

ANNEX A

Application for Consent to conduct Marine Scientific Research

Date: 31/01/2019

1. General Information

1.1 Cruise name and/or number:
North Sea Beam Trawl Survey 2019 Netherlands

1.2 Sponsoring Institution(s):	
Name:	Wageningen Marine Research
Address:	P.O. Box 68, 1970 AB IJmuiden, Netherlands
Name of Director:	Tammo Bult

1.3 Scientist in charge of the Project:	
Name:	Ingeborg de Boois
Country:	Netherlands
Affiliation:	Wageningen Marine Research
Address:	P.O. Box 68, 1970 AB IJmuiden, Netherlands
Telephone:	+31 317 487070
Fax:	-
Email:	Ingeborg.deboois@wur.nl
Website (for CV and photo):	https://www.vcard.wur.nl/Views/Profile/View.aspx?id=1645

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	Ian Holmes
Affiliation:	CEFAS
Address:	Lowestoft NR33 OHT, Suffolk, England
Telephone:	-

Fax:	-
Email:	ian.holmes@cefas.co.uk
Website (for CV and photo):	-

2. Description of Project

2.1 Nature and objectives of the project:

Participation in the ICES coordinated Beam Trawl Survey, to obtain a fishery-independent estimate of the intensity of the most common age-groups of plaice and sole in the North Sea (Stock assessment) and information on the distribution of demersal fish and macro-zoobenthos in the North Sea. The survey falls under the EU Data Collection Framework (DCF) and further described in the [National Workplan](#) paragraph 1G.

2.2 If designated as part of a larger scale project, then provide the name of the project and the Organisation responsible for coordinating the project:

The survey is coordinated by the ICES working group on beam trawl surveys ([WGBEAM](#))

2.3 Relevant previous or future research projects:

This survey is monitoring for the EU Data Collection Framework. The survey had been carried out since 1985 (geographical extension since 1998)

2.4 Previous publications relating to the project:

<https://bit.ly/2Uo1pkn>

3. Geographical Areas

<p>3.1 Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude in degrees, including coordinates of cruise track/way points/ sampling stations). Please provide coordinates in a table format using a separate excel spreadsheet.</p>
<p>In each ICES rectangle visited one or more hauls (30 minutes) will be made with or an 8 m beam trawl (40 mm mesh) and a 2 m beam trawl (4 mm mesh). Before or after each haul a profile will be made with a CTD-Sonde. The geographical range is constant over the years, and 2018 locations can be found in National Workplan paragraph 1G. The exact positions cannot be given prior to the survey, as those may vary due to local circumstances and survey logistics. The information on the 8 m beam trawl hauls are made available via ICES dataportal DATRAS.</p>

<p>3.2 Attach chart(s) at an appropriate scale (1 page, high-resolution) showing the geographical areas of the intended work and, as far as practicable, the location and depth of sampling stations, the tracks of survey lines, and the locations of installations and equipment.</p>
<p>Maps are provided at the end of the document</p>

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	Tridens
Type/Class:	Research vessel
Nationality (Flag State):	Dutch
Identification Number (IMO/Lloyds No.):	8821852
Owner:	Ministry of transport & public works Rijkswaterstaat Dienst Noordzee Rijksrederij Postbus 5807, 2280 HV Rijswijk The Netherlands
Operator:	See owner
Overall length (meters):	73.5
Maximum draft:	5.2
Displacement/Gross Tonnage:	2232
Propulsion:	Diesel
Cruising & maximum speed:	Cruising: depends on planning in the survey, max speed approx. 15 knots
Call sign:	PBVO

INMARSAT number and method and capability of communication (including emergency frequencies):	Tel V-sat 24hr at sea <ul style="list-style-type: none"> • V-sat: +31-207178828 • V-sat: +31-207178827 • V-sat: +31-207178826 Inmarsat 24hr at sea 0881-677733671 Email: Ska-tridens@rws.nl ; Cc kinne.reichgeld@rws.nl , dirk.van.rijn01@rws.nl VHF 16 & 13; HF 2182 Khz
Name of Master:	K. Reichgeld
Number of Crew:	21
Number of Scientists on board:	6-8

