Application for Consent to conduct
Marine Scientific Research

Date: _25/05/2015_____

1. General Information

1.1 Cruise name and/or number:
Simulation trial to explore the impacts of the Landings Obligation

1.2 Sponsoring Institution(s):	
Name:	Bord Iascaigh Mhara (BIM)
Address:	Crofton Road, Dun Laoghaire, Co. Dublin, Ireland
Name of Director:	Michael Keatinge

1.3 Scientist in charge of the Project:	
Name:	Dr Ronan Cosgrove
Country:	Ireland
Affiliation:	BIM
Address:	BIM Regional Office, New Docks, Galway, Ireland
Telephone:	00353 87 683 7636
Fax:	00353 91 568 569
Email:	cosgrove@bim.ie
Website (for CV and photo):	www.bim.ie

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	As 1.3 above
Affiliation:	
Address:	
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	

2. Description of Project

2.1 Nature and objectives of the project:
The landing obligation will introduce a number of challenges to commercial fishing fleets particularly in the demersal mixed fisheries fleet segment. The impacts of the landing obligation are difficult to predict, but are likely to be metier and business specific. Key challenges will include requirements to land non-marketable undersize or over quota fish, cessation of fishing activity once the quota for the first individual TAC species is exhausted and costs associated with handling and disposal of non-marketable fish. In order to assess potential impacts, BIM intend carrying out trials to simulate the full introduction of the Landings Obligation. Vessels will be required to retain and land the species specified in Article 15.1.C(ii) of EU regulation 1380/2013, namely cod, haddock, whiting, saithe, Norway lobster, hake, common sole and plaice. An additional scientific quota will be used to cover any landings over quota and such landings will be sold with the profits recouped towards the cost of running the project. The project will be split into two phases: **Phase 1 (All monthly fishing operations commencing in October 2014)** where the vessel will be expected to operate as per normal Landings Obligation conditions and **Phase 2 (All monthly fishing operations commencing in November 2014)** where the individual skippers will be presented with the results of the first phase and asked to choose from a range of existing mitigation tools and/or adjust their fishing behaviour and tactics and challenged to reduce the levels of unwanted catch as much as practically possible. Two vessels will participate in the study, one whitefish trawler and one *Nephrops* trawler. These vessels normally carry

out some operations in UK waters in the Smalls grounds in the Eastern Celtic Sea and in the Eastern Irish Sea and it is intended that the vessels would also fish in the same areas as part of these trials to simulate normal fishing operations. Permission is therefore being sought to derogate from the normal fish catch composition and the normal fishing gear requirements in the specified area. Further details provided in 4.5.

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:
Not applicable

2.3 Relevant previous or future research projects:
This work represents a follow up to a study which was conducted in 2014. A link to the report on this work is available at: http://www.bim.ie/media/bim/content/publications/At%20Sea%20Simulation%20of%20the%20Landing%20Obligation%20Report%20to%20the%20Discard%20Implementation%20Group%20February%202015.pdf

2.4 Previous publications relating to the project:
Numerous: see www.bim.ie for publications.

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.

Boundary

	Lat	Long
Co-ordinate 1	52˚00N	007˚00W
Co-ordinate 2	52˚00N	005˚30W
Co-ordinate 3	50˚30N	007˚00W
Co-ordiate 4	50˚30N	005˚30W

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.

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	To be arranged (TBA)
Type/Class:	TBA
Nationality (Flag State):	Ireland
Identification Number (IMO/Lloyds No.):	TBA
Owner:	TBA
Operator:	TBA
Overall length (meters):	TBA
Maximum draft:	TBA
Displacement/Gross Tonnage:	TBA
Propulsion:	TBA
Cruising & maximum speed:	TBA
Call sign:	TBA

INMARSAT number and method and capability of communication (including emergency frequencies):	TBA
Name of Master:	TBA
Number of Crew:	TBA
Number of Scientists on board:	TBA

4.2 Particulars of Aircraft: Not applicable	
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): Not applicable	
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:
Not applicable

4.5 Particulars of methods, full description of scientific instruments to be used (for fishing gear specify type and dimension) and location			
Types of samples and Measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Fish weights and lengths	Single rigged demersal trawl or Scottish seine net	Derogation from normal catch composition rules	No.

4.6 Indicate nature and quantity of substances to be released into the marine environment:
None

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):
None

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:
Between 1st July and 30th September 2015
6.2 Indicate if multiple entries are expected:
Yes. Operating on the Smalls fishing ground and following conventional trawling tows.

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 as a State Agency reporting to the Department of Agriculture, Fisheries and the Marine will oversee this fishing gear trial.

8.2 Proposed dates and ports for embarkation/disembarkation:
Embark Dunmore East: 1/07/15 (estimated) Disembark Dunmore East: 30/10/2015 (estimated)

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:
January 30th 2016

9.2 Anticipated dates of submission to the coastal State of the final report:
February 30th 2016

9.3 Proposed means for access by coastal State to data (including format) and samples:
Data available by request to BIM. No samples will be collected.

9.4 Proposed means to provide coastal State with assessment of data, samples and research results:
No samples will be collected research results will be made available through BIM

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

9.6 Proposed means of making results internationally available:
Through BIM on request

10. Other permits submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or pending):
None

11. List of supporting documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:
Spreadsheet of coordinates of fishing area Charts outlining fishing area.

Signature:

Contact information of the focal point:
Name: Dr Ronan Cosgrove
Country: Ireland
Affiliation: BIM
Address: BIM, New Dock Road, Galway, Ireland
Telephone: 00353876837636
Email: cosgrove@bim.ie