



ICES form - Notification of proposed research cruise

Ref.id.: KS&SMS-05-4-02

Standard

Side 1 av 7

1. **NAME OF RESEARCH SHIP:** "Johan Hjort" **CRUISE NO.:** 2024002008

2. **DATES OF CRUISE** **From: 31.05.2024** **To: 16.06.2024**

3. **OPERATING AUTHORITY:** Institute of Marine Research
P.O. Box 1870 Nordnes
5817 Bergen
post@hi.no

TELEPHONE: +47 5523 8500

TELEFAX: +47 5523 8531

TELEX: NA

4. **OWNER**
(if different from no. 3)

5. **PARTICULARS OF SHIP:**

Name: Johan Hjort

Nationality: Norwegian

Overall length: 64.5 metres

Maximum draught: 6.4 metres

Net tonnage: 555 tonnes

Propulsion: Diesel

Call sign: LDGJ

Registration port and number (if registered fishing vessel): NA

6. **CREW**

Name of master: Tom Ole Drange / Hans Sangolt Troland

Number of crew: 15



7. SCIENTIFIC PERSONNEL

Name and address of scientist in charge:

Henrik Søiland,
Institute of Marine Research
P.O. Box 1870 Nordnes, N-5817 Bergen
henrik.soiland@hi.no
Tel/telex/fax no.: +47 926 95 447

No. of scientists: 6

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

Norwegian and Greenland Sea, 60°N-75°N 18°W-20°E (see attached map under Part B point 4).

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE

Monitoring the marine environment and plankton condition on the fixed hydrographic sections, Svinøy-NW, Gimsøy-NW, Bear Island W (along 74.5 N), and in the Barents Sea opening. During the cruise, hydrographic data (temperature, salinity, and ocean current using Acoustic Doppler Current Profiler) and water samples (nutrients, oxygen, chlorophyll, pH, etc.) are collected. In addition to the monitoring activity several moorings for current measurements will be changed (recovered and redeployed) near the Norwegian coast and several Argo floats (free drifting floats at 1000 m depth) will be recovered and deployed

10. DATES AND NAMES OF INTENDED PORTS OF CALL

Around 08.06.2024 at the Norwegian coast (Lofoten/Vesterålen area)

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL

None

1. Part B: Details

1. NAME OF RESEARCH SHIP: *Johan Hjort* CRUISE NO.: 2024002008

2. DATES OF CRUISE **From: 31.05.2024** **To: 16.06.2024**

3.

Dokumenter kan skrives ut, men kun elektronisk versjon ansees som oppdatert og gyldig.

a) **PURPOSE OF RESEARCH:**

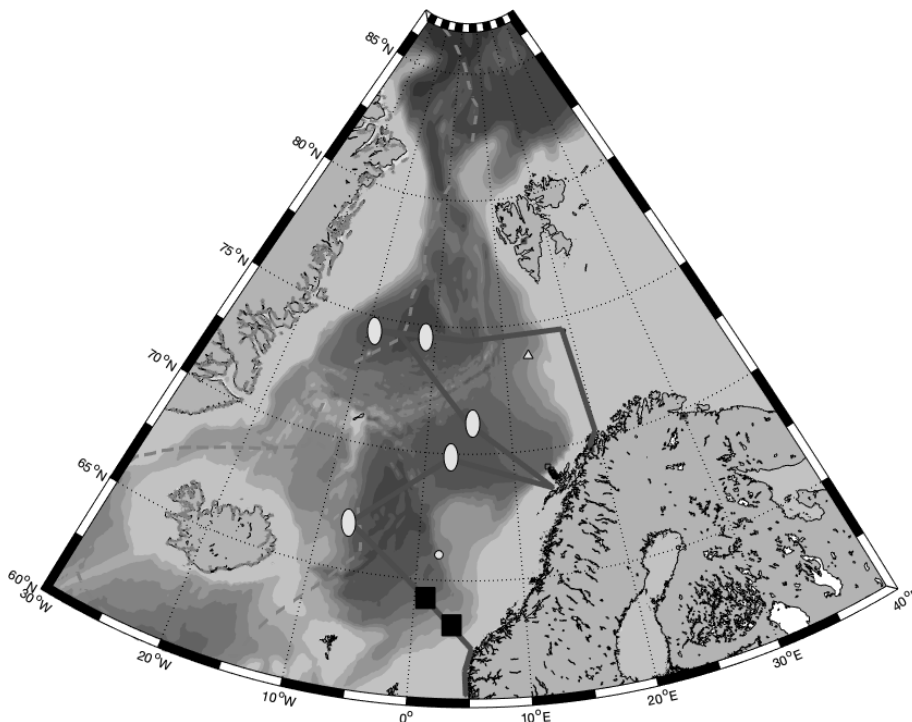
As part of the Institute of Marine Research monitoring programme to monitor the marine environment and plankton condition on the fixed hydrographic sections, Svinøy-NW, Gimsøy-NW, Bear Island W (along 74.5 N), and in the Barents Sea opening. During the cruise, hydrographic data (temperature, salinity, and ocean current using Acoustic Doppler Current Profiler) and water samples (nutrients, oxygen, chlorophyll, pH, etc.) are collected. In addition to the monitoring activity several moorings for current measurements will be changed (recovered and redeployed) near the Norwegian coast. Several Argo floats (free drifting floats at 1000 m depth) will be recovered and deployed as part of the Norwegian Argo Infrastructure project.

