

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF SHIP: F.S. "Poseidon" Cruise No. P456  
2. DATES OF CRUISE: FROM: 21th July 2013 TO: 4th August 2013

3. OPERATING AUTHORITY: GEOMAR  
Helmholtz-Zentrum für Ozeanforschung Kiel  
Wischhofstraße 1-3  
D-24148 KIEL  
Telephone +49 (0)431- 600 2132  
Telefax +49 (0)431- 600 1601  
E-Mail klackschewitz@geomar.de

4. OWNER: (if different from para 3)

5. PARTICULARS OF SHIP:

|                 |                                     |
|-----------------|-------------------------------------|
| Name            | POSEIDON                            |
| Nationality     | German                              |
| Overall length  | 60,80 metres                        |
| Maximal draught | 4,90 metres                         |
| BRT             | 1105 BRT                            |
| Propulsion      | Diesel Electric                     |
| Call Sign       | DBKV                                |
| IMO no.         | 7427518                             |
| MMSI no.        | 211204360                           |
| Telephone       | INMARSAT 00870761651773             |
| Telefax         | INMARSAT 00870600273636             |
| E-Mail          | bruecke@poseidon.briese-research.de |

6. CREW: NAME OF MASTER: Matthias Günther  
NUMBER OF CREW: 15

7. SCIENTIFIC PERSONNEL:

NAME & ADDRESS OF SCIENTIST IN CHARGE

Saskia Brix, PhD

German Centre for Marine Biodiversity Research (DZMB)  
Senckenberg Research Institute  
c/o Biocentrum Grindel  
Martin-Luther-King Platz 3  
20146 Hamburg

TEL./TELEFAX No. Phone: +49 (0)40 42838 2294, email: [sbrix@senckenberg.de](mailto:sbrix@senckenberg.de)

NUMBER OF SCIENTISTS: 11

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in latitude and longitude): To the North of North Shetland, Faeroe EEZ, Western coast of Iceland EEZ

Stations on Iceland EEZ:

|            |            |             |
|------------|------------|-------------|
| Station 5  | N 66.31667 | W -12.37722 |
| Station 6  | N 65.35389 | W -11.61667 |
| Station 7  | N 64.51972 | W -12.97528 |
| Station 8  | N 64.00667 | W -13.87861 |
| Station 9  | N 63.23667 | W -15.06    |
| Station 10 | N 62.70167 | W -16.2075  |
| Station 11 | N 62.37611 | W -13.36333 |

Station 12    N 63.44528    W -11.24528  
Station 13    N 64.45056    W -9.14361

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE:

Bottom samples to study the biodiversity of benthic communities between Iceland and Faeroe at the Iceland-Faeroe Ridge and comparing with Southern Norwegian Sea

10. DATES AND NAMES OF INTENDED PORTS OF CALL:    4.8. – 7.8.2013 Reykjavik

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:    None

**NOTIFICATION OF PROPOSED RESEARCH CRUISE**

PART B: GENERAL

1. NAME OF RESEARCH SHIP FS POSEIDON

2. DATES OF CRUISE    FROM 21th July 2013    TO 4th August 2013

3. a) PURPOSE OF RESEARCH

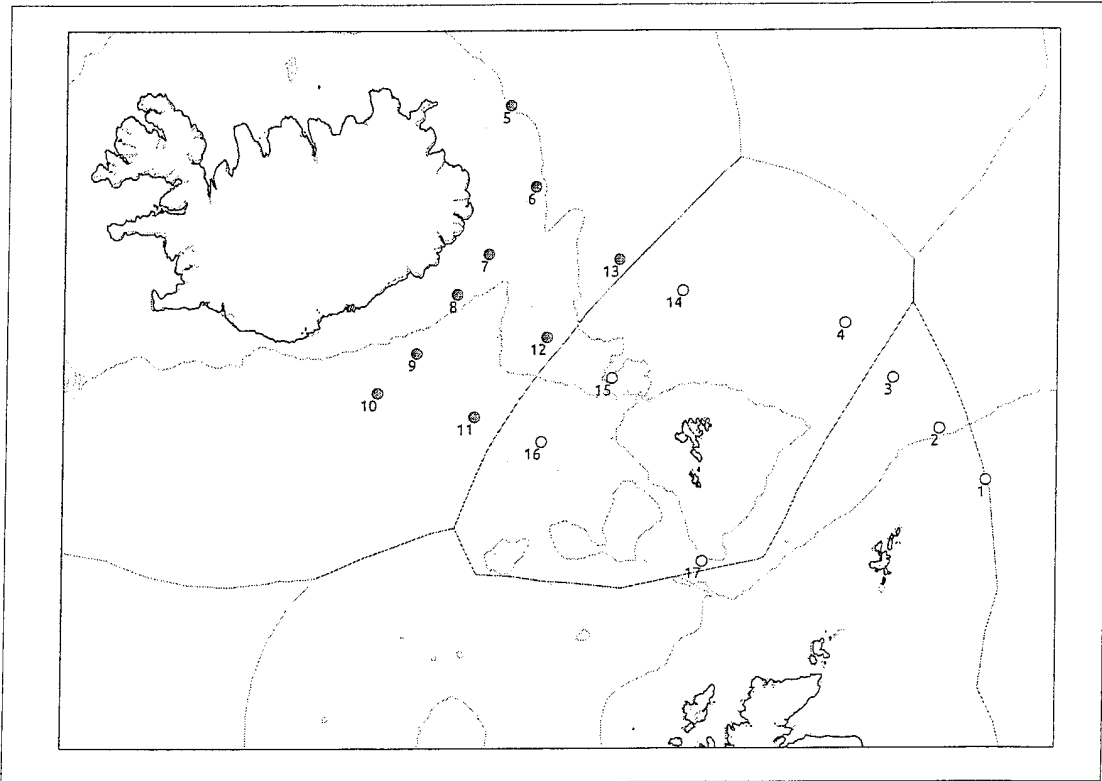
Bottom samples to study the biodiversity of benthic fauna, and the distribution of marine species in the area between Iceland and Faeroe Islands and compare with the Southern Norwegian Sea.

