



Brief To ERVO Meeting **14th to 15th May 2009**

Geraint West [grw@noc.soton.ac.uk]

&

Roland Rogers [rxr@noc.soton.ac.uk]



**National Oceanography
Centre, Southampton**
UNIVERSITY OF SOUTHAMPTON AND
NATURAL ENVIRONMENT RESEARCH COUNCIL

www.noc.soton.ac.uk

Content

- **RV Code of Practice**
- **Revision of UNCLOS MSR Guidelines**
- **IMO MEPC Shipping Noise**
- **Underwater Noise Update**
- **EUROFLEETS – WP4**



**National Oceanography
Centre, Southampton**
UNIVERSITY OF SOUTHAMPTON AND
NATURAL ENVIRONMENT RESEARCH COUNCIL

www.noc.soton.ac.uk

RV Code of Practice



OSPAR CODE OF CONDUCT FOR RESPONSIBLE MARINE RESEARCH IN THE DEEP SEAS AND HIGH SEAS OF THE OSPAR MARITIME AREA

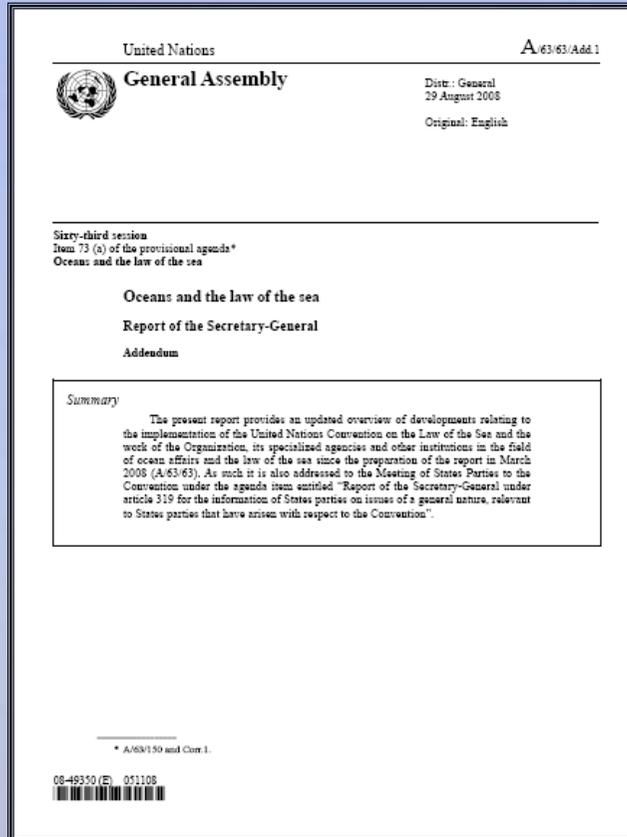
The code of conduct incorporates comments from the International Council for the Exploration of the Sea (ICES) and elements of the **International Research Ship Operators' Meeting Code of Conduct for Marine Scientific Research Vessels** proposed by the Marine Board of the European Science Foundation.

27th June 2008



RV Code of Practice

UN General Assembly – Report of Secretary General – Oceans and the Law of the Sea



106. Code of Conduct for Marine Scientific Research Vessels. At its twenty-first meeting, in October 2007, the **International Research Ship Operators' Meeting** adopted a Code of Conduct for Marine Scientific Research Vessels. The Code recommends, inter alia, that every vessel conducting marine science should develop a marine environmental management plan and should be operated in compliance with the International Safety Management Code. As stated in its conclusion, all anthropogenic activities have potential environmental impacts and the objective of the Code is to minimize those impacts while adopting a pragmatic approach that facilitates the conduct of marine scientific research.

