

INFOMAR Notice of Operations, 2016



The Integrated Mapping for the Sustainable Development of Ireland's Marine Resource (INFOMAR) programme is a joint venture between the [Geological Survey of Ireland](#) and the [Marine Institute](#). It follows on from the Irish National Seabed Survey but has a focus that is expanded to include three programme areas, namely;

- Data Acquisition, Data Management and Interpretation
- Data Exchange and Integration
- Value Added Exploitation.

Covering some 125,000 square kilometres of underwater territory, INFOMAR will produce integrated mapping products covering the physical, chemical and biological features of the seabed.

During the current year of INFOMAR Phase 2 (2016-2026), operations are planned to take place within the following priority bays, harbours and offshore areas (see Figures attached):

R.V.'s Keary, Tonn and Geo Areas

- Irish Sea: survey effort will initially focus in the area between Dublin and Drogheda/Carlingford and later on it will extend further south, offshore Co. Wicklow and Wexford.

R.V. Celtic Voyager Areas

Priority target

- South coast/Celtic Sea: extending coverage within the Biologically Sensitive Area

Secondary targets (contingency areas)

- West Coast offshore Co. Mayo extending coverage on Atlantic Marine Energy Test Site (AMETS)
- Irish Sea, extending coverage further east toward EEZ boundary

R.V. Celtic Explorer Area

- South coast/Celtic Sea: extending coverage within the Biologically Sensitive Area

Data acquisition methods will include hydrographic and geophysical vessel survey and geological groundtruthing.

As part of the ongoing planning process, INFOMAR are interested in identifying previous, current, and planned operations or environmental constraints within the above priority survey areas, (e.g. environmental and/or physical monitoring / dredging / commercial activities/ wrecks)

Enquiries or supporting information in relation to the above programme should in the first instance be directed to by phone (091 387200) or email info@infomar.ie



www.gsi.ie



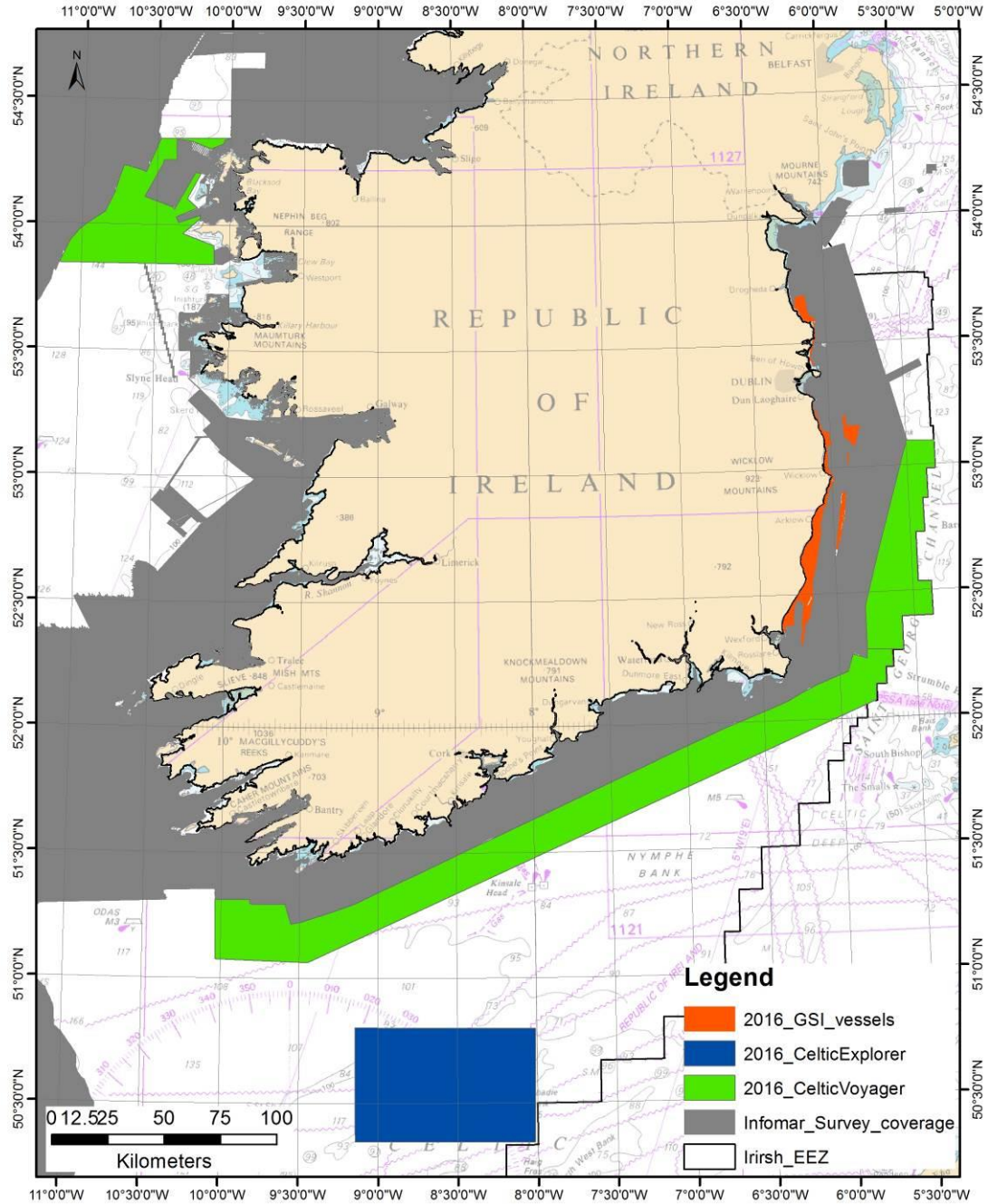
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INFOMAR 2016 - ALL SURVEY AREAS

