

NOTIFICATION OF PROPOSED RESEARCH

PART A : GENERAL

1. NAME OF RESEARCH SHIP: *TRIDENS* CRUISE NO: *wk. 12 - 15*
2. DATES OF CRUISE FROM *13 March 2017* TO *7 April 2017*
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
- |   |                    |
|---|--------------------|
| <u>NAME</u>   | <i>TRIDENS</i>     |
| <u>NATIONALITY</u>  | <i>Dutch</i>       |
| <u>OVERALL LENGTH</u>   | <i>73.5</i> METRES |
| <u>MAXIMUM DRAUGHT</u>  | <i>5,20</i> METRES |
| <u>NETT TONNAGE</u>   | <i>659</i>         |
| <u>POPULSION</u>  | <i>DIESEL</i>      |
| <u>CALL SIGN</u>  | <i>PBVO</i>        |
| <u>REGISTRATION PORT &amp; NUMBER</u><br>(if registered fishing vessel) |                    |
6. CREW
- |                       |                     |
|-----------------------|---------------------|
| <u>NAME OF MASTER</u> | <i>K. Reichgeld</i> |
| <u>NUMBER OF CREW</u> | <i>21</i>           |
7. SCIENTIFIC PERSONNEL
- |  |  |
|--|--|
| <u>NAME AND ADDRESS OF SCIENTIST IN CHARGE</u> | <i>S. Fässler</i><br><i>IMARES</i><br><i>P.O. Box 68, IJmuiden</i> |
| <u>TEL/FAX NO</u>                              | <i>+ 31 0317-487474/487326</i>                                     |
| <u>NO: OF SCIENTISTS</u>                       | <i>6</i>   |
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 **13 March 2017** TO **7 April 2017**
3. a) PURPOSE OF RESEARCH **Estimate the spawning stock abundance of Blue Whiting using acoustic methods.**

b) GENERAL OPERATIONAL 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 beams. 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 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:  
**Acoustic intensity measurements of fish densities.**  
**Fish samples.**  
**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

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<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) **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 STATE FOR 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

COASTAL STATE *United Kingdom/*

COMPLETE THE FOLLOWING TABLE -  
SEPERATE PAGE FOR EACH COASTAL STATE

PORT CALL *Stornoway or Kirkwall*

DATES *13 March - 7 April 2017*

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			
	<i>YES</i>	<i>YES</i>	<i>NO</i>	<i>YES</i>	<i>YES</i>	<i>YES</i>

**B. Clement**

(On behalf to the Principal Scientist)



Dated *29 November 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.