29th August 2008



RV Code of Practice



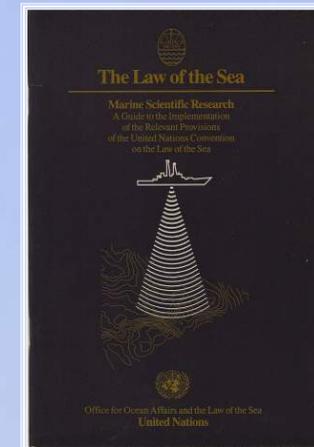
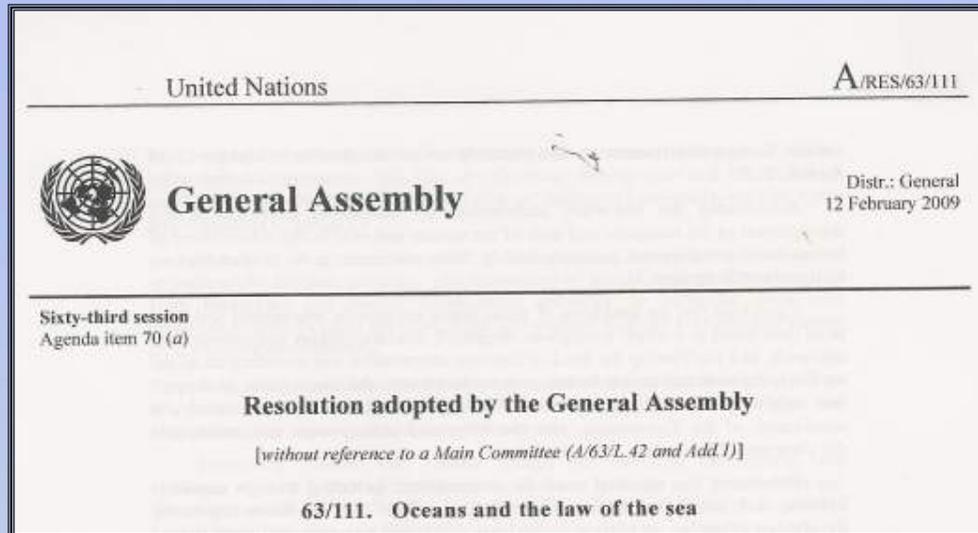
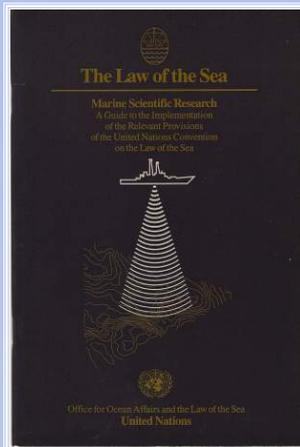
CONVENTION ON MIGRATORY SPECIES DRAFT RESOLUTION ON ADVERSE ANTHROPOGENIC MARINE/OCEAN NOISE IMPACTS ON CETACEANS AND OTHER BIOTA

Appreciating the OSPAR Code of Conduct for Responsible Marine Research in the Deep Seas and High Seas of the OSPAR Marine Area and **the ISOM Code of Conduct for Marine Scientific Research Vessels**; providing that Marine scientific Research is carried out in an environmentally friendly way using appropriate study methods reasonably available;

26th November 2008



Revision of UNCLOS MSR Guidelines



145. Notes the preparation by the Division of a revision of *Marine Scientific Research: A guide to the implementation of the relevant provisions of the United Nations Convention on the Law of the Sea*,⁵⁸ with the assistance of a group of experts to be convened in early 2009, and encourages States to support this endeavour;

Revision of UNCLOS MSR Guidelines

Group of Experts to revise and finalize the United Nations publication
 "Marine Scientific Research: A Guide to the Implementation of the Relevant Provisions of the United Nations Convention on the Law of the
 Sea"
 20 – 24 April 2009

