

**APPLICATION FOR THE CONSENT TO CONDUCT MARINE SCIENTIFIC
RESEARCH IN AREAS UNDER NATIONAL JURISDICTION OF THE UNITED
KINGDOM**

Date:

1. General information

1.1 Cruise name and/or number:

1.2 Sponsoring institution:

Name: Marine Institute

Address: Galway Technology Park
Parkmore Business Park West
Galway
Ireland

Name of Chief Executive: Dr. Peter Heffernan

1.3 Scientist in charge of the project:

Name: Ciaran O'Donnell

Address: Galway Technology Park
Parkmore Business Park West
Galway
Ireland

Telephone: (00353) 091 730 494

Telefax: (00353) 091 730 470

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

Name(s):

Address:

1.5 Submitting officer:

Name and address: Carol Maloney
Galway Technology Park
Parkmore
Galway

Country: Ireland

Telephone: 00 353 91 730400

Telefax: 00 353 91 730465

2. Description of project (Attach additional pages as necessary)**2.1 Nature of objectives of the project:**

To acoustically assess the size of the herring stock in ICES Divisions VIaS and VIIb.

2.2 Relevant previous or future research cruises:

Annual survey carried out since 1993

2.3 Previously published research data relating to the project:

Cruise reports as presented at the ICES annual Herring working groups

3. Methods and means to be used

Acoustic survey using 18, 38, 120 and 200 KHz and fishing trawl hauls to confirm species composition of insonified fish echotraces. Parallel transects spaced at 40 nmi running perpendicular to the depth contours of the named areas of interest. Hydrographic stations and underway hydrographic data collection.

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: 14 Kts

Call sign: EI

Method and capability of communication -

Name of master: Ciaran Flannagan/ Philip Baugh

Number of crew: 12

Number of scientists on board: 8

3.2 Aircraft or other craft to be used in the project: N/A**3.3 Particulars of methods and scientific instruments**

Types of samples and data	Methods to be used	Instruments to be used
Acoustic	Parallel transects	Simrad ER 60
Hydrographic	Vertical profiling	Seabird 911
Fishing	Fishing	Pelagic midwater trawl

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3.4 Indicate whether harmful substances will be used: na

3.5 Indicate whether drilling will be carried out: na

3.6 Indicate whether explosives will be used na

4. Installations and equipment

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

5. Geographical areas

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

See attached map of proposed area of coverage

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.

6. Dates

Expected dates of first entry into final departure from research area of the research vessel: Early January, between the 5-9th, depending on weather-- the extent of entry will be limited to a few hours as we cross to the north of the Stanton. This is the only time within the survey confines that we will be in UK waters.

6.2 Indicate if multiple entry is expected: na

7. Port calls

7.1 Dates and names of intended ports of calls in UNITED KINGDOM: na

7.2 Any special logistical at ports of call: na

7.3 Names/ Address / Telephone of shipping agent (if available)**8. Participation**

8.1 Extent to which UNITED KINGDOM will be enable to participate to be represented in research project: AS REQUESTED

8.2 Proposed dates and ports for embarkation / disembarkation: Na

9. Access to data, samples and research results

9.1 Expected dates of submission to UNITED KINGDOM preliminary reports which should include the expected dates of submission of the final results:
AS REQUESTED

9.2 Proposed means for access by UNITED KINGDOM to data and samples:
AS REQUESTED

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

9.4 Proposed means of making research results internationally available:
AS REQUESTED

10. Scientific Equipment

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

INDICATE YES OR NO

LIST SCIENTIFIC WORK BY FUNCTION Eg: MAGNETOMETRY:				DISTANCE FROM COAST

GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TRAWLING ECHO SOUNDING WATER SAMPLING		Fisheries research within fishing limits	Research concerning the natural resources of the continental shelf or its physical characteristics	Within 12nms	Between 12-200nms	(Continental shelf work only) Inside 200nm but within the continental margin
WATER SAMPLING	CTD					
PROFILING INSTRUMENTS						
ABOVE WATER OPTICS AND PHOTOGRAPHY						

(On behalf of the Principle Scientist)

Dated -----

Proposed area of coverage for the January 2006 herring acoustic survey