in charge:
Bjørnar Isaksen
Institute of Marine Research
P.O.Box 1870 Nordnes
N-5817 BERGEN NORWAY
Telephone.: +47 556806, +47 90044115

No. of scientists: five
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference to latitude and longitude)

Norwegian zone and British zone (EU zone) of ICES areas IVa and IVb of the North Sea (55°-62° N, 2° W-7°E). (See also the map attached at the end of the document).
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE



The cruise is part of a research project where the aim is to develop resource- and environmental friendly purse seine technology. Mainly the studies on this cruise include testing of new methodology for careful and gentle slipping of herring and filming of the herring during the process, taking samples of the herring in the purse seine during the hauls with the newly developed line thrower, measure sinking speed of the purse seine and testing of equipment attached to the purse seine during night hauls.

10. DATES AND NAMES OF INTENDED PORTS OF CALL

No intended port of call outside Norway.

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: DETAIL

1. NAME OF RESEARCH SHIP: "Brennholm" CRUISE NO. : 2013808
2. DATES OF CRUISE From: 2.September 2013 To: 12. Sep. 2013
3. a) PURPOSE OF RESEARCH

The cruise is part of a research project where the aim is to develop resource- and environmental friendly purse seine technology. Mainly the studies on this cruise include testing of new methodology for careful and gentle slipping of herring and filming of the herring during the process, taking samples of the herring in the purse seine during the hauls with the newly developed line thrower, measure sinking speed of the purse seine and testing of equipment attached to the purse seine during night hauls.

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

Fishing gear, commercial sized purse seine.

Line thrower included a "mini-trawl" for taking samples inside the purse seine during hauls.

Video cameras for monitoring fish behaviour.

4. ATTACH CHART showing (on an appropriate scale) the geographical area of intended work, positions of intended stations, tracks of survey lines, positions of moored/scabed equipment, areas to be fished.

The ship will be fishing in Norwegian zone and British zone (EU zone) of ICES areas IVa and IVb in the North Sea. If the herring fishery in the cruise period takes place in the EU zone, it will be necessary to conduct the experiments in this area. The ship will be fishing in areas where it is possible to catch herring shoals of representative size.

A map showing the possible cruise area is attached at the end of the document.

5. a) TYPES OF SAMPLES REQUIRED (e.g., geological/water/plankton/fish/radionuclide).
The ship will be operating as close as possible to normal fishing for herring. The haul sizes will be as close to representative haul sizes as possible. The Norwegian Fisheries Directorate has granted a permit for a total of 250 tonnes of herring for scientific purposes. (See attachment, in Norwegian)

b) METHODS OF OBTAINING SAMPLES (e.g., dredging/coring/drilling/fishing, etc. When using fishing gear, indicate fish stocks being worked, quantity of each species required, and quantity of fish to be retained on board).

The ship will be using a regular purse seine. During fishing no part of the gear will have bottom contact.

6. DETAILS OF MOORED EQUIPMENT

No moored equipment will be used.

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



ICES-Søknadskjema

(Use separate sheet if necessary)

- a) Type and trade name
- b) Chemical content (and formula)
- c) IMO IMDG code (reference and UN no.)
- d) Quantity and method of storage on board
- e) If explosives give date(s) 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

Cruise No. 2010819-I with "Møgsterhav", May 2010 in Norwegian zone
Cruise No. 2010819-II with "Møgsterhav", November 2010 in Norwegian zone
Cruise No. 2011811 with "Endre Dyrøy", June 2011 in Norwegian zone
Cruise No. 2012804-I with "Hillersøy", February 2012 in Norwegian zone
Cruise No. 2012804-II with "Sjarmør", September 2012 in Norwegian zone
Cruise No. 2012819 with "Endre Dyrøy", November 2012 in Norwegian zone

b) Any previously published research data relating to the proposed cruise

Report from Institute of Marine Research No.10-2011 (In Norwegian)
Report from Institute of Marine Research No.22-2012 (In Norwegian)
Report from Institute of Marine Research No.30-2012 (In Norwegian)
Report from Institute of Marine Research No.10-2013 (In Norwegian)
Marine Research News No.1-2013 Purse seine volume and shape impact crowding densities
Marine Research News No.2-2013 Fish sampling by shooting a "mini-trawl" into the purse seine
Marine Research News No.6-2012 (In Norwegian)
Marine Research News No.7-2012 (In Norwegian)

9. NAME 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)
- b) Participation of an observer from the coastal state for any part of the cruise together with the dates and the ports for embarkation and disembarkation
- c) When research data from the intended cruise is likely to be made available to the coastal state and by what means

The data will go into the database of the Institute of Marine Research and will therefore be available to all scientists.



