

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

Date: 2nd May, 2007

1. General information

1.1 Cruise name and/or number: RV Celtic Explorer

1.2 Sponsoring institution: European Community

Name: Marine Institute

Address: Rinville
Oranmore
Galway
Ireland

Name of Chief Executive: Dr. Peter Heffernan

1.3 Scientist in charge of the project:

Name: Dr. Leonie Dransfeld

Address: Fisheries Science Services
Marine Institute
Rinville
Oranmore
Galway

Telephone: 00 353 91387200

Telefax: 00 353 91387201

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

Name(s): Finlay Burns
Address: FRS, Aberdeen, Scotland

1.5 Submitting officer:

Name and address: Bernadette Ní Chonghaile
Marine Institute
Rinville

Oranmore
Galway

Country: Ireland
Telephone: 00 353 91387200
Telefax: 00 353 91387201

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 eastern Atlantic from Gibraltar to the north coast of Scotland 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 covers stations in the west and north of Ireland in July.

2.2 Relevant previous or future research cruises: International mackerel and horse mackerel egg survey in 2001, 2004

2.3 Previously published research data relating to the project: Results are published in the ICES 1996, 1999, 2002 and 2005 ICES report of the working group on mackerel and horse mackerel egg surveys.

3. Methods and means to be used

3.1 Particulars of vessel

Name: RV Celtic Explorer
Nationality: Irish
Owner: Marine Institute
Overall length: 65.5m
Maximum draught: 5.7m
Net tonnage: 2435t

Propulsion: Diesel electric propulsion plant 2 inverter controlled variable speed reversing dc propulsion motor in tandem with max total output of 3mw running 16 pitch propeller. Propeller diameter = 3500mm, pull at 4knots~ca 30tons

Cruising speed: 14 knots

Call sign: EIGB

Method and capability of communication –

Standard GMDS equipment weather fax NAV tex and mini/m

Phone number: GSM fax= 0876519288

Bridge phone 0872044837

Name of master: P. Baugh

Number of crew: 14

Number of scientists on board: 17

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
Plankton Samples	Plankton net sampling	GULFVII Plankton Sampler

3.4 Indicate whether harmful substances will be used: None

3.5 Indicate whether drilling will be carried out: None

3.6 Indicate whether explosives will be used: None

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): between 48°-60°N and 3-16°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.

6. Dates

6.1 Expected dates of first entry into final departure from research area of the research vessel: 26th June – 16th July, 2007

6.2 Indicate if multiple entry is expected:
No

7. Port calls

Dates and names of intended ports of calls in UNITED KINGDOM:
None

7.2 Any special logistical at ports of call:
N/A

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

8. Participation

8.1 Extent to which UNITED KINGDOM will be able to participate to be represented in research project:

The UK Scotland is part of this programme and will participate in research surveys of the same nature during this time.

8.2 Proposed dates and ports for embarkation / disembarkation:

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:

The cruise report will be made available within 6 months.

As this is an international ICES program all data and results will be shared and made available to all participants. UK Scotland is also the international data coordinator and therefore will receive the data in autumn 2007.

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

Please contact the Chief Scientist

9.3 Proposed means to provide UNITED KINGDOM 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

9.4 Proposed means of making research results internationally available: ICES working group reports

10. Scientific Equipment

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

INDICATE YES OR NO

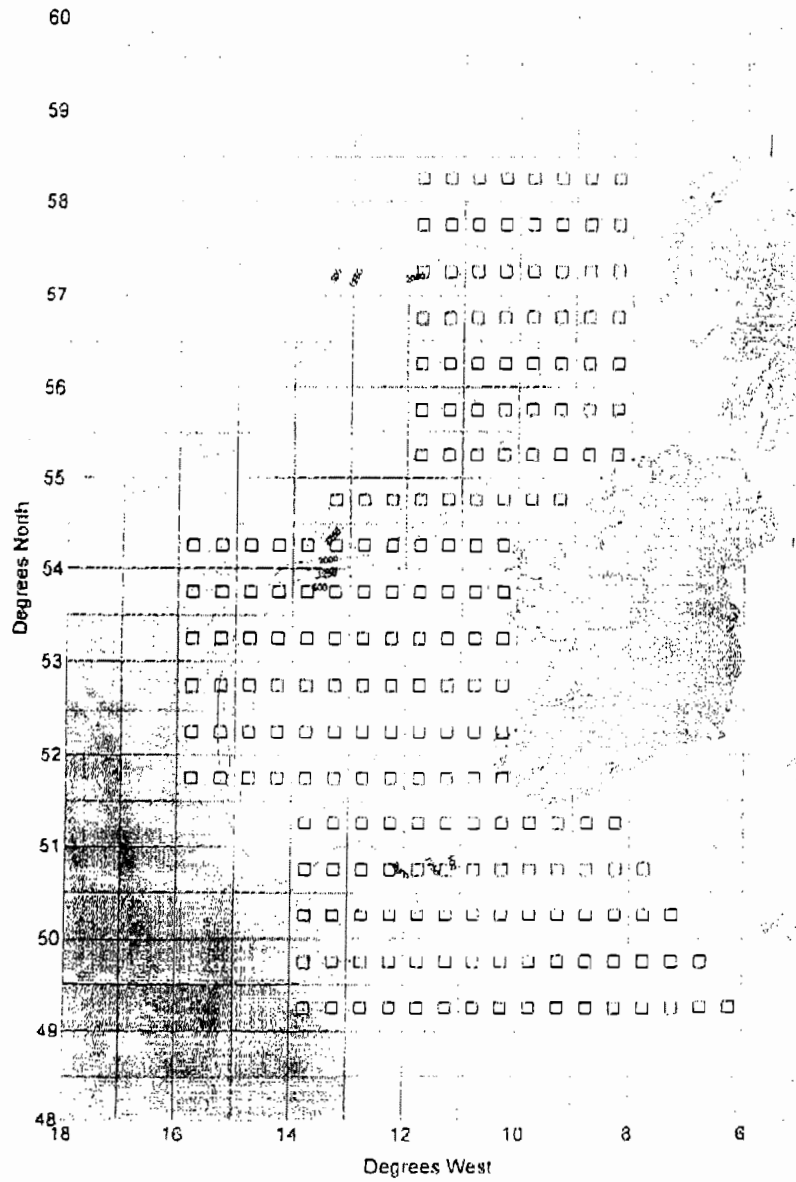
LIST SCIENTIFIC WORK BY FUNCTION Eg: MAGNETOMETRY: GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TRAWLING ECHO SOUNDING WATER SAMPLING	Water column including sediment sampling of the Seabed	Fisheries research within fishing limits	Research concerning the natural resources of the continental shelf or its physical characteristics	DISTANCE FROM COAST		
				Within 12nms	Between 12-200nms	(Continental shelf work only) Beyond 200nm but within the continental margin
Plankton sampling		✓			✓	

(On behalf of the Principle Scientist)

Dated -----

Map of stations

Fig. 1 Sampling area for the ICES international mackerel and horse mackerel egg survey



* Note that this is the standard sampling area in which all the ICES international mackerel eggs surveys take place. The actual western and northern limits for this survey will be determined on route, when mackerel and horse mackerel egg concentrations are known.