

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. *NAME OF RESEARCH SHIP* Belgica *CRUISE NO.* 2003/01
2. *DATES OF CRUISE* From: 27/01/2003 To: 31/01/2003
3. *OPERATING AUTHORITY* Belgian Navy under contract for Belgian Ministry of Science Policy
Management Unit of the North Sea Mathematical Model
"M.U.M.M.", 3deg and 23deg Lenieregientsplein, 8400 Oostende
- Telephone: 32(0)59 70 01 31
Facsimile: 32(0)59 70 49 35
Email: bmmost@mumm.ac.be
4. *OWNER* Belgian state represented by Minister for Science Policy
5. *PARTICULARS OF SHIP*
- | | |
|-------------------------|------------|
| <i>NAME:</i> | Belgica |
| <i>NATIONALITY:</i> | Belgian |
| <i>OVERALL LENGTH:</i> | 51 metres |
| <i>MAXIMUM DRAUGHT:</i> | 4,5 metres |
| <i>NET TONNAGE:</i> | 232 NRT |
| <i>PROPULSION:</i> | Diesel |
| <i>CALL SIGN:</i> | ORGQ |
6. *CREW*
- | | |
|------------------------|------------------|
| <i>NAME OF MASTER:</i> | J. DUJARDIN, 1LZ |
| <i>NO. OF CREW:</i> | 15 |
7. *SCIENTIFIC PERSONNEL*
- | | |
|---|--|
| <i>NAME AND ADDRESS OF SCIENTIST IN CHARGE:</i> | Dhr. Ronald FONTEYNE
Sea Fisheries Department
Technical Research Unit
Ankerstraat 1
8400 OOSTENDE
Belgium |
|---|--|
- NUMBER OF SCIENTISTS:* 15
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*
(with reference to latitude and longitude)
- Belgian, Dutch and UK Continental shelves:
ICES sub-area IVc between 51deg 00' North 0deg 00' East and 53deg 30' North 05deg 00' East
9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*
- The project, in the framework of the "North Sea Cod Recovery Plan", intends to improve the length selectivity for cod of flatfish beam trawls, aiming at the recovery of the North Sea cod stocks.
10. *DATES AND NAMES OF INTENDED PORTS OF CALL*
- Zeebrugge Departure/Arrival : 27 January 2003/31 January 2003
11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*
- None

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: DETAIL

1. *NAME OF RESEARCH SHIP* Belgica *CRUISE NO.* 2003/01

2. *DATES OF CRUISE* From: 27/01/2003 To: 31/01/2003

3. *PURPOSE OF RESEARCH AND GENERAL METHODS*

(If the research work is being taken on behalf of a research institution of a third state, it is the responsibility of that state to obtain prior permission. It is essential that written confirmation that this has been done is obtained and quoted in this application).

This project intends to improve the length selectivity for cod of flatfish beam trawls, by applying square mesh windows in the codend. The project is performed in the frame of the "North Sea Cod Recovery Plan", aiming at the recovery of the North Sea cod stocks. The application of square mesh windows already proved to be successful in the Baltic Sea cod fisheries. The experiments are part of the EU funded Project "RECOVERY"..

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)

See Chart 1

5. a) *TYPES OF SAMPLES REQUIRED*

(e.g. Geological/Water/Plankton/Fish/Radionuclide)

Fish

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, quantify of fish to be retained on board)

beam trawling

6. *DETAILS OF MOORED EQUIPMENT*

DATES: None

<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*

(Chemicals, Explosives, Gases, Radioactive etc)

(use separate sheet, if necessary)

None

a) *TYPE AND TRADE NAME*

b) *CHEMICAL CONTENT (& FORMULA)*

c) *IMO IMDG CODE REFERENCE & UN. NO.*

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*

Belgian cruises 2001/16, 2001/28, 2001/33a and 2002/22

b) *ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE*

Fonteyne, R. and Polet, H., 2002. Reducing the benthos by-catch in flatfish beam trawling by means of technical modifications. Fisheries Research, 55 (1-3) (2002) pp. 219-230

Fonteyne, R., Polet, H., Van Marien, B., Macmullen, Ph. and Swarbrick, J., 1997. Optimisation of a species selective beam trawl. ICES Fish. Technol. Fish. Behav. Work. Group Meeting, Hamburg, Duiteland, April 1997.

Anon., 2000. Improving Technical Management in Baltic Cod Fishery (BACOMA). Final report research project FAIR CT 96-1994.

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. R.S.T. FERRO, Marine Laboratory, Aberdeen, UK

Dr. Michel J. Kaiser, School of Ocean Sciences, University of Wales Bangor, Menai Bridge, Gwynedd, LL59 5EY, UK

Ir. Bob van Marien, Netherlands Institute for Fisheries Research RIVO, Haringkade 1, P.O. Box 68, 1970 AB IJmuiden, The Netherlands

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 PORTS FOR EMBARKATION/DISEMBARKATION*

Yes (see part A.10)

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

Cruise report within 2 months (on request)

The research data have been and will be published within the frame of the Fish Capture Committee of ICES

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE: The Netherlands

11. COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR EACH COASTAL STATE
(indicate "Yes" or "No")

List of all major marine scientific equipment, including scientific sonar other than standard navigational echo sounders it is proposed to use and indicate waters in which it will be deployed	In territorial	On continental shelf
- 8 m flatfish beam trawl (twin net)	YES	YES

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE: United Kingdom

11. COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR EACH COASTAL STATE
(indicate "Yes" or "No")

List of all major marine scientific equipment, including scientific sonar other than standard navigational echo sounders it is proposed to use and indicate waters in which it will be deployed	In territorial	On continental shelf
- 8 m flatfish beam trawl (twin net)	YES	YES

(On behalf of the Principal Scientist)

Dated 17 January, 2003

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.

Chart 1 : BELGICA Campaign 2003/01

