

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP FRV Walther Herwig III CRUISE NO. WH 292
2. DATE OF CRUISE FROM 15.09.06 TO 05.10.06
3. OPERATING AUTHORITY *Bundesanstalt für Landwirtschaft und Ernährung
Palmaille 9, 22767 Hamburg*
- TELEPHONE +4940 38905171/TELEX 214763 bled Fax +494038905128
4. OWNER (if different from para. 3) Federal Republic of Germany
5. PARTICULARS OF SHIP
- NAME FRV "Walther Herwig III"
- NATONALITY German
- OVERALL LENGHT 64.5 METRES
- MAXIMUM DRAUGHT 6.2 METRES
- NETT TONNAGE approx. 2100 BRZ
- PROPULSION STEAM TURBINE / DIESEL / DIESEL ELECTRIC
- CALL SIGN DBFR
- REGISTERED PORT & NUMBER
(if registered fishing vessel) -
6. CREW NAME OF MASTER H. Janßen or deputy
- NUMBER OF CREW 21
7. SCIENTIFIC PERSONNEL NAME AND ADDRESS OF Dipl. Biol. H. Wienbeck
- SCIENTIST - IN - CHARGE BFAFi - Institut für Fischereitechnik und
Fischereiökonomie
Palmaille 9, 22767 Hamburg
- TEL. / TELEX / FAX NO. +49 40 38905-182 +494038905-264
- NUMBER OF SCIENTISTS 12
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude and Longitude) :
60°00'N-43°00'N; 13°W-6°E -- VII e, h (see map attached)
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE :
Fishery Gear Research in the frame of the running EU-programm "NECESSITY" (Nephrops and Cetacean Species Information and TechnologY) Contract SSP8-CT-2003-501605
10. DATES AND NAMES OF INTENDED PORTS OF CALL :
Plymouth, date not fixed, depending on work schedule
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL :
None

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PART B: GENERAL

1. NAME OF RESEARCH SHIP *Walther Herwig III* CRUISE NO. 292
2. DATES OF CRUISE FROM.....15.09.06... TO05.10.06.....
3. a) PURPOSE OF RESEARCH

The cruise is part of the ongoing EU-project "NECESSITY". This project deals with the mitigation or even avoidance of bycatch of small cetaceans or other big pelagic fish by appropriate changes in the construction of large pelagic trawls used in the fishery on clupeids or other schooling fish. The efficiency of such constructions will be evaluated in and around the net by means of underwater TV-observation. Hydroacoustic equipment will be used to locate the cetaceans.

- b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear - trawl type, mesh size etc)

*Gloria trawl for pelagic trawling
Dutch trawl for pelagic trawling (GM3)*

4. ATTACH CHART showing, (on an appropriate scale) the geographical area of the intended work, the area to be fished, positions of intended stations, tracks of survey lines, positions of moored / seabed equipment, areas to be fished:

The specific areas to be investigated depend on the fish distribution of cetaceans during the cruise, and on weather conditions. Thus, no fishing stations can be determined in advance, and the cruise track provided is only tentative. The chart attached shows the marked ICES areas of research operations. The main areas are West of British Isles, Bay of Biscay to the Spanish coast along the continental shelf.

5. a) TYPES OF SAMPLES REQUIRED e.g. Geological / Water / Plankton / Fish/ Radionuclide etc:

Samples of fish species, which are wanted for chemical and DNS investigations in small amounts.

5. b) METHODS OF OBTAINING SAMPLES (e.g. dredging / coring /drilling / fishing etc.)
(When using fishing gear indicate fish stocks being worked, quantity of each species required, quantity of fish to be retained on board)

trawling, small amounts remaining on board

6. DETAILS OF MOORED EQUIPMENT : *no moored equipment*

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 HAZARDOUS MATERIALS: (e.g. Chemicals/ Explosives/ Gases/ Radioactive etc.)
(Use separate sheet if necessary)

(a) TYPE AND TRADE NAME *none*

(b) CHEMICAL CONTENT (& Formula)

© IMO IMDG CODE Reference & UN No.)

(d) QUANTITY & METHOD OF STOWAGE ON BOARD

(e) IF EXPLOSIVES give date (s) of detonation *none*

- Method of detonation
- Position of detonation
- Frequency of detonation
- Depth of detonation
- Size of detonation planned

8. DETAIL & REFERENCE OF :

(a) ANY RELEVANT PREVIOUS / FUTURE CRUISES

Second cruise of RV "Walther Herwig III" on this topic.

(b) ANY PREVIOUSLY PUBLISHED RESEARCH DATE RELATING TO THE PROPOSED CRUISE.

See annual reports of the Working Group on Marine Mammal Ecology.

9. NAMES AND ADDRESSES OF SCIENTISTS IN COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE:

NL: B.van Marlen, RIVO-DLO, IJmuiden

UK: Ph.D. Andy Revill, Lowestoft Lab, CEFAS.; Ph.D. R.S.T. Ferro, Mar.Lab, Aberdeen, FRS; Ph.D. Siomon Northridge, USTAN; Ph.D. Phil Mac Mullen, SEAFISH

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.

Yes: 15.09.06 and 05.10.06, Bremerhaven

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

Cruise Report about 6 weeks after the trip

EU-interim Report of the project "Necessity" 2006

PART C: SCIENTIFIC EQUIPMENTCOASTAL STATE *United Kingdom*COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATEPORT CALL *Plymouth*DATE 15thSept.-05thOkt.2006INDICATE „YES“ OR „NO“

LIST OF SCIENTIFIC WORK BY FUNCTION e.g. MAGNETOMETRY GRAVITY, DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U / W TV 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
Trawling	surface to seabed	yes	no	yes	yes	no
Echo-integration with hull-mounted instruments	water column	yes	no	yes	yes	no
UW-observations with towed vehicle	water column	yes	no	yes	yes	no



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(Principal Scientist)

Dated....3 May 2006

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

Intended area of investigation

