

 <b>Havforskningsinstituttet</b>					Ref.id.: KS&SMS.5.4-02
ICES form - Notification of proposed research cruiseform - Notification of proposed research cruise					Standard
Versjon: 1.03	Opprettet: 04.10.2012	Skrevet av: TOD	Godkjent av: PWN	Gjelder fra: 04.10.2012	Sidenr: 1 av 5

1. **NAME OF RESEARCH SHIP: M/V "Vendla"**                      **CRUISE NO.: 2017836**

2. **DATES OF CRUISE**                      **From: May 10<sup>th</sup> 2017**                      **To: May 24<sup>th</sup> 2017**

3. **OPERATING AUTHORITY: Institute of Marine Research**

TELEPHONE: +47 55 23 85 00

TELEFAX: +47 55 23 85 31

TELEX: NA

4. **OWNER**

Vendla AS, Gnr 37 Bnr 7, 5384 Torangsvåg

5. **PARTICULARS OF SHIP:**

Name: M/V "Vendla"

Nationality: Norwegian

Overall length: 76.44 m

Maximum draught: 9.30 m

Net tonnage: NT = 896 (GT = 2987)

Propulsion: MaK 8M32C Diesel Engine

Call sign: LCYN

Registration port and number: Torangsvåg, Norway

IMO 9646091 (if registered fishing vessel)

6. **CREW**

Name of master: Ole Morten Troland

Number of crew: 8

7. **SCIENTIFIC PERSONNEL**



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Name and address of scientist in charge: Nils

Olav Handegard (cruise leader)

Tel/telex/fax no.: As in #3 above

No. of scientists: 8

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

Norwegian Sea and surrounding areas including: EEZ Iceland and Faroe Islands.

Between 62°N and 70°N, and 11°E and 13°W and 13°E.

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

Support the International Ecosystem Survey of the Nordic Sea by investigating vertical distribution, fish avoidance, acoustic classification and the impact of these sources of errors on the survey estimates.

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

Bergen, Norway May 10<sup>th</sup> 2017

Bergen, Norway May 24<sup>th</sup> 2017

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

No

**1. Part B: Details**

1. **NAME OF RESEARCH SHIP:** M/V "Vendla"    **CRUISE NO.:** 2017836

2. **DATES OF CRUISE**                      **From: May 10<sup>th</sup> 2017**                      **To: May 24<sup>th</sup> 2017**

3.

a) **PURPOSE OF RESEARCH:**

Support the International Ecosystem Survey of the Nordic Sea (IESNS) by investigating vertical distribution, fish avoidance, acoustic classification and the impact of these sources of errors on the survey estimates.

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

During the cruise the following operations will be made:

1. Pelagic trawling 0-35 m with Mulpelt 832 pelagic trawl for mackerel, blue whiting, and herring. Opportunistic trawling will be conducted for mackerel, blue whiting and herring based for acoustic registrations. The Scantrol Deep Vision system will be used in association with the trawling.

2. Conductivity-Temperature-Depth (CTD) measurements will be taken.

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3. Echosounders and fisheries sonar will be used to collect data on fish distribution and abundance.
4. A floating buoy equipped with an echo sounder will be used to register fish in the upper water column.

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

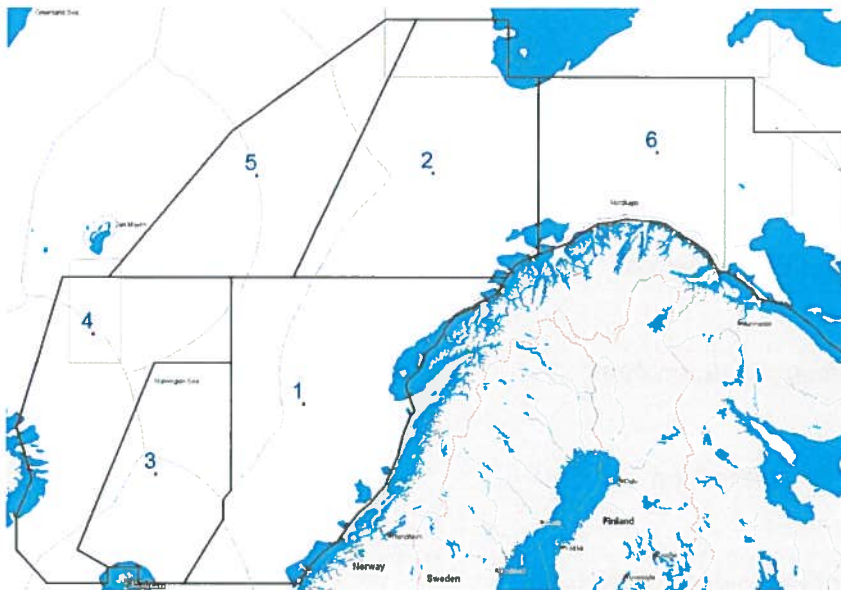


Figure 1. The figure show the stratification system for the whole IESNS survey. We are applying for access to strata 1, 3 and 4.

5.
  - a) **TYPES OF SAMPLES REQUIRED** (e.g., geological/water/plankton/fish/radionuclide)

Fish samples will be taken using the Multipelt trawl.

- 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)

Fishing with pelagic trawl upon mackerel, herring, and blue whiting, of which approx. 100 individuals/haul are required. Quantity of fish to be retained on board: up to 10 tonnes of mackerel, 25 tonnes of herring, and 10 tonnes of blue whiting due to catch needed for biological research. Other species: nil.

**6. DETAILS OF MOORED EQUIPMENT**

A floating buoy containing and echo sounder may be deployed during the survey based on the registrations on the ship mounted echosounders.

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



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

- 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

The cruise will operate along the IESNS survey

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

**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)

NA



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b) Participation of an observer from the coastal state for any part of the cruise together with the dates for embarkation and disembarkation

NA

c) When research data from the intended cruise are likely to be made available to the coastal state and by what means

Data will be made available through the Norwegian Marine Datacentre.

2. Part C. Scientific Equipment

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

Coastal state: EEZ Faroes

Port of call:

Dates:

				Distance from coast		
List scientific work by function				Within	Between	Between
				4 nm	4-12 nm	12-200 nm
Acoustic-trawl survey operation					x	x

Coastal state: EEZ Iceland

Port of call:

Dates:

				Distance from coast		
List scientific work by function				Within	Between	Between
				4 nm	4-12 nm	12-200 nm
Acoustic-trawl survey operation					x	x

(On behalf of the Principal Scientist)

Dated March 29th. 2017

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.

