

APPLICATION FOR THE CONSENT TO CONDUCT MARINE SCIENTIFIC RESEARCH IN AREAS UNDER NATIONAL JURISDICTION OF FRANCE

Date: 08th July 2015

1. General information

1.1 Cruise name and/or number: Mackerel Egg Survey 2016

1.2 Sponsoring institution:

Name: Marine Institute

Address: Rinville
Oranmore
Co. Galway
Ireland

Name of Chief Executive: Dr. Peter Heffernan

1.3 Scientist in charge of the project:

Name: Brendan O' Hea

Address: Marine Institute,
Rinville,
Oranmore,
Co. Galway,
Ireland.

Telephone: +353 91 387200

Telefax: +353 91 387201

1.4 Scientist(s) from FRANCE involved in the planning of the project

Name(s): None

Address:

1.5 Submitting officer: Bernadette Ní Chonghaile

Name and address:

Rinville
Oranmore
Co. Galway

Country: Ireland

Telephone: 00 353 91 387200

Telefax: 00 353 91 387201

2. Description of project (Attach additional pages as necessary)

2.1 Nature of objectives of the project:

Every three years the International Council for the Exploration of the Sea , (ICES), coordinates a series of mackerel and horse mackerel egg surveys covering the northeastern Atlantic from Gibraltar to the Faeroes between January and July. The aim of this survey programme is to assess the northeastern Atlantic mackerel and horse mackerel stock. The Marine Institute participates in this programme and during the February survey in 2016 will cover stations in the Celtic Sea and Bay of Biscay.

2.2 Relevant previous or future research cruises:

International mackerel and horse mackerel egg surveys in 2001, 2004, 2007, 2010 and 2013.

2.3 Previously published research data relating to the project:

Results are published in the ICES 2002, 2005, 2008, 2011 and 2014 ICES reports of the working group on mackerel and horse mackerel egg surveys, WGMEGS.

3. Methods and means to be used**3.1 Particulars of vessel**

Name: Celtic Explorer
Nationality: Irish
Owner: Marine Institute
Overall length: 65.5m
Maximum draught: 5.7m
Net tonnage: 727
Propulsion: 2 x 1530 KW, 1000Rpm, 1 x 1020 KW, 1000 Rpm
Cruising speed: 10 Kts
Call sign: EI GB
Method and capability of communication –
Vsat Satellite Broadband
Imarsat –c
HF
VHF
Mini –M

Name of master: Antony Hobin/Denis Rowan

Number of crew: 14

Number of scientists on board: 6 - 7

3.2 Aircraft or other craft to be used in the project: No

3.3 Particulars of methods and scientific instruments

Types of samples and data	Methods to be used	Instruments to be used
Plankton samples	V-shaped tows to a max. depth of 200m	GULF VII plankton sampler
Fish hauls	Mid-water trawl hauls	Pelagic herring net

3.4 Indicate whether harmful substances will be used: None

3.5 Indicate whether drilling will be carried out: No

3.6 Indicate whether explosives will be used No

4. Installations and equipment

Details of installations and equipment (dates of laying, servicing, recovery, exact locations and depth):

