

NOTIFICATION OF PROPOSED RESEARCH

PART A : GENERAL

1. NAME OF RESEARCH SHIP: **ISIS** CRUISE NO: **wk. 37-45**
2. DATES OF CRUISE FROM **10-09-2018** TO **09-11-2018**
3. OPERATING AUTHORITY **Ministry of transport & public works  
Rijkswaterstaat Dienst Noordzee  
Postbus 5807, 2280 HV Rijswijk**
- TELEPHONE **+31 (0)70 - 3366 303** TELEX
- FACSIMILE
4. OWNER  
(If different from  
Para 3)
5. PARTICULARS OF SHIP NAME **ISIS**
- NATIONALITY **Dutch**
- OVERALL LENGTH **28.0** METRES
- MAXIMUM DRAUGHT **2,5** METRES
- NETT TONNAGE **120 BRT**
- POPULSION **STEAM TURBINE/DIESEL/DIESEL ELECTRIC**
- CALL SIGN **PBXD**
- REGISTRATION PORT & NUMBER  
(if registered fishing vessel)
6. CREW NAME OF MASTER **G. Ros**
- NUMBER OF CREW **6**
7. SCIENTIFIC PERSONNEL NAME AND ADDRESS OF  
SCIENTIST IN CHARGE **Drs. L.J. Bolle  
Wageningen Marine Research  
P.O. Box 68, IJmuiden**
- TEL/FAX NO **0317-487326**
- NO: OF SCIENTISTS **2**
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude & Longitude)  
**southern and southeastern north Sea : South of the 56.00 NB**
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: **To obtain a fishery-independent estimate  
of the intensity of the most common age-groups of commercial flatfish species in  
the North Sea (Stock assessment)**
10. DATES AND NAMES OF INTEND PORTS OF CALL: **Esbjerg or Helgoland; in case of  
technical problems or exceptionally bad weather conditions a different port of call  
may be visited.**
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B : GENERAL

1. NAME OF RESEARCH SHIP: **ISIS** CRUISE NO: **wk. 37-45**
2. DATES OF CRUISE FROM **10-09-2018** TO **09-11-2018**
3. a) PURPOSE OF RESEARCH ***This survey aims at estimating the recruitment of a number of commercial demersal fish species, such as plaice, sole, dab, turbot and brill. During the survey also hydrographical data are collected, using a CTD recording device attached to the net.***  
  
b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear trawl type, mesh size etc:)  
**SNS/DFS : 15 minute hauls will be made within the SNS and DFS areas (5-10 hauls per area, week 37-44)**
4. ATTACH CHART showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished: see below
5. a) TYPES OF SAMPLES REQUIRED eg Geological/Water/Plankton/Fish/Radionuclide:  
***Fish trawl hauls and CTD measurements***  
  
b) METHODS OF OBTAINING SAMPLES (eg dredging/coring/drilling/fishing etc)  
(When using fishing gear indicate fish stocks being worked, quantity of each species require, quantity of fish to be retained on board)  
***Fish samples: Beam Trawl to obtain a fishery-independent estimate of the intensity of the most common age-groups of commercial demersal (mainly flatfish) species in the North Sea, and information on the species composition of demersal fish in the North Sea.***
6. DETAILS OF MOORED EQUIPMENT: **none**

DATES

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
---------------	-----------------	--------------------	--------------	-----------------	------------------

7. ANY HAZERDOUS MATERIAL: (Chemicals/Explosives/Gases/Raioactive etc)

(Use separate sheet if necessary)

- a) TYPE AND TRADE NAME
- b) CHEMICAL CONTENT (& Formula)
- c) IMO IMDG CODE Reference & UN Number
- d) QUANTITY & METHOD 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. DETAIL & REFERENCE OF:

a) ANY RELEVANT PREVIOUS/FUTURE CRUISES:

*The DFS is carried out since 1970, the SNS since 1969.*

b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE:

*The data are published in ICES-Reports: Report of the working group on Beam Trawl Surveys (WGBEAM)*

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

*Mr. J. Dalskov  
Danmarks Fiskeri-og  
Havundersøgelser  
Nordsøcentret  
Box 101  
Denmark*

*Dr. C. Stransky  
Tünen Institut  
Palmaille 9  
2000 Hamburg 50  
Germany*

10. STATE:

a) WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED WILL BE ACCEPTABLE

**YES**

b) PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND THE PORTS FOR EMBARKATION/DISEMBARKATION

c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS  
*Data will be submitted to the ICES Database.*

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE **United Kingdom,**

COMPLETE THE FOLLOWING TABLE -  
SEPERATE PAGE FOR EACH COASTAL STATE

PORT CALL

DATES  
INDICATE "YES" OR "NO"

LIST SCIENTIFIC WORK BY FUNCTION	DISTANCE FROM COAST						
	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED  (water column using CTD attached to the net)	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS	WITHIN 3 NMS	WITHIN 12 NMS	BETWEEN 12-200NM	(CONTINENTA L SHELF WORK ONLY)  BEYOND 200 NM BUT WITHIN CONTINENTAL MARGIN
eg:  MAGNETOMETRY GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W T.V. INSTRUMENTS TOWED INSTRUMENTS							
	YES	YES	NO	NO	NO	YES	



