

## Resolutions 2006 involving Publications (Category 1)

**2006/1/FTC01** The report on the **Collection of Acoustic Data from Fishing Vessels**, edited by W. A. Karp (US), as reviewed and approved by the Chair of the Fisheries Technology Committee, will be published in the *ICES Cooperative Research Report* series. The estimated number of pages is 100.

The Study Group on Collection of Acoustic Data from Fishing Vessels (SGAFV) agrees to submit the final draft of the proposed publication by 31 January 2007.<sup>1</sup>

### Supporting Information

<b>PRIORITY:</b>	This has a high priority because the community lacks guidelines for collection of scientifically-useful acoustic data from fishing vessels, criteria for selection of suitable vessels, and guidelines for analysis of the resultant data. The collection of acoustic data from fishing vessels is occurring with increasing frequency as improvements in instrumentation take place and data collection demands cannot be met by the research vessel fleet.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	Action Plan No: 1.10, 1.13, 1.14, 4.10, 5.12 SGAFV Terms of reference:  a ) update, summarize and report on information on research which involves collection of scientific acoustic data from commercial vessels;  b ) develop recommendations for methods and guidelines for collection of acoustic data to address specific ecosystem monitoring, stock assessment and management objectives including: acoustic system calibration and performance monitoring, characterization of radiated vessel noise, comparability of results, survey design, biological sampling, data interpretation and analysis, and data storage and management; and  c ) prepare background material, guidelines, methods and recommendations for publication in the ICES Cooperative Research Report series.
<b>RESOURCE REQUIREMENTS:</b>	The material in the report is fairly straightforward, but approximately 6 quarter-page colour illustrations (echograms) and approximately 6 colour graphs will be required.
<b>PARTICIPANTS:</b>	SGAFV members are currently preparing final chapter drafts. This task and editing by SGAFV chair will require approximately four months. Completion before October 31, 2006 is projected.
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Cost of production and publication of a 100 page CRR.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	None explicit
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	None
<b>LINKAGES TO OTHER ORGANISATIONS</b>	Government and industry scientists in many member and affiliate nations are awaiting publication of this report

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<sup>1</sup> Extension of this deadline can be requested up to one month before the deadline's expiration. If an extension of the deadline is not agreed upon or if the final draft is not forthcoming, the ICES Secretariat will have the option of cancelling the resolution. This clause applies to all Category 1 Terms of Reference.

**2006/1/FTC02** The report on the **Acoustic Seabed Classification of Marine Physical and Biological Landscapes** edited by J. Anderson (Canada), V. Holliday (USA), R. Kloser (Australia), D. Reid (UK) and Y. Simard (Canada), as reviewed and approved by the Chair of the Fisheries Technology Committee, will be published in the *ICES Cooperative Research Report* series. The estimated number of pages is 220.

The Study Group on Acoustic Seabed Classification (SGASC) agrees to submit the final draft of the proposed publication by December 2006.

### Supporting Information

<b>PRIORITY:</b>	Acoustic remote sensing of the seabed characteristics for fish and shellfish habitat research and management is increasingly used in stock estimation, effects of fishing gears on benthic communities, ecosystem research and habitat protection and management. This is a new and rapidly evolving discipline of marine science that will contribute significantly to resource conservation and management for the foreseeable future.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	Action Plan Item 1.4, 1.4.3, 1.10, 1.12.5 - a Action Plan Item 5.4, 6.3 - b  The use of acoustics to remotely measure biological and physical characteristics of seabed habitats is a new and rapidly developing area of scientific research. Classification and mapping of marine habitats has been featured at Annual Science Conference theme sessions in 2000, 2002 and 2004. Several papers on this topic were published in the 2002 ICES Symposium on Acoustics in Fisheries and Aquatic Ecology. Scientific publications in the primary literature continue to increase as acoustic seabed classification (ASC) technologies make their way into marine research programs throughout the world. Results from these studies are now widespread and being incorporated into management processes. Other ICES groups and organizations are also interested in the development and standardization in this area of research. The terms of reference reflect the importance and timeliness of the Study Group on Acoustic Seabed Classification (SGASC).
<b>RESOURCE REQUIREMENTS:</b>	Publication of this material as a CRR will cost ca. 20 000 DKK. The material in the report is fairly straightforward, and therefore no specific additional costs are necessary.
<b>PARTICIPANTS:</b>	Approximately one month's work is required by the editor to finalise this draft.
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Cost of production and publication of a 220 page CRR.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	This product has been endorsed by ACE.
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	The work of SGASC is closely aligned with the work of WGFASST. This work is complementary to the work of the Marine Habitat Committee, in particular WGMHM.
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	-

**2006/1/OCC03** The **2005/2006 ICES Annual Ocean Climate Status Summary**, edited by P. Holliday (UK) and S. Hughes (UK), as reviewed and approved by the Chair of the Oceanography Committee, will be published in the *ICES Cooperative Research Report* series. The estimated number of pages is 35.

