

NOTIFICATION OF PROPOSED RESEARCH CRUISE**PART A: GENERAL**

1. Name of research ship **RV BELGICA** Cruise N° **2016/21a-b**
2. Dates of cruise From **28 November** To **09 December 2016**
3. Operating Authority **Belgian Navy under contract for Belgian Ministry of Science Policy
Royal Belgian Institute for Natural Sciences (RBINS)
Operational Directorate Natural Environment, Measurement Services Ostend
3de en 23ste Linierregimentsplein, B-8400 Ostend
☎ + 32(0)59 70 01 31 • 📠 + 32(0)59 70 49 35 • ✉ mso@odnature.be
odnature.naturalsciences.be/belgica**
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 | rvbelgica@naturalsciences.be |
6. Crew
- | | |
|----------------|--|
| Name of master | Lieutenant Commander (BeN) Bernard TABUREAU |
| N° of Crew | 15 |
7. Scientific Personnel
- Name and address of scientist in charge :
- Dhr. Bart VERSCHUEREN
Institute for Agricultural and Fisheries Research 'ILVO'
Animal Sciences, Fisheries and Aquatic Productions
Ankerstraat 1, 8400 Ostend, Belgium
☎ +32-59-56 98 44 • 📠 +32-59-33 06 29 • ✉ bart.verschueren@ilvo.vlaanderen.be
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)
- Belgian, UK, French waters
Between N50°00', W 2°00'; N54°00, E 4°50'**
9. Brief description of purpose of cruise
- Experimental testing of technical innovations in fishing gears, hereby focusing on a more sustainable Sea Fishery Sector**
10. Port of Call. Dates. Reasons
- | | | |
|------------------|----------------------|---|
| Zeebrugge | 28/11/2016 | Departure homeport. Start of research cruise RV Belgica 2016/21a |
| Southwick | 02/12/16 p.m. | Arrival harbor Southwick. End of research cruise RV Belgica 2016/21a |
| Southwick | 03/12-04/12 | Relaxations of crew and scientists. |
| Southwick | 05/12/16 a.m. | Departure harbor. Start of research cruise RV Belgica 2016/21b |
| Zeebrugge | 09/12/2016 | Arrival homeport. End of research cruise RV Belgica 2016/21b |
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° **2016/21ab**

2. Dates of cruise From **28 November** To **09 December 2016**

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 (mainly through TECHVIS a project funded by IWT, SDVO and the fisheries sector). 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. Attach chart with list of positions (+ geographical references)

See Annex 1 (Chart)

See Annex 2

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 twin 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

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, 2013/10, 2013/25, 2013/32, 2014/05, 2014/23, 2014/30, 2015/4, 2014/24, 2015/04, 2015/11, 2016/02, 2016/04

(b) Any previous published research data relating to the proposed cruise
(attach separate sheet if necessary)

- **Depestele, J., Polet H., 2013. Maakt de boomkor een kans als het teruggooiverbod wordt ingevoerd? Kan een scheidingspaneel hierbij helpen? Visserijnieuws, 29 Maart, 6.**
- **Depestele, J., Polet H., 2013. Maakt de boomkor een kans als het teruggooiverbod wordt ingevoerd? Kan een scheidingspaneel hierbij helpen? Rederscentrale, Februari, 16-17.**
- **Polet, H, Vanderperren E., 2013. "ADVIS II - EEN OVERZICHT VAN EXPERIMENTEN MET DE ALTERNATIEVE BOOMKOR", onderdeel ADVIS II rapport (VIS/09/A/04/Div, 0157TECH/2013/03b)**
- **Maleš, J., Vincx M., Depestele J., 2011. THE POTENTIAL OF GEAR MODIFICATIONS TO IMPROVE SPECIES SELECTIVITY OF BEAM TRAWLS. Master thesis submitted for the partial fulfillment of the title of Master of Science in Marine Biodiversity and Conservation, Within the ERASMUS MUNDUS Master Programme EMBC**

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.