Image below summarises the broad survey priorities for 2016.
 Areas where Celtic Voyager survey effort will be focused are in green
 Areas where Celtic Explorer survey effort will be focused are in blue
 Areas where GSI survey vessels survey effort will be focused are in orange



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Figure 1 – Proposed INFOMAR survey areas for 2016

2016 Operations Summary

Survey Vessel	Schedule	Location
R.V.'s Keary, Geo & Tonn	April - October	Irish Sea
R.V. Celtic Voyager	21/03-10/04 21d	Celtic Sea/Irish Sea
	16/04-23/04 8d	Celtic Sea/Irish Sea
	26/05-8/06 14d	Celtic Sea/West Mayo
	29/07-8/08 11d	Celtic Sea/West Mayo
	11/09-25/09 15d	Celtic Sea/Irish Sea
R.V. Celtic Explorer	14/09-22/09 9d	Celtic Sea

APPENDICES LISTING

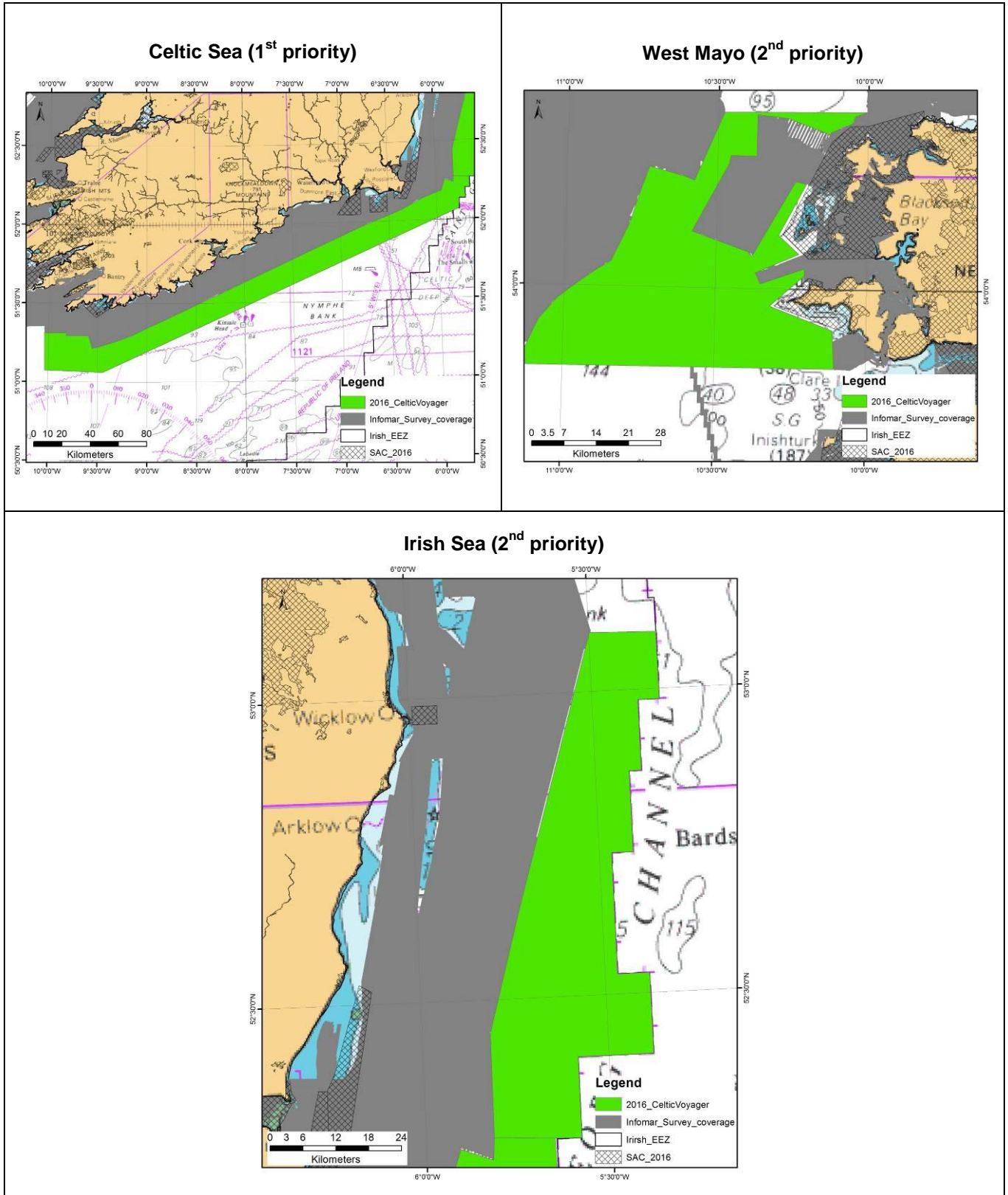
Appendix 1 R.V.'s Celtic Voyager, Celtic Explorer, Keary, Tonn and Geo survey areas

