

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

Territorial waters of UK Scotland and UK England

A. GENERAL

1. **NAME OF RESEARCH SHIP** CETON S205 **CRUISE NO.** 12/2019
2. **DATES OF CRUISE** **FROM** 01/7 2019 **TO** 20/7 2019
3. **OPERATING AUTHORITY**
3. **OPERATING AUTHORITY** DTU Aqua (National Institute of Aquatic Resources)
Kemitorvet, Building 202
DK-2800 Kgs. Lyngby
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)**
5. **PARTICULARS OF SHIP**
- | | |
|-------------------------------------|--------------------------------------|
| NAME | CETON S205 |
| NATIONALITY | Danish |
| OVERALL LENGTH (metres) | 62.6 metres |
| MAXIMUM DRAUGHT (metres) | 7.8 metres |
| NET TONNAGE | 1337 t |
| METHOD OF PROPULSION | Steam Turbine/Diesel/Diesel Electric |
| CALL SIGN | OYEC |
| REGISTERED PORT & NUMBER | Skagen |
| (if reg. fishing vessel) | |
6. **CREW**
- | | |
|-----------------------|------------------|
| NAME OF MASTER | Johannes Claeson |
| NUMBER OF CREW | 9 |
7. **SCIENTIFIC PERSONNEL**
- | | |
|--|--|
| NAME AND ADDRESS OF SCIENTIST IN CHARGE | Kai Wieland
DTU Aqua
North Sea Science Park
Willemoesvej 2
DK-9850 Hirtshals |
| TEL NO / FAX NO | +45 35 88 33 00 / +45 35 88 33 33 |
| NUMBER OF SCIENTISTS | 4 |
8. **GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE** (with reference in Latitude and Longitude):
54°00'N - 60°00'N , 02°00'W -12°00'E
9. **BRIEF DESCRIPTION OF PURPOSE OF CRUISE:**
IESSNS (International Ecosystem Summer Survey in the Nordic Seas) extended to the North Sea
10. **DATES AND NAMES OF INTENDED PORTS OF CALL:**
NONE
11. **ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:**
NONE

7. ANY HAZARDOUS MATERIALS e.g. chemicals/explosives/gases/radioactives etc)
(use separate 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:

Ceton S205 IESSNS 2018 2-13 July

(b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE: (Attach separate sheet if necessary)

Working Document to ICES Working Group on Widely Distributed Stocks (WGWISE, No. 05), Havstovan, Tórshavn, Faroe Islands, 28. August – 3. September 2018. Cruise report from the International Ecosystem Summer Survey in the Nordic Seas (IESSNS) 30th of June – 6th of August 2018.

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:

Cruise Summary Report and Working document to ICES WGWISE fall 2019

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

Complete the following table –
separate copy for each coastal state

DATES: 01/7 – 20/7 2019

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

<u>LIST SCIENTIFIC WORK BY FUNCTION</u> e.g. : Magnetometry Gravity diving Seismics Bathymetry Seabed sampling Trawling Echo sounding Water sampling U/W TV Moored instruments Towed instruments	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
Trawling	Yes	Yes	No	No	No	Yes
Water sampling	Yes	Yes	No	No	No	Yes
CTD	Yes	Yes	No	No	No	Yes
Echo sounding	Yes	Yes	No	No	No	Yes

