

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

Date : 20.01.12

1 - GENERAL INFORMATION

1.1. Cruise name and/or number : CE12014

Celtic Sea Herring Acoustic Survey

1.2. Sponsoring institution :

Name : Marine Institute

Address : Rinvilla, Oranmore, Co. Galway, Ireland

Phone : 091 387 200

Fax : 091 387 201

Director : Dr. Peter Heffernan

1.3. Scientist in charge of the project :

Name : Ciaran O'Donnell

Address : Marine Institute, Rinvilla, Oranmore, Co. Galway, Ireland

Phone : 091 387 200

Fax : 091 387 201

Email : Ciaran.odonnell@marine.ie

1.4. Scientist from Marine Institute involved in the planning of the project :

Name : Ciaran O'Donnell

Address : Marine Institute, Rinvilla, Oranmore, Co. Galway, Ireland

Phone : 091 387 200

Fax : 091 387 201

1.5. Submitting officer:

Name : Bernadette Ní Chonghaile

Address : Marine Institute, Rinvilla, Oranmore, Co. Galway, Ireland

Phone : 091 387 200

Fax : 091 387 201

Email : Bernadette.nichonghaile@marine.ie

2 - DESCRIPTION OF THE PROJECT

2.1. Nature and objectives of the project :

Determine the relative abundance and age structure of pre-spawning aggregations of herring in the Celtic Sea south of Ireland. This survey is internationally coordinated through ICES.

2.2. Relevant previous or future research cruises :

This survey program was initiated in 1995 and has run annually since then. Data collected is used during the assessment of this stock for fishery applications within ICES.

2.3. Previously published research data relating to the project :

<http://www.ices.dk/workinggroups/ViewWorkingGroup.aspx?ID=77>

3 - METHODS AND MEANS TO BE USED

3.1. Particular of vessel

Name : RV Celtic Explorer
Nationality : Irish
Owner : Marine Institute
Overall length : 65.5m
Maximum draught : 5.8m
Net tonnage : 727T
Gross tonnage : 2425T
Propulsion : 2 x Wartsila 9L20, 1620kW/1000rpm, 690Vac. 1 x Wartsila 6L20, 1080kW/1000rpm, 690Vac
Cruising speed : 10kn
Maximum speed : 16Kn
Call sign : EIGB
Method and capability of communication (including telex, frequencies) :
Vsat Satellite Broadband, Imarsat – c, HF, VHF, Mini-M

Name of master : Antony Hobin/Dennis Rowan
Number of crew : 15
Number of scientists on board : 10

3.2. Aircraft or other craft to be used in the project :

NA

3.3. Particulars of methods and scientific instruments :

Types of samples and data	Methods to be used	Instruments to be used
Acoustic data	ER60 Scientific Echosounder	ER60 Scientific Echosounder
Biological	Trawling	Pelagic mid-water trawl
Temperature & Salinity	Vertical cast of sensor	CTD

3.4. Indicates 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 EQUIPMENTS

Details of installations and equipments (dates of laying, servicing, recovery, exact locations and depth)

NA

5 - GEOGRAPHICAL AERAS

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

From 50m inshore contour southwards to 50°N line of latitude. Area will be surveyed using a combination of parallel north-south transects of variable spacing. Where the tracks enter UK waters transect spacing will be maintained at 4nmi (nautical miles)

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 :

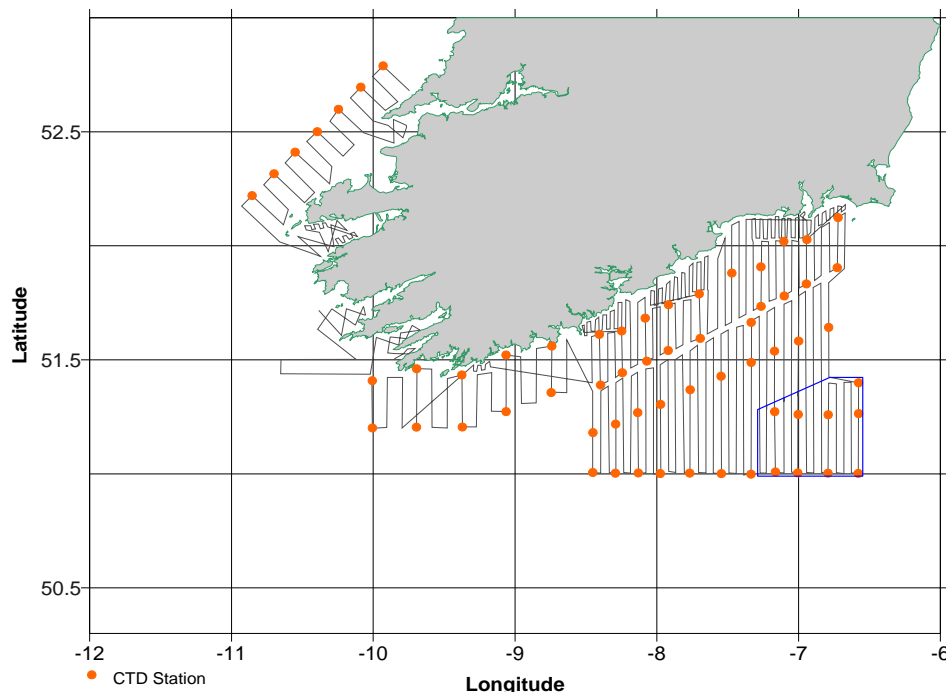


Figure 1. Preliminary cruise tracks for the Celtic Explorer as planned for 2012, track shown in black and hydrographic stations in orange. Eastern side of blue box indicates where the survey tracks cross into UK waters

6 - DATES

6.1 Expected dates of first entry into and final departure from the research area of the research vessel :

entry date : 09.10.12

departure date : 29.10.12

6.2 Indicate if multiple entry is expected :

Yes

7 - PORTS CALLS

7.1. Dates and names of intended ports of call in: NA

7.2. Any special logistical requirements at ports of call : NA

7.3. Name/Address/Telephone of shipping agent (if available)

8 - PARTICIPATION

8.1. Extent of which Marine Institute will be enabled to participate or to be represented in the research project :

Scientific observers are welcome on the survey, intention to join the survey should be given well in advance.

8.2. Proposed dates and ports for embarkation/disembarkation :

start date : Galway 09.10.12

end date : Cork 29.10.12

9 - ACCESS TO DATA, SAMPLES AND RESEARCH RESULTS

9.1. Expected dates of submission to ICES of preliminary reports which should include the expected dates of submission of the final results :

03.12.12

9.2. Proposed means for access by ICES to data and samples

Through the ICES forum: WGIPS (Working Group of International Pelagic Surveys)

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

Through the ICES forum: WGIPS (Working Group of International Pelagic Surveys)

9.4. Proposed means of making research internationally available:

Through the ICES forum : WGIPS (Working Group of International Pelagic Surveys)

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 TRAWLING ECHO SOUNDING WATER SAMPLING	Echosounder (Fisheries capability)	Fisheries research within fishing limits	Fisheries and physical oceanography	DISTANCE FROM COAST		
				Coast (50m)	Shelf Edge 250m	Based on self and to shelf edge (250m contour)
WATER SAMPLING	Yes	Yes	YES	Yes	Yes	
PROFILING INSTRUMENTS	YES	Yes	YES	Yes	Yes	
ABOVE WATER OPTICS AND PHOTOGRAPHY	No	No	No	No	No	

Ciaran O'Donnell
(On behalf of the Principle Scientist)

Dated 20.01.12