Appendix 3 Vessel & Equipment Frequencies

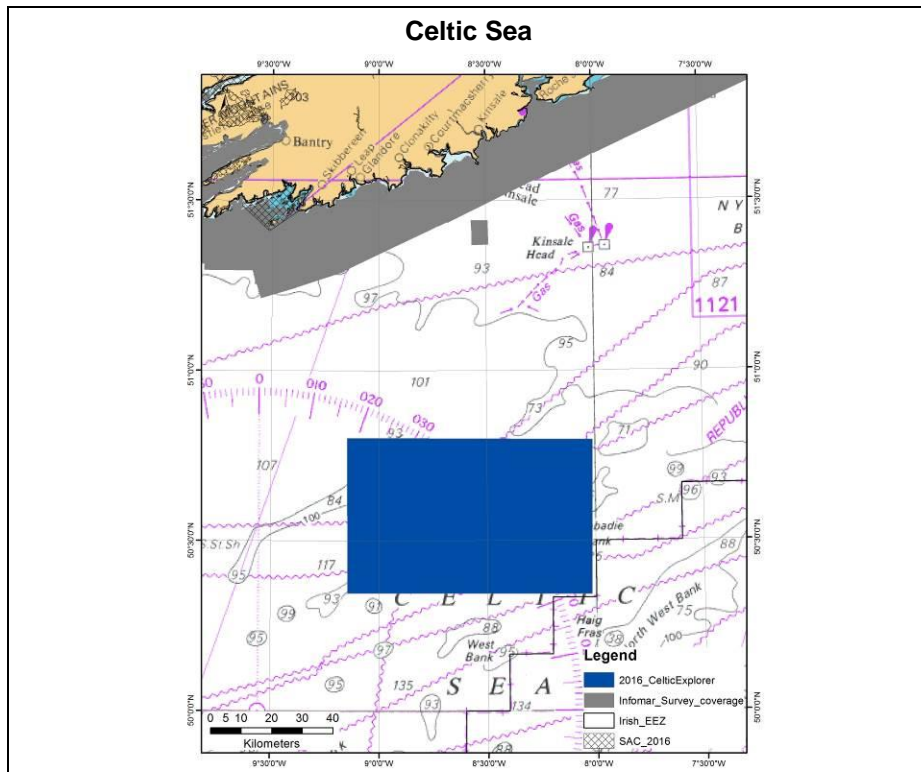
APPENDIX 1 R.V. R.V.'s Celtic Voyager, Celtic Explorer, Keary, Tonn and Geo survey Areas

Survey extents are preliminary, and set ambitiously to allow for 100% suitable weather conditions, and no technical or logistical issues arising during the survey season. Final coverage achievable is subject to weather, shoals and fishing gear constraining survey, technical issues, and other unforeseen factors. Assigned dates may change subject to operational constraints.