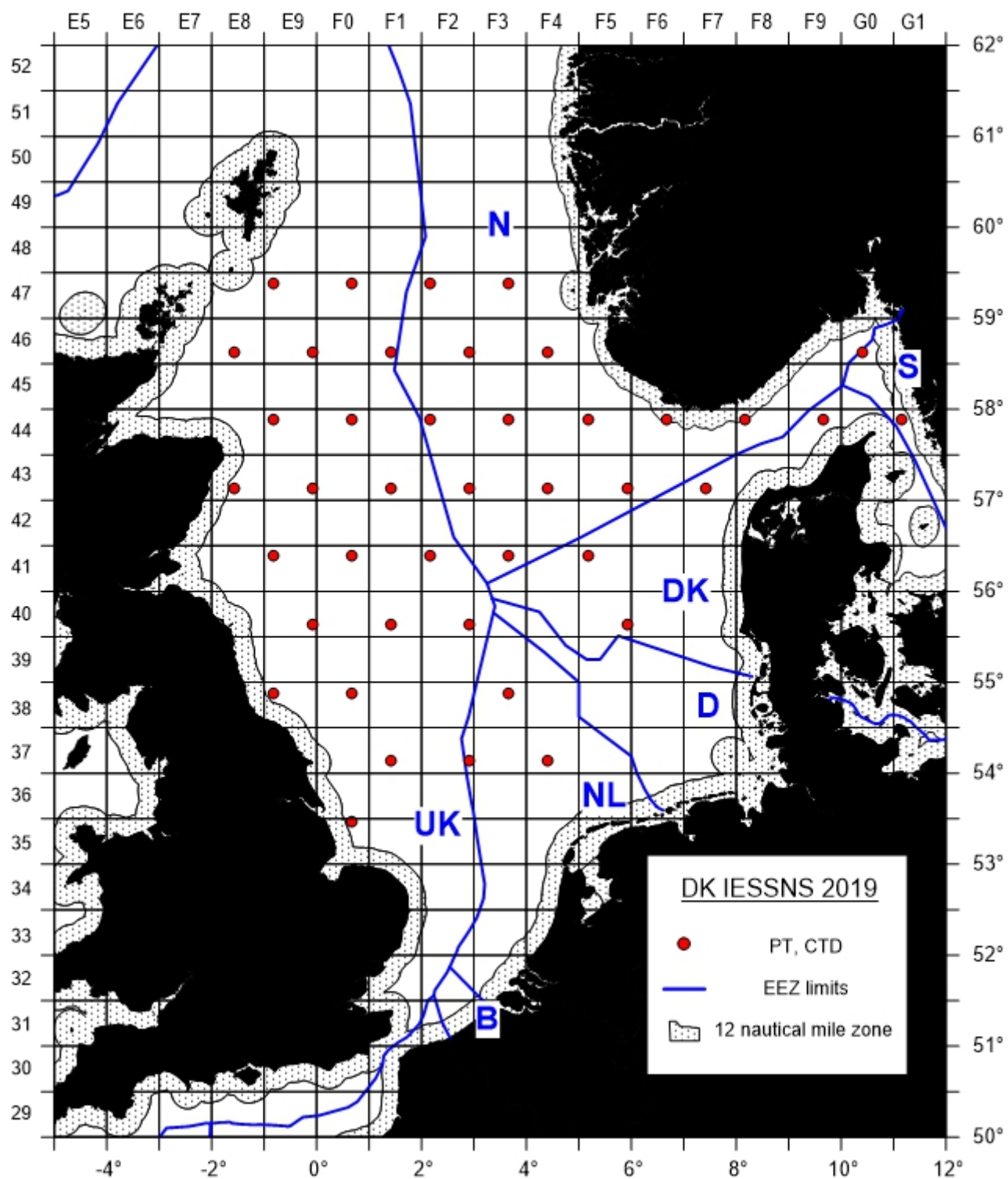
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Dated:

(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.

