

NOTIFICATION OF PROPOSED RESEARCH

PART A : GENERAL

1. NAME OF RESEARCH SHIP: *TRIDENS* CRUISE NO: *wk. 12 - 15*
2. DATES OF CRUISE FROM *18 March 2014* TO *11 April 2014*
3. OPERATING AUTHORITY *Ministry of Economic Affairs, Agriculture and Innovation
Bezuidenhoutseweg 73
THE HAGUE*
- TELEPHONE *070-3792349* TELEX *32040 Lavinl*
- FACSIMILE *070-3825648* E-MAIL *J.W.Groen @viss.agro.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 & NUMBER</u>
(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
IMARES
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)*
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 *18 March 2014* TO *11 April 2014*
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 gear/trawl 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 38 kHz transducer will be calibrated with the aid of a small copper sphere that is lowered below the keel of the ship. For the calibration of a second 38 kHz transducer which is build in a towed body, the towed body (2,5 x 1 m; 300 kg; stainless steel) has be lowered a few meters below the surface. The entire operation will not take more than 6 hours. A CTD profile will be taken at the calibration site. No fishing will be conducted, and no other electronic instruments than the normal 38 kHz 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 signals of Blue whiting.
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 Echosounder, 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
Mr. Eric Armstrong, Marine Scotland, Scotland
Dr. Jan Arge Jacobsen, Havstovan, Faroe Islands

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
UK, Ireland, Faroe Islands

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

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	<u>(CONTINENTAL SHELF WORK ONLY)</u>		
				WITHIN 12 NMS	BETWEEN 12-200 NM	BEYOND 200 NM BUT WITHIN THE CONTINENTAL MARGIN
Acoustic survey	YES	YES	NO	YES	YES	YES

Lydia Cornelissen
 (On behalf to the Principal Scientist)



Dated **15 October 2013**

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.



