

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

1. Name of research ship **RV BELGICA** Cruise N° **2023/Transit_IE-IS**
2. Dates of cruise From **21/06/2023** To **24/06/2023**
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 Linieregimentsplein, B-8400 Ostend
☎ + 32(0) 2 7887 739 • ✉ mso@naturalsciences.be
<https://odnature.naturalsciences.be/belgica/>**
4. Owner **Belgian state represented by Minister for Science Policy**
5. Ship Operator **GENAVIR SASU
1625 Route de Sainte Anne
29280 PLOUZANE
☎ + 33(0)2 98 22 4 64 • 📠: + 33(0)6 75 22 05 69 • ✉ ops@listes.genavir.fr**
6. Particulars of ship
- | | |
|-----------------|--|
| Name | Belgica |
| Nationality | Belgian |
| Overall length | 71,4 meters |
| Maximum draught | 4,8 meters |
| Nett tonnage | 1117NRT |
| Propulsion | Diesel-electric |
| Call Sign | ORCO |
| IMO number | 9871294 |
| Phone numbers | Not available yet |
| Fax numbers | Not available yet |
| Email | rvbelgica@naturalsciences.be |
6. Crew
- | | |
|----------------|---------------------------------------|
| Name of master | Commander (BeN) Gaetan Motmans |
| N° of Crew | 14 |
7. Scientific Personnel
- Name and address of scientist in charge :
- Prof. dr. David VAN ROOIJ
Ghent University
Department of Geology
Renard Centre of Marine Geology
Campus Sterre, building S8
Krijgslaan 281
B-9000 GHENT
☎ +32-9-264 45 83
✉ David.VanRooij@Ugent.be**
- N° of scientists :

(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 *station list and map are attached in the annex)

North Atlantic Ocean, crossing the EEZ of Ireland, UK, Faroe Islands and Iceland (depending on ship's track)

9. Brief description of purpose of cruise

This survey is a valorization of transit between Galway (Ireland) and Reykjavik (Iceland) during which only the shipboard EM304 multibeam system will be used to map the deep North Atlantic Seafloor for mainly educational purposes (Ba or Ma dissertation, practical material for courses in Marine Geology or Integrated Offshore Exploration at Ghent University).

10. Port of Call. Dates. Reasons

Galway	21/06/2023 am	Departure. Start of transit to Reykjavik (IS)
Reykjavik	24/06 p.m.	Arrival.
Reykjavik	24/06 p.m. - 26/06 a.m. :	Disembarkation of scientists. Relaxation of crew and embarkation of scientists

11. Any special logistic requirements at ports of call (other than water, fuel provi fuel provisions, etc.)

N.A.

NOTIFICATION OF PROPOSED RESEARCH CRUISE**PART B: DETAIL**

1. Name of research ship **RV BELGICA** Cruise N° **2023/Transit_IE-IS**

2. Dates of cruise From **21/06/2023** To **24/06/2023**

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 survey is a valorization of transit between Galway (Ireland) and Reykjavik (Iceland) during which only the shipboard EM304 multibeam system will be used to map the deep North Atlantic Seafloor for mainly educational purposes (Ba or Ma dissertation, practical material for courses in Marine Geology or Integrated Offshore Exploration at Ghent University). This will document deep-water sedimentary processes, tectonic structures, etc... The survey track is only subject of the followed route between Galway and Reykjavik, of which no deviations will be made for scientific purposes.

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)

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

Not of application

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

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

No relevant previous cruises. We will not exclude future cruises along the same transect (to study temporal variability) or an adjacent transect (to extend the mapping).

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

No previous publications were made related to this (educational) valorization of transit.

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.

None, this transit survey is purely for educational purposes

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 : **Ireland***(Indicate "YES" or "NO")*

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	WITHIN 12 NMS	BETWEEN 12-200 NMS	CONTINENTAL SHELF WORK ONLY BEYOND 200 NM BUT WITHIN THE CONTINENTAL MARGIN
Multibeam bathymetry	No	No	No	No	Yes	Yes

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

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	WITHIN 12 NMS	BETWEEN 12-200 NMS	CONTINENTAL SHELF WORK ONLY BEYOND 200 NM BUT WITHIN THE CONTINENTAL MARGIN
Multibeam bathymetry	No	No	No	No	Yes	Yes