



N-5817 BERGEN NORWAY

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No. of scientists: 3

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference to latitude and longitude)  
Norwegian Sea and Iceland Sea (67° N, 13 46' W). (See also the chart 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 investigate the water masses in the Iceland and Norwegian Sea. In the project Norwegian and Icelandic scientists collaborate. The studies include hydrographic measurements, deployment of both surface drifters and current moorings.
10. DATES AND NAMES OF INTENDED PORTS OF CALL  
*3 June 2012: Bergen, Norway*  
*11 June 2012, Bergen, Norway*
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL

NOTIFICATION OF PROPOSED RESEARCH CRUISEPART B: DETAIL

1. NAME OF RESEARCH SHIP: "Johan Hjort" CRUISE NO. 2012206
2. DATES OF CRUISE From: 3 June 2012 To: 11 June 2012
3. a) PURPOSE OF RESEARCH

The cruise is part of a research project where the aim is to investigate the water masses in the Iceland and Norwegian Sea. In the project Norwegian and Icelandic scientists collaborate. The studies include hydrographic measurements, deployment of both surface drifters and current moorings.

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

Conductivity Temperature Depth (CTD) corer (1 m long)  
Rosette/water sampler (2 m long)  
Underway measuring systems, continuous flow of seawater into ship born instrumentation  
Deployment of two moorings for current measurements (include ADCP and RCM)  
Deployment of surface drifters

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/seabed equipment, areas to be fished.

A chart showing the planned cruise track is at the end of the document

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

Seawater sampling

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

*24 Niskin bottles 10 liter automatic rosette  
CTD and ADCP*

6. DETAILS OF MOORED EQUIPMENT

| <u>Dates</u> | <u>Laying</u> | <u>Recovery</u> | <u>Description</u> | <u>Depth</u>       | <u>Latitude</u> | <u>Longitude</u> |
|--------------|---------------|-----------------|--------------------|--------------------|-----------------|------------------|
| June 2012    | 6-8 June 2012 | June 2013       | Measure current    | 100-800 m (bottom) | 67 N            | 13.5 W           |
| June 2012    | 6-8 June 2012 | June 2013       | Measure current    | 100-800 m (bottom) | 67 N            | 13.5 W           |

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

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 date(s) 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

A similar research cruise is planned in 2013 for recover and deployment of the moorings.

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

Not yet

9. NAMED AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE

Hedinn Valdimarsson, Skulagata 4, 121 Reykjavik, Iceland, tel: 354-5752000, 354-5752063 (direct)  
Steingrímur Jonsson, University of Akureyri, Borgir v/Norðurslóð, 600 Akureyri, Iceland

10. STATE

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

Yes (port is, however, not planned)

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

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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 international databases ICES and will therefore be available to all scientists.

**PART C. SCIENTIFIC EQUIPMENT**

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

Coastal state: Iceland

Port call: No


Dates: 3-11 June 2012

Indicate "YES or "NO"

| <u>List scientific work by function</u><br><br>e.g.<br>Magnetometry<br>Gravity<br>Diving<br>Seismics<br>Seabed sampling<br>Bathymetry<br>Trawling<br>Echo sounding<br>Water sampling<br>U/W TV<br>Moored instr.<br>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 | Distance from coast |                 |                       |
|---|--|--|--|---------------------|-----------------|-----------------------|
|   |  |  |  | Within 4 nm         | Between 4-12 nm | Between 12 and 200 nm |
| CTD   | Yes  | No                                       | Yes  | No                  | No              | Yes                   |
| Rosette   | Yes  | No                                       | Yes  | No                  | No              | Yes                   |
| Underway systems  | Yes  | No                                       | Yes  | No                  | No              | Yes                   |
| Ecco sounding   | Yes  | No                                       | Yes  | No                  | No              | Yes                   |
| Water sampling  | Yes  | No                                       | Yes  | No                  | No              | Yes                   |
| Towed Instrument  | No   | No                                       | No   | No                  | No              | No                    |
| Trawling  | No   | No                                       | No   | No                  | No              | No                    |
| Moored Instruments  | Yes  | No                                       | Yes  | No                  | No              | Yes                   |
| Surface drifters  | Yes  | No                                       | Yes  | No                  | No              | Yes                   |

Kjell Arne Mork  
(Principal Scientist)

Dated : 24 January 2012

  
Kjell Arne Mork  
Principal Scientist

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.

