

NOTIFICATION OF PROPOSED RESEARCH CRUISEGENERAL
PART A

1. Name of ship **FS 'POSEIDON'**
2. Dates of cruise **23.07.-07.08.2011**
3. Operating Authority Leibniz-Institut für Meereswissenschaften
an der Universität Kiel
Wischhofstr. 1-3
D-24148 KIEL
Telephone +49 (0)431- 600 2132
Telefax +49 (0)431- 600 1601
e-mail forschungsschiffe@ifm-geomar.de
4. Owner (if different from para 3)
5. Particulars of ship:
- | | |
|-----------------|--|
| Name | POSEIDON |
| Nationality | German |
| Overall length | 60,80 metres |
| Maximal draught | 4,9 metres |
| BRT | 1049 BRT |
| Propulsion | Diesel Electric |
| Call Sign | DBKV |
| IMO no. | 7427518 |
| MMSI no. | 211204360 |
| Telephone | INMARSAT +870 761 651 773 |
| Telefax | INMARSAT +870 600 273 636 |
| e-mail | poseidon-b@skyfile.de |
6. Crew
- | | |
|----------------|------------------|
| Name of Master | Matthias Günther |
| No of Crew | 16 |
7. Scientific Personnel
- | | |
|----------------------|--|
| Scientist in charge: | Katrin Latarius |
| Name and address: | Universität Hamburg, Zentrum für Meeres-und
Klimaforschung, Institut für Meereskunde
Bundesstraße 53, D-20146 Hamburg |
| Phone: | +49 40-42838-6631 |
| Fax: | +49 40-7477 |
| e-mail: | katrin.latarius@zmaw.de |
| No of Scientists: | 9 |
8. Geographical area in which ship will operate (with reference to latitude and longitude)
Within Box: 62°N – 77°N, 16°W - 18°E (see fig.)
9. Brief description of purpose of cruise:
Mixing in the Nordic Seas at the fronts between boundary currents and basin gyres
10. Dates and names of intended ports of call:
Tromsø 7.-10.8.2011
11. Any special logistic requirement at ports of call: **crew change**

DETAIL

PART B

1. Name of research ship: **POSEIDON** Cruise No. **P418/2**
2. Dates of cruise from **23.07.2011** to **07.08.2011**
3. Purpose of research and general operational methods.
A) Measurements of the physical characteristics of the different water masses in the Nordic Seas by hydrographic (CTD, Underway CTD) and current (ADCP) measurements and with profiling floats (Argo floats).
B) Education of students
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.

See attachment

5. Types of samples required e.g. Geological/Water/Plankton/Fish/Radioactivity/Isotope

Water samples only

and methods by which samples will be obtained (including/dredging/coring/drilling).

Rosette sampler with CTD and IADCP, shipborne ADCP, thermosalinograph, Underway CTD, profiling floats

6. Details of moored equipment:

Dates:

<u>Deployment</u>	<u>tentative Recovery</u>	<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>
07/2007	23.07.-07.08.2011	CTD/current meters	74° 01.61'N	15° 30.62'W
07/2007	23.07.-07.08.2011	current meter	74° 00.26'N	15° 41.05'W
07/2007	23.07.-07.08.2011	CTD/current meters	73° 59.67'N	15° 59.01'W

7. Explosives: **None**

- (a) Type and Trade Name
- (b) Chemical content
- (c) Depth of Trade class and stowage
- (d) Size
- (e) Depth of detonation
- (f) Frequency of detonation
- (g) Position in latitude and longitude
- (h) Dates of detonation

8. Detail and reference of

- (a) Any relevant previous/future cruises

Lance cruise LA1805, Merian cruise MSM02-2

- (b) Any previously published research data relating to the proposed cruise. (Attach separate sheet if necessary)

Latarius, K. and D. Quadfasel, 2010: Seasonal to interannual variability of temperature and salinity in the Greenland Sea: heat and freshwater budgets. Tellus, Series A: Dynamic Meteorology and Oceanography, 62 (2), 497-515.

- 9. Names and addresses of scientists of the coastal state in whose waters the proposed cruise takes place with whom previous contact has been made.

Kjell Arne Mork

Institute of Marine Research Bergen
PO.Box 1870 Nordnes
N-5817 Bergen
Norway

10. State:

- (a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable.

Yes

- (b) Whether it will be acceptable to carry on board an observer from the coastal state for any part of the cruise and dates and ports of embarkation/disembarkation.

Yes, after discussion.

- (c) When research data from the intended cruise is likely to be made available to the coastal state and if so by what means.

**- Cruise Report three months after finishing the research cruise.
- Scientific publication within the following three years.**

SCIENTIFIC EQUIPMENT

COASTAL STATE: Norway

11. Complete the following table - SEPARATE COPY FOR EACH COASTAL STATE
(INDICATE 'YES' OR 'NO')

List of all major Marine Scientific Equipment it is proposed to use and indicate waters in which it will be deployed.	Fisheries Research Within Fishing Limits	Research concerning Continental Shelf out to coastal state's margin	DISTANCE FROM COAST (BASELINES)			
			Within 3 NM	Between 3 - 12 NM	Between 12 - 50 NM	Between 50 - 200 NM
a) CTD Sonde / IADCP	No	No	No	Yes	Yes	Yes
b) Rosette water sampler (S, T, O ₂)	No	no	No	Yes	Yes	Yes
c) Shipboard ADCP	No	No	No	Yes	Yes	Yes
d) Shipboard Thermosalinograph	No	no	No	Yes	Yes	Yes
e) Shipboard meteorological measurements	No	No	No	Yes	Yes	Yes
f) Underway CTD measurements	No	No	No	Yes	Yes	Yes
g) profiling floats	No	No	No	Yes	Yes	Yes
i) mooring recovery	No	No	No	Yes	Yes	Yes

(On behalf of the Principal Scientist)

Dated: 9/12/2010Operating Authority: Lackschewitz

N.B. IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES / AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STATE'S AUTHORITIES MUST BE NOTIFIED IMMEDIATELY.

Attachment: Cruise Map

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IFM-GEOMAR
Forschungsschiff "Albatross" Research Vessels
Technik- und Logistikzentrum
Dr. Klas S. Lackschewitz
Wischofstraße 1-3, 24148 Kiel

Intended station map of POSEIDON cruise P418/2