United Kingdom

- Thomas Catchpole
Centre for Environment, Fisheries & Aquaculture Science (CEFAS)
Pakefield Road, Lowestoft, Suffolk, NR33 0HT
Tel: +44 (0)1502 527793; fax: +44 (0) 1502 513865; Alg Tel: 01502 562244
Thomas.catchpole@cefas.co.uk
- Peter Randall
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Applied Fisheries Science & Technology
Pakefield Road, Lowestoft, Suffolk, NR33 0HT
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Peter.randall@cefas.co.uk

FRANCE

- Pascal Larnaud
Ifremer
Laboratoire de Technologie et de Biologie Halieutique (PDG-RBE-STH-LTBH)
Station de Lorient - 8, rue François Toullec - 56100 Lorient
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- Benoit Vincent
Ifremer
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Fax : +33 (0)2 97 87 38 38
benoit.vincent@ifremer.fr

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 1 month by request to the chief scientist

Part C: SCIENTIFIC EQUIPMENTCOASTAL STATE :**UNITED KINGDOM***(Indicate "YES" or "NO")*

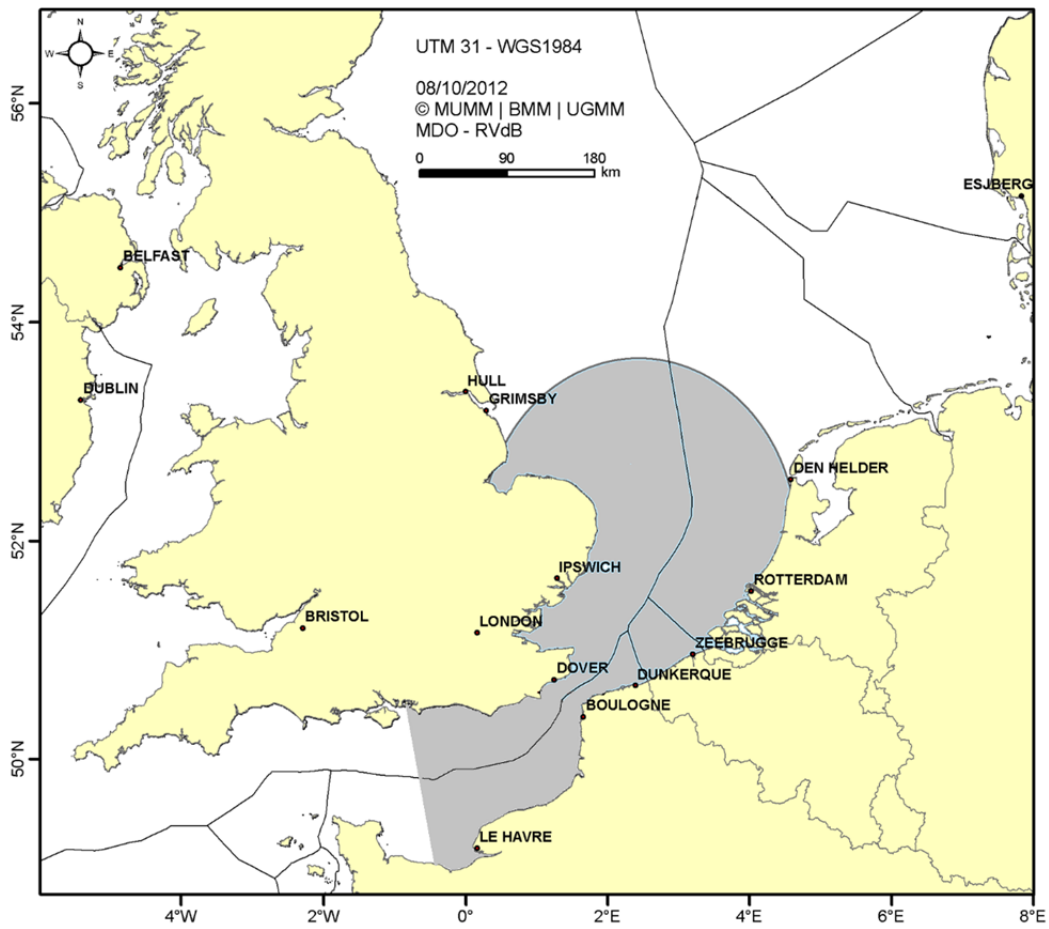
LIST SCIENTIFIC WORK BY FUNCTION	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS	DISTANCE FROM COAST		
				WITHIN 12 NMS	BETWEEN 12-200 NMS	CONTINENTAL SHELF 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

Part C: SCIENTIFIC EQUIPMENTCOASTAL STATE :**FRANCE***(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 1:

Belgica campaigns 2016/21ab: chart



ANNEX 2

RV Belgica research cruise 2016/21ab: coordinates of cruise

The fishing grounds are located in Belgian, UK and French waters, mainly in the southern North Sea and (to a lesser extent) in the eastern English Channel. The exact location of the fishing grounds can't be determined in advance due to the migration of the different target species and the unpredictability of future weather conditions. However, the week before embarking communication is planned to all parties involved concerning the most probable fishing grounds for the research cruise.