

NOTIFICATION OF PROPOSED RESEARCH

PART A : GENERAL

1. NAME OF RESEARCH SHIP: **ARCA** CRUISE NO: **wk. 11**
2. DATES OF CRUISE FROM **14 March 2011** TO **19 March 2011**
3. OPERATING AUTHORITY **Ministry of Agriculture, Natural Management & Fisheries
Bezuidenhoutseweg 73
THE HAGUE**
- TELEPHONE **070-3792349** TELEX **32040 Lavinl**
- FACSIMILE **070-3825648** E-MAIL **aad.de.ruijter@rws.nl**
4. OWNER
(If different from Para 3)
5. PARTICULARS OF SHIP
- | | |
|---|-------------------|
| <u>NAME</u> | ARCA |
| <u>NATIONALITY</u> | Dutch |
| <u>OVERALL LENGTH</u> | 83 METRES |
| <u>MAXIMUM DRAUGHT</u> | 5,6 METRES |
| <u>NETT TONNAGE</u> | 716 |
| <u>POPULSION</u> | DIESEL |
| <u>CALL SIGN</u> | PDHT |
| <u>REGISTRATION PORT & NUMBER</u>
(if registered fishing vessel) | |
6. CREW
- | | |
|-----------------------|-----------------|
| <u>NAME OF MASTER</u> | C. Zwaan |
| <u>NUMBER OF CREW</u> | 9 |
7. SCIENTIFIC PERSONNEL
- | | |
|--|---|
| <u>NAME AND ADDRESS OF SCIENTIST IN CHARGE</u> | C.J.G. van Damme
IMARES (Institute for Marine Resources and Environmental Studies)
P.O. Box 68, IJmuiden |
| <u>TEL/FAX NO</u> | + 31 317 480900/487326 |
| <u>NO: OF SCIENTISTS</u> | 4 |
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude & Longitude)
English Channel + Southern North Sea (East of 1°W/South of 56°N)
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: **Egg and larvae Survey**
10. DATES AND NAMES OF INTEND PORTS OF CALL: **none**
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: **none**

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B : GENERAL

1. NAME OF RESEARCH SHIP: **ARCA** CRUISE NO: **wk. 11**

2. DATES OF CRUISE **FROM 14 March 2011 TO 19 March 2011**

3. a) PURPOSE OF RESEARCH **To collect data of the distribution of fish eggs and larvae. To obtain hydrographical data.**

b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear/trawl type, mesh size etc:)
Gulf VII plankton sampler

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:
Plankton samples for analysing fish eggs and larvae.
The sampler is dragged behind the vessel, while it is lowered down to approximately 5 meters above the bottom and up again.
The plankton sampler is clearly NOT a bottom gear.

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)
By fishing with a Gulf VII plankton sampler.

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:
Staff members of the Fisheries Laboratories at Lowestoft and Boulogne sur Mer.

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 **FRANCE, UK, Belgium, Germany**

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		
				WITHIN 12 NMS	BETWEEN 12-200 NM	(CONTINENTAL SHELF WORK ONLY) BEYOND 200 NM BUT WITHIN THE CONTINENTAL MARGIN
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>Gulf VII Plankton sampler</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>CTD-recorder</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>

Els Hoeboer
(On behalf to the Principal Scientist)

Dated **January, 31th 2011**

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.

