Application for Consent to conduct
Marine Scientific Research

Date: 6th May 2015

1. General Information

1.1 Cruise name and/or number: Irish Groundfish Survey 2015 Leg 1 and Leg 2 – CE15016 & CE15017

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

1.3 Scientist in charge of the Project:	
Name:	David Stokes
Country:	Fisheries Ecosystems Advisory Services
Affiliation:	
Address:	The Marine Institute, Rinville, Oranmore Co. Galway, Ireland
Telephone:	00-353-(0)91-387200
Fax:	00-353-(0)91- 387201
Email:	
Website (for CV and photo):	

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	Dr. Jim Eilis/ Brian Harley
Affiliation:	CEFAS The Centre for Environment, Fisheries and Aquaculture Science,
Address:	Lowestoft Laboratory, Parkfield Road, Lowestoft, Suffolk DR33 OHT, UK
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	
Name:	Finlay Burns
Affiliation:	Marine Scotland Science Marine Laboratory
Address:	375 Victoria Road, P.O. Box 101, AB11 9DB Aberdeen, United Kingdom
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	

2. Description of Project

2.1 Nature and objectives of the project:

The primary objective is to use trawl sampling to provide an annual relative index of abundance and recruitment for commercially exploited fish stocks

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:
The Irish Groundfish Survey (IGFS) is carried out in the 4th quarter annually as part of an internationally coordinated demersal trawl survey effort under the ICES working group for International Bottom Trawl Surveys (IBTS).

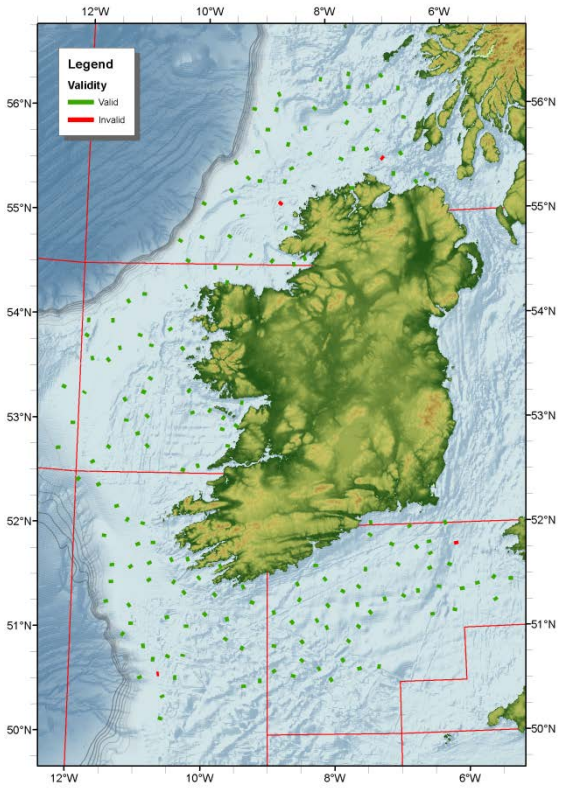
2.3 Relevant previous or future research projects:
Annual 4th quarter survey since 1997.

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.
West of Scotland in ICES division VIa south of 56.5°N, and all of VIIb. In the Celtic Sea the survey will cover VIIg and VIIj north of the 50°N line and west to the 600m contour.

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.
Station positions for the survey carried out in 2014 are indicative of the sampling sites and intensity for IGFS15, although an element of randomization within the survey extent is integral to the sampling design.



4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	Celtic Explorer
Type/Class:	Multipurpose Research Vessel
Nationality (Flag State):	Irish
Identification Number (IMO/Lloyds No.):	D100 A1 ICE CLASS ID + UMS +SCM DP (CM)
Owner:	Marine Institute
Operator:	P&O Maritime Services
Overall length (meters):	65.5
Maximum draught:	5.7m
Displacement/Gross Tonnage:	2425T
Propulsion:	2 x 1530 KW, 1000Rpm, 1 x 1020 KW, 1000 Rpm
Cruising & maximum speed:	10 & 16 knots
Call sign:	EI GB
INMARSAT number and method and capability of communication (including emergency frequencies):	00353 91 423397 / 00353 91 423433 00870 763066743 00 353 87 9678520 / 00 353 86 1735500
Name of Master:	Antony Hobin/Denis Rowan
Number of Crew:	13-15
Number of Scientists on board:	18-20 max

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, 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 Samples	According to IBTS	GOV demersal trawl	Yes
CTD		Seabird Rosette	Yes
Echosounder	According to LINZ	Multibeam echosounder	No
Echosounder	According to LINZ	Single beam echosounder	Yes

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:
None

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:
None

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):
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:
During **September 19th – 30th 2015**. Following that a **second leg** will be performed between **November 13th and December 17th** in the Celtic Sea, to include UK territory of VIIg (see map above).
6.2 Indicate if multiple entries are expected:
Yes

7. Port Calls

7.1 Dates and Names of intended ports of call:
None in the UK

7.2 Any special logistical requirements at ports of call:
None

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

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:
At least one berth will be made available for participation in all legs of the survey.

8.2 Proposed dates and ports for embarkation/disembarkation:
Survey will mobilise and terminate in Ireland.

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:
To the ICES International Bottom Trawl Working Group (IBTS) working group in March 2016, as well as each of the ICES assessment working groups.

9.2 Anticipated dates of submission to the coastal State of the final report:
May 2016

9.3 Proposed means for access by coastal State to data (including format) and samples:
Through IBTS representative in the Marine Institute, Dave Stokes, and Marine Institute Website.

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:
Through the report of the IBTS working group meeting in March 2016, the DATRAS database at ICES and the relevant ICES assessment working group reports.

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples And research results:
Two of the scientists in charge of the survey are stock coordinators and participants in the Celtic Seas Assessment Working Group.

9.6 Proposed means of making results internationally available:
Through the IBTS working group report in March 2016, the DATRAS database at ICES, the Marine Institute website and the relevant ICES assessment working group reports.

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.:						
LIST SCIENTIFIC WORK BY FUNCTION:				DISTANCE FROM COAST		
MAGNETOMETRY GRAVITY BATHYMETRY SEABED SAMPLING ECHO SOUNDING	Water column including sediment sampling of the Seabed	Fisheries research within fishing limits	Research concerning the natural resources of the continental shelf or its physical characteri-stics	Within 12nms Yes	Between 12-200nms YES	(Continental shelf work) YES

Trawling Multibeaming CTD's	No Yes Yes	Yes Yes Yes	Yes Yes Yes	Na

Signature:

Contact information of the focal point:
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