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

**Date**:

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | |  |  |  |
| Name |  |  |  |  |
| Address |  |  |  |  |
|  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 kn max 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 | | | | | |
| \*  within  3 NM | | \*  between  3-12 NM | | between  12-50 NM | between  50-200 NM |
|  |  |  |  | |  | |  | |  |
| **(a) vessel mounted systems** | | | | | | | | | |
| ADCP current profiler |  |  | |  | |  | |  |  |
| Fisheries echosounder  KONGSBERG EK60 |  |  | |  | |  | |  |  |
| USBL underwater positioning  IXBLUE POSIDONIA |  |  | |  | |  | |  |  |
| Multibeam echosounder |  |  | |  | |  | |  |  |
| sub-bottom profiler  TELEDYNE ParaSound P70 |  |  | |  | |  | |  |  |
| Hydrophone |  |  | |  | |  | |  |  |
| Permanent surface water sampling / analysis |  |  | |  | |  | |  |  |
| **(b) mobile equipment** | | | | | | | | | |
| CTD rosette water sampler  SEABIRD SBE911plus |  |  | |  | |  | |  |  |
| Sound velocity probe  VALEPORT MIDAS SVX 2 |  |  | |  | |  | |  |  |
| XSV Expendable Sound Velocimeter |  |  | |  | |  | |  |  |
| OFOS Ocean Floor Observation System |  |  | |  | |  | |  |  |
| Drone |  |  | |  | |  | |  |  |
| Meteorological sensors |  |  | |  | |  | |  |  |
|  |  |  | |  | |  | |  |  |
|  |  |  | |  | |  | |  |  |