N/A

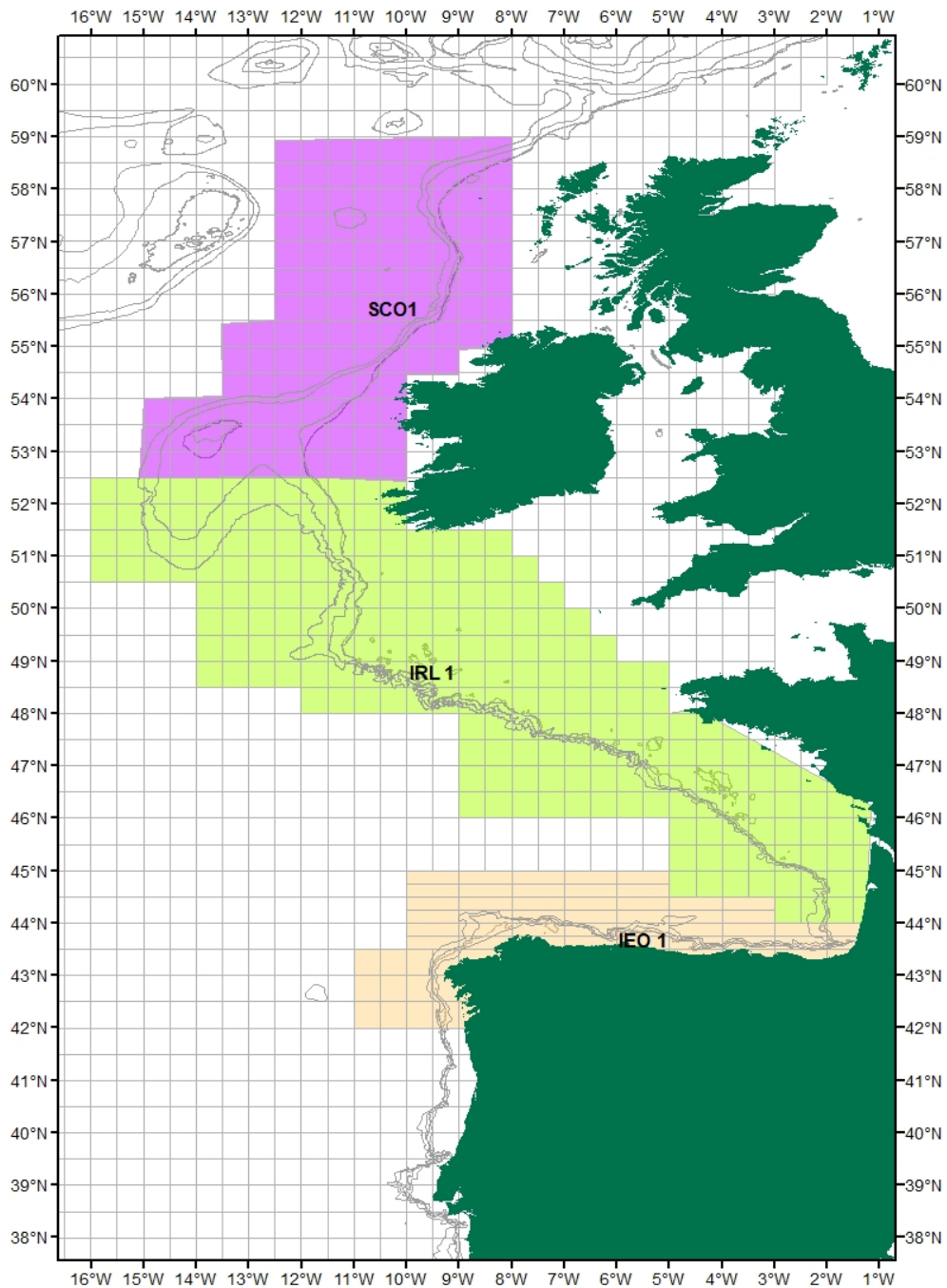
5. Geographical areas

5.1 Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude):

44°N 001°W 44°N 005°W
53°N 010°W 53°N 016°W

5.2 Attach chart(s) at an appropriate scale showing the geographical areas of the intended work and, as far as practicable, the positions of intended stations, the tracks of survey lines, and the locations of installations and equipment.

The following map shows the core sampling area for the Irish survey in February 2016, in green. As the survey is adaptive transects will continue to the west of this area if mackerel or horse mackerel eggs continue to be found in the water column. The survey will start in the north of the area and sample every second transect until it reaches the southern boundary. The intervening transects will be sampled on the way north.



6. Dates

6.1 Expected dates of first entry into final departure from research area of the research vessel:

February 4th – February 25th 2016

6.2 Indicate if multiple entry is expected:

No. The survey will start at the northern end of the sampling area and will work southwards until the southern limit is reached. It will then reverse its route sampling the intervening transects.

7. Port calls

7.1 Dates and names of intended ports of calls in FRANCE: None

7.2 Any special logistical at ports of call:

7.3 Names/ Address / Telephone of shipping agent (if available)

8. Participation

8.1 Extent to which FRANCE will be enable to participate to be represented in research project:

France is not involved in the triennial mackerel eggs surveys. However there will be space on board the research vessel if France wishes to send an observer.

8.2 Proposed dates and ports for embarkation / disembarkation:

start	date : February 4 th 2016	Galway, Ireland
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end	date : February 25 th 2016	Galway, Ireland
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9. Access to data, samples and research results

9.1 Expected dates of submission to FRANCE preliminary reports which should include the expected dates of submission of the final results:

The cruise report will be made available within 6 months.

As this is an international ICES program results will be published in the ICES working group reports. Preliminary results will be presented at the ICES working group for widely distributed stocks, WGWIDE, in August 2016, with the final results being reported by WGMEGS in April 2017.

9.2 Proposed means for access by FRANCE to data and samples:

Please contact the Chief Scientist with any survey data requests.

9.3 Proposed means to provide FRANCE with assessment of data, samples and research results or provide assistance in their assessment or interpretation:

The scientists participating in this international program will collaborate in ICES workshops and working groups. The results will be published in ICES working group reports.

9.4 Proposed means of making research results internationally available:

10. Scientific Equipment

**COMPLETE THE FOLLOWING TABLE-
SEPARATE PAGE FOR EACH COSTAL STATE:**

INDICATE YES OR NO

LIST SCIENTIFIC WORK BY FUNCTION Eg: MAGNETOMETRY: GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TRAWLING ECHO SOUNDING WATER SAMPLING	Water column includin g sedimen t samplin g of the Seabed	Fisheri es researc h within fishing limits	Research concerni ng the natural resource s of the continen tal shelf or its physical character i-stics	DISTANCE FROM COAST		
				Within 12nms	Between 12-200nms	(Continental shelf work only) Beyond 200nm but within the continental margin
Plankton sampling		Yes		Yes	Yes	Yes
Fishing operations		Yes		Yes	Yes	

(On behalf of the Principle Scientist)

Dated -----