

## APPLICATION FOR A RESEARCH CRUISE WITHIN A COASTAL STATE'S FISHERY LIMITS

A. GENERAL

1. **NAME OF RESEARCH SHIP** DANA **CRUISE NO.** 08/2016
2. **DATES OF CRUISE** **FROM** 2/8 2016 **TO** 19/8 2016
3. **OPERATING AUTHORITY** DTU Aqua (Danish Institute for Fisheries Research)  
Charlottenlund Castle  
DK-2920 Charlottenlund  
Telephone: +45 35 88 33 00 Fax.: +45 35 88 33 33 E-mail: aqua@aqua.dtu.dk
4. **OWNER (if different for para.3)** DTU Aqua  
Charlottenlund Castle, DK-2920 Charlottenlund
5. **PARTICULARS OF SHIP**
- |                                     |                                      |
|-------------------------------------|--------------------------------------|
| <b>NAME</b>                         | DANA                                 |
| <b>NATIONALITY</b>                  | Danish                               |
| <b>OVERALL LENGTH (metres)</b>      | 80 metres                            |
| <b>MAXIMUM DRAUGHT (metres)</b>     | 6.3 metres                           |
| <b>NET TONNAGE</b>                  | 669.53 t                             |
| <b>METHOD OF PROPULSION</b>         | Steam Turbine/Diesel/Diesel Electric |
| <b>CALL SIGN</b>                    | OXBH                                 |
| <b>REGISTERED PORT &amp; NUMBER</b> | Hirtshals                            |
| (if reg. fishing vessel)            |                                      |
6. **CREW**
- |                       |               |
|-----------------------|---------------|
| <b>NAME OF MASTER</b> | Claus Persson |
| <b>NUMBER OF CREW</b> | 20            |
7. **SCIENTIFIC PERSONNEL**
- |  |  |
|--|--|
| <b>NAME AND ADDRESS OF SCIENTIST IN CHARGE</b> | Kai Wieland / Helle Rasmussen<br>DTU Aqua<br>North Sea Center<br>DK-9850 Hirtshals |
| <b>TEL NO / FAX NO</b>                         | +45 35 88 33 00 / +45 35 88 33 33  |
| <b>NUMBER OF SCIENTISTS</b>                    | 10   |
8. **GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude and Longitude):**  
51°00'N - 58°00'N, 02°00'W -10°00'E
9. **BRIEF DESCRIPTION OF PURPOSE OF CRUISE:**  
IBTS (International Bottom Trawl Survey)
10. **DATES AND NAMES OF INTENDED PORTS OF CALL:**  
NONE
11. **ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:**  
NONE

## B. DETAIL

1. **NAME OF RESEARCH SHIP** DANA **CRUISE NO.** 08/2016
2. **DATES OF CRUISE** **FROM** 2/8 2016 **TO:** 19/8 2016
3. **PURPOSE OF RESEARCH AND GENERAL OPERATIONAL METHODE**  
International Bottom Trawl Survey. Trawling.
4. **PLEASE ATTACH CHART showing, at the appropriate scale the geographical area of the intended work, the areas to be fished, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment etc.:**  
See map
- 5a. **TYPES OF SAMPLES REQUIRED e.g. Geological/water/plankton/fish. If fishing gear is to be used please indicate what fish stocks will be worked, the maximum quantity required of each species/stock and the quantity of fish to be retained on board:**  
Fish: Herring, cod, haddock, whiting, sprat, Norway pout, mackerel, fish larvae and water
- 5b. **METHODS BY WHICH SAMPLES WILL BE OBTAINED (e.g. dredging/coring/drilling/fishing etc.)**  
Fishing
- 6a. **DETAILS OF MOORED EQUIPMENT:**
- | <b>Dates:</b> | <b><u>Laying</u></b> | <b><u>Recovery</u></b> | <b><u>Description</u></b> | <b><u>Latitude</u></b> | <b><u>Longitude</u></b> |
|---------------|----------------------|------------------------|---------------------------|------------------------|-------------------------|
| None          |                      |                        |                           |                        |                         |
- 6b. **FULL DESCRIPTION FOR ALL FISHING GEAR TO BE USED (e.g. bottom trawl, mesh size, attachments etc.):**  
GOV-trawl: Bottom trawl (16 mm)  
ISAAC-KIDD MIDWATER TRAWL: Pelagic (larvae) (5 mm).
7. **ANY HAZARDOUS MATERIALS e.g. chemicals/explosives/gases/radioactives etc)**  
(use seperate sheet if necessary) None
- (a) **TYPE OF TRADE NAME**
- (b) **CHEMICAL CONTENT (& FORMULA)**
- (c) **IMO IMDG CODE Reference & UN Number**
- (d) **QUANTITY & METHODS OF STOWAGE ON BOARD**
- (e) **IF EXPLOSIVES give date(s) of detonation**
- Method of detonation
  - Position of detonation
  - Frequency of detonation
  - Depth of detonation
  - Size of explosive charge in Kgs
8. **PLEASE SET OUT DETAILS OF:**
- (a) **ANY RELEVANT PREVIOUS/FUTURE CRUISES:**  
NS-IBTS 1981 – 2015
- (b) **ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE: (Attach separate sheet if necessary)**  
ICES IBTSWG several reports

**9. NAMES AND ADDRESSES OF SCIENTISTS IN COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE:**

Jim Ellis	Finlay Burns
CEFAS	Marine Scotland Science
Lowestoft Laboratory	Marine Laboratory
Lowestoft	Aberdeen
UK	UK

**10. STATE:**

**(a) WHETHER VISITS TO THE SHIP IN PORT BY COASTAL STATE SCIENTISTS WILL BE ACCEPTABLE:**

YES

**(b) WHETHER IT WILL BE ACCEPTABLE TO CARRY ON BOARD AN OBSERVER FOR ANY PART OF THE CRUISE**

YES

**(If 'yes' please indicate possible dates and ports of embarkation/disembarkation)**

By Special arrangement

**(c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AUTHORITIES AND BY WHAT MEANS:**

ICES DATRAS September 2016, IBTSWG April 2017

**If the report will not be available within 12 months of the cruise, please set out, an explanation for the delay indicating when the report will be available.**

12. SCIENTIFIC EQUIPMENT

COASTAL STATE: United Kingdom

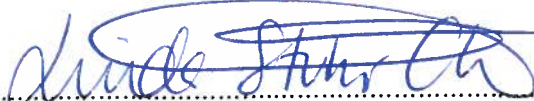
PORT CALL: None

DATES: 2/8 – 19/8 2016

Complete the following table –  
separate copy for each coastal state

**Indicate 'yes' or 'no' other than for fishing gear when the total hours of fishing in each zone should be indicated**

LIST SCIENTIFIC WORK BY FUNCTION	Water Column	Fisheries Research within fishing limits	Research concerning Continental shelf out of Coastal State's margin	DISTANCE FROM COAST		
				Within 3 NM	Between 3-12 NM	Between 12 and 200 NM
e.g. : Magnetometry Gravity diving Seismics Bathymetry Seabed sampling Trawling Echo sounding Water sampling U/W TV Moored instruments Towed instruments						
Trawling	Yes	Yes	No	No	No	Yes
Water sampling	Yes	Yes	No	No	No	Yes
CTD	Yes	Yes	No	No	No	Yes
ISAAC-KIDD	Yes	Yes	No	No	No	Yes
Echo sounding	Yes	Yes	No	No	No	Yes

  
.....  
(On behalf of the Principal Scientist)

Dated: 2/3-16

**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.**