PROGRAMME OF WORK*

All meetings are held in Conference Room 8

Monday, 20 April	Tuesday, 21 April	Wednesday, 22 April	Thursday, 23 April	Friday, 24 April
10 am – 1 pm <i>Agenda item 1 - Opening of the meeting</i> <i>Agenda item 2 - Adoption of the agenda</i> <i>Agenda item 3 – Organization of work</i> <i>Agenda item 4 – General comments on the draft revised guide</i> <i>Agenda item 5 – Consideration of the draft revised guide</i> (a) Current trends in research in the oceans	10 am – 1 pm <i>Agenda item 5 (contd.)</i> (c) Relevant provisions from other conventions (d) Practice of States and challenges in implementing the Convention	10 am – 1 pm <i>Agenda item 5 (contd.)</i> (e) Guidelines for implementation of the consent regime (cont'd)	10 am – 1 pm <i>Agenda item 5 (contd.) -</i> (f) Draft Standard Forms A, B and C	10 am – 1 pm <i>Agenda item 5 (contd.) - Consideration of revised draft</i>
3 pm – 6 pm <i>Agenda item 5 – Consideration of the draft revised guide</i> (a) Current trends in research in the oceans (b) Marine scientific research provisions in the Convention	3 pm – 6 pm <i>Agenda item 5 (contd.)</i> (d) Practice of States and challenges in implementing the Convention (cont'd) (e) Guidelines for implementation of the consent regime	3 pm – 6 pm <i>Agenda item 5 (contd.)</i> (e) Guidelines for implementation of the consent regime (f) Draft Standard Forms A, B and C	3 pm – 6 pm <i>Agenda item 5 (contd.) – Consideration of revised draft</i>	3 pm – 6 pm <i>Agenda item 5 (contd.) - Consideration of revised draft</i> Agenda item 6 – Other matters Agenda item 7 – Closure of the meeting

* The consideration of various agenda items may be advanced or postponed depending on progress in the discussions.



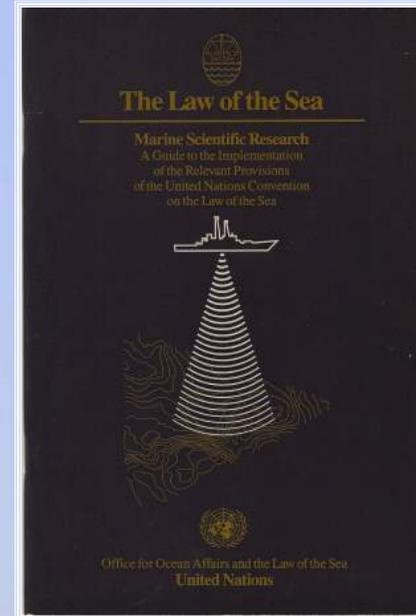
**National Oceanography
 Centre, Southampton**
 UNIVERSITY OF SOUTHAMPTON AND
 NATURAL ENVIRONMENT RESEARCH COUNCIL

www.noc.soton.ac.uk

Revision of UNCLOS MSR Guidelines

Board of Experts

Prof. Etty Roesmaryati Agoes Indonesia
Dr. Ehrlich Desa -IOC
Dr. Marius Diemont –South Africa
Dr. Alfonse Muhunira Dubi -Tanzania
Dr. Caroline Dublin-Green Nigeria
Dr. Kari Elsa Ellingsen - Norway
Mr. Ariel Walter Gonzalez – Argentina
Ms. Gwenaëlle Le Gurun - ISA
Dr. Lorna Inniss - Barbados
Mr. Elie Jarmache –ABELOS/France
Mr. Kazuhiro Kitazawa- Japan
Ms. Anna Knyazeva – Russian Federation
Mr. Bhaskar Rao - SOPAC
Mr. Roland Rogers – UK/ISOM
Prof. Mohammed Ahmed Said - Egypt
Dr. Vishnu Dutt Sharma - India
Dr. Paul Snelgrove - Canada
Prof. Bjørn Sundby - SCOR
Ms. Elizabeth Tirpak - USA
Dr. Elvira Velasquez - Peru
Dr. Haiwen Zhang - China



