

Application for Consent to conduct
Marine Scientific Research

Date: ____12/1/18____

1. General Information

1.1 Cruise name and/or number: CV18014 Bluefish 3

1.2 Sponsoring Institution(s):	
Name:	Marine Institute
Address:	Rinville, Oranmore, Co. Galway
Name of Director:	Dr Peter Heffernan

1.3 Scientist in charge of the Project:	
Name:	TBD
Country:	Ireland
Affiliation:	Marine Institute
Address:	Rinville, Oranmore, Co. Galway
Telephone:	00 353 91 387200
Fax:	00 353 91 387201
Email:	Helen.mccormick@marine.ie
Website (for CV and photo):	www.marine.ie

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	Dr Paul Connolly
Affiliation:	Marine Institute
Address:	Rinville, Oranmore, Co. Galway
Telephone:	00 353 91 387200
Fax:	00 353 91 387201
Email:	Paul.connolly@marine.ie
Website (for CV and photo):	www.marine.ie

2. Description of Project

2.1 Nature and objectives of the project:
<p>Multi disciplinary project</p> <p>Looking at increasing capacity and knowledge of climate change adaptation for the Irish Sea and coastal communities</p> <p>Bluefish will develop knowledge and understanding of the environment of the Irish and Celtic Sea by working on some of the knowledge gaps on the effects and vulnerability of selected commercial fish and shellfish to predicted climate change.</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:
--

An Ireland Wales Territorial Co-operation Operation for the Irish and Celtic Seas focusing cross border collaboration, climate change and community engagement
 Joint Beneficiaries: Bangor University, Aberystwyth University, Swansea University, University College Cork, Bord Iascaigh Mhara and the Marine Institute.

2.3 Relevant previous or future research projects:

BLUEFISH will endeavour to
 The assembled consortium of partners possess complementary skills, experience and facilities with regard to the study of fisheries, aquaculture and ecosystem services. This offers added value in this cross-border approach that could not be achieved on only one side of the border. The fisheries resources, opportunities for aquaculture, benefits of ecosystem services, and opportunities for blue growth (and so buy-in to the project) are the same for user communities in both Ireland and Wales. The lessons learnt from a previous Ireland-Wales Interreg project, SUSFISH, will be implemented in the Bluefish operation; in particular, public engagement with an emphasis on environment and climate change will be central to the operation and all six partners have proven track records in this arena.

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.

The corners of the geographical area are 53°.22'N 6°.0W, 53°.22'N 4°.33'W, 51°.46' N, 8°.2' W and 50.7°N 5°.4'W. Map and coordinates in separate documents

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.

The survey will cover the attached area The specific survey design and any survey tracks have not been decided as yet.

4. Methods and means to be used

4.1 Particulars of vessel:

Name:	R.V. Celtic Voyager
Type/Class:	100 A1 Research Vessel, LMC
Nationality (Flag State):	Irish
Identification Number (IMO/Lloyds No.):	
Owner:	Marine Institute
Operator:	P&O Maritime Services
Overall length (meters):	31.4
Maximum draught:	4m
Displacement/Gross Tonnage:	340
Propulsion:	Wärtsilä UD25M5 (626 kW),
Cruising & maximum speed:	<= 10 knots
Call sign:	EIQN
INMARSAT number and method and capability of communication (including emergency frequencies):	GMDSS A class, E-mail. Mini M SAT C and GSM 00 353 91 423396 / 00870 763066755

	00870-764687325 / 764687326
Name of Master:	Philip Baugh/Colin McBrearty
Number of Crew:	7
Number of Scientists on board:	8 max

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:

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):
Biological samples-eggs and larvae Seabass and Mussels	MULTINET plankton sampler	CTD	Yes
Oceanographic data	CTD rosette deployment	CTD	Yes

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:

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:

17/5/18 to the 26/5/18

6.2 Indicate if multiple entries are expected:

Yes as we travel along the predetermined grid

7. Port Calls

7.1 Dates and Names of intended ports of call:

None

7.2 Any special logistical requirements at ports of call:

No

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:

To be confirmed

8.2 Proposed dates and ports for embarkation/disembarkation:

Rosslare Ireland 17/5/18 and 26/5/2017

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: The cruise report will be available 3 months after the survey.

9.2 Anticipated dates of submission to the coastal State of the final report:
31/12/2018

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

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

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

9.6 Proposed means of making results internationally available:
Final Bluefish Report

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.:
None

Signature:

Contact information of the focal point:
Name: Helen McCormick
Country: Ireland
Affiliation: Marine Institute
Address: Rinvilla, Oranmore, Co. Galway
Telephone: 00 353 91 387200
Fax: 00 353 91 387201
Email: Helen.mccormick@marine.ie