		NOTIFICATION OF	PROPOSED RESEAR	RCH		
PAR.	I'A : GENERAL					
1.	NAME OF RESEARCH SHIP	: TRIDENS		CRUIS	<u>E NO:</u> wk.26-29/13	
2.	DATES OF CRUISE	FROM 24-06-2	013	TO	19-7-2013	
3. <u>0</u>	PERATING AUTHORITY					
		J.W. Groen				
		Head of Departme	nt Midden			
		Rijkswaterstaat .	Dienst Noordzee	e / Rijks	<i>Rederij</i>	
		Visitors adress:	Lange Kleiweg	34, 2288	3 GK Rijswijk	
		Postal adress: P	ostbus 5807, 22	280 HV R:	ijswijk	
		TRI EDIIONE (21	70 2266 202		v	
		<u>TELEPHONE</u> 731 -	70 - 3300 303	<u>теле</u> т мл		
4		FACSIMILE		<u>E-M</u>		
4.	<u>OWNER</u>					
	(II different from					
	Para 3)					
5.	PARTICULARS OF SHIP	NAME	TRIDENS			
		NATIONALITY	Dutch			
		OVERALL LENGTH	73,5 METR	ES		
		MAXIMUM DRAUGHT	<i>5,20</i> METR	ES		
		NETT TONNAGE	659			
		POPULSION	DIESEL			
		CALL SIGN	PBVO			
		REGISTRATION PORT & NUMBER				
		(if registered f	ishing vessel)			
б.	CREW	NAME OF MASTER	K. Reicl	hgeld		
		NUMBER OF CREW	15			
7.	SCIENTIFIC PERSONNEL	NAME AND ADDRESS	OF A.S Cour	perus		
		SCIENTIST IN CHA	RGE IMARES	(formely	"Netherlands Inst.	
			For Fish	h. Resea	rch)	
			Р.О. Воз	x 68, IJ	muiden	
		TEL/FAX NO	0317-480	0900/031	7-487074	
		NO: OF SCIENTIST	' <u>S</u> 5			
8.	GEOGRAPHICAL AREA IN N	WHICH SHIP WILL O	<u>PERATE (with re</u>	eference	in Latitude & Longitude	
	52°00 - 62°00 N and 0	04°30 W - 008°30	E			

- 9. <u>BRIEF DESCRIPTION OF PURPOSE OF CRUISE:</u> North Sea hydro acoustic survey for herring and sprat
- 10. DATES AND NAMES OF INTEND PORTS OF CALL: Aberdeen:

11-07-2013

09-07-2013 -

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: None

PART B : GENERAL

1.	NAME OF RESEARCH	SHIP:	TRIDENS		<u>CRUISE NO</u> : wk.	26-29/13
2.	DATES OF CRUISE	FROM	24-06-2013	ТО	19-7-2013	

3. <u>a) PURPOSE OF RESEARCH</u> To carry out an hydro acoustic survey defining the abundance of herring and sprat in the North Sea, in co-operation with the institutes of Norway, Scotland, Denmark and Germany. Calibration of the echosounder in a sheltered area, preferably at Kristiansand 58°08N - 007°59E, Scapa Flow, Orkneys 58°56'71 N -003°00'57 W, Loch Eriboll 58°30N - 4°41W, or Stavanger fjord 59°05N -005°36.

b) GENERAL OPRATIONAL METHODS (including full description of any fishing geartrawl type, mesh size etc:) A pelagic trawl (2000 meshes), fitted out with an inner codend of 20 mm meshes, will be used for identifying the traces.

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- and a 200 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 take approximately 8 hours. A CTD profile will be taken at the calibration site. No fishing will be conducted, and no other electronic instruments than echosounder with the normal 38 kHz, 120 kHz and 200 kHZ transducer and the CTD will be operated.