UN Secretariat

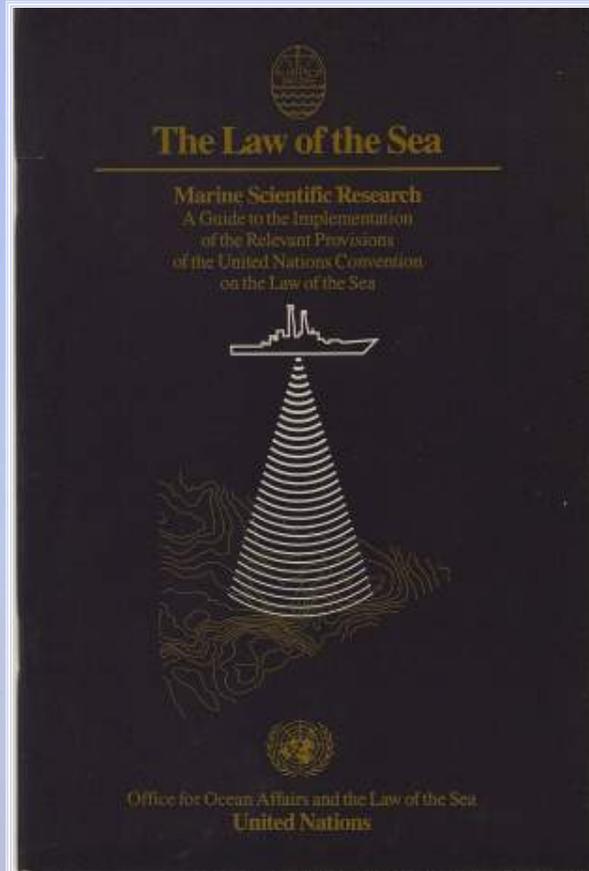
Ms. Gabriele Goettsche-Wanli, Officer-in-Charge, Division for Ocean Affairs and the Law of the Sea, Office of Legal Affairs
Ms. Alice Hicuburundi, Law of the Sea/Ocean Affairs Officer, Secretary
Ms. Charlotte Salpin, Law of the Sea/Ocean Affairs Officer, Deputy-Secretary
Ms. Vita Onwuasoanya, Associate Law of the Sea/Ocean Affairs Officer
Ms. Lin Wang, Associate Law of the Sea/Ocean Affairs Officer
Ms. Josie O. Velasco, Documents and Meetings
Ms. Simone Dempsey, Legal Assistant
Ms. Esperanza François, Legal Assistant



**National Oceanography
Centre, Southampton**
UNIVERSITY OF SOUTHAMPTON AND
NATURAL ENVIRONMENT RESEARCH COUNCIL

www.noc.soton.ac.uk

Revision of UNCLOS MSR Guidelines



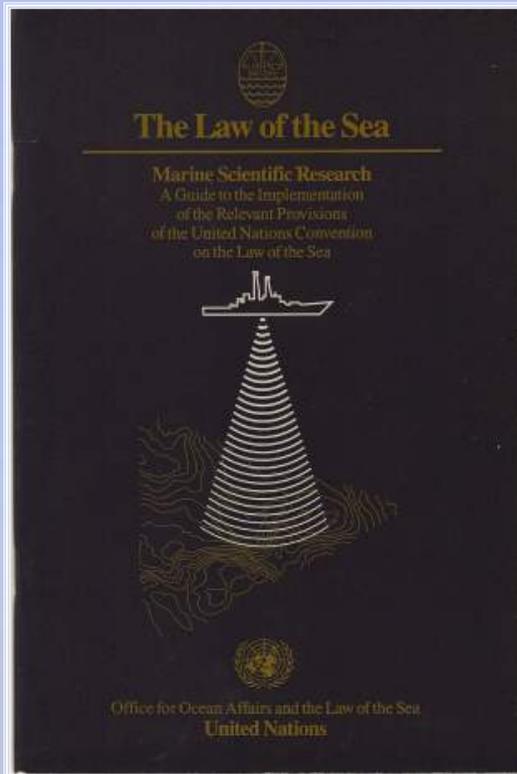
9. Even research platforms employed for marine data collection are often shared among scientific institutions and facilitated through voluntary organizations, such as the International Ship Operators group (ISOM),⁹ which meets regularly to consider community wide ship access, cooperative ship and facilities scheduling, standards for safety and research operations, funding and cost-accounting procedures. Although the global research fleet is now comprised of approximately 800 vessels from over 56 States,¹⁰ collaboration with communities outside the academic sector has made use of other opportunistic platforms for oceanographic data acquisition and instrument deployments. Some of these platforms include commercial cruise liners, petroleum rigs, cargo vessels, fishing charter vessels and recreational yachts.



