

**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: INIS Hydro CV11019

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

Telephone: (++353) 91 387 500
Telefax: (++353) 91 387 201

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

Name(s): Mr. Andre Cocuccio
Address: Maritime and Coastguard Agency, Spring Place, 105 Commercial Road,
Southampton SO15 1EG, UK

1.5 Submitting officer: Pamela Browne

Name and address:
Marine Institute
Rinville
Oranmore
Galway

Country: Ireland

Telephone: (++353) 91 387 200
Telefax: (++353) 91 387 201

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

2.1 Nature of objectives of the project:

To carry out hydrographic and geophysical survey off the coast of Northern Ireland and Ireland (specifically the Approaches to Carlingford Lough) in order to provide a high resolution baseline

data set which will contribute, amongst other things, to the updating of admiralty charts in the area. It will augment the UK CHP.

2.2 Relevant previous or future research cruises:

This work will continue the hydrographic mapping carried out by the successful JIBS partnership (Fair Head to Fanad Head (2007/08)). Data acquired in Irish waters will augment the data set acquired by the national mapping programme, INFOMAR.

2.3 Previously published research data relating to the project:

N/A

3. Methods and means to be used

3.1 Particulars of vessel

Name: R.V. Celtic Voyager

Nationality: Irish

Owner: Marine Institute

Overall length: 31.5m

Maximum draught: 4m

Net tonnage: 340T

Propulsion: Wärtsilä UD25M5 (626 kW),

Cruising speed: 8kn

Call sign: EIQN

Method and capability of communication – GMDSS A class, E-mail. Mini M SAT C and GSM

Name of master: Philip Baugh/Colin McBrearty

Number of crew: 8

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 |
|---------------------------|--------------------|------------------------|
| Hydrographic data | Acoustic | EM3002, EA400 |
| Geophysical | Acoustic | SES 5000 3.5kHz |
| Sediment | Grab sampling | Van Veen |
| | | |

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

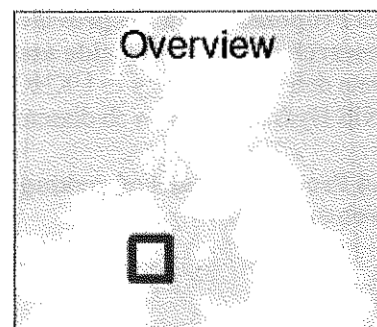
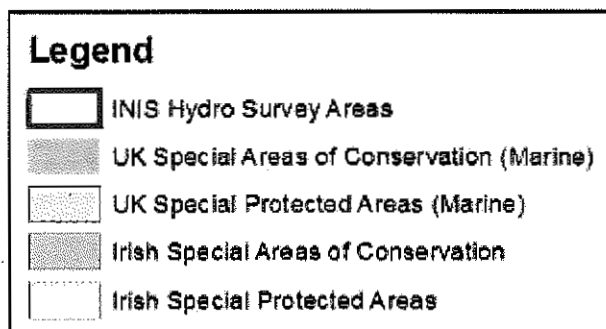
4. Installations and equipment

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):

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: 02nd September – 15th September, 2011

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: NO

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

8. Participation

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

The work is being carried out in co-operation with the MCA and AFB1 (NI) and the selection of the area for survey has been carried out in consultation with key NI stakeholders.

8.2 Proposed dates and ports for embarkation / disembarkation:

Howth, Co. Dublin 02nd September / 15th September

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:

07TH November, 2011

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

Cleaned data delivered directly to UKHO. Web disseminated data and samples submitted to MCA.

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

Data delivered directly to UKHO. Survey Report to be incorporated into the final results of the INIS Hydro project. Web disseminated data and samples submitted to MCA.

9.4 Proposed means of making research results internationally available:

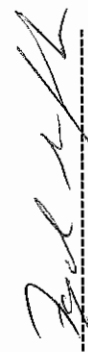
Web disseminated

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 | | | | DISTANCE FROM COAST | | |
|--|------------------------|--|--|--|-----------------------|----------------------------------|
| | | | | Within 12nms Maximum of 3nm from coast from 10m contour | Between 12- 200nms | (Continental shelf work only) |
| No No No No Yes Yes No Yes No No No | | | | | | |
| WATER SAMPLING | No | | | | | |
| PROFILING INSTRUMENTS | Yes. MBES / SBES / SBP | | | Yes | | |
| ABOVE WATER OPTICS AND PHOTOGRAPHY | No | | | | | |



(On behalf of the Principle Scientist)

Dated 15/06/11