



WAGENINGEN UR

Wageningen University & Research

Law of The Sea Section, Legal Advisers, Foreign and
Commonwealth Office
Kay Enifer
King Charles Street
London SW 1A 2AH
United Kingdom

Dear Kay Enifer,

Herewith I send you the forms for permission for our research vessel TRIDENS for research activities in waters governed by the jurisdiction of the UK, during the period of 24th of January – 4th of March 2011.

With kind regards,

Els Hoeboer

IMARES

DATUM
22 juli 2010

ONDERWERP
permittaanvraag

BIJLAGE(N)
1

BEHANDELD DOOR
Els Hoeboer

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copy; J.W. Groen, RWS

Wageningen UR (Wageningen University & Research centre) is een samenwerkingsverband tussen DLO, Wageningen University en Hogeschool Van Hall Larenstein

NOTIFICATION OF PROPOSED RESEARCH

PART A : GENERAL

1. NAME OF RESEARCH SHIP: **TRIDENS** CRUISE NO: **wk. 4-9**
2. DATES OF CRUISE FROM **24 January 2011** TO **4 March 2011**
3. OPERATING AUTHORITY **J.W. Groen**
Head of Department Midden
Rijkswaterstaat Dienst Noordzee / RijksRederij
Visitors adress: Lange Kleiweg 34, 2288 GK Rijswijk
Postal adress: Postbus 5807, 2280 HV Rijswijk
- TELEPHONE **070-3792349** TELEX **32040 Lavinl**
- FACSIMILE **070-3825648** E-MAIL **Wim.Groen@rws.nl**
4. OWNER
 (If different from
 Para 3)
5. PARTICULARS OF SHIP NAME **TRIDENS 2**
- NATIONALITY **Dutch**
- OVERALL LENGTH **73.5** METRES
- MAXIMUM DRAUGHT **5,20** METRES
- NETT TONNAGE **659**
- POPULSION **DIESEL**
- CALL SIGN **PBVO**
- REGISTRATION PORT & NUMBER
 (if registered fishing vessel)
6. CREW NAME OF MASTER **K. Reichgeld**
- NUMBER OF CREW **21**
7. SCIENTIFIC PERSONNEL NAME AND ADDRESS OF SCIENTIST IN CHARGE **R. ter Hofstede**
IMARES (Institute for Marine Resources and Environmental Studies)
P.O. Box 68, IJmuiden
- TEL/FAX NO **+ 31 317 480900/487326**
- NO: OF SCIENTISTS **5**
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude & Longitude)
English Channel (East of 0°) + Southern and Central North Sea (South of 57.5°N)
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: **International Bottom Trawl Survey**
10. DATES AND NAMES OF INTEND PORTS OF CALL: **Aberdeen (UK), 5-6 or 12-13 February**
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: **none**

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B : GENERAL

1. NAME OF RESEARCH SHIP: **TRIDENS** CRUISE NO: **wk. 4-9**
2. DATES OF CRUISE FROM **24 January 2011** TO **4 March 2011**
3. a) PURPOSE OF RESEARCH **The IBTS is designed to acquire recruitment indices and tuning data for several finfish species. The recruitment indices are used in ICES assessment working groups (herring, North Sea demersal fish, mackerel) and ACOM. Data on spatial and temporal distribution of fish species are used for ecosystem studies. Furthermore to obtain hydrographical data (CTD-stations).**

b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear/trawl type, mesh size etc:)
GOV- Bottom trawl (Grand Ouverture Verticale) with 20 mm cod-end;
MIK- plankton net (Method Isaac Kitt);
Seabird- CTD for hydrographical data
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:
5. a) TYPES OF SAMPLES REQUIRED eg Geological/Water/Plankton/Fish/Radionuclide:
Fish samples (GOV) for analysing the fish community
Plankton samples (MIK) for analysing herring larvae.

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)
Each GOV station will be fish for 30 minutes with the semi-pelagic bottom trawl.
Each MIK station consists of an oblique vertical pelagic haul.
6. DETAILS OF MOORED EQUIPMENT: **none**
7. ANY HAZERDOUS MATERIAL: (Chemicals/Explosives/Gases/Radioactive etc): **none**
8. DETAIL & REFERENCE OF:

a) ANY RELEVANT PREVIOUS/FUTURE CRUISES:
Yearly, since 1965

b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE:
Reports of ICES International Bottom Trawl Survey Working Group.
Data is used in many assessments and ecological studies of fish species and -communities.
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:
Staff members of the Fisheries Laboratories at Lowestoft (UK, CEFAS), Aberdeen (UK, Marine Scotland), Boulogne sur Mer (F, Ifremer), Hamburg (G, VTI-SF) and Charlottenlund (DM, DTU-aqua).
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:
Cruise report- March 2011, IBTS Working Group report- May 2011

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE **France, Belgium,
UK, Germany, Denmark**

COMPLETE THE FOLLOWING TABLE -
SEPERATE PAGE FOR EACH COASTAL STATE

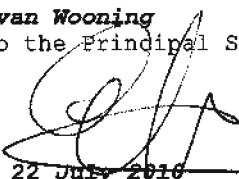
PORT CALL

DATES

INDICATE "YES" OR "NO"

<u>LIST SCIENTIFIC WORK BY FUNCTION</u>				<u>DISTANCE FROM COAST</u>		
				<u>WITHIN 12 NMS</u>	<u>BETWEEN 12-200 NM</u>	<u>(CONTINENTAL SHELF WORK ONLY) BEYOND 200 NM BUT WITHIN THE CONTINENTAL MARGIN</u>
eg: MAGNETOMETRY : GRAVITY DIVING : SEISMICS : BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING : WATER SAMPLING U/W T.V. : MOORED INSTRUMENTS : TOWED INSTRUMENTS	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS			
GOV bottom trawl	yes	yes	no	yes	yes	no
MIK- Plankton sampler	yes	yes	no	yes	yes	no
CTD-recorder	yes	yes	no	yes	yes	no

E. Hoaboer-van Wooning
(On behalf to the Prindipal Scientist)



Dated 22 July 2016

NB IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES/AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STAE AUTHORITIES MUST BE NOTIFIED IMMEDIATELY.