**National Oceanography
Centre, Southampton**
UNIVERSITY OF SOUTHAMPTON AND
NATURAL ENVIRONMENT RESEARCH COUNCIL

www.noc.soton.ac.uk

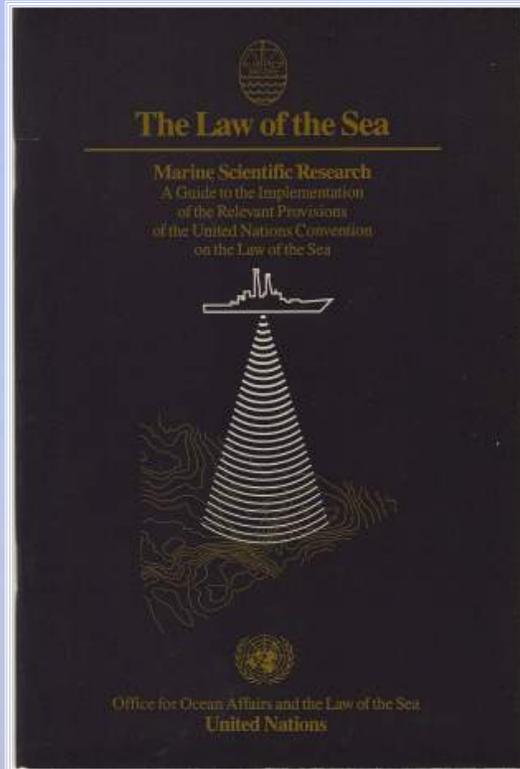
Revision of UNCLOS MSR Guidelines



149. *Minimizing impact to the marine environment and areas of ecological and/or cultural significance.* In recognition of the vulnerability of some marine ecosystems to disturbances resulting from marine scientific research, the research community has voluntarily established various codes of conduct to minimize their impact: Code of Conduct for Responsible Marine Research of the Commission for the Protection of the Marine Environment of the North-East Atlantic, InterRidge Statement of Commitment to Responsible Research Practices at Deep-Sea Hydrothermal Vents, the Society of Underwater Technology AUV Code of Practice, and mitigation measures related to the operation of acoustic instrumentation. For example, the Code of Conduct for Marine Scientific Research Vessels (ISOM),⁸⁷ states that “All anthropogenic activities have potential environmental impacts,” for example, oil spills, exhaust emissions, garbage/plastics disposal, sewage discharge, dredging grab & core sampling, seismic surveying, sub-bottom profiling, multibeam or single-beam surveying, tracer (dyes, fluorescent beads, SF6 etc.), seeding (CO₂ sequestration), chemical discharge – for example, hydraulic fluid leakage from ROV - release of radio-isotopes, cross-contamination of biological communities, and pollution resulting from loss of equipment – for example, batteries and instruments. The objective of the Code is to minimize these impacts, “while adopting a pragmatic approach that facilitates the conduct of marine scientific research”.⁸⁸



