**NOTIFICATION OF PROPOSED RESEARCH CRUISE**

**Part A: GENERAL**

**1.** Name of research ship: ***R.V. SONNE*** Cruise No. **SO**

**2.** Dates of cruise **from**

 **to**

**3.** Operating Authority ***Institute of Geology / Universität Hamburg***

 ***Bundesstr. 55, D-20146 Hamburg, Germany***

 ***Tel.: +49-40-42838-3640 - Fax: +49-40- 4273-10063***

**4.** Owner (if different ***Federal Ministry of Education and Research, Germany***

 from para 3)

**5.** Particulars of ship: Name ***SONNE***

 Nationality ***German***

 Overall length ***118,42 metres***

 Maximum draught ***6,60 metres***

 Net tonnage ***2.566 NT***

 Propulsion ***Diesel Electric***

 Call sign ***DBBE***

 IMO No. ***9633927***

**6.** Crew Name of master ***NN***

 No. of crew ***max. 32***

**7.** Scientific personnel: Name and address of

 scientist in charge:

 Phone:

 Fax:

 Email:

 No. of scientists ***max. 40***

**8.** Geographical areas in which ship will operate (with reference in latitude and longitude):

**9.** Brief description of purpose of cruise:

**10.** Dates and names of intended ports of call:

**11.** Any special logistic requirements at ports of call:

**Crew change; unloading/ loading of equipment; logistics; bunkering.**

**Part B: DETAIL**

**1.** Name of research ship: ***R.V. SONNE*** Cruise No. **SO**

**2.** Dates of cruise **from**

 **to**

**3.** Purpose of research and general operational methods:

**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:

Estimated date of first entry into EEZ of coastal state:

Estimated last exit from EEZ of coastal state:

Multiple EEZ entries/exits during the research cruise? **YES/NO**

**5.** Types of samples required (e.g., Geological / Water / Plankton / Fish / Radioactivity / Isotope) and (**b**) methods by which samples will be obtained (including dredging / coring / drilling/ fishing etc.).

|  |  |
| --- | --- |
|  **(a) Type of samples** | **(b) Method** |
|  |  |
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**6.** Details of moored equipment:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Laying** | **Recovery** | **Description** | **Latitude** | **Longitude** |
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**7.** Explosives:

 (a) Type and Trade name

 (b) Chemical content

 (c) Dept 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:

 (**b**) Any previous published research data relating to the proposed cruise. (Attach separate sheet if necessary.):

**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:

**10.** State:

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

 (**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:

 (**c**) When research data from 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.***

**Part C: SCIENTIFIC EQUIPMENT** COASTAL STATE:

**11.** Complete the following table - (indicate 'YES' or 'NO'):

 ***Please add in “b” the equipment you will bring to the vessel and complete the table with yes or no. Note that forgotten equipment can led to restrictions in research.***

|  |  |  |  |
| --- | --- | --- | --- |
| **List of all major marine scientific equipment it is proposed to use.** | **Fisheries research within fishing limits** | **Research concerning continental shelf out to State's margin** | **Waters in which equipment will be deployed** |
| **within****3 NM** | **between****3-12 NM** | **between****12-50 NM** | **between****50-200 NM** |
|  |  |  |  |  |  |  |
| **a. vessel mounted systems**  |
| ADCP current profiler |  |  |  |  |  |  |
| Fisheries echosounderKONGSBERG EK60 |  |  |  |  |  |  |
| USBL underwater positioning |  |  |  |  |  |  |
| Multibeam echosounder |  |  |  |  |  |  |
| Sub-bottom profilerParasound P70 |  |  |  |  |  |  |
| Hydrophone |  |  |  |  |  |  |
| Permanent surface water sampling / analysis (incl. Thermosalinograph) |  |  |  |  |  |  |
| **b. mobile equipment**  |
| Sound velocity probeVALEPORT MIDAS SVX 2 |  |  |  |  |  |  |
| XSV Expendable Sound Velocimeter |  |  |  |  |  |  |
| CTD rosette water samplerSEABIRD SBE911plus |  |  |  |  |  |  |
| OFOS Ocean Floor Observation System |  |  |  |  |  |  |
| Drone |  |  |  |  |  |  |
| Meteorological Sensors |  |  |  |  |  |  |
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Hamburg, dd.mm.20yy

Date (On behalf of the principal scientist)

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