ICES-Søknadskjema

PART C. SCIENTIFIC EQUIPMENT

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

Coastal state:

Port call:

Dates:

Indicate "YES or "NO"

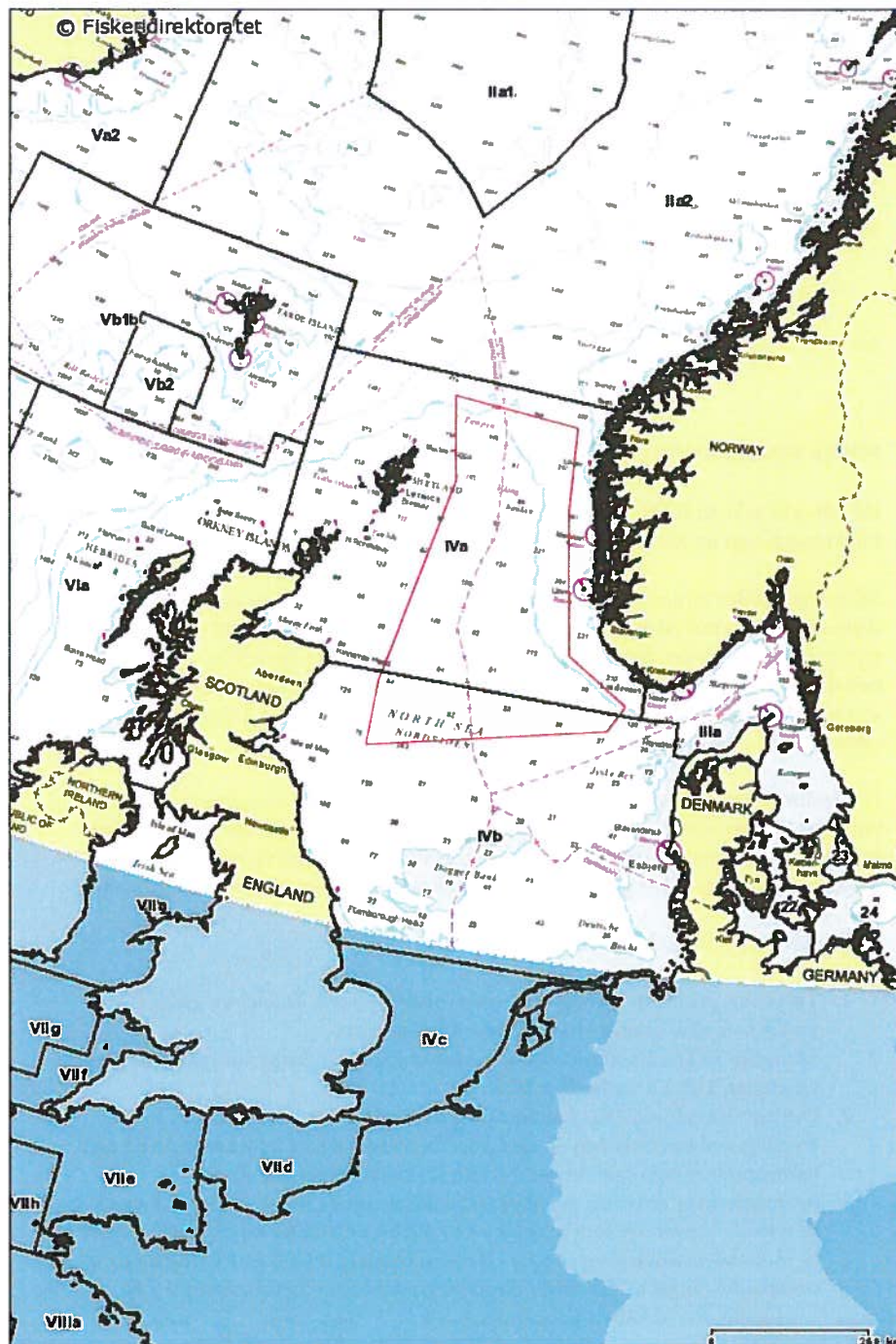
List scientific work by function	Distance from coast					
e.g. Magnetometry Gravity Diving Seismics Seabed sampling Bathymetry Trawling Echo sounding Water sampling U/W TV Moored instr. Towed instr.	Water column including sediment sampling of the seabed	Fisheries research within fishing limits	Research concerning the natural resources of the continental shelf or its physical characteristics	Within 4 nm	Between 4-12 nm	Between 12 and 200 nm
Purse seine	No	Yes	No	No	No	Yes