Revision of UNCLOS MSR Guidelines



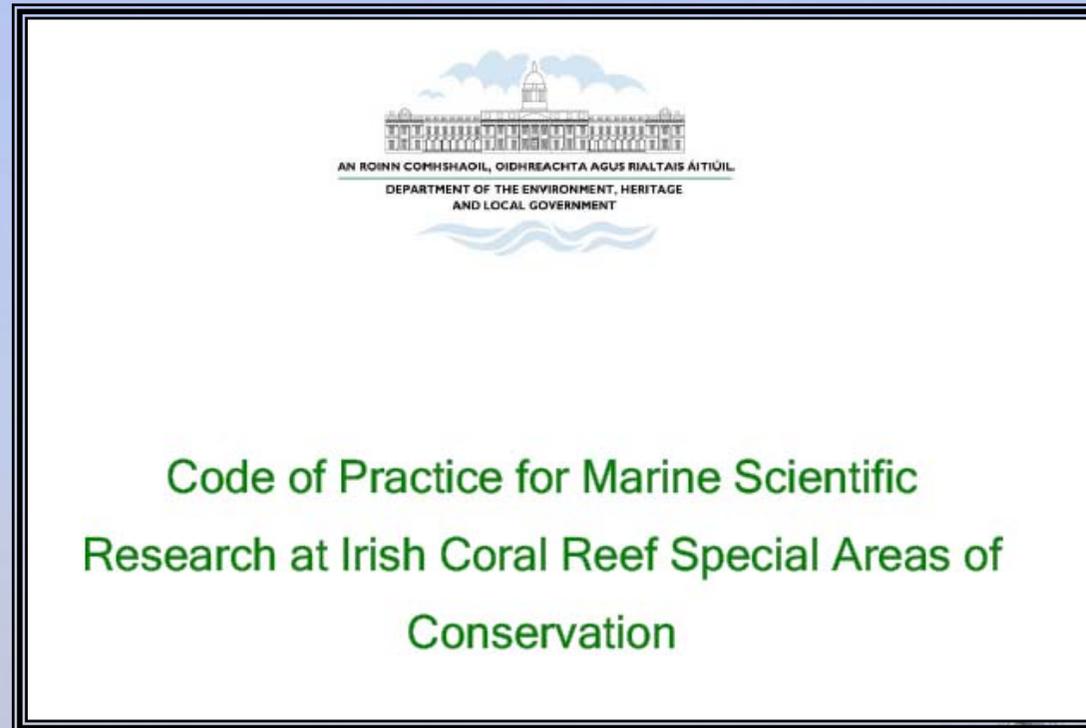
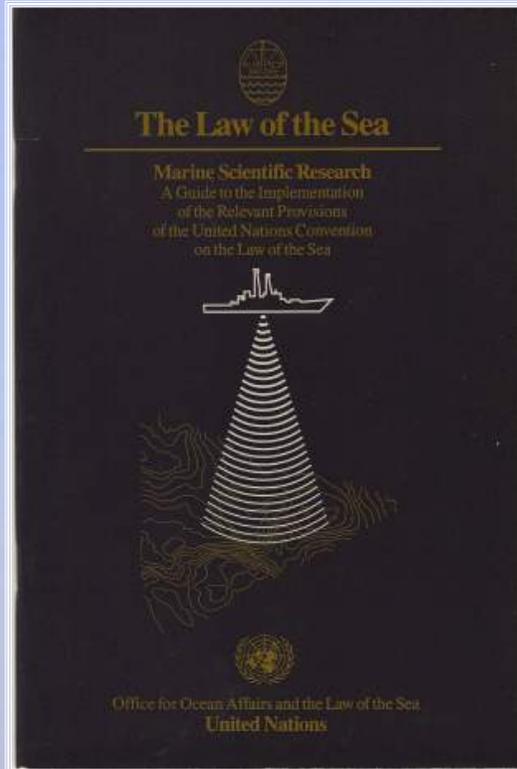
114. *Minimizing impact to the marine environment and areas of ecological and/or cultural significance.* In recognition of the vulnerability of some marine ecosystems to disturbances resulting from marine scientific research, the research community has voluntarily established various codes of conduct to minimize their impact.



**National Oceanography
Centre, Southampton**
UNIVERSITY OF SOUTHAMPTON AND
NATURAL ENVIRONMENT RESEARCH COUNCIL

www.noc.soton.ac.uk

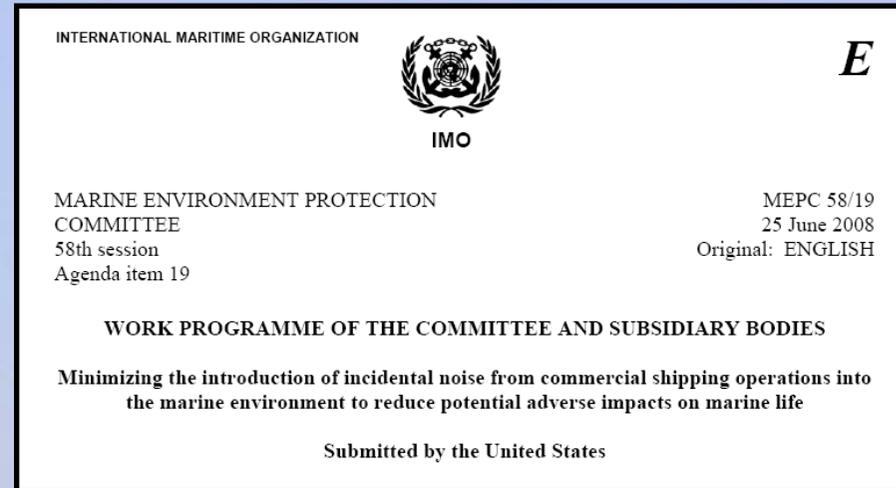
Revision of UNCLOS MSR Guidelines



IMO - MEPC Shipping Noise Correspondence Group

TORS of IMO/MEPC Noise Correspondence Group (CG)

