

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF SHIP: F.S. "HEINCKE" Cruise No.: HE265
 2. DATES OF CRUISE: FROM: 04.01.07 TO: 19.01.07
 3. OPERATING AUTHORITY: **Alfred-Wegener-Institut für Polar- und Meeresforschung**
P.O.-Box 12 01 61
D-27515 Bremerhaven
 Phone: +49- 471 4831- 0
 Fax +49- 471 4831-1355

4. OWNER:

(if different from para 3)

5. PARTICULARS OF SHIP: NAME HEINCKE
Nationality German
OVERALL LENGTH 55,20 m
MAXIMAL DRAUGHT 4,16 m
NETTONAGE 1000
PROPULSION Diesel Electric
CALL SIGN DBCK
PHONE INMARSAT 00870 7641 404 91
FAX INMARSAT 00870 7641 404 93
REGISTERED PORT & NUMBER Helgoland, Germany

(if registered fishing vessel)

6. CREW: NAME OF MASTER: Henning PapenhagenNUMBER OF CREW: 127. SCIENTIFIC PERSONNEL:

Dr. Jörn Schmidt

NAME & ADDRESS OF SCIENTIST IN CHARGELeibniz-Institut für Meereswissenschaften an der Universität Kiel
Düsternbrooker Weg 20
D 24105 KielTEL./TELEFAX No.

+49 431 600 4559

+49 431 600 4553

NUMBER OF SCIENTISTS:

8

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in latitude and longitude): *North Sea between 49°35'N and 53° N and from 01°30'W to 04°30'E*9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE:*Plankton sampling for the International Herring Larvae Survey (an Int. ICES progr.) and for an ICES co-ordinated cod and plaice egg survey. Horizontal and vertical distribution of fish egg and larvae.*10. DATES AND NAMES OF INTENDED PORTS OF CALL: None11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: None

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PART B: DETAIL

1. NAME OF RESEARCH SHIP F.S. **HEINCKE**
2. DATES OF CRUISE FROM **04.01.07** TO **19.01.07 (HE265)**
3. a) PURPOSE OF RESEARCH

The cruise is part of the ICES International Herring Larvae Surveys in 2004/2005, used gear is a plankton sampler ("Nackthai"), the samples are taken on a standard grid (Stations are 10 nm apart). Additional sampling is planned to map the distribution and abundance of cod and plaice eggs in the southern North Sea for a new initiated ICES survey. Stations will be the same as for the Herring Larvae Survey, used gear is a plankton sampler (Nackthai or Bongo). Additional sampling is intended to get informations on vertical and horizontal stratification of zoo- and ichthyoplankton. For this purpose an optical sampling device is used (Ichthyoplanktonrecorder IPR).

- b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear/trawl type, mesh size etc)

Plankton samples by "Nackthai" aperture 20 cm, mesh size 300 micron and by IPR opening 19,5 cm and mesh size 200 micron. Bongo aperture 60 cm, mesh size 500 micron.

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

see attached chart

5. a) TYPES OF SAMPLES REQUIRED

e.g. geological/water/plankton/fish/radionuclide:

Plankton

- 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, quantity of fish to be retained on board)

double oblique tows with plankton-samplers from surface to near bottom. Undulating tows with IPR.

6. DETAILS OF MOORING EQUIPMENT: *None*

DATES

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
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7. ANY HAZARDOUS MATERIAL (Chemicals, explosives, gases, radioactive, etc): *None*

(use separate sheet if necessary)

- (a) TYPE and TRADE NAME
- (b) CHEMICAL CONTENT (& FORMULA)
- (c) IMO IMDG CODE Reference and Un No.
- (d) QUANTITY & METHODS of STOWAGE 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 & REFERENCE OF:

(a) ANY RELEVANT PREVIOUS / FUTURE CRUISES:

The cruise is part of the International Herring Larvae Surveys which have been carried out annually since 1972.

(b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATIG TO THE PROPOSED CRUISE:

All data are published yearly by the ICES in "Report of the Herring Assessment Working Group for the Area South of 62°N".

9. NAMES AND ADDRESS OF SCIENTIST WITH WHOM PREVIOUS CONTACT HAS BEEN MADE:

Dr. John Simmonds, Marine Lab. Aberdeen

Dr. Paul Fernandes, Marine Lab. Aberdeen

10. STATE

(a) WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE WILL BE ACCEPTABLE:

YES/NO: *There is no plan to call a port. If the vessel will call a harbour, Scientists of the state concerned are welcome.*

(b) PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND PORTS FOR EMBARKATION /

DISEMBARKATION: *There is no plan to call a port. If observers want to participate in the cruise or parts of it, prior contact to the Leibniz-Institute or the cruise leader would be helpful to ensure that ports will be included in the cruise for embarkation/disembarkation.*

(c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE:

The data are available to all states which are members of ICES.