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

Water bottles, CTD-probe (measures conductivity, temperature, and density at depth), Plankton net (vertical haul), towed Multinet for plankton measurements, Winch for deployment/recover of Argo floats, and recover/deployment of moorings.

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

The planned survey lines are given as red lines in the map. Deployment/recovering of Argo floats are given as yellow ellipses (positions may be modified during the cruise). Black squares indicate moorings.





- a) TYPES OF SAMPLES REQUIRED (e.g., geological/water/plankton/fish/radionuclide)
Water samples.
- 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)
CTD-probe with water bottles, vertical haul with plankton net, and towed multinet for plankton measurements.

6. DETAILS OF MOORED EQUIPMENT

Laying	Recovery	Description	Depth	Latitude	Longitude
May 2023	June 2024	Several current moorings at the Svinøy section	0-2000 m	62-65 N	0-5 E

7. ANY HAZARDOUS MATERIALS (chemicals/explosives/gases/radioactives, etc.)
(Use separate sheet if necessary)
None.

- 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 (*none*)

- 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

Annual survey since the 1950s

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

Data from the cruise series are reported to ICES and published in reports of ICES Working Group on Oceanic Hydrography.

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**

Denmark/Greenland

Professor Colin Stedmon
Sektion for Oceaner og Arktis
Danmarks Tekniske Universitet
Institut for Akvatiske Ressourcer
2800 Kgs. Lyngby
Denmark

Email: cost@aqua.dtu.dk

Tel: +45 358 83 410

Mob: +45 248 95 714

Iceland

Magnús Danielsen (Senior Scientist)
Marine and Freshwater Research Institute
Fornubúðum 5
220 Hafnarfjörður
Iceland

Email: magnus.danielsen@hafogvatn.is

Tel: +354 5752072



10. **STATE**

a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable (Yes/no)

Yes

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

Yes

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

Data from the cruise will be delivered to ICES within 6-12 months after the end of the cruise.

2. **Part C. Scientific Equipment**

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

Coastal state: Greenland (Denmark)

Port of call:

Dates:

				Distance from coast		
List scientific work by function				Within	Between	Between
				4 nm	4-12 nm	12-200 nm
Deployment/recover of Moorings	Yes			No	No	No
Deployment/recover of Argo floats	Yes			No	No	Yes
Water sampling	Yes			No	No	Yes
CTD casts	Yes			No	No	Yes
Plankton net	Yes			No	No	Yes



Coastal state: **Iceland**

Port of call:

Dates:

				Distance from coast		
List scientific work by function				Within	Between	Between
				4 nm	4-12 nm	12-200 nm
Deployment/recover of Moorings	Yes			No	No	No
Deployment/recover of Argo floats	Yes			No	No	Yes
Water sampling	Yes			No	No	Yes
CTD casts	Yes			No	No	Yes
Plankton net	Yes			No	No	Yes

Kjell Arne Mork

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(On behalf of the Principal Scientist)

Dated 29 November 2023

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.