

Application for Consent to conduct

Marine Scientific Research

Date: 17/12/2019

1. General Information

1.1 Cruise name and/or number:
PROTEVS GIB 2020

1.2 Sponsoring Institution(s):	
Name:	Service hydrographique et océanographique de la marine (Shom)
Address:	13 Rue du Chatellier CS 92803, 29228 BREST Cedex 2 – France
Name of Director:	Laurent Kerleguer

1.3 Scientist in charge of the Project:	
Name:	Denis Créach
Country:	France
Affiliation:	Groupe Hydrographique et Océanographique de l'Atlantique
Address:	CC 61, 29240 BREST Cedex 9 – France
Telephone:	(+33) 2 98 14 05 30
Fax:	(+33) 2 98 14 05 46
Email:	gho-d@shom.fr
Website (for CV and photo):	

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	
Affiliation:	
Address:	
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	

2. Description of Project

2.1 Nature and objectives of the project:
<p>The main objective of PROTEVS GIB 2020 cruise is to acquire knowledge of the marine environment in the Gibraltar straight. The scientific cruise will focus on physical oceanography. In addition, the transit routes will be an opportunity to enhance the bathymetric, oceanographic and geophysical knowledge of the area. All these work will enable to update international marine charts and to improve navigation safety in waters under the jurisdiction of United-Kingdom.</p>

2.2 If designated as part of a larger scale project, then provide the name of the project and the Organisation responsible for coordinating the project:

2.3 Relevant previous or future research projects:

2.4 Previous publications relating to the project:

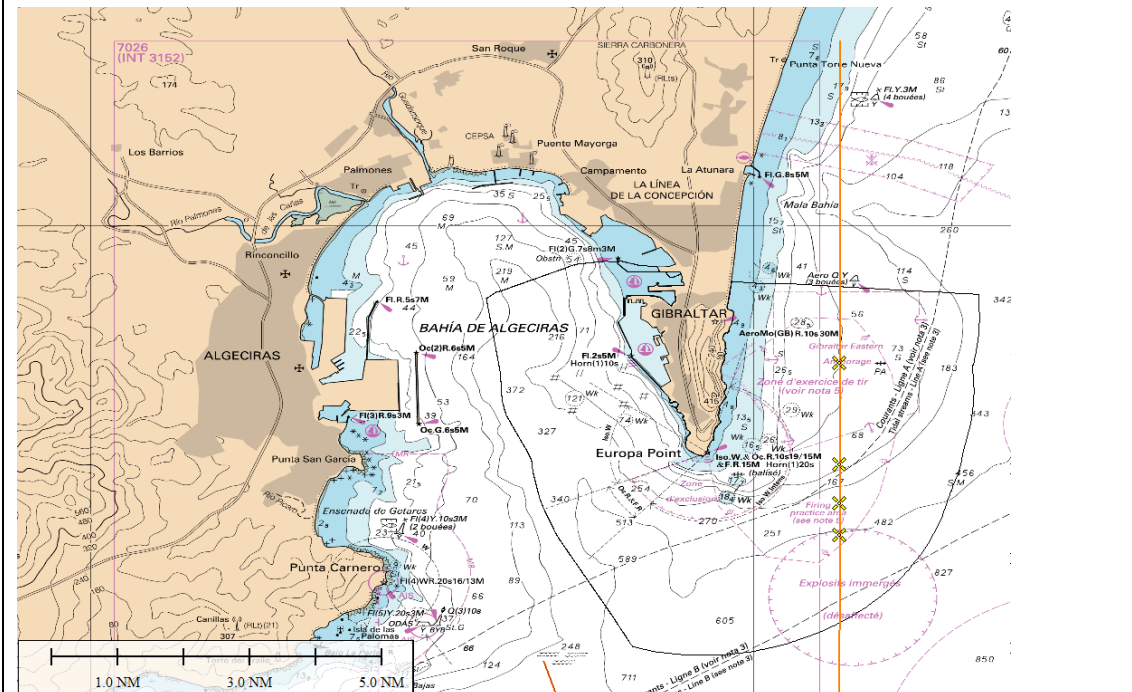
3. Geographical Areas

3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in decimal degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a separate excel spreadsheet.

Coordinates of the area in which hydrological measurements may be conducted are listed in the attached file.

3.2 Attach chart(s) at an appropriate scale (1 page, high-resolution) showing the geographical Areas of the intended work and, as far as practicable, the location and depth of sampling Stations, the tracks of survey lines, and the locations of installations and equipment.