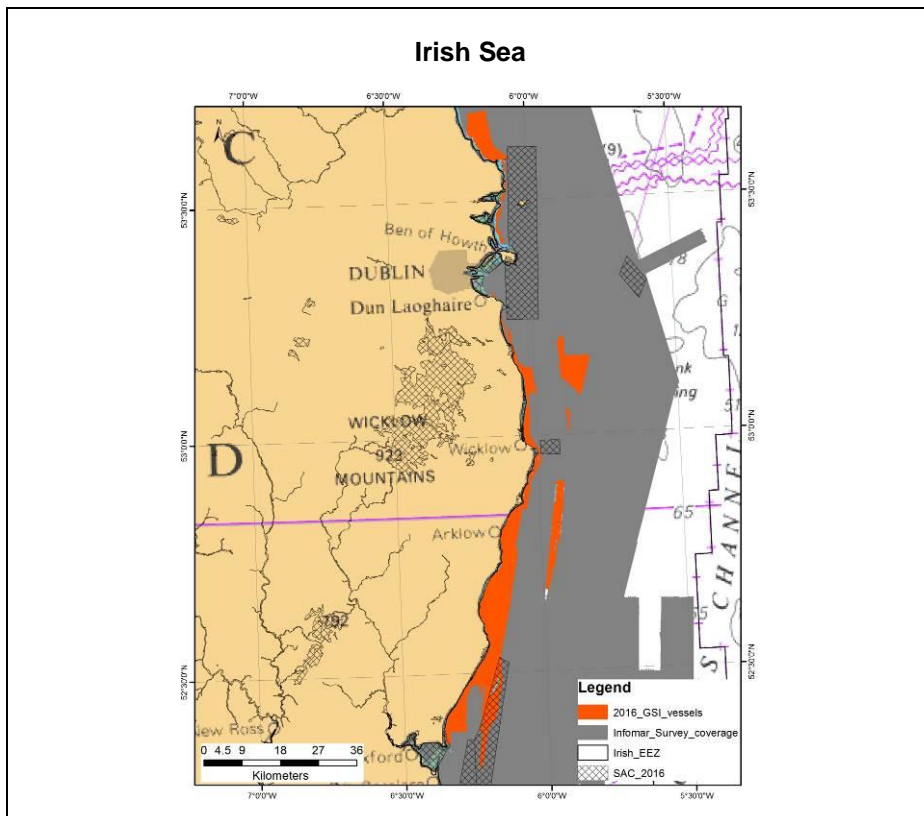
A1.1 R.V. Celtic Voyager Priority Areas



A1.2 R.V. Celtic Explorer Priority Area



A1.3 R.V.'s Keary, Tonn and Geo Priority Areas



Appendix 3 Vessels & Equipment Frequencies

P = Primary S = Secondary Y = To be deployed N = Not to be deployed	Multibeam				Single Beam	Side Scan Sonar			Sub Bottom Profiler			Seismic
	EM302	EM2040	ResonT20	R2Sonic2022	EA400	GeoAcoustics 159	Edgetech 4200	Edgetech 4200-FS	Probe 5000	Chirp	IBlue Echo 3500	GeoSpark 200
Equipment Transmission Frequency (kHz)	30	200 300 400	200 to 400	200 to 400	38 200	114 410	100 400	300 600	3.5	2-16	1.7-5.5	0.5-2
Sound Pressure Level re 1 µPA in water @ 1 m distance from Source (dB)*	214	210	207	Not Available	206	223	210	210	142	Not Available	Not Available	See Spec sheet
R.V. Celtic Voyager (MI Vessel)	N	Y	N	N	Y	S	P	N	Y	N	N	Y
R.V. Celtic Explorer (MI Vessel)	Y	Y	N	N	Y	N	P	N	Y	N	Y	Y
R.V. Keary	N	Y	N	N	Y	N	S	P	N	Y	N	Y
R.V. Geo	N	N	Y	N	N	N	N	N	N	N	N	N
R.V. Tonn	N	N	N	Y	N	N	N	N	N	N	N	N