4.2 Particulars of Aircraft: Not applicable	
Name:	
Make/Model:	
Nationality (flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall Length (meters):	
Propulsion:	
Cruising & Maximum speed:	
Registration No.:	
Call Sign:	
Method and capability of communication (including emergency frequencies):	
Name of Pilot:	
Number of crew:	
Number of scientists on board:	
Details of sensor packages:	
Other relevant information:	

4.3 Particulars of Autonomous Underwater Vehicle (AUV): Not applicable	
Name:	

Manufacturer and make/model:	
Nationality (Flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall length (meters):	
Displacement/Gross tonnage:	
Cruising & Maximum speed:	
Range/Endurance:	
Method and capability of communication (including emergency frequencies):	
Details of sensor packages:	
Other relevant information:	

4.4 Other craft in the project, including its use: No

4.5 Particulars of methods, full description of scientific instruments to be used (for fishing gear specify type and dimension and for geophysical survey the type of equipment, source levels, frequency and duty cycle to be used) and location:			
Types of samples and measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Fish samples	Trawling	8 meter beam trawl	Yes
Benthos samples	Trawling (8 meter beam trawl: same trawls as fish samples)	8 meter beam trawl 2 meter beam trawl (approx. 15 hauls)	Yes
Hydrographical information	downcast	Seabird CTD	Yes

4.6 Indicate nature and quantity of substances to be released into the marine environment:

The catch will be released back into the marine environment. No other treatment than physical handling like measuring, weighing and from a minor part of the catch, removing otoliths will take place.

4.7 Indicate whether drilling will be carried out. If yes, please specify:

No

4.8 Indicate whether explosives will be used. If yes, please specify type and trade name, chemical content, depth of trade class and stowage, size, depth of detonation, frequency of detonation, and position in latitude and longitude:

No

5. Installations and Equipment

5.1 Details of installations and equipment (including dates of laying, servicing, method and anticipated timeframe for recover, as far as possible exact locations and depth, and measurements):

Not applicable

6. Dates

6.1 Expected dates of first entry into and final departure from the research area by the research vessel and/or other platforms:

Start survey (from Scheveningen, the Netherlands): 29-07-2019

End survey (in Scheveningen, The Netherlands): 13-09-2019

6.2 Indicate if multiple entries are expected:

Within the survey period the vessel may move in and out the UK waters. The dates are not known beforehand, as the survey does not rely on a standard order of sampling station.

7. Port calls

7.1 Dates and Names of intended ports of call:

Helgoland or Esbjerg in week 32/33; Aberdeen, and an English port (Sunderland, Newcastle) for weekend week 34/35 resp. 36/37; in case the survey order has to be re-arranged of bad weather Danish or Norwegian port

7.2 Any special logistical requirements at ports of call:

Unknown, communication via shipping agent

7.3 Name/Address/Telephone of shipping agent (if available):

Unknown, via vessel crew

8. Participation of the representative of the coastal State

8.1 Modalities of the participation of the representative of the coastal State in the research project:

8.2 Proposed dates and ports for embarkation/disembarkation:

No embarkation/disembarkation is planned in UK ports

9. Access to data, samples and research results

9.1 Expected dates of submission to coastal State of preliminary report, which should include the expected dates of submission of the data and research results:

Data submission follows the ICES DATRAS [submission deadlines](#)

Progress report of the survey will be made available in the Member State's DCF Annual report (delivery date 31 May 2020), made available by European Commission at <https://datacollection.jrc.ec.europa.eu> and in the ICES [WGBEAM](#) 2020 report.