A radial using Moving Vessel Profiler radial, single beam echo sounder (EK60), VM-ADCP, water sampling station is planned inside waters under the jurisdiction of United-Kingdom (see orange line in the map below).



4. Methods and means to be used

4.1 Particulars of vessel:

Name: L'Atalante

Type/Class:	Research Vessel
Nationality (Flag State):	French
Identification Number (IMO/Lloyds No.):	9716071
Owner:	Ifremer
Operator:	Genavir
Overall length (meters):	84.60 m
Maximum draught:	5.1 m
Displacement/Gross Tonnage:	3 550 t
Propulsion:	Diesel electric
Cruising & maximum speed:	11 knots
Call sign:	FNCM
INMARSAT number and method and capability of communication (including emergency frequencies):	<p>GSM: 33.6.82.81.38.16 (bridge) - 06.82.81.37.89 (captain) - Fax : 33.6.29.36.97.41 Inmarsat: Tel : 00.870.773.160.305 or 00.870.3.227.222.52 (std. auto) Fax : 00.870.783.180.644 (bridge) or 00.870.3.227.222.60 Vsat: Tel : 33.2.29.00.85.70 Fax : 33.2.29.00.85.71 Telex: Inmarsat C1 : 058x.4.227.222.14 - Inmarsat C2 : 058x.3.227.222.15 (Atlantic East : 0581 ; Atlantic West : 0584 ; Pacific : 0582 ; Indian ocean : 0583) Email: AT.Commandant@atalante.ifremer.fr Email Telex C1: AtalanteC1@skyfile-c.com Email Telex C2: AtalanteC2@skyfile-c.com</p>
Name of Master:	
Number of Crew:	30
Number of Scientists on board:	30 maximum (hydrographers, scientists and engineers)

4.2 Particulars of Aircraft:	
Name:	/
Make/Model:	/
Nationality (flag State):	/
Website for diagram & Specifications:	/
Owner:	/
Operator:	/
Overall Length (meters):	/
Propulsion:	/
Cruising & Maximum speed:	/
Registration No.:	/
Call Sign:	/
Method and capability of communication (including emergency frequencies):	/

Name of Pilot:	/
Number of crew:	/
Number of scientists on board:	/
Details of sensor packages:	/
Other relevant information:	/

4.3 Particulars of Autonomous Underwater Vehicle (AUV):	
Name:	/
Manufacturer and make/model:	/
Nationality (Flag State):	/
Website for diagram & Specifications:	/
Owner:	/
Operator:	/
Overall length (meters):	/
Displacement/Gross tonnage:	/
Cruising & Maximum speed:	/
Range/Endurance:	/
Method and capability of communication (including emergency frequencies):	/
Details of sensor packages:	/
Other relevant information:	/

4.4 other craft in the project, including its use:	
/	

4.5 Particulars of methods and full description of scientific instruments to be used(for fishing gear specify type and dimension)		
Types of samples and Measurements:	Methods to be used:	Instruments to be used:
<i>Bathymetry</i>	<i>Along shiptrack</i>	<i>Multibeam echo sounders: Kongsberg EM710 / EM122</i> <i>Singlebeam echo sounders</i>
<i>Geophysical measurements</i>	<i>Along shiptrack</i>	<i>Sea gravimeter (Bodenseewerk KSS31)</i>
<i>Sedimentology</i>	<i>Along shiptrack</i>	<i>Subbottom profiler</i>
<i>Current measurements</i>	<i>Along shiptrack</i>	<i>ADCP (Acoustic Doppler Current Profiler) RDI 38kHz, 150 kHz</i> <i>WOCE Surface Drifter</i> <i>Vertical current measurements (Fumseck)</i>
<i>Hydrology</i>	<i>Along shiptrack</i>	<i>Expandable bathythermographs (XBT, XCTD)</i> <i>Sound Velocity Profiler</i> <i>Hull mounted Celerimeter</i> <i>Thermosalinometer</i> <i>Towfish CTD and optical sensors (Seasor)</i>

		<i>ARVOR Drifter (ARGO) Water samples analysis using cytometer</i>
	Station	<i>Bouteille de prélèvements / Sampling bottles CTD sensors Chlorophyll A sensors CDOM fluorimeter Turbidimeter Microstructures measurements Rckland 500 and Rockland 6000</i>

