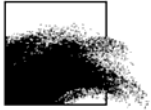


NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. Name of research ship **RV BELGICA** Cruise N° **2013/32**
2. Dates of cruise From **02 December** To **06 December 2013**
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.", 3de en 23ste Linierregimentsplein, 8400 Oostende**
Tel: **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
- | | |
|-----------------|--|
| Name | Belgica |
| Nationality | Belgian |
| Overall length | 51 meters |
| Maximum draught | 4,5 meters |
| Nett tonnage | 232NRT |
| Propulsion | Diesel |
| Call Sign | ORGQ |
| Telephone | INMARSAT 00870 76 218 73 27 |
| Facsimile | INMARSAT 00870 32 052 18 12 |
| Email | belgica@mumm.ac.be |
6. Crew
- | | |
|----------------|--------------------------------|
| Name of master | Lt Cdr (BeN) Pedro DORY |
| N° of Crew | 15 |
7. Scientific Personnel
- Name and address of scientist in charge :
- Dhr. Bart VERSCHUEREN**
ILVO-Dier-Visserij, Technical Research Unit
Ankerstraat 1, 8400 OOSTENDE, Belgium
Tel +32-59-56 98 44; Fax : +32-59-33 06 29
Email : bart.verschueren@ilvo.vlaanderen.be
Website : www.ilvo.vlaanderen.be
- N° of scientists : **15**
- (A nominall roll of all personnel other than nationals of the applicant (flag) state is required)*
8. Geographical area in which ship will operate (with reference in latitude and longitude)
- UK continental shelf (between 50°N and 55°N)**
9. Brief description of purpose of cruise
- Study of the selectivity and seafloor impact of towed fishing gear**
10. Port of Call. Dates. Reasons
- | | | |
|------------------|-------------------|--|
| Zeebrugge | 02/12/2013 | Departure homeport. Start of research cruise RV Belgica 2013/32 |
| Zeebrugge | 06/12/2013 | Arrival homeport. End of research cruise RV Belgica 2013/32 |
11. Any special logistic requirements at ports of call (other than water, fuel provisions, etc.) **N.A.**



NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: DETAIL

1. Name of research ship **RV BELGICA** Cruise N° **2013/32**

2. Dates of cruise From **06 December** To **06 December 2013**

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.

On July 14, 2011 the European Commission (COM) published its proposal for a new CFP to replace the current Regulation (EC) No 2371/2002. One of the main changes shall is to introduce a discard ban in the form of a gradual introduction of an obligation to land starting in 2014. By 2016, this should lead to an obligation to land for almost all species. Research on improving the selectivity of towed gears to both length and species composition is therefore necessary. The next few years, the time available on the research vessels will be used mainly for that purpose. Other topics that will be addressed are:

- **The relationship between discards and seabird populations**
- **The collection of biological data for commercial species in the context of NDGP (EU Data Collection Regulation).**

4. Attach chart(s) 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.

See Annex

5. Types of samples required, e.g. Geological / Water / Plankton / Fish / Radioactivity / Isotope

fish

and methods by which samples will be obtained (including dredging/coring/drilling).

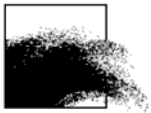
8 m beam trawl

6. Details of moored equipment : **N.A.**

Dates Laying	Recovery	Description	Latitude	Longitude
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7. Explosives **N.A.**

(a) Type and Trade Name	(b) Chemical content
(c) Dept of trade class and stowage	(d) Size
(e) Depth of detonation	(f) Frequency of detonation
(g) Dates of detonation	



8. Details and reference of

(a) Any relevant previous/future cruises

RV Belgica cruises 2001/08, 2001/16, 2001/28, 2001/33a, 2002/22 2003/01, 2003/28 and 2003/31, 2004/2a-b, 2004/27, 2004/30, 2005/06, 2005/09, 2006/03, 2006/25, 2007/02, 2007/26, 2007/27, 2008/03, 2008/29, 2009/03, 2009/10, 2009/32a-b, 2010/02a-b; 2010/31a-b, 2011/04, 2011/10, 2011/31a-b, 2012/05, 2012/11, 2012/5, 2012/11, 2012/28, 2012/32, 2013/06, 2013/10 and 2013/25.

(b) Any previous published research data relating to the proposed cruise

(attach separate sheet if necessary)

- **Stouten, H.; Heene, A.; Gellynck, X.; Depestele, J. & Polet, H., 2008. The effect of restrictive policy instruments on Belgian fishing fleet dynamics. Aquat. Living Resour. 21, 2008, pp. 247–258**
- **Vercauteren, G., Chiers, K., Verschueren, B., Decostere, A. and Polet H., 2010. Effects of Low-frequency Pulsed Direct Current on Captive-housed Sea Fish. Journal of Comparative Pathology, Volume 143, Issue 4, November 2010, Page 354**
- **Depestele, J.; Vandemaele, S.; Vanhee, W.; Polet, H.; Torreele, E.; Leirs, H.; Vincx, M. (2011). Quantifying causes of discard variability: an indispensable assistance to discard estimation and a paramount need for policy measures ICES J. Mar. Sci./J. Cons. int. Explor. Mer 68(8): 1719-1725**

9. Names and addresses of scientist of the coastal state in whose waters the proposed cruise takes place with whom previous contact has been made.

Dr. Michel J. KAISER, School of Ocean Sciences, University of Wales-Bangor, Menai Bridge, Gwynedd, LL59 SEY, UK

Dr. Barry O'NEILL, Marine Laboratory, P.O. Box 101, 375 Victoria Road, Aberdeen AB11 9DB, UK

10. State :

(a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable.

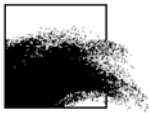
Yes

(b) Whether it will be acceptable to carry on board an observer from the coastal state for any part of the cruise and dates and ports of embarkation / disembarkation.

Yes, cfr. part A § 10

(c) When research data from intended cruise is likely to be made available to the coastal state and if so by what means. (If the final report is likely to be delayed beyond 12 months, interim progress reports are required.)

Cruise report within 2 months by request to the chief scientist

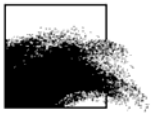


Part C: SCIENTIFIC EQUIPMENT

COASTAL STATE : **UNITED KINGDOM**

(Indicate "YES" or "NO")

<u>LIST SCIENTIFIC WORK BY FUNCTION</u>	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 NMS	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:						
8 m beam trawl	Yes	Yes	Yes	Yes	Yes	No



ANNEX

RV Belgica research cruise 2013/32: chart