9.2 Anticipated dates of submission to the coastal State of the final report:

Progress report of the survey will be made available in the Member State's DCF Annual report (delivery date 31 May 2020), made available by European Commission at <https://datacollection.jrc.ec.europa.eu> and in the ICES [WGBEAM](#) 2020 report.

9.3 Proposed means for access by coastal State to data (including format) and samples:

Access to data via ICES dataportal [DATRAS](#)

9.4 Proposed means to provide coastal State with assessment of data, samples and research results:

Access to data via ICES dataportal [DATRAS](#)

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples and research results:

Reference to data collected in UK MPAs by 31st December 2019.

9.6 Proposed means of making results internationally available:

ICES dataportal [DATRAS](#)

ICES [WGBEAM](#) 2020 report

10. Other permits submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or pending):

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11. List of supporting documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:

Additional information on presumed sampling in MPA areas based on planned sampling grid (see maps below)

Contact information of the focal point: Secretariat Wageningen Marine Research

Name: Lydia Cornelissen-Schaap

Country: The Netherlands

Affiliation: Wageningen Marine Research

Address: P.O. Box 68, 1970 AB IJmuiden, the Netherlands

Telephone: +31 317 487049

Fax: -

Email: secretariaat.marine-research@wur.nl ; Lydia.cornelissen@wur.nl

Signature:

A handwritten signature in blue ink, appearing to read 'Lydia Cornelissen', with a long, sweeping underline.

Maps of the survey area:

Planned fishing areas:

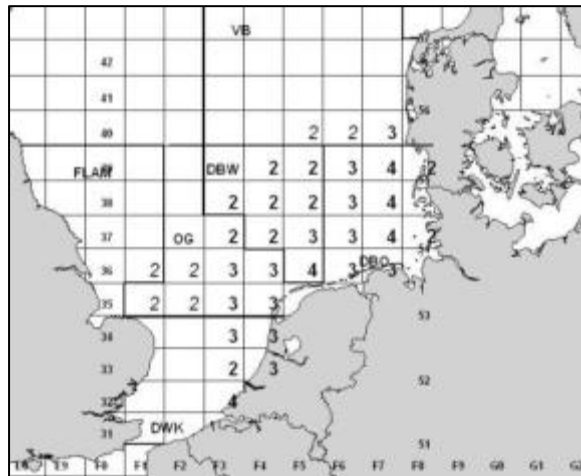


Figure 1a. Planning BTS Netherlands, week31-33. Numbers represent the number of hauls, bold is priority sampling area. Italics is optional. Bold lines represent areas for biological data collection.