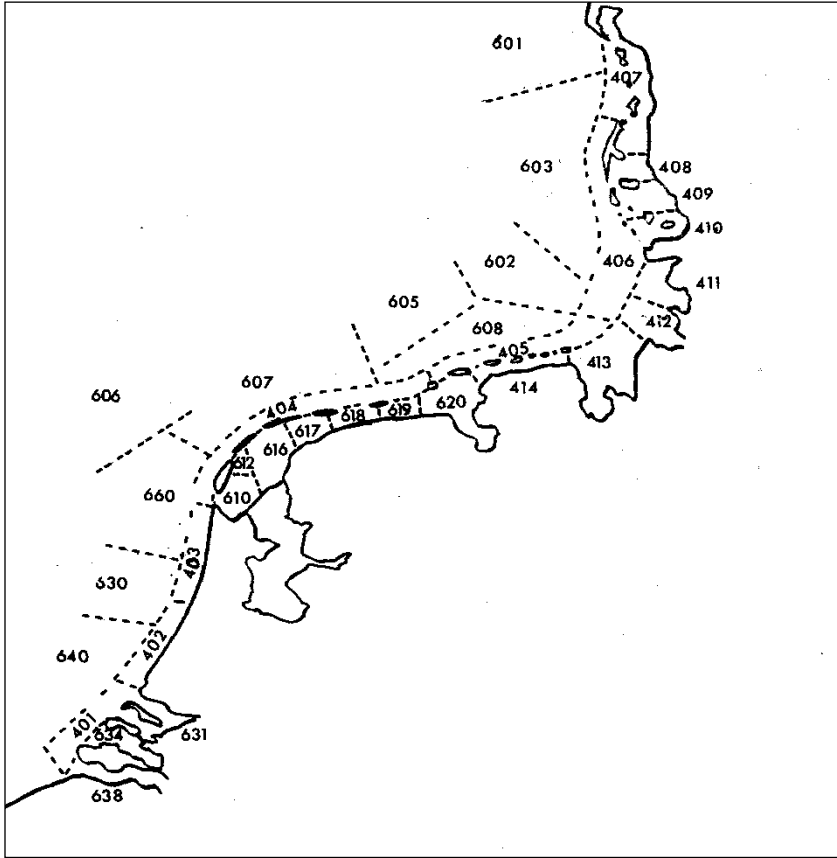
(On behalf to the Principal Scientist)

**I.J. de Boois**

Dated 16-01-2018

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.

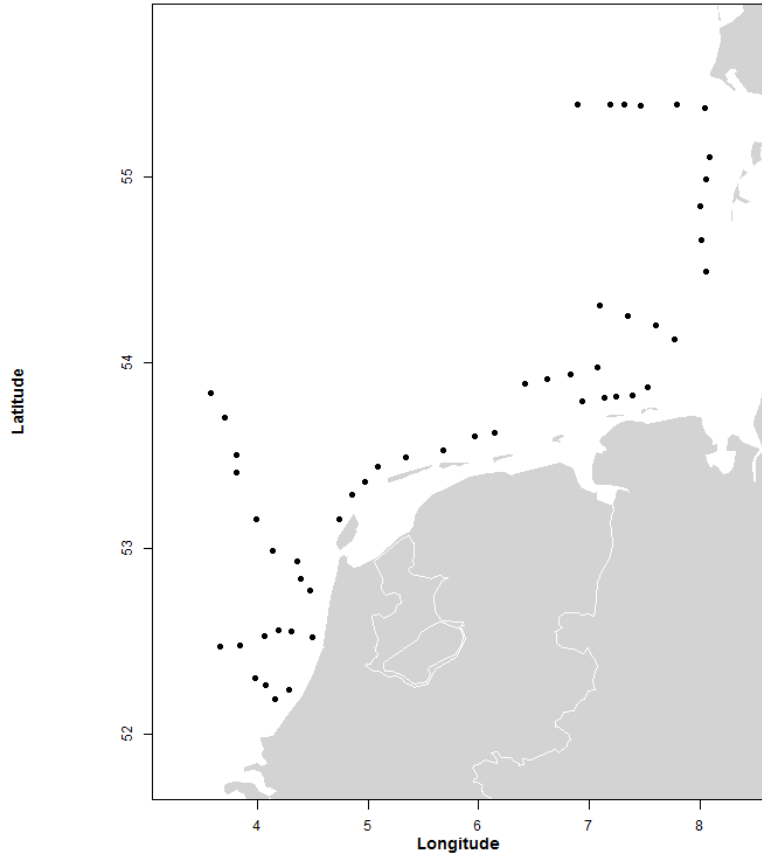
Map of the survey area



The area coding starting with '6' outside the Wadden Sea is SNS; the area codes starting with '4' and the areas in the Wadden Sea belong to the DFS sampling.

The sampling will be in line with 2016 (plots below)

SNS sampling grid (week 37-38)



DFS sampling grid (from week 39 onwards); black dots=Isis sampling area