Bjørnar Isaksen

(On behalf of the Principal Scientist)

Date: 7. August 2013

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.



Schematic view of approximate, possible cruise area.

**FISKERIDIREKTORATET**

02.07.13

12/1487-

306.6

Havforskningsinstituttet
Postboks 1870 Nordnes

5817 BERGEN

Saksbehandler: Elisabeth Borthen
Telefon: 97586908
Seksjon: Reguleringsseksjonen
Vår referanse: 12/14048
Deres referanse:
Vår dato: 27.06.2013
Deres dato:

Att:

FORSKNINGSFANGST 2013 - 250 TONN NORDSJØSILD

Det vises til søknad fra Havforskningsinstituttet datert 03.06.2013 angående forskningsfangst av 250 tonn nordsjøsilid i perioden 2. til 12. september 2013.

Søknaden gjelder utprøving av utstyr og metodikk for prøvetaking og skånsom slipping av silid i notfisket. Notforsøket som skal utføres på nordsjøsilid vil bli det siste som utføres under det treårige prosjektet "Ressurs og miljøvennlig notteknologi". Til forsøket vil det bli leid inn et ringnotfartøy med erfaring fra bruk av utstyr for slipping og fangstregulering ved hjelp av geilsystem. Toktansvarlig vil være Jostein Saltskår og Bjørnar Isaksen.

Fiskeridirektoratet finner med hjemmel i lov av 6.juni 2008 om forvaltning av villlevande marine ressursar (havressurslova) §§ 13 og 66 å kunne innvilge søknaden fra Havforskningsinstituttet i tråd med ovennevnte søknad. Det vises til Fiskeri og kystdepartementets retningslinjer av 16. desember 2010 om bruk av forskningskvoter.

Tillatelsen gis på følgende grunnlag:

1. Tillatelsen gis Havforskningsinstituttet (institusjonen). Tillatelsen gjelder forsøk som skal utføres i tråd med beskrivelse gitt i søknaden. Fiskeridirektoratet skal ha melding hvilket fartøy som skal benyttes i perioden 2. til 12. september 2013.
2. Det kan fiskes inntil 250 tonn nordsjøsilid (rund vekt) under forsøket. Ved levering skal institusjonen og salgslaget registrere det tildelte kvantum på eget fiskenummer som egen kvote. All fangst skal avregnes mot kvoten.
3. Institusjonen er ansvarlig for at det ikke fiskes utover tillatt kvantum. Fangst som fiskes utover det som er beskrevet i tillatelsen tilfaller salgsgeselskapet og innbetales denne av eget tiltak. Dersom betaling ikke skjer frivillig inndras overskuddsfangst av Fiskeridirektoratet i medhold av havressurslova § 54.



4. Landingsseddel/sluttседdel skal fylles ut etter reglene i forskrift av 22.januar 2003 om opplysningsplikt ved landing eller omsetning av fangst. Feltet merket kvotetype fylles ut ved avkrysning eller angivelse av kode for forskningskvote. Institusjonen skal sende kopi av seddelen til Fiskeridirektoratet ved Statistikkavdelingen.
5. Fiskeridirektoratet skal ha melding hvordan kvoten ble fisket.
6. Ved eventuelle brudd på vilkårene kan tillatelsen tilbakekalles med øyeblikkelig virkning. Slike brudd kan også medføre at senere søknader fra institusjonen vil bli avslått.
7. Ved pliktige meldinger til Fiskeridirektoratet benyttes telefaks 55 23 80 90.

Med hilsen

Trond Ottemo

Fungerende seksjonssjef

Elisabeth Borthen
seniorkonsulent

Permission to catch 250 tonnes of herring for scientific purpose.