### NOTIFICATION OF PROPOSED RESEARCH

PART A : GENERAL

 NAME OF RESEARCH SHIP:
 TRIDENS
 CRUISE NO: wk. 5 t/m 9

 2. DATES OF CRUISE
 FROM
 27-1-2014
 TO
 28-2-2014

3. <u>OPERATING AUTHORITY</u> *Ministry of infrastructure and environment Rijkswaterstaat Dienst Noordzee Postbus 5807, 2280 HV Rijswijk* 

<u>TELEPHONE</u> +31 (0)70 - 3366 303

- 4. <u>OWNER</u> (If different from Para 3)
- 5. <u>PARTICULARS OF SHIP</u> <u>NAME</u> **TRIDENS**

NATIONALITY Dutch

OVERALL LENGTH 73,5 METRES

MAXIMUM DRAUGHT 5,20 METRES

NETT TONNAGE 659

POPULSION DIESEL

CALL SIGN PBVO

<u>REGISTRATION PORT & NUMBER</u> (if registered fishing vessel)

21

NAME OF MASTER K. Reichgeld

NUMBER OF CREW

7. <u>SCIENTIFIC PERSONNEL</u> <u>NAME AND ADDRESS OF</u> <u>SCIENTIST IN CHARGE</u> *IMARES P.O. Box 68, IJmuiden* 

TEL/FAX NO

0317-487088/0317-

487326

6. <u>CREW</u>

### NO: OF SCIENTISTS 8

- 8. <u>GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE</u> (with reference in Latitude & Longitude) English Channel (East of 0°) + Southern and Central North Sea (South of 57.5°N)
- 9. <u>BRIEF DESCRIPTION OF PURPOSE OF CRUISE:</u> To participate in the ICES coordinated International Bottom Trawl Survey

- 10. DATES AND NAMES OF INTEND PORTS OF CALL: 8-9 February, Aberdeen
- 11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B : GENERAL

- 1. <u>NAME OF RESEARCH SHIP</u>: **TRIDENS** <u>CRUISE NO</u>: wk. 5 t/m 9
- 2. <u>DATES OF CRUISE</u> FROM **27-1-2014** TO **28-2-2014**
- 3. <u>a) PURPOSE OF RESEARCH</u> 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 (CTDstations).

b) GENERAL OPRATIONAL METHODS (including full description of any fishing geartrawl type, mesh size etc.)
 In each ICES-rectangle visited a haul will be made with a GOV-Bottom trawl (Grand Ouverture Verticale) with 20 mm cod-end;

In each ICES-rectangle visited, two hauls with a MIK- plankton net (Method Isaac Kitt) will be made;

At each station a downcast with a Seabird- CTD-sonde for hydrographical data will be made.

During the cruise water samples will be taken.

- 4. <u>ATTACH CHART</u> showing (on an <u>appropriate</u> scale) the geographical area of the intended work, positions od intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished:
- 5. <u>a) TYPES OF SAMPLES REQUIRED</u> eg Geological/Water/Plankton/Fish/Radionuclide:

Fish and benthos samples (GOV) for analysing the fish and benthos community Plankton samples (MIK) for analysing herring larvae. Water samples

b) METHODS OF OBTAINING SAMPLES (eg dredging/coring/drilling/fishing etc) (When using fishing gear indicate fish stocks being worked, quantity of

(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 GOV bottom trawl. Each MIK station consists of an oblique vertical pelagic haul.

6. DETAILS OF MOORED EQUIPMENT: none

DATES

Layinq	Recovery	Description	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
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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. <u>DETAIL & REFERENCE OF:</u>

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 (IBTSWG). Data is used in many assessments and ecological studies of fish species and communities. See www.ices.dk

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).

<i>Mr. B. Harley CEFAS</i>	<i>Mr. Yves Verin IFREMER</i>
Victoria Road	150, Quai Gambetta
Suffolk	Boulogne-sur-Mer
England	France

Mrs. Anne Sell Johann Heinrich von Thünen-Institute

Palmaille 9 Hamburg Germany

Mr. Kai Ulrich Wieland DTU Aqua Science Park Hirtshals Denmark

## 10. <u>STATE:</u>

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

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

YES

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 Database at the ICES-secretariat in Copenhagen, where they are available to all participating countries.

YES

### PART C: SCIENTIFIC EQUIPMENT

## COASTAL STATE UK

COMPLETE THE FOLLOWING TABLE -SEPERATE PAGE FOR EACH COASTAL STATE

### PORT CALL

DATES

LIST SCIENTIFIC				DISTANCE FROM COAST			
WORK BY							
FUNCTION	WATER	FISHERIES	RESEARCH	WITHIN	WITHIN	BETWEEN	(CONTINENTA
eg: MAGNETOMETRY GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W T.V. INSTRUMENTS TOWED	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	WITHIN 3 NMS	WITHIN 12 NMS	BETWEEN 12-200NM	(CONTINENTA L SHELF WORK ONLY) BEYOND 200 NM BUT WITHIN CONTINENTAL MARGIN
INSTRUMENTS							
GOV bottom trawl	yes	yes	yes	по	no	yes	yes/no
MIK- Dlanktongamplor	yes	yes	Yes	no	yes	yes	no
FIAIINCOIISAIIIPIEI							
CTD-recorder	yes	yes	Yes	no	yes	yes	no
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INDICATE "YES" OR "NO"

Lydia Cornelissen (On behalf to the Principal Scientist)

Dated 3th of July 2013

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. NB



The exact trawl locations are unknown prior to the activities, these are determined based on the local weather conditions and nautical restriction in place at time. The guideline states a single GOV haul and two MIK hauls per rectangle the position within the rectangle is to be determined at the time of the activity.