NOTIFICATION OF PROPOSED RESEARCH

PART A : GENERAL

1. NAME OF RESEARCH SHIP: ***TRIDENS*** CRUISE NO: **wk. 12 - 15**

2. DATES OF CRUISE FROM ***17 March 2015*** TO ***10 April 2015***

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 +31 ***703366303***
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***	
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	***S. Fässler IMARES P.O. Box 68, IJmuiden***

TEL/FAX NO ***+ 31 0317-487474/487326***

NO: OF SCIENTISTS ***6***

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude & Longitude) ***Western Approaches and West of Ireland, 52°N to 60°N, 5°W to 16°W.***

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: ***To participate in ICES coordinated International Blue Whiting Survey***

10. DATES AND NAMES OF INTEND PORTS OF CALL: ***Galway and/or Killybegs (Ireland), Stornoway or Kirkwall (United Kingdom)***

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: ***no***

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B : GENERAL

1. NAME OF RESEARCH SHIP: ***TRIDENS*** CRUISE NO: **WK. 12 - 15**

2. DATES OF CRUISE FROM ***17 March 2015*** TO ***10 April 2015***

3. a) PURPOSE OF RESEARCH ***Estimate the spawning stock abundance of Blue Whiting using acoustic methods.***

   b) GENERAL OPRATIONAL METHODS (including full description of any fishing geartrawl type, mesh size etc:)
   A pelagic trawl (5600 meshes), fitted out with an inner codend of 20 mm meshes, will be used for identifying the echotraces.

   For the calibration the ship has to be anchored in a sheltered location, and the echosounder transducers will be calibrated by means of suspending small tungsten-carbide spheres inside the acoustic beam. Transducers will be mounted on a retractable drop keel. The entire calibration operation will not take more than 8 hours. A CTD profile will be taken at the calibration site. No fishing will be conducted, and no other electronic instruments other than the echosounder and the CTD will be operated.

4. ATTACH CHART showing (on an appropriate 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. a) TYPES OF SAMPLES REQUIRED eg Geological/Water/Plankton/Fish/Radionuclide:
   Acoustic intensity measurements of blue whiting densities.
   Fish samples of blue whiting.
   Watersamples for temperature and salinity observations.

   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)
   Simrad EK60/80 & ME70 echosounders, pelagic trawl (5600 meshes), Seabird CTD device

6. DETAILS OF MOORED EQUIPMENT: ***none***

DATES					
Laying	Recovery	Description	Depth	Latitude	Longitude

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

(Use separate sheet if necessary) ***none***

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:

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

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:
Dr. Maurice Clarke, Marine Institute, Ireland
Mr. Ciaran O'Donnell, Marine Institute, Ireland

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 STATEFOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND THE PORTS FOR EMBARKATION/DISEMBARKATION
Agreements will be made by IMARES/IJmuiden

c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS
Cruise report

PART C: SCIENTIFIC EQUIPMENT

COMPLETE THE FOLLOWING TABLE -
SEPERATE PAGE FOR EACH COASTAL STATE

COASTAL STATE ***United Kingdom/***

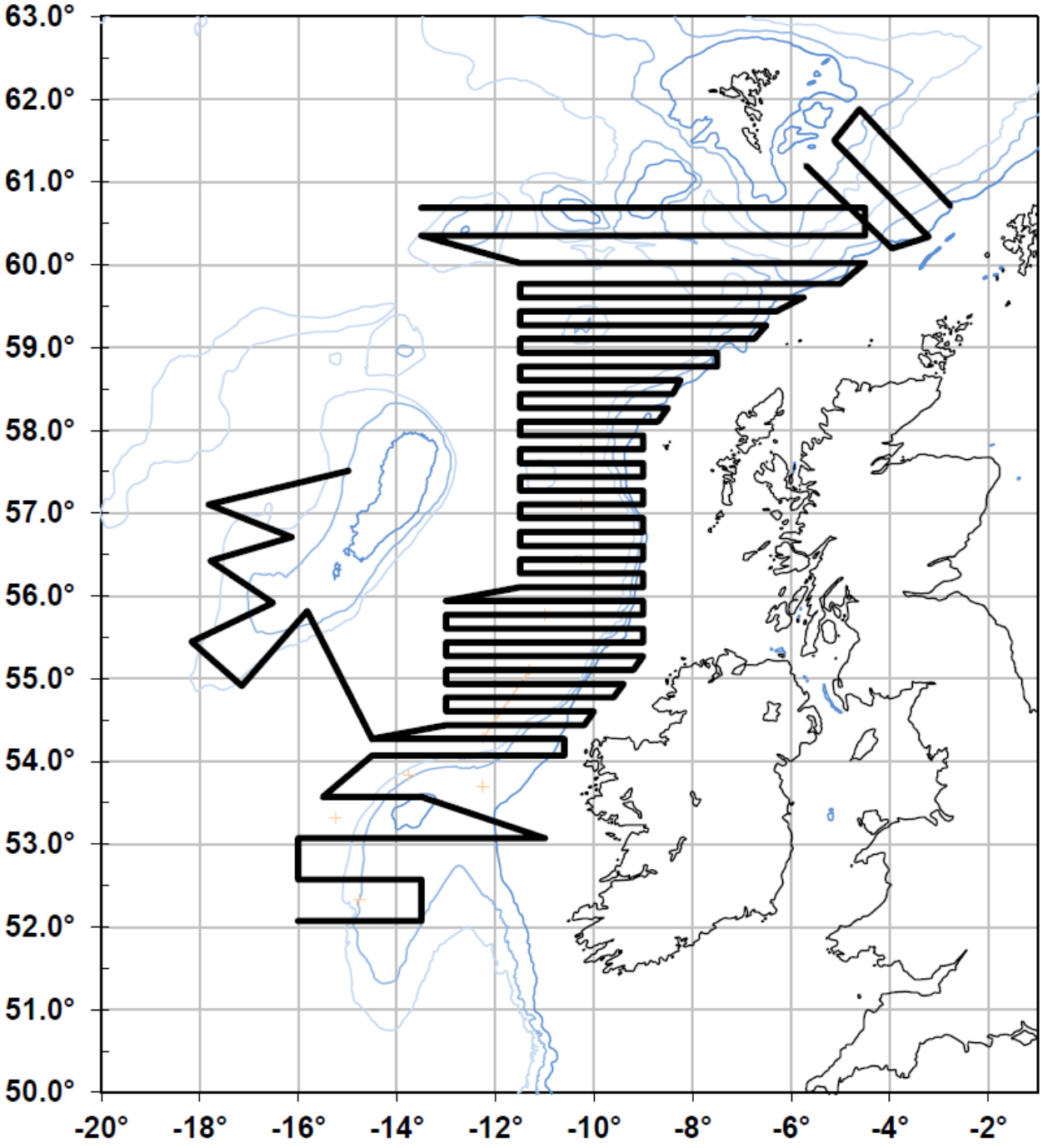
PORT CALL ***Stornoway or Kirkwall***

DATES 17 March/10 April 2015

INDICATE "YES" OR "NO"

LIST SCIENTIFIC WORK BY FUNCTION 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	DISTANCE FROM COAST WITHIN 12 NMS	BETWEEN 12-200 NM	(CONTINENTAL SHELF WORK ONLY) BEYOND 200 NM BUT WITHIN THE CONTINENTAL MARGIN
	YES	***YES***	***NO***	***YES***	***YES***	***YES***

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.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