

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.** 01/2020
2. **DATES OF CRUISE** **FROM** 29/6 2020 **TO** 11/7 2020
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) | 69.9 metres |
| MAXIMUM DRAUGHT (metres) | 8.0 metres |
| NET TONNAGE | 2135 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°05'W -11°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 2-13 July 2018

Ceton S205 IESSNS 2-12 July 2019

(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 (WGWIDE, 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.

Working Document to ICES Working Group on Widely Distributed Stocks (WGWIDE, No. 5) Spanish Institute of Oceanography (IOE), Santa Cruz, Tenerife, Canary Islands 28. August – 3. September 2019. Cruise report from the International Ecosystem Summer Survey in the Nordic Seas (IESSNS) 28th June – 5th August 2019

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:

Sven Kupschus	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 WGWIDE fall 2020

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

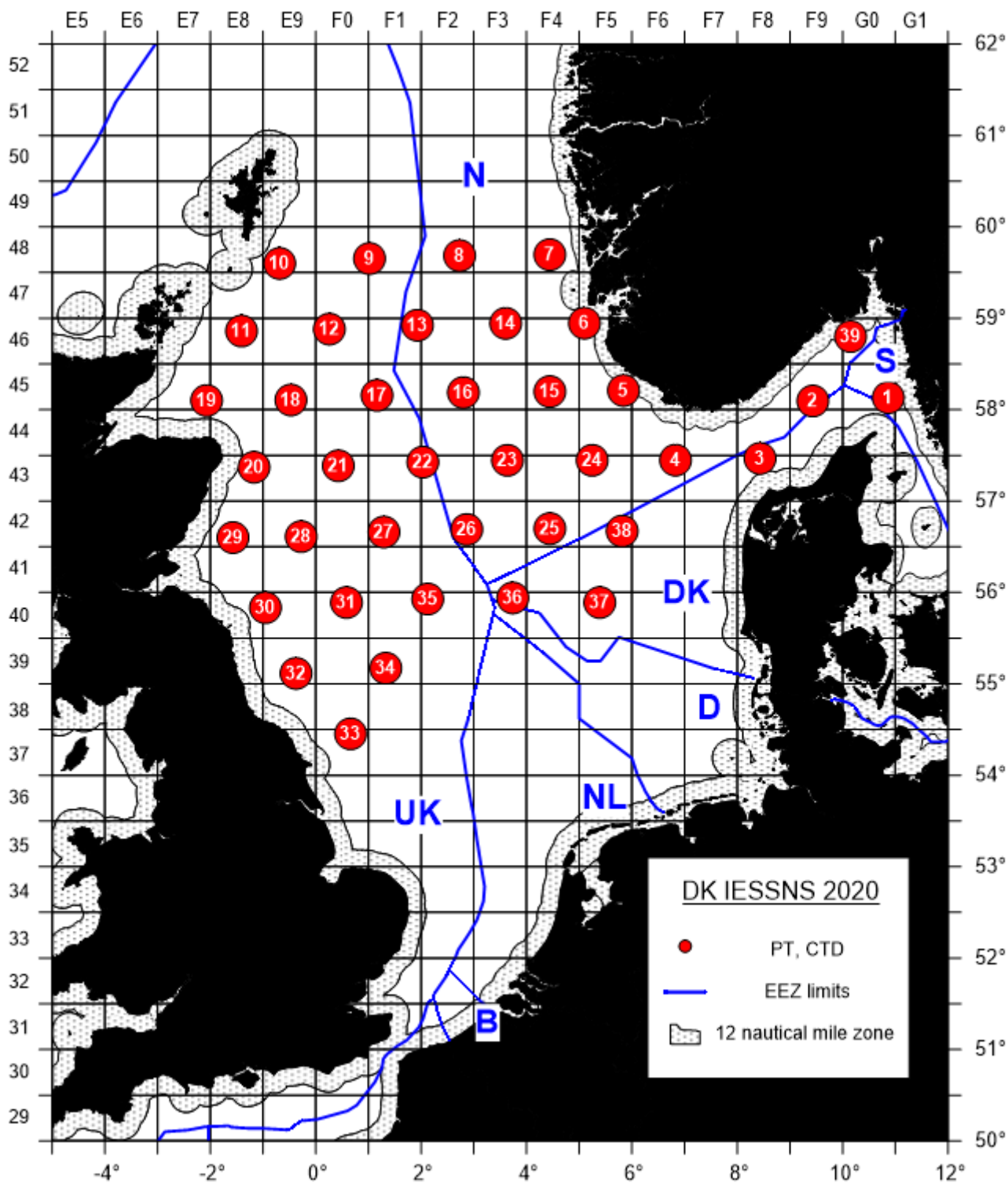
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Dated:

(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		
IESSNS	2020	PT, CTD	1	58.1310	10.8658	58 °	7.860	' N	10 °	51.950	' E
IESSNS	2020	PT, CTD	39	58.8001	10.1495	58 °	48.006	' N	10 °	8.970	' E
IESSNS	2020	PT, CTD	2	58.0947	9.4332	58 °	5.680	' N	9 °	25.990	' E
IESSNS	2020	PT, CTD	3	57.4658	8.4313	57 °	27.950	' N	8 °	25.880	' E
IESSNS	2020	PT, CTD	4	57.4475	6.8277	57 °	26.850	' N	6 °	49.660	' E
IESSNS	2020	PT, CTD	5	58.2101	5.8401	58 °	12.606	' N	5 °	50.406	' E
IESSNS	2020	PT, CTD	6	58.9457	5.1001	58 °	56.740	' N	5 °	6.006	' E
IESSNS	2020	PT, CTD	7	59.6958	4.4424	59 °	41.748	' N	4 °	26.544	' E
IESSNS	2020	PT, CTD	8	59.6849	2.7306	59 °	41.094	' N	2 °	43.836	' E
IESSNS	2020	PT, CTD	9	59.6529	1.0212	59 °	39.174	' N	1 °	1.272	' E
IESSNS	2020	PT, CTD	10	59.5993	-0.6841	59 °	35.958	' N	0 °	41.046	' W
IESSNS	2020	PT, CTD	11	58.8601	-1.4070	58 °	51.606	' N	1 °	24.420	' W
IESSNS	2020	PT, CTD	12	58.8812	0.2593	58 °	52.872	' N	0 °	15.558	' E
IESSNS	2020	PT, CTD	13	58.9231	1.9306	58 °	55.386	' N	1 °	55.836	' E
IESSNS	2020	PT, CTD	14	58.9440	3.6050	58 °	56.640	' N	3 °	36.300	' E
IESSNS	2020	PT, CTD	15	58.1978	4.4435	58 °	11.868	' N	4 °	26.610	' E
IESSNS	2020	PT, CTD	16	58.1872	2.8025	58 °	11.232	' N	2 °	48.150	' E
IESSNS	2020	PT, CTD	17	58.1565	1.1642	58 °	9.390	' N	1 °	9.852	' E
IESSNS	2020	PT, CTD	18	58.1054	-0.4704	58 °	6.324	' N	0 °	28.224	' W
IESSNS	2020	PT, CTD	19	58.1001	-2.0701	58 °	6.006	' N	2 °	4.206	' W
IESSNS	2020	PT, CTD	20	57.3701	-1.1700	57 °	22.206	' N	1 °	10.200	' W
IESSNS	2020	PT, CTD	21	57.3859	0.4292	57 °	23.154	' N	0 °	25.752	' E
IESSNS	2020	PT, CTD	22	57.4258	2.0330	57 °	25.548	' N	2 °	1.980	' E
IESSNS	2020	PT, CTD	23	57.4458	3.6390	57 °	26.748	' N	3 °	38.340	' E
IESSNS	2020	PT, CTD	24	57.4457	5.2461	57 °	26.742	' N	5 °	14.766	' E
IESSNS	2020	PT, CTD	25	56.6990	4.4425	56 °	41.940	' N	4 °	26.550	' E
IESSNS	2020	PT, CTD	26	56.6892	2.8675	56 °	41.352	' N	2 °	52.050	' E
IESSNS	2020	PT, CTD	27	56.6611	1.2941	56 °	39.666	' N	1 °	17.646	' E
IESSNS	2020	PT, CTD	28	56.6112	-0.2759	56 °	36.672	' N	0 °	16.554	' W
IESSNS	2020	PT, CTD	29	56.6001	-1.5701	56 °	36.006	' N	1 °	34.206	' W
IESSNS	2020	PT, CTD	30	55.8330	-0.9539	55 °	49.980	' N	0 °	57.234	' W
IESSNS	2020	PT, CTD	31	55.8901	0.5843	55 °	53.406	' N	0 °	35.058	' E
IESSNS	2020	PT, CTD	32	55.1143	-0.3732	55 °	6.858	' N	0 °	22.389	' W
IESSNS	2020	PT, CTD	33	54.4527	0.6619	54 °	27.162	' N	0 °	39.711	' E
IESSNS	2020	PT, CTD	34	55.1714	1.3301	55 °	10.284	' N	1 °	19.806	' E
IESSNS	2020	PT, CTD	35	55.9282	2.1260	55 °	55.692	' N	2 °	7.560	' E
IESSNS	2020	PT, CTD	36	55.9401	3.7401	55 °	56.406	' N	3 °	44.406	' E
IESSNS	2020	PT, CTD	37	55.8901	5.3901	55 °	53.406	' N	5 °	23.406	' E
IESSNS	2020	PT, CTD	38	56.6717	5.8148	56 °	40.300	' N	5 °	48.890	' E