- 1 Identify and address ways to minimize the introduction of incidental noise into the marine environment from commercial shipping to reduce the potential adverse impact on marine life, in particular develop non-mandatory technical guidelines for ship-quieting technologies as well as potential navigation and operational practices; and
- 2 Provide reports to the Committee [IMO/MEPC]



IMO - MEPC Shipping Noise Correspondence Group

IMO/MEPC Noise Correspondence Group (CG)

Lead by Lindy Johnson NOAA USA

Participating States as off 20081230

**Argentina, Bahamas, China, Germany, Italy, Japan, Liberia,
Marshall Islands, Panama, Republic of Korea, Singapore,
Sweden, The Netherlands, USA, UK**

Participating Organisations

**CLIA, CMS, FOEI, IACS, ICOMIA, ICS, IFAW, IMarEST,
INTERTANKO, ISO, IUCN, IWC, WWF**

IMO - MEPC Shipping Noise Correspondence Group

INTERNATIONAL MARITIME ORGANIZATION		E
MARINE ENVIRONMENT PROTECTION COMMITTEE 59th session Agenda item 19		MEPC 59/19 9 April 2009 Original: ENGLISH
NOISE FROM COMMERCIAL SHIPPING AND ITS ADVERSE IMPACTS ON MARINE LIFE Report of the Correspondence Group Submitted by the United States		
SUMMARY		
<i>Executive summary:</i> This document is the report of the Correspondence Group on the issue of "Noise from commercial shipping and its adverse impact on marine life", which was added to the Committee's agenda by MEPC 58 as a high priority item. The Correspondence Group is to identify and address ways to minimize the incidental introduction of noise from commercial shipping operations into the marine environment to reduce potential adverse impacts on marine life. The Committee assigned several sessions to this work and this is the first report from the Correspondence Group.		
<i>Strategic direction:</i> 1.7 and 13		
<i>High-level action:</i> 1.1.2		
<i>Planned output:</i> 1.1.2.3		
<i>Action to be taken:</i> Paragraph 9		
<i>Related documents:</i> Resolutions A.989(25), A.982(24), A.900(21), A.720(17), and A.468(XII); MSC/Circ.1014; MSC 84/INF.4; MSC 83/28; MEPC 58/19; MEPC 57/INF.2; MEPC 57/INF.4.		
Introduction		
1 MEPC 58 approved the inclusion of a new high priority item in the work program of the Committee on "Noise from commercial shipping and its adverse impact on marine life." A Correspondence Group was formed under the chairmanship of the United States to progress work on this issue. Several rounds of comments were exchanged. While the work is ongoing, this document summarizes the interactions and progress on this issue thus far. Member Governments were also invited by MEPC 58 to submit appropriate documents to MEPC 59 for its consideration.		
<small>For reasons of economy, this document is printed in a limited number. Delegates are kindly asked to bring their copies to meetings and not to request additional copies.</small>		
		
I:\MEPC\59\19.doc		

Renilson Marine Consulting Pty Ltd

REDUCING UNDERWATER NOISE POLLUTION FROM LARGE COMMERCIAL VESSELS

March 2009

Commissioned by

The International Fund for Animal Welfare



National Oceanography
Centre, Southampton
UNIVERSITY OF SOUTHAMPTON AND
NATURAL ENVIRONMENT RESEARCH COUNCIL

www.noc.soton.ac.uk

IMO – ISOM as a Participating Organisation

ISOM task Chair and Vice Chair to prepare briefing paper on benefits and issues of becoming IMO Participating Organisation - 2009

Chair/Vice Chair ISOM prepare paper 2009/2010

Paper presented at ISOM meeting 2010

ISOM adopt proposal [if then]