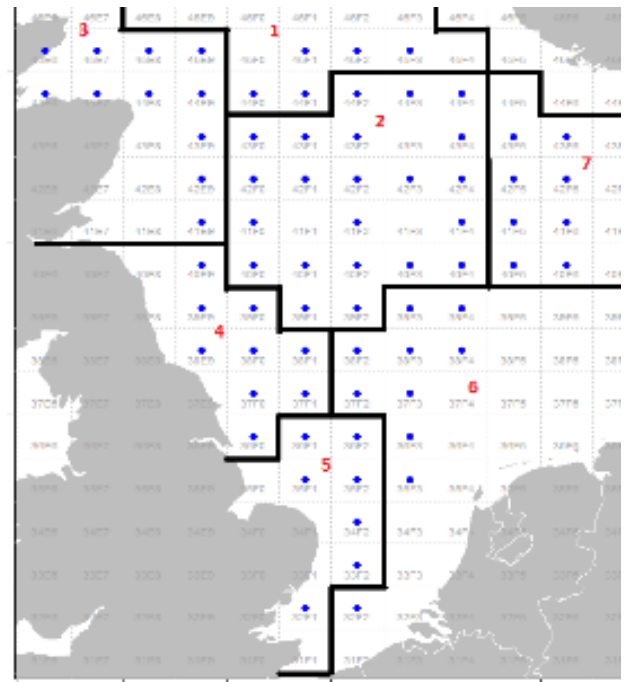
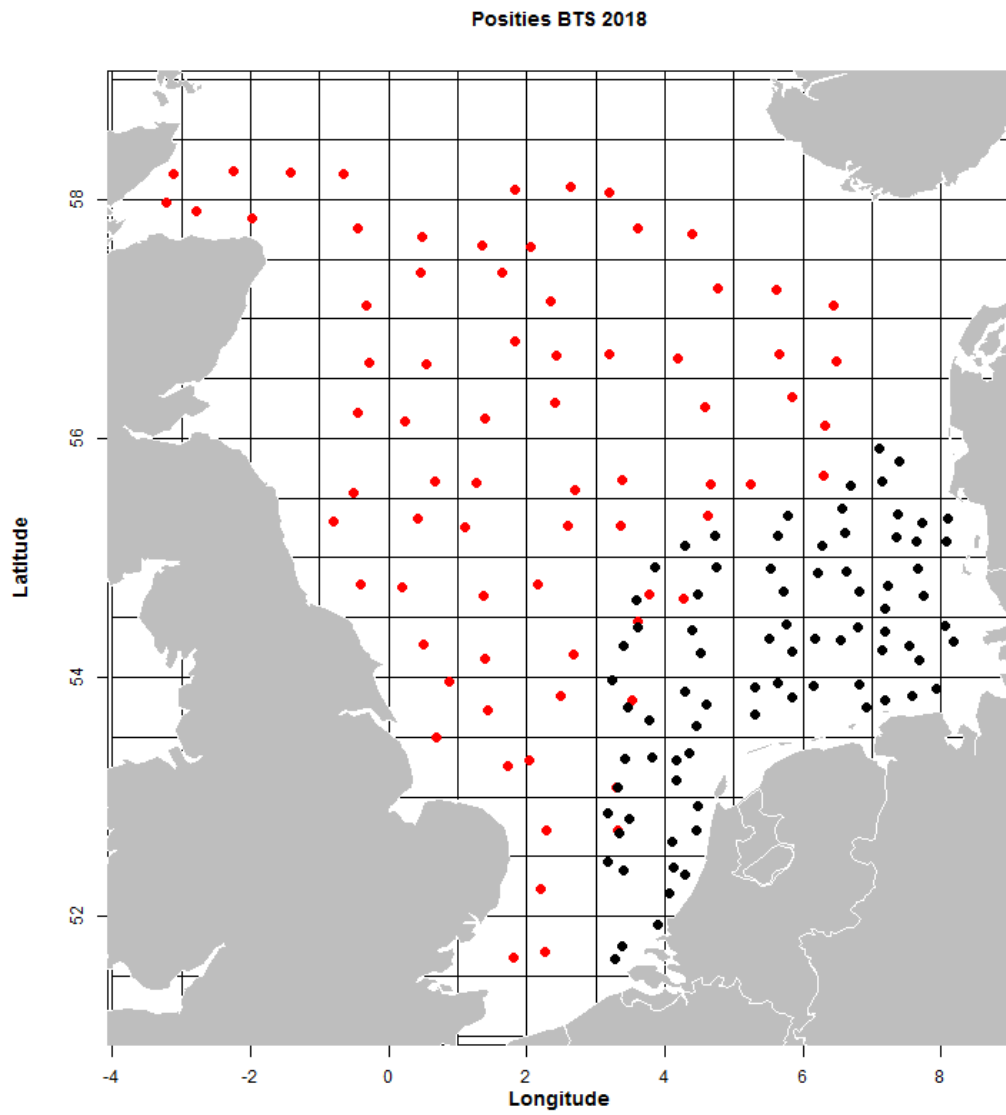


Figure 1b. Planning BTS Netherlands, week34-37. Blue dots represent one haul, red numbers define areas for biological data collection (within the bold lines). Bold lines represent areas for biological data collection.

Map of the BTS 2018 survey stations (example to demonstrate how the planned stations translate into the completed survey):



Black=week 31-33; red=week 34-37