4.6 Indicate nature and quantity of substances to be released into the marine environment:

N/A

4.7 Indicate whether drilling will be carried out. If yes, please specify:

N/A

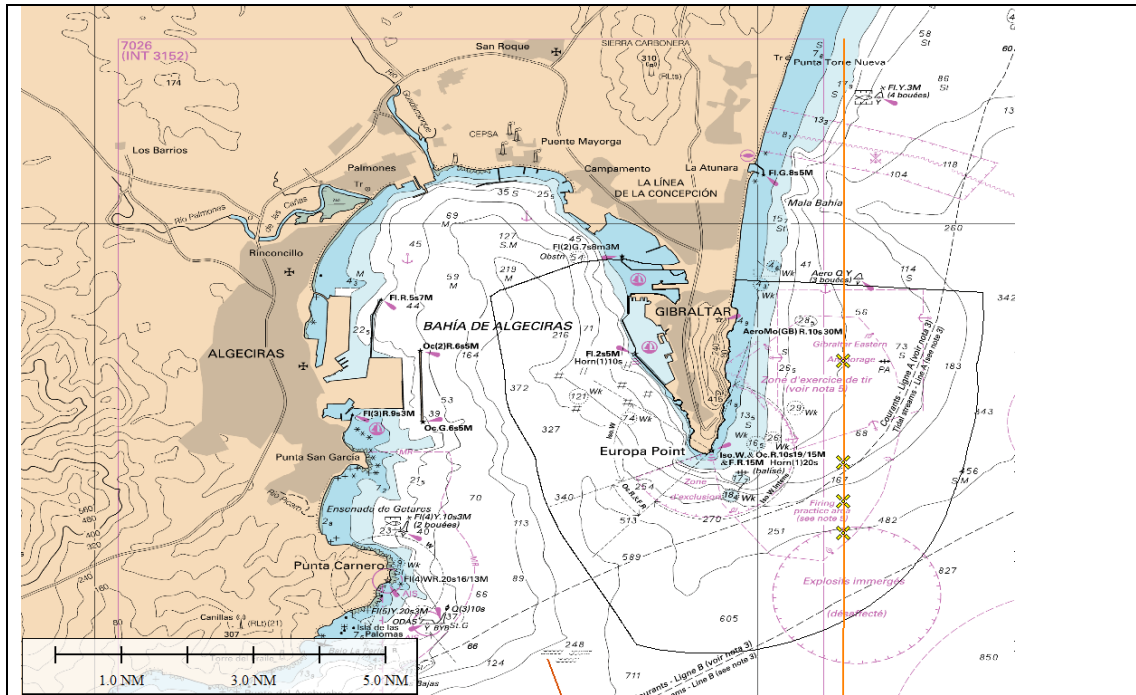
4.8 Indicate whether explosives will be used. If yes, please specify type and trade name, Chemical content, depth of trade class and stowage, size, depth of detonation, frequency of Detonation, and position in latitude and longitude:

N/A

5. Installations and Equipment

Details of installations and equipment (including dates of laying, servicing, method and Anticipated timeframe for recover, as far as possible exact locations and depth, and Measurements):

A radial is planned inside waters under the jurisdiction of United-Kingdom (see orange line in the map below). Exact date and localisation is not yet determined.



6. Dates

6.1 Expected dates of first entry into and final departure from the research area by the research vessel and/or other platforms:

Exact planification is not yet determined as it will evolve according to real time observations. No port call is scheduled in the concerned country.

The cruise will take place within the period between September 25th and November 30th

6.2 Indicate if multiple entries are expected:

Yes

7. Port Calls

7.1 Dates and Names of intended ports of call:

N/A

7.2 Any special logistical requirements at ports of call:

N/A

7.3 Name/Address/Telephone of shipping agent (if available):

N/A

8. Participation of the representative of the coastal State

8.1 Modalities of the participation of the representative of the coastal State in the research Project:

8.2 Proposed dates and ports for embarkation/disembarkation:

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to coastal State of preliminary report, which should include The expected dates of submission of the data and research results:

On demand of authorities, a cruise report will be sent to authorities no later than 6 months after the end of the cruise.

9.2 Anticipated dates of submission to the coastal State of the final report:

On demand of authorities, a final report will be sent to authorities.

9.3 Proposed means for access by coastal State to data (including format) and samples:

DVD

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:

Cruise report

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples And research results:

9.6 Proposed means of making results internationally available:

Scientific results will be the subjects of oral communications in international geophysical colloquium and the subjects of papers in peer review journals.

10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:

Signature:



Contact information of the focal point:

Name: Pierre-Antoine Dumont

Country: France

Affiliation: Shom

Address: 13 Rue du Chatellier, 29200 Brest France

Telephone: 0298140551

Email: pierre-antoine.dumont@shom.fr