

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

Date: 14/01/08

1. General information

1.1 Cruise name and/or number: BSS 08

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: Hans Gerritsen

Address: Marine Institute
Rinville, Oranmore, Galway
Ireland

Telephone: +353 91 387297

Telefax: +353 91 387201

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

Name(s):

Address:

1.5 Submitting officer: Bernadette Ni 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)

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2.1 Nature of objectives of the project: Groundfish survey in the Irish Sea. Objectives are collection of information on maturity, sex ratio and fecundity of a number of fish species.

2.2 Relevant previous or future research cruises: Biological survey on the Celtic Voyager in Feb/March 2004-7; Groundfish Survey on the Celtic Explorer in Oct-Nov 2003-7

2.3 Previously published research data relating to the project:

Gerritsen HD and McGrath D. (2006) Variability in the assignment of maturity stages of plaice (*Pleuronectes platessa* L.) and whiting (*Merlangius merlangus* L.) using macroscopic criteria. Fisheries Research 77 (1): 72-77

Armstrong M, Bromley P, Schön PJ, Gerritsen H, Changes in growth and maturity in expanding and declining stocks: evidence from haddock, cod and whiting populations in the Irish and Celtic Seas. ICES CM 2004/K:09

Gerritsen, H. 2005. Biological parameters for Irish Demersal Stocks in 2004; Maturity, sex ratio, length and weight at age estimates for cod, haddock, whiting, megrim, black sole, plaice, anglerfish, black-bellied anglerfish and hake around the Irish coast. WD5 to ICES WGNSSDS

Gerritsen, H. 2006. Biological parameters for Irish Demersal Stocks in 2004 and 2005. Working document to ICES WGNSSDS, Copenhagen 9-18 May 2006 and ICES WGHMM, Bilbao, 9-18 May 2006.

Schön PJ, Armstrong M, Gerritsen H, Allen M. Changes in growth and maturity in cod and whiting in the Irish Sea. Working Document of the ICES Study Group on Growth, Maturity and Condition in Stock Projections. SGGROMAT 2004.

3. Methods and means to be used

3.1 Particulars of vessel

Name: Celtic Voyager

Nationality: Irish

Owner: Marine Institute

Overall length: 31m

Maximum draught: 3.8m

Net tonnage:

Propulsion: Wartsila UD25M5 (626 kW) ZF Marine Gearbox + Berg propeller

Van der Giessen Wing Nozzle

Cruising speed: 9.5kn

Call sign: EIQN

Method and capability of communication – Radio, Satphone, Gsm

Name of master: Denis Rowan/Fergus O'Hehir

Number of crew: 8

Number of scientists on board: 7

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
Catch weights of fish	Trawling sorting weighing	Trawl, weighing scales
Length/weight measurements of fish	-	Electronic measuring boards
Age determination	Removal of otoliths	Forceps, knife
Sex/maturity determination	Dissection	Knife