PART C: SCIENTIFIC EQUIPMENTCOASTAL STATE:

United Kingdom

PORT CALL:

No port of call

DATES:

04.01.- 19.01.2007

11. COMPLETE THE FOLLOWING TABLE

- separate page for **each** coastal state

(indicate 'YES' or 'NO')

LIST SCIENTIFIC WORK BY FUNCTION, eg: MAGNETOMETRY GRAVITY OLIVING SEISMICS BATHYMETRY SEABED SAMPLING ECHO SOUNDING WATER SAMPLING U/W T.V. MOORED INSTRUMENTS TOWED INSTRUMENTS	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERY RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS	DISTANCE FROM COAST		
				WITHIN 12 NM	BETWEEN 12 AND 200 NM	(CONTINENTAL SHELF WORK ONLY) BEYOND 200 NM BUT WITHIN CONTINENTAL MARGIN
Nackthai, Towed Plankton sampler	no	yes	no	yes	yes	yes
Bongo, Towed Plankton sampler	no	yes	no	yes	yes	yes
Ichthyoplanktonrecorder Towed optical plankton sampler	no	yes	no	yes	yes	yes

Alfred-Wegener-Institut
für Polar- und Meeresforschung
Bereich Logistik
Postfach 120161
D-27515 Bremerhaven

i. A. Inge Dierdorf

Dated 15. 08. 2006

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

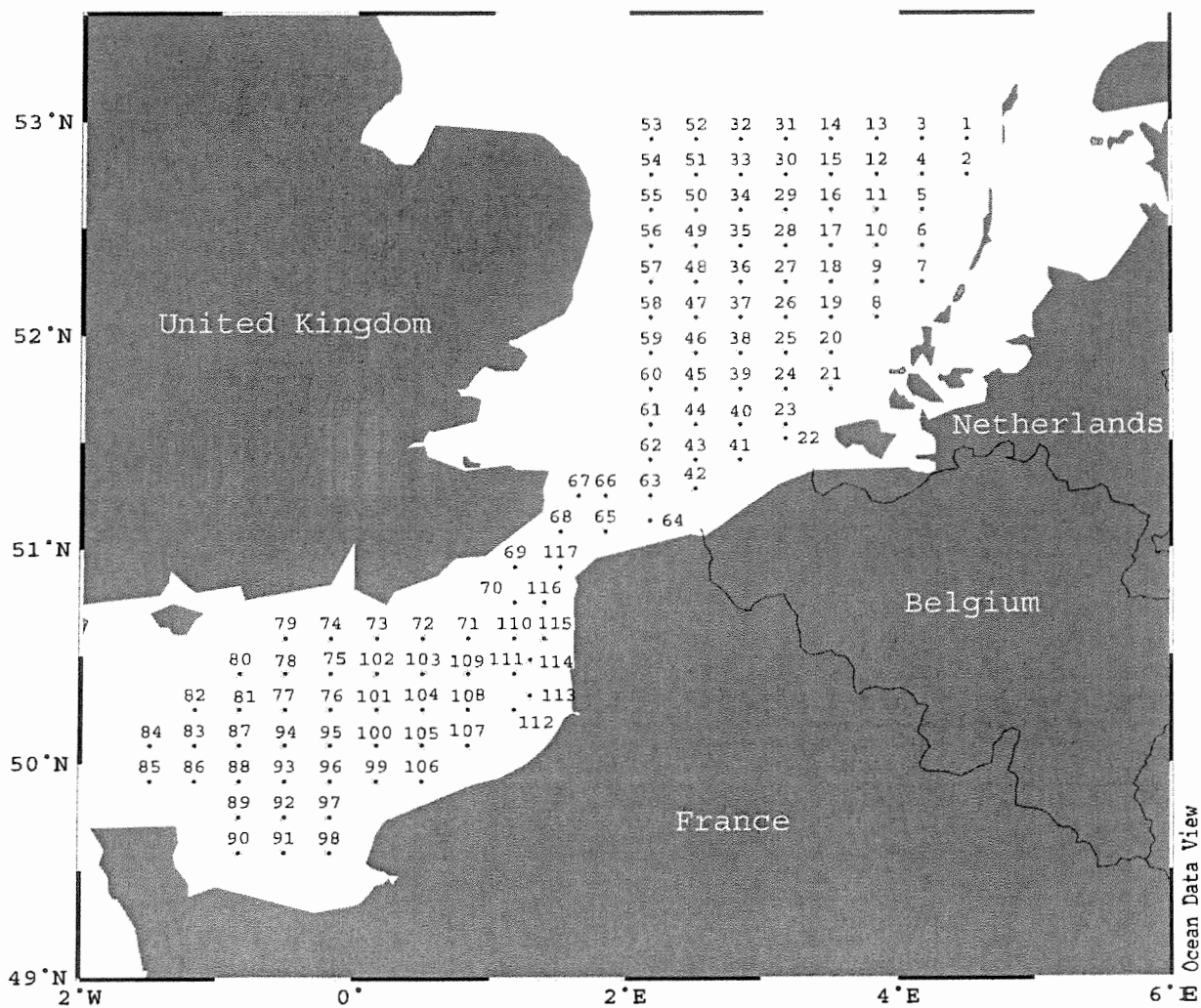


Figure 1. Proposed station grid in the Southern North Sea and the Channel