Survey map



Station list

Survey	Year	Gear	Stat_nr	Lat_Dec	Lon_Dec	Lat_DegMin	Lon_DegMin	expected depth (m)
IESSNS	2019	PT, CTD	1	59.38	3.67	59° 22.8' N	3° 39.6' E	240
IESSNS	2019	PT, CTD	2	59.38	2.17	59° 22.8' N	2° 9.6' E	120
IESSNS	2019	PT, CTD	3	59.38	0.67	59° 22.8' N	0° 39.6' E	125
IESSNS	2019	PT, CTD	4	59.38	-0.83	59° 22.8' N	0° 49.8' W	125
IESSNS	2019	PT, CTD	5	58.63	4.42	58° 37.8' N	4° 24.6' E	260
IESSNS	2019	PT, CTD	42	58.63	10.42	58° 37.8' N	1° 0.24' E	269
IESSNS	2019	PT, CTD	6	58.63	2.92	58° 37.8' N	2° 54.6' E	110
IESSNS	2019	PT, CTD	7	58.63	1.42	58° 37.8' N	1° 24.6' E	120
IESSNS	2019	PT, CTD	8	58.63	-0.08	58° 37.8' N	0° 4.8' W	140
IESSNS	2019	PT, CTD	9	58.63	-1.58	58° 37.8' N	1° 34.8' W	115
IESSNS	2019	PT, CTD	41	57.88	11.17	57° 52.8' N	1° 0.06' E	62
IESSNS	2019	PT, CTD	10	57.88	9.67	57° 52.8' N	9° 39.6' E	93
IESSNS	2019	PT, CTD	11	57.88	8.17	57° 52.8' N	8° 9.6' E	470
IESSNS	2019	PT, CTD	12	57.88	6.67	57° 52.8' N	6° 39.6' E	365
IESSNS	2019	PT, CTD	13	57.88	5.17	57° 52.8' N	5° 9.6' E	120
IESSNS	2019	PT, CTD	14	57.88	3.67	57° 52.8' N	3° 39.6' E	80
IESSNS	2019	PT, CTD	15	57.88	2.17	57° 52.8' N	2° 9.6' E	75
IESSNS	2019	PT, CTD	16	57.88	0.67	57° 52.8' N	0° 39.6' E	135
IESSNS	2019	PT, CTD	17	57.88	-0.83	57° 52.8' N	0° 49.8' W	100
IESSNS	2019	PT, CTD	18	57.13	7.42	57° 7.8' N	7° 24.6' E	46
IESSNS	2019	PT, CTD	19	57.13	5.92	57° 7.8' N	5° 54.6' E	46
IESSNS	2019	PT, CTD	20	57.13	4.42	57° 7.8' N	4° 24.6' E	62
IESSNS	2019	PT, CTD	21	57.13	2.92	57° 7.8' N	2° 54.6' E	70
IESSNS	2019	PT, CTD	22	57.13	1.42	57° 7.8' N	1° 24.6' E	95
IESSNS	2019	PT, CTD	23	57.13	-0.08	57° 7.8' N	0° 4.8' W	85
IESSNS	2019	PT, CTD	24	57.13	-1.58	57° 7.8' N	1° 34.8' W	75
IESSNS	2019	PT, CTD	25	56.38	5.17	56° 22.8' N	5° 9.6' E	54
IESSNS	2019	PT, CTD	26	56.38	3.67	56° 22.8' N	3° 39.6' E	67
IESSNS	2019	PT, CTD	27	56.38	2.17	56° 22.8' N	2° 9.6' E	80
IESSNS	2019	PT, CTD	28	56.38	0.67	56° 22.8' N	0° 39.6' E	87
IESSNS	2019	PT, CTD	29	56.38	-0.83	56° 22.8' N	0° 49.8' W	70
IESSNS	2019	PT, CTD	30	55.63	5.92	55° 37.8' N	5° 54.6' E	48
IESSNS	2019	PT, CTD	31	55.63	2.92	55° 37.8' N	2° 54.6' E	50
IESSNS	2019	PT, CTD	32	55.63	1.42	55° 37.8' N	1° 24.6' E	77
IESSNS	2019	PT, CTD	33	55.63	-0.08	55° 37.8' N	0° 4.8' W	77
IESSNS	2019	PT, CTD	34	54.88	3.67	54° 52.8' N	3° 39.6' E	42
IESSNS	2019	PT, CTD	35	54.88	0.67	54° 52.8' N	0° 39.6' E	71
IESSNS	2019	PT, CTD	36	54.88	-0.83	54° 52.8' N	0° 49.8' W	59
IESSNS	2019	PT, CTD	37	54.13	4.42	54° 7.8' N	4° 24.6' E	45
IESSNS	2019	PT, CTD	38	54.13	2.92	54° 7.8' N	2° 54.6' E	50
IESSNS	2019	PT, CTD	39	54.13	1.42	54° 7.8' N	1° 24.6' E	63
IESSNS	2019	PT, CTD	40	53.47	0.67	53° 28.2' N	0° 39.6' E	70