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

1. Boxcorer, the sample box is 50cm x 50 cm, sampling 0,25 m<sup>2</sup> sediment from the sea floor
2. Multicorer, with 12 x Tubes (10cm diameter), sampling 12 x 78 cm<sup>2</sup> of sediment from sea floor
3. Epibenthic sledge, trawled device for small organisms, with mesh-size 300µm
4. Bottom trawl, 3,5 m opening, 5 cm mesh size for bigger bottom organism
5. CTD, measures salinity, temperature of the water
6. Multiple beam sonar 150 kc, for bottom depth and bottom topography

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:

Relevant to Iceland are only the stations marked in red



5. a) TYPES OF SAMPLES REQUIRED

bottom sediments to study the fauna

b) METHODS OF OBTAINING SAMPLES

coring with Boxcorer and Multicorer, dredging with Epibenthic sledge and bottom trawl

6. DETAILS OF MOORING EQUIPMENT: NO moorings

7. ANY HAZARDOUS MATERIAL (Chemicals, explosives, gases, radioactive, etc):

(use separate sheet if necessary)

- (a) TYPE and TRADE NAME: Ethyl Alcohol  
(Ethanol)
- (b) CHEMICAL CONTENT (& FORMULA): CH<sub>3</sub>CH<sub>2</sub>OH
  
- (c) IMO IMDG CODE Reference and Un No.: UN Number: 1170
  
- (d) QUANTITY & METHODS of STOWAGE ON BOARD: 300 Liter
  
- (e) TYPE and TRADE NAME: Formaldehyde solution 37%
- (f) CHEMICAL CONTENT (& FORMULA): HCHO/H<sub>2</sub>O/CH<sub>3</sub>OH
  
- (g) IMO IMDG CODE Reference and Un No.: 1198
- (h) QUANTITY & METHODS of STOWAGE ON BOARD: 100 Liter
  
- (i) IF EXPLOSIVES give date(s) of detonation
  - NO explosives

8. DETAIL & REFERENCE OF:

(a) ANY RELEVANT PREVIOUS / FUTURE CRUISES:  
Iceage, Meteor 85/3 and icelandic Biolce cruises

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

Brix, S., Svavarsson, J., (2010): Distribution and diversity of desmosomatid and nannoniscid isopods (Crustacea) on the Greenland–Iceland–Faeroe Ridge. *Polar Biology* 33 (4):515–530. doi:10.1007/s00300-009-0729-8.

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

Jörundur Svavarsson, Prófessor í sjávarlíffræði, Líffræðistofnun Háskólans, Sjávarlíffræðisetur, Aragötu 9, 101 Reykjavík

10. STATE

- (a) WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE 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 AND PORTS FOR EMBARKATION / DISEMBARKATION. Prof Svavarsson and one additional icelandic student will take part on the cruise
  
- (c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE : Cruise report 3 months after cruise, scientific data 1 year after cruise

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE:

Iceland

PORT CALL:

DATES:

11. COMPLETE THE FOLLOWING TABLE

- separate page for each coastal state

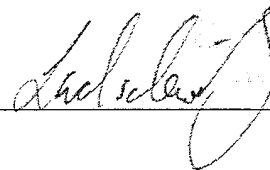
(indicate 'YES' or 'NO')

|   |  |  |  | DISTANCE FROM COAST |                  |                   |
|---|--|--|--|---------------------|------------------|-------------------|
|   |  |  |  | WITHIN 4 NM         | BETWEEN 4 -12 NM | Between 12-200 nm |
| LIST SCIENTIFIC WORK BY FUNCTION, eg:<br>MAGNETOMETRY<br>GRAVITY OLIVING<br>SEISMICS<br>BATHYMETRY<br>SEABED SAMPLING<br>ECHO SOUNDING<br>WATER SAMPLING<br>U/W T.V.<br>MOORED INSTRUMENTS<br>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 |                     |                  |                   |
| Bathymetry  | no   | no                                     | yes  | no                  | no               | yes               |
| Box corer   | yes  | no                                     | yes  | no                  | no               | yes               |
| Multicorer  | yes  | no                                     | yes  | no                  | no               | yes               |
| Epi-benthic sledge  | yes  | no                                     | yes  | no                  | no               | yes               |
| Bottom trawl  | yes  | no                                     | yes  | no                  | no               | yes               |

(On behalf of the Principal Scientist)

Dated: 10/1/2013

Operating Authority: \_\_\_\_\_



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.

(4)