- 4. <u>ATTACH CHART</u> showing (on an <u>appropriate</u> 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: *Chart included*.
- 5. <u>a) TYPES OF SAMPLES REQUIRED</u> eg Geological/Water/Plankton/Fish/Radionuclide:

Samples of pelagic fishes for biological research will be retained on board. CTD profiles.

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)

Samples of pelagic fishes will be collected by fishing CTD profiles will be taken by lowering a CTD probe as deep as 5 m above the bottom.

6. <u>DETAILS OF MOORED EQUIPMENT:</u> none

DATES

Laying <u>Recovery</u> <u>Description</u> <u>Depth</u> <u>Latitude</u> <u>Longitude</u>

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. <u>DETAIL & REFERENCE OF:</u>

a) ANY RELEVANT PREVIOUS/FUTURE CRUISES:

From	24-06-96	to	19-07-96:	North	Sea	hydro	acoustic	survey
From	16-06-97	to	18-07-97:	North	Sea	hydro	acoustic	survey
From	22-06-98	to	17-07-98:	North	Sea	hydro	acoustic	survey
From	21-06-99	to	16-07-99:	North	Sea	hydro	acoustic	survey
From	19-06-00	to	14-07-00:	North	Sea	hydro	acoustic	survey
From	25-06-01	to	20-07-01:	North	Sea	hydro	acoustic	survey
From	24-06-02	to	19-07-02:	North	Sea	hydro	acoustic	survey
From	28-06-04	to	21-07-04:	North	Sea	hydro	acoustic	survey
From	27-06-05	to	22-07-05:	North	Sea	hydro	acoustic	survey
From	26-06-06	to	21-07-06:	North	Sea	hydro	acoustic	survey
From	25-06-07	to	20-07-07:	North	Sea	hydro	acoustic	survey
From	23-06-08	to	17-07-08:	North	Sea	hydro	acoustic	survey
From	29-06-09	to	24-07-09:	North	Sea	hydro	acoustic	survey
From	23-06-10	to	28-07-10:	North	Sea	hydro	acoustic	survey
From	27-06-11	to	22-07-11:	North	Sea	hydro	acoustic	survey
From	25-06-12	to	20-07-12:	North	Sea	hydro	acoustic	survey

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

See reports of ICES expert group PGHERS (till 2008) PGIPS (2009) WGIPS (2010 onwards)

http://www.ices.dk/workinggroups/ViewWorkingGroup.aspx?ID=429

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:

Reidar Toresen, Inst. of Mar. Res., PO Box 1870 Nordnes, N-5024 Bergen, Norway

Phil Copland, FRS Mar. Lab., PO Box 101, Victoria Road, AB11 9DB Aberdeen, Scotland Jens Ulleweit, Institut für Seefischerei (ISH) Bundesforschungsanstalt für Fischerei, Palmaille 9, D-22767 Hamburg, Germany

Karl-Johan Staehr, Danish Institute for Fisheries Research (DTU Aqua - former DIFRES), North Sea Centre, P.O.Box 101, DK-9850 Hirtshals, Denmark

10. <u>STATE:</u>

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

Survey report as annex in the ICES expert group report: http://www.ices.dk/workinggroups/ViewWorkingGroup.aspx?ID=429 COMPLETE THE FOLLOWING TABLE -SEPERATE PAGE FOR EACH COASTAL STATE

COASTAL STATE United Kingdom/ Scotland /

PORT CALL Aberdeen

DATES 24 June/19 July 2013

- LIST SCIENTIFIC WORK BY FUNCTION				DISTANCE	E FROM COAS	r
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	WITHIN 12 NMS	BETWEEN 12-200 NM	(CONTINENTAL SHELF WORK ONLY) BEYOND 4 200 NM BUT WITHIN THE CONTINENTAL MARGIN
_	YES	YES	NO	YES	YES	YES

INDICATE "YES" OR "NO"

L. Cornelissen (On behalf to the Principal Scientist)

omelissen

*th of February 2013 Dated

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