Flotte océanographique française

Objet : **Demande de recherche scientifique marine MOCOSED du N/O *Pourquoi pas ?* dans les eaux du Royaume Uni**

N/Réf :JXC n° **UMS 2014-09**

Ministère des Affaires Etrangères
Monsieur Simon Fournier
Ministère des Affaires étrangères
Pôle des échanges scientifiques et de la recherche pour le développement
DGM/DCUR/RECH
27, rue de la Convention – CS 91533
75732 Paris Cedex 15

Brest, le 14 janvier 2014

Monsieur,

Je vous prie de bien vouloir trouver ci-joint, une demande d'autorisation de recherches scientifiques marines modifiée dans les eaux de la juridiction du pays ci-dessus indiqué, pour transmission par voie diplomatique au Gouvernement de ce pays.

Je vous laisse juge, en liaison avec vos Services dans ce pays, de supprimer de cette demande les informations que vous estimeriez inopportun de transmettre.

Je reste à votre disposition pour toute information complémentaire que vous souhaiteriez ou que le Gouvernement concerné demanderait.

Jean-Xavier Castrec

UMS Flotte océanographique française

Technopole de Brest-Iroise
BP 70
29280 Plouzané
France

Téléphone 33(0)2 98 22 45 77
Télécopie 33(0)2 98 22 45 55
www.flotteoceanographique.fr

Application for Consent to conduct
Marine Scientific Research

Date: ___09/01/2014_____

1. General Information

1.1 Cruise name and/or number: MOCOSED 2014

1.2 Sponsoring Institution(s):	
Name:	IFREMER
Address:	Technopôle Brest Iroise - BP 7029280 Plouzané
Name of Director:	François Jacq

1.3 Scientist in charge of the Project:	
Name:	Dr Jean-Claude Le Gac
Country:	France
Affiliation:	Service Hydrographique et Océanographique de la Marine (SHOM)
Address:	Groupe Océanographique de l'Atlantique – CC 61 29240 BREST CEDEX 9 – France
Telephone:	(+33) 2 98 14 05 44
Fax:	(+33) 2 98 14 05 46
Email:	jean-claude.le.gac@shom.fr
Website (for CV and photo):	N/A

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:
R/V PourquoiPas? will be transiting in water under the jurisdiction of The United Kingdom during two periods (scheduled for the moment 8 July - 8 September 2014 and 11 August – 11 October 2014) . Measurements while the vessel is transiting aim to enhance the hydrographic and oceanographic knowledge of the transit areas. These works will also enable to update international marine charts, to improve the safety of navigation and to collect oceanographic data.

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:
N/A

2.3 Relevant previous or future research projects:
N/A

2.4 Previous publications relating to the project:
N/A

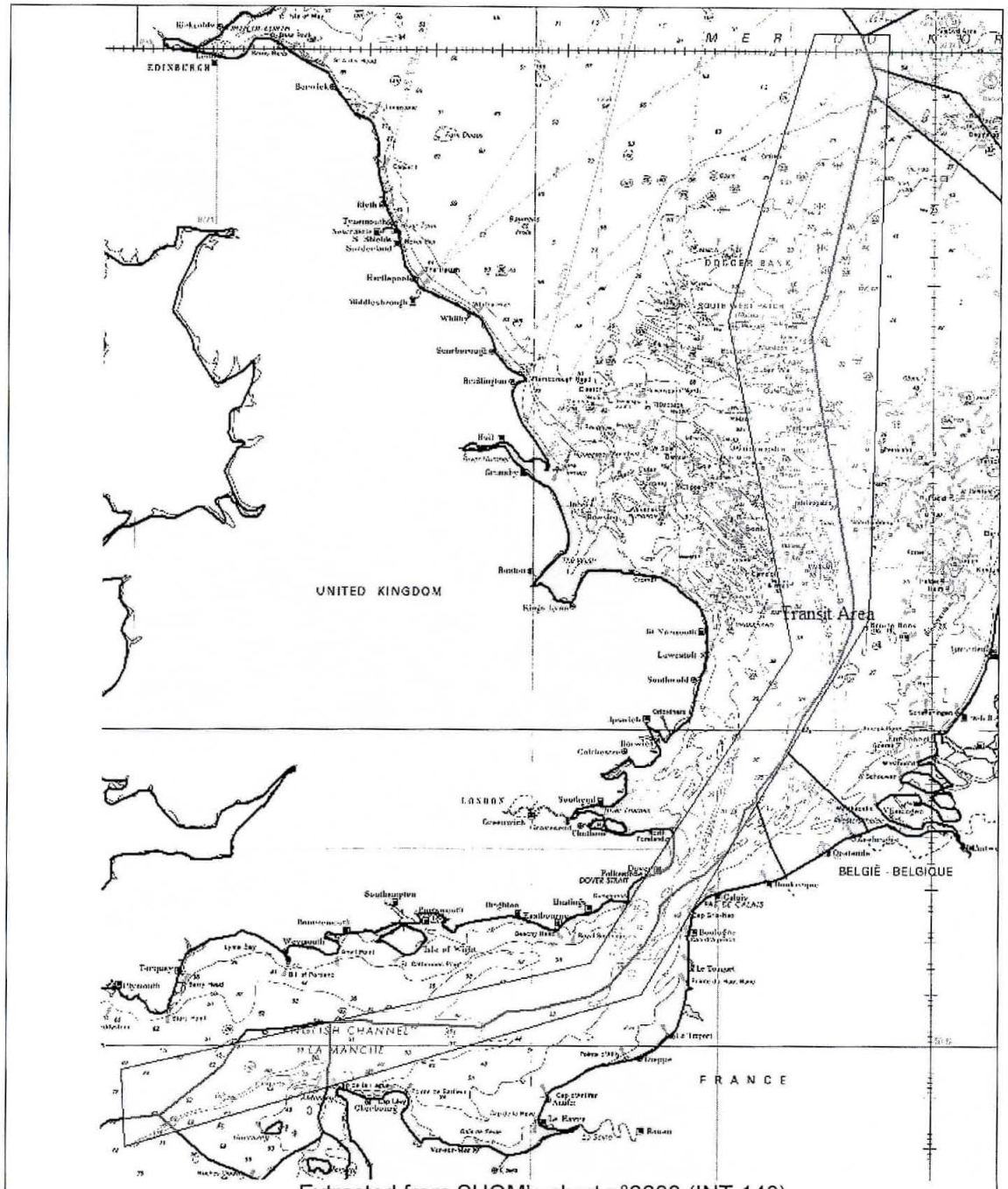
3. Geographical Areas

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.

All data will be collected while the vessel will be transiting, at cruise speed (11.5kt). No towed devices will be used. No station will be done. Area is précised below. Due to uncertainties on the vessel program, the areas have been extended and a longer period is demanded (extended periods is 2 months for outward transit and 2 months for return).

Latitude	Longitude
49.3444°N	4.0804°W
50.3351°N	1.1035°E
52.6816°N	3.3603°E
56.1015°N	3.5342°E
56.1015°N	2.7775°E
54.4602°N	1.9363°E
52.4916°N	2.5854°E
50.5361°N	0.5837°E
49.8463°N	4.1160°W

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.



Extracted from SHOM's chart n°6608 (INT 140)

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	POURQUOI PAS?
Type/Class:	Research vessel
Nationality (Flag State):	FRANCE
Identification Number (IMO/Lloyds No.):	9285548
Owner:	IFREMER
Operator:	Genavir
Overall length (meters):	107,6 m
Maximum draught:	6.925 m
Displacement/Gross Tonnage:	7854 tons

Propulsion:	Diesel Generators connected to electric engine
Cruising & maximum speed:	11.5 kt - **Maximum speed:**14.5 kt
Call sign:	FMCY
INMARSAT number and method and capability of communication (including emergency frequencies):	VHF/UHF – HF BLU – INMARSAT B – VSAT GSM *: Tel : 33 (0)6.85.76.63.78 (timonerie/bridge) - 33 (0)6.82.84.11.60 (commandant/captain) Fax : 33 (0)6.19.49.78.34* Inmarsat *: Tel : 00.870.7.643.367.38 (timonerie/bridge) 00.870.7.643.367.48 (stand. auto.) Fax : 00.870.7.643.367.50* Vsat *: Tel : 33 (0)2.98.22.41.15 (timonerie/bridge) - Fax : 33 (0)2.98.22.41.80* - Telex Inmarsat C : *058x-4-228-207-61 ou 058x-228-207-62 (Codes: Atlantique Est : 0581 - Atlantique Ouest : 0584 - Pacifique : 0582 - Océan Indien : 0581)*
Name of Master:	TBD
Number of Crew:	18-33
Number of Scientists on board:	40 (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:
Bathymetry	Along shiptrack	Multibeam echo sounders: Seabat7150 & Seabat 7111 Singlebeam echo sounders
Geophysical measurements	Along shiptrack Towed	Sea gravimeter (Bodenseewerk KSS32M) Magnetometer
Sedimentology	Along shiptrack	Sediment penetrator
Current measurements	Along shiptrack	ADCP (Acoustic Doppler Current Profiler) 38kHZ, 150 kHz
Hydrology	Along shiptrack	Expandable bathythermographs (XBT, XCTD) Sound Velocity Profiler Hull mounted Celerimeter Thermosalinometer
Weather measurements	Along shiptrack	On-board weather station

4.6 Indicate nature and quantity of substances to be released into the marine environment:
No harmful substances are to be used.

4.7 Indicate whether drilling will be carried out. If yes, please specify:
No

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:
No

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):
N/A

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:
08 July 2014 – 11 Oct 2014
6.2 Indicate if multiple entries are expected:

Multiple entries are expected:	first entry (outward): from 08 July 2014 to 08 Sept 2014 Second entry (return): from 11 Aug 2014 to 11 Oct 2014

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:
N/A

8.2 Proposed dates and ports for embarkation/disembarkation:
N/A

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 and processed hydro-oceanographic data will be sent to the United Kingdom 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:
N/A

9.3 Proposed means for access by coastal State to data (including format) and samples:
The data will be sent in .ascii (data) and .tiff (images, graphs).

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:
The cruise report describes the methods applied to collect data.

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples And research results:
The cruise report gives necessary information to evaluate the quality of digital data.

9.6 Proposed means of making results internationally available:
N/A

10. Other permits Submitted

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

11. List of Supporting Documentation

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

Signature:

Contact information of the focal point:
Name: Dr. Jean-Claude Le Gac
Country: FRANCE
Affiliation: SHOM
Address: Groupe Océanographique de l'Atlantique – CC 61
29240 BREST CEDEX 9 – France
Telephone: (+33) 2 98 14 05 44
Fax: (+33) 2 98 14 05 46
Email: jean-claude.le.gac@shom.fr