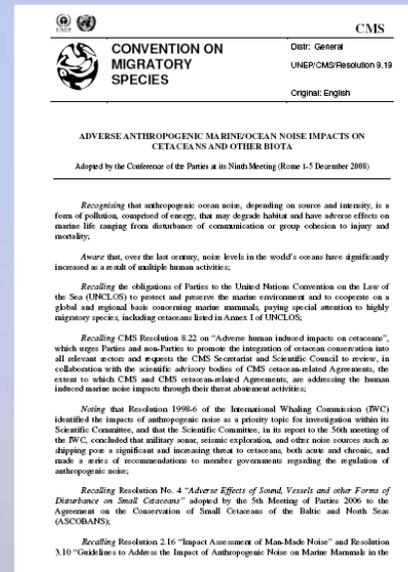
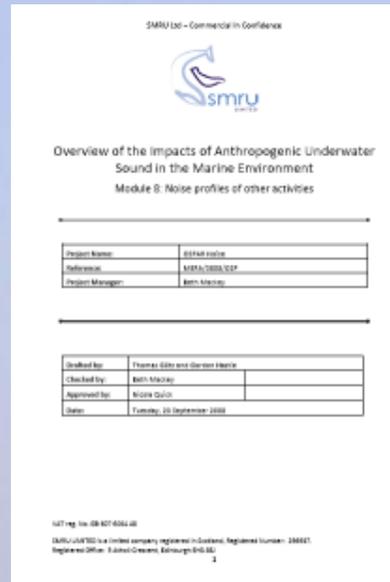
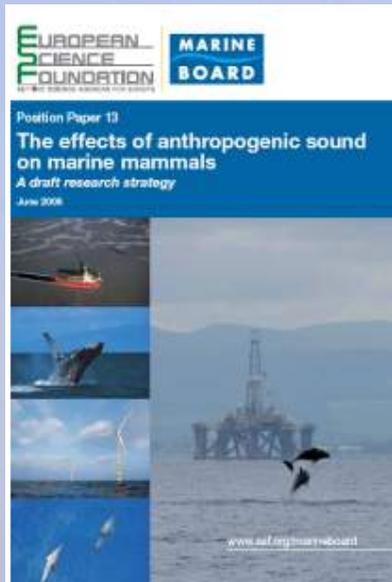
ISOM write to General Secretary IMO asking to apply

Application submitted to IMO – targeting specific IMO Committees [MEPC]

ISOM member get their IMO delegates to lobby in support of PO application

Underwater Noise Update

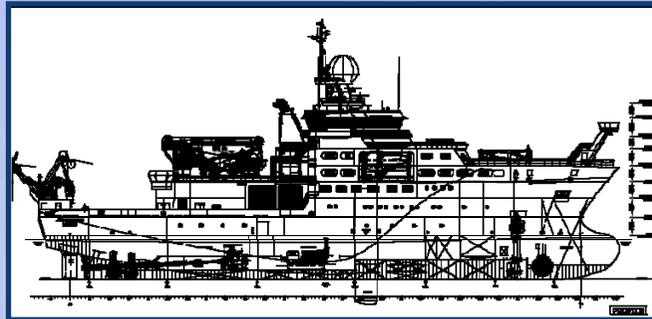
ESF Paper OSPAR Paper CMS Resolution



Eurofleets – WP3

4 year Program
(2009 – 2013)

0.5M Euros



Research Vessel - Life Cycle Assessment (LCA)
(M1-M12) (NERC, VLIZ, IOPAS, CNR, IFREMER)

Guidelines towards future new buildings and innovative eco-design for regional vessels
(M6- M30)
(VLIZ, CNR, IOPAS, IFREMER, IMS-METU)

Research Vessel Environmental Management Plan (M12-M24)
(NERC, IOPAS, IMS-METU, IFREMER)

Research Vessel Environmental Management System (M24-M40) (NERC, IOPAS, IMS-METU)



National Oceanography
Centre, Southampton
UNIVERSITY OF SOUTHAMPTON AND
NATURAL ENVIRONMENT RESEARCH COUNCIL

www.noc.soton.ac.uk