3.4 Indicate whether harmful substances will be used: yes, 4% formaldehyde

3.5 Indicate whether drilling will be carried out: No

3.6 Indicate whether explosives will be used No

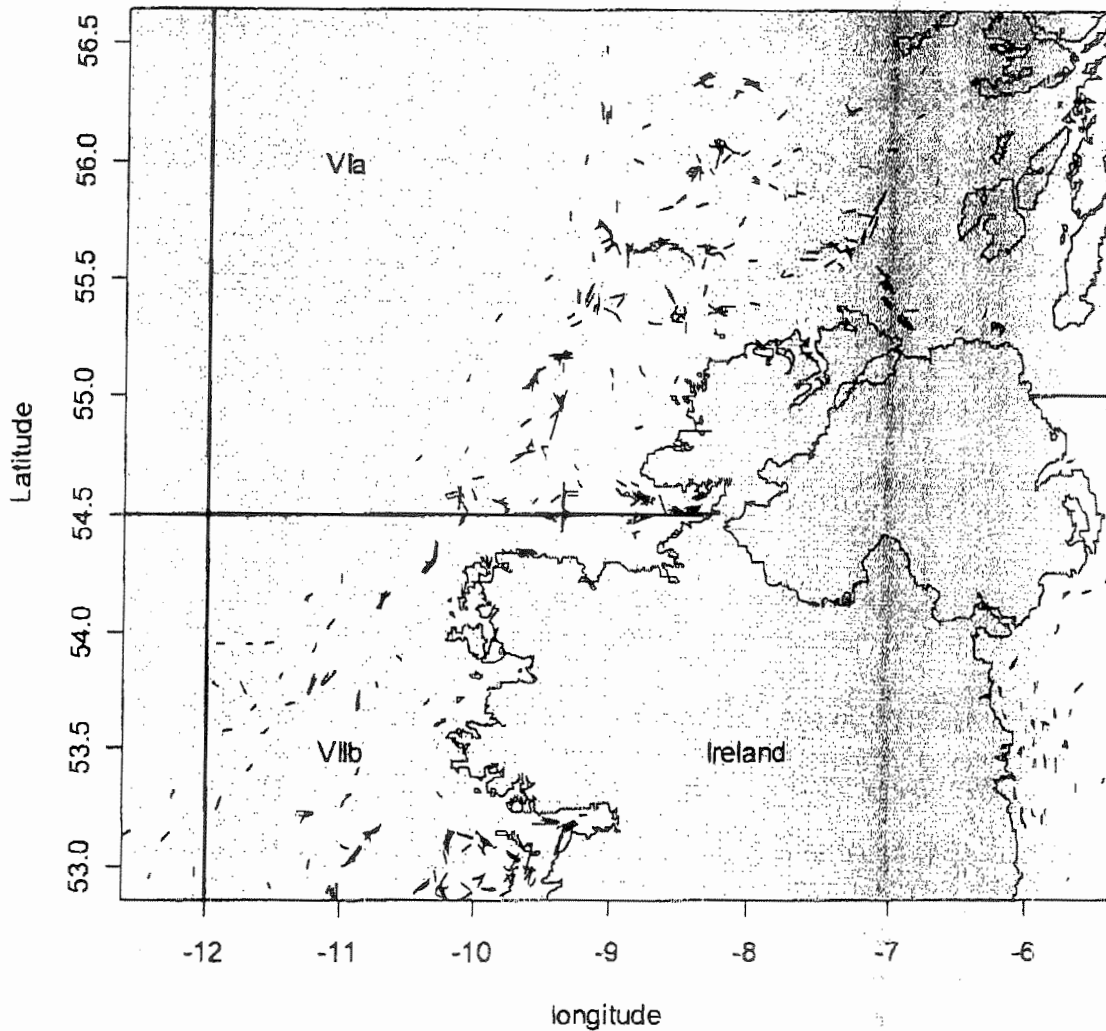
4. Installations and equipment

Details of installations and equipment (dates of laying, servicing, recovery, exact locations and depth): GOV trawl 0-250m

5. Geographical areas

5.1 Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude): 6°-12°W and 53°-56°N

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.



Map of the proposed sampling area. The lines represent the tracks of historic tows.

6. Dates

6.1 Expected dates of first entry into final departure from research area of the research vessel: 23 Feb 2008 -02 Mar 2008

6.2 Indicate if multiple entry is expected: Yes

7. Port calls

7.1 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)

8. Participation

8.1 Extent to which UNITED KINGDOM will be able to participate to be represented in research project: we are willing to collect samples for the UK if requested

8.2 Proposed dates and ports for embarkation / disembarkation:
Embark Galway 22 Feb 2008 / Disembark Galway 2 March 2008

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:

SUMMER 2008

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

9.4 Proposed means of making research results internationally available:
REPORTS/PAPERS

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
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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	Within 12nms	Between 12-200nms	(Continental shelf work only) Beyond 200nm but within the continental margin
WATER SAMPLING						
PROFILING INSTRUMENTS						
ABOVE WATER OPTICS AND PHOTOGRAPHY						
TRAWLING	Yes	Yes	Yes	Yes	Yes	<u>No</u>



(On behalf of the Principle Scientist)

Dated ---14/01/08-----