Application for Consent to conduct
Marine Scientific Research

Date: 26/01/2016

1. General Information

1.1 Cruise name and/or number: CV16019 Sea Bass Multidisciplinary Survey

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:	Helen McCormick
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:
Multi disciplinary project on Sea bass and other fish looking at the distributions of eggs and larvae. Determination of the location and extent of spawning grounds using plankton nets for identifying sea bass eggs and larvae will be carried in the survey area

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:
Further studies and a continuation of data collection from last years trawl survey

2.3 Relevant previous or future research projects:
Peer reviewed papers

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 52.25^{o}N 6.2^{o}W, 52.25^{o}N 5^{o}.5W, 51^{o}N 6.5^{o}W, and 51.15 ^{o}N 4^{o}7W . 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 on the determined stations. Egg and larval stations are identified. Smaller scale survey using the Multinet will be within this grid and is dependent on the location of seabass eggs

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	GULF 4 plankton net	CTD	Yes
Biological samples-eggs and larvae	MULTINETplankton sampler	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:
24/04/2016 – 01/05/2016
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:
Dr Mike Armstrong Pakefield Road Lowestoft Suffolk NR33 0HT Tel: +44 (0) 1502 562244 Fax +44 (0) 1502 513865

8.2 Proposed dates and ports for embarkation/disembarkation:
Cork Ireland 24/04/2016 & 01/05/2016

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:
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:
31/12/2016

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 PhD 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: Rinville, Oranmore, Co. Galway
Telephone: 00 353 91 387200
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Email: Helen.mccormick@marine.ie