

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

Date: 26/07/11

1. General information

1.1 Cruise name and/or number: CV11034

1.2 Sponsoring institution: Marine Institute

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: Leo McKittrick

Address: Radiological Protection Institute of Ireland
3 Clonskeagh Square
Dublin 14

Telephone: +353 (0) 1-2066935

Telefax: +353 (0) 1-2697437

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

Name(s): N/A

Address:

1.4 Submitting officer: Aodhan Fitzgerald

Name and address:

Marine Institute
Rinville
Oranmore
Co. Galway
Ireland

Country: Ireland

Telephone: +353 (0) 91-387200

Telefax: +353 (0) 91-387201

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

2.1 Nature of objectives of the project:

Annual radioactivity monitoring of the Irish Sea by the Radiological Protection Institute of Ireland

2.2 Relevant previous or future research cruises:

Research cruise has been in place since the 1980's and is carried out once a year

2.3 Previously published research data relating to the project:

RPII's annual monitoring report & data available via www.rpii.ie

3. Methods and means to be used

3.1 Particulars of vessel

Name: Celtic Voyager

Nationality: Irish

Owner: Marine Institute

Overall length: 31.4 m

Maximum draught: 3.8 m

Net tonnage: 340

Propulsion: Wartsilla UD25m5 (626Kw)

Cruising speed: 9.5 Knots

Call sign: EIQN

Method and capability of communication –

Name of master: Phillip Baugh/Colin McBrearty

Number of crew: 7

Number of scientists on board: maximum of 5 at any one time

3.2 Aircraft or other craft to be used in the project: None

3.3 Particulars of methods and scientific instruments

Types of samples and data	Methods to be used	Instruments to be used
Seawater surface samples and sediment grab samples	Surface seawater sampling & day grab sampling for sediments	See aside

3.4 Indicate whether harmful substances will be used: No

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):

Not applicable

5. Geographical areas

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

Samples to be collected at following sampling locations (no measurements to be made at any other locations).

Sampling Location	Sampling Co-ordinates
N1	53:25N 6:01W
N2	53:36N 5:56W
N3	53:44N 5:25W
N4	53:52N 5:14W
N5	53:53N 5:33W
N6	53:52N 5:53W

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 and final departure from research area of the research vessel:

16/8/2011 (one day)

6.2 Indicate if multiple entry is expected:

7. Port calls

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

Not applicable

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

NATIONAL MONITORING PROGRAMME – DATA AND SAMPLES HAVE BEEN SHARED WITH UK COLLEAGUES PREVIOUSLY (CEFAS, ENVIRONMENT AGENCY, DECC, NORTHERN IRELAND ENVIRONMENT AGENCY, SEPA).

8.2 Proposed dates and ports for embarkation / disembarkation:

Embarkation port: Dublin: 16/8/2011

Disembarkation: Dublin: 16/8/2011

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:

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

Annual monitoring report prepared and shared with UK colleagues (CEFAS, Environment Agency, DECC, Northern Ireland Environment Agency, SEPA); October 2012

9.3 Proposed means to provide UNITED KINGDOM with assessment of data, samples and
Through UK-Ireland Contact Group on Radiological Matters (and bilaterally as above); by October 2012

9.4 Proposed means of making research results internationally available:

Made available online: www.rpii.ie, and at international conferences where appropriate.

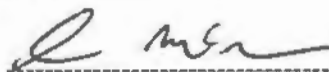
10. Scientific Equipment

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

INDICATE YES OR NO

UK

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				DISTANCE FROM COAST		
				Within 12nms	Between 12-200nms	(Continental shelf work only)
WATER SAMPLING				No	Yes	
PROFILING INSTRUMENTS				No	No	
ABOVE WATER OPTICS AND PHOTOGRAPHY				No	No	
SEABED SAMPLING (surficial sediment grab)				No	Yes	



(On behalf of the Principal Scientist)

Dated 27/7/2011