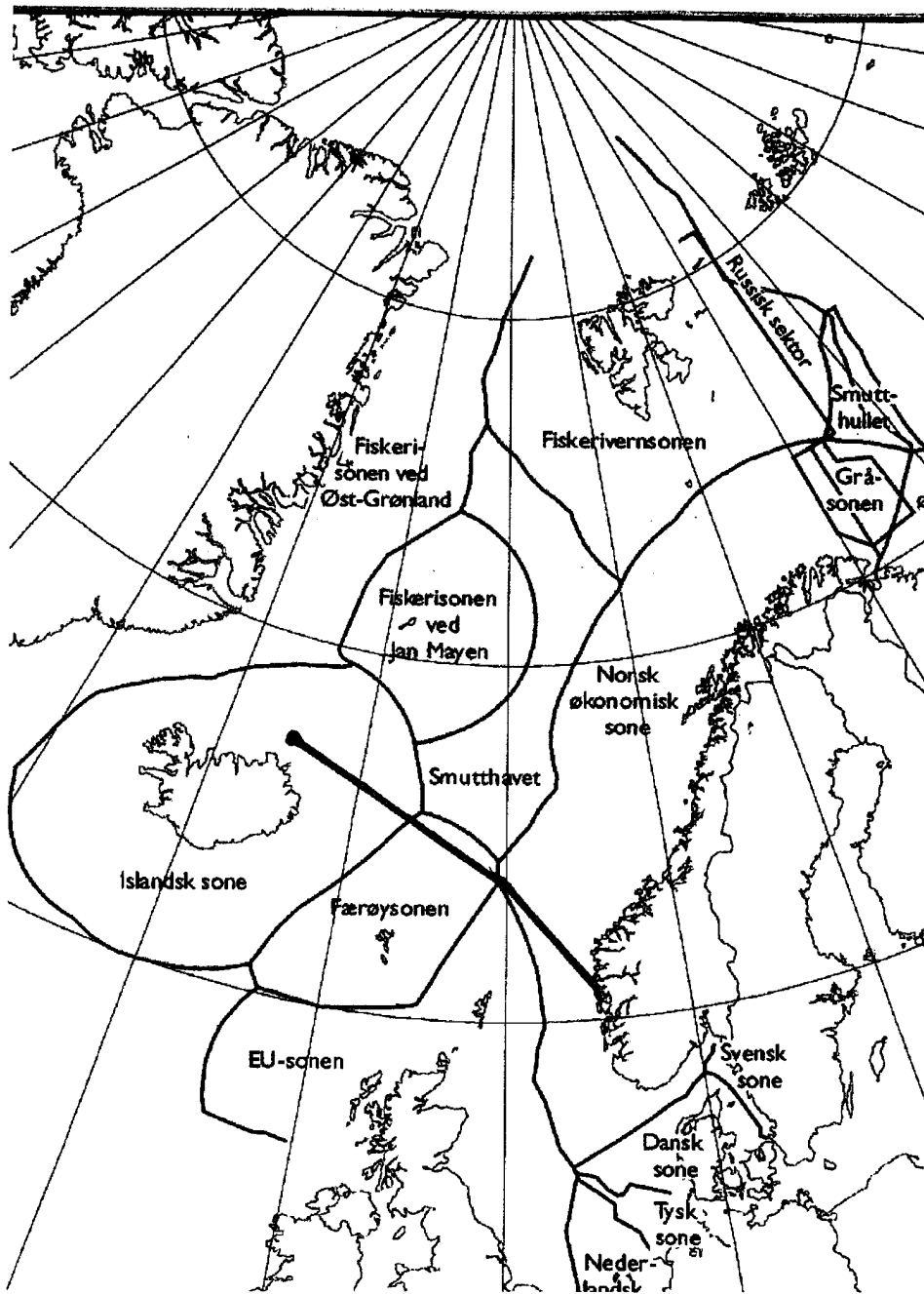


Figure 1. Planned cruise track (blue line). Deployment of mooring and surface drifters are planned at the end of the blue line (north of Iceland, about 67 N, 13.5 W)