**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date**:

1. **Applicant** **Details:**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| Name  |  |  |  |  |
| Address |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. **Vessel Identification**:
 |  |  |  |  |  |  |
| Name of Vessel | **SONNE** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Vessel Type: (Select as appropriate) |  |  |  |  |  |  |
|  | Single Purse Seiner |  | Other |  |  |  |  |  |
|  | Longliner |  |  |  | Specify |  |  |  |
|  | Pole and Liner |  |  |  |  |  |  |  |  |
|  | **Research** | **x** |  |  |  |
|  |  |  |  |  |  |  |
| Country of Registration | **GERMANY** | Country of Registration Number | **Wilhelmshaven, Germany** |  |  |  |
| International Radio Call Sign | **+870 7732 38117 / +881 623 457 308 Iridium open port** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1. **Vessels Specifications**:
 |  |  |  |  |  |
| Year Built | **2012-2014** | Gross Tonnage | **8554 GT** |  |  |  |
| Breadth | **20,60m** | Overall Length | **118,42** |  |  |
| Depth | **6,40m** | Main Engines Power (specify units) | **12,5 knmax 15 kn** | Crew Size | **32** |  |
|  |  |  |  |  |  |

1. **Vessel Refrigeration:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Refrigeration Method | **Not applicable****Refrigerant (Kältemittel) R134a** | **Not applicable****Refrigerant (Kältemittel) R134a** |  |  |
| If Brine, NaCl or CaCl |  |  |  |  |
| Storage Temperature | **-20°C** | **+2°C** |  |  |
| Storage Capacity | **16m2** | **20m**2 |  |  |
|  |  |  |  |  |

1. **Catch Landing:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a. | **Not applicable (no fishery vessel or fishery science**) |  |  |  |
| b. |  |  |  |  |
| c. |  |  |  |  |

1. **Details of Research or Training (In case of multiple voyages during validity period of permit; this item must be completed for each voyage)**

Kurze Beschreibung des Projekts, Messmethoden, Fahrtroute etc.

|  |  |  |
| --- | --- | --- |
| Area of Operation |  |  |
| Itinerary |  |  |
| Purpose |  |  |
| Specific Objective |  |  |
| Method of: | Research |  |
|  | Training |  |
|  | Other |  |
| Chief Investigator |  |  |
| Chief Instructor |  |  |
| Number of Scientific party, if different from crew size (above) |  | **xx scientists** |

***Detail map of proposed mooring site***

1. **Capacity of Vessel to Accommodate Scientific Participants or Trainees:**

Total capacity: 40 Scientists

1. **Operation Cost**

40.000 $ per day

**Appendix: Scientific Equipment**

|  |  |  |  |
| --- | --- | --- | --- |
| List of all major marine scientific equipment | Fisheries research within fishing limits | Research concerning continental shelf out to State's margin | Waters in which equipment will be deployed |
| \*within3 NM | \*between3-12 NM | between12-50 NM | between50-200 NM |
|  |  |  |  |  |  |  |
| **(a) vessel mounted systems** |
| ADCP current profiler |  |  |  |  |  |  |
| Fisheries echosounderKONGSBERG EK60 |  |  |  |  |  |  |
| USBL underwater positioningIXBLUE POSIDONIA |  |  |  |  |  |  |
| Multibeam echosounder |  |  |  |  |  |  |
| sub-bottom profilerTELEDYNE ParaSound P70 |  |  |  |  |  |  |
| Hydrophone |  |  |  |  |  |  |
| Permanent surface water sampling / analysis |  |  |  |  |  |  |
| **(b) mobile equipment** |
| CTD rosette water samplerSEABIRD SBE911plus |  |  |  |  |  |  |
| Sound velocity probeVALEPORT MIDAS SVX 2 |  |  |  |  |  |  |
| XSV Expendable Sound Velocimeter |  |  |  |  |  |  |
| OFOS Ocean Floor Observation System |  |  |  |  |  |  |
| Drone |  |  |  |  |  |  |
| Meteorological sensors |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |