ANNEX A

Application for Consent to conduct Marine Scientific Research

Date: ____10/2/2016_____

1. General Information

1.1 Cruise name and/or number:

Catch comparison trial of square mesh codends in quad-rig Nephrops fishery in ICES VIIg - the Smalls ground

1.2 Sponsoring Institution(s):	
Name:	Bord Iascaigh Mhara
Address:	BIM, Crofton Road, Dun Laoghaire, Ireland.
Name of Director:	Tara McCarthy (CEO)

1.3 Scientist in charge of the Project:	
Name:	Daragh Browne
Country:	Ireland
Affiliation:	Bord Iascaigh Mhara employee
	(fishing gear technologist)
Address:	BIM Office, New Dock, Galway, Ireland.
Telephone:	+353 87 662 4908
Fax:	+353 91 568 569
Email:	browned@bim.ie
Website (for CV and photo):	www.bim.ie

1.4 Entity(ies)/Participant(s) from coastal State	e 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:

Catch comparison trial using quad-rig Nephrops trawls (4x multi-rig trawls) to compare the catch from:

3x experimental knotted PE square mesh codends with mesh sizes of between 40 and 80mm

1x control or standard (diamond mesh) 70mm codend.

As a backup to the above gears, should one or more fail, we will be carrying 2x SELTRA sorting boxes. The SELTRA sorting box is a 4-panel codend section (3.5m approx.) constructed with 70mm mesh and incorporating: a 1.5m long 300mm square mesh panel or a 1.5m long 270mm diamond mesh panel.

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:

Part of BIM's ongoing work to provide gear options to the fishing industry to comply with the Landing Obligation

2.3 Relevant previous or future research projects:

BIM carried out trials using knotless nylon square mesh codends on the Aran Nephrops Ground (FU17) but the nylon material used was not up to the job and the results were inconclusive.

2.4 Previous publications relating to the project:

Results of trial described in 2.3 above were not published.

Details of all BIM's recent gear trials can be downloaded from:

http://bim.ie/our-publications/fisheries/

3. Geographical Areas

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

Smalls Nephrops ground. Approximate coordinates:

52°N 7°W

52°N 5.75W

50.75°N 5.75W

50.75°N, 7°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.

Chart showing approximate area of trial attached at end of document.

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	Stella Nova (DA57)
Type/Class:	Licenced fishing vessel
Nationality (Flag State):	Ireland
Identification Number (IMO/Lloyds No.):	IMO: 9069918
Owner:	Supreme Fishing Co. Ltd.
Operator:	Niall Connolly
Overall length (meters):	23.5
Maximum draft:	5m
Displacement/Gross Tonnage:	190GT
Propulsion:	441kW
Cruising & maximum speed:	2-3.5kts towing, 10kts max. speed.
Call sign:	E18772
INMARSAT number and method and capability of communication (including emergency frequencies):	

Name of Master:	Niall Connolly
Number of Crew:	6 crew
Number of Scientists on board:	2 scientists

4.2 Particulars of Aircraft:	
Name:	N/A
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:	N/A
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:

N/A

4.5 Particulars of methods, full description of scientific instruments to be used (for fishing gear specify type and dimension and for geophysical survey the type of equipment, source levels, frequency and duty cycle to be used) and location:

Types of samples and measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Codend catch – fish and shellfish length measurements	Catch comparison trial	Measuring boards to nearest 1cm below , digital Vernier callipers to nearest mm below	No

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

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

5.1 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:

15/2/2015 first entry

26/5/2015 final departure

(5 full days fishing to be carried out. Planned start date 18/2/2016, end date 22/2/2016)

If possible it would be preferable to build in some time for unforeseen circumstances.

6.2 Indicate if multiple entries are expected:

It is possible depending where the Nephrops fishing is best on the Smalls ground area.

7. Port calls

7.1 Dates and Names of intended ports of call:

None.

7.2 Any special logistical requirements at ports of call:

None.

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

None.

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:

BIM Is the Irish state agency with responsibility for fisheries development which includes gear technology research.

8.2 Proposed dates and ports for embarkation/disembarkation:

Embarkation: Dunmore East, Ireland, 17/2/2016

Disembarkation: Dunmore East, Ireland, 23/2/2016

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:

Data and research results will be recorded by BIM staff (the competent state agency) from the time they are initially recorded (beginning 18/2/2016) and thereafter.

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

Date of submission of the final report: 31/3/2016

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

Report will be presented to the (Irish) Discard Implementation Group which includes officials from the Department of Agriculture, Food and the Marine and representatives of the fishing Industry.

The final report will then be made available on BIM's website http://bim.ie/our-

publications/fisheries/ .

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

A concise research report detailing methodology, materials, analysis of results and discussion.

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

BIM staff are available to discuss results with any interested party

9.6 Proposed means of making results internationally available:

BIM website http://bim.ie/our-publications/fisheries/

10. Other permits submitted

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

Irish Sea Fisheries Protection Authority derogation.

11. List of supporting documentation

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

Trial description

Vessel details

Trial area

Date of trial

Target species

Scientific staff details

Signature: Jurgh Brone

Contact information of the focal point:

Name: Daragh Browne

Country: Ireland

Affiliation: Bord lascaigh Mhara (BIM) employee

Address: BIM Office, New Docks, Galway, Ireland. H91 HD92.

Telephone: +353 87 662 4908

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Approximate area of BIM fishing gear trial – the Smalls Nephrops ground and surrounding area