### Supporting Information

<b>PRIORITY:</b>	This draft resolution enhances the development of the IAOCSS, and makes it an official and citable ICES product.
<b>SCIENTIFIC JUSTIFICATION:</b>	Presently the IAOCSS is an Annex to the report of the WGOH, and is an ICES web product. As such it cannot be easily cited, or recognised as an official ICES publication. The Cooperative Research Report series offers a good venue for its annual publication.  This status report represents an annual assessment which can support the new advice format, providing regionally-based assessments of ocean climate in the ICES area.
<b>RELATION TO STRATEGIC PLAN:</b>	This resolution will contribute towards Scientific Objectives; 1a (Describe, understand and quantify the state and variability of the marine environment in terms of its physical chemical and biological processes.); 1b (Understand and quantify the role of climate variability and its implications for the dynamics of the marine ecosystems); 5c (Co-ordinate international, monitoring and data management programmes which underpin ongoing ICES core science.); 4c (To publicise the work of ICES and the contributions that ICES can make for its stakeholders, and for the wider public audience, regarding the understanding and the protection of the marine environment), and Institutional Objective 6 (Make ICES' scientific products more accessible to the public.)
<b>RESOURCE REQUIREMENTS:</b>	Cost of production and publication of a 35-page CRR
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation / publication. Final editing.
<b>FINANCIAL:</b>	
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	ACE, ACME, ACFM, Publications Committee
<b>LINKAGES TO COMMITTEES GROUPS:</b>	Oceanography Committee, REGNS
<b>LINKAGES TO ORGANISATIONS</b>	IOC, GLOBEC, OSPAR

**2006/1/OCC04** The report on **Zooplankton monitoring results in the ICES area: Summary Status Report 2005/2006**, edited by members of WGZE, as reviewed and approved by the Chair of the Oceanography Committee, will be published in the *ICES Cooperative Research Report* series. The estimated number of pages is 30.

The Working Group on Zooplankton Ecology (WGZE) agrees to submit the final draft of the proposed publication by 1 July 2007.

### Supporting Information

<b>PRIORITY:</b>	This draft resolution enhances the development of the plankton status report, and makes it an official and citable ICES product.
<b>SCIENTIFIC JUSTIFICATION:</b>	The Cooperative Research Report series offers a good venue for the annual publication of the Plankton Status Report, making it available to the scientific community as a citable publication. This status report represents an annual assessment which can support the new advice format, providing regionally-based assessments of plankton in the ICES area.
<b>RELATION TO STRATEGIC PLAN:</b>	This resolution will contribute towards Scientific Objectives; 1a (Describe, understand and quantify the state and variability of the marine environment in terms of its physical chemical and biological processes.); 1b (Understand and quantify the role of climate variability and its implications for the dynamics of the marine ecosystems); 5c (Co-ordinate international, monitoring and data management programmes which underpin ongoing ICES core science.); 4c (To publicise the work of ICES and the contributions that ICES can make for its stakeholders, and for the wider public audience, regarding the understanding and the protection of the marine environment), and Institutional Objective 6 (Make ICES' scientific products more accessible to the public.)
<b>RESOURCE REQUIREMENTS:</b>	Cost of production and publication of a 30 page CRR
<b>PARTICIPANTS:</b>	–
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	ACE, ACME, ACFM, Publications Committee
<b>LINKAGES TO COMMITTEES GROUPS:</b>	Oceanography Committee, REGNS
<b>LINKAGES TO ORGANISATIONS:</b>	IOC, GLOBEC, OSPAR

**2006/2/MHC05** The report on **Biological Criteria for dredged spoil disposal** as reviewed and approved by the Chair of the Marine Habitat Committee, will be published in the *ICES Cooperative Research Report* series. The estimated number of pages is 85. Silvana Birchenough. Editor

The Benthos Ecology Working Group (BEWG) agrees to submit the final draft of the proposed publication by the end of January 2007.

### Supporting Information

<b>PRIORITY:</b>	This has a high priority for various reasons. For example in Ireland there is increased commercial interest in the potential of marine mining which may require the formulation of appropriate regulatory mechanisms and it is intended that this be based on the most recently reviewed scientific studies carried out in this respect.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	Action Plan No: 10.3 and 8.4.  The forthcoming ICES Cooperative Research Report represents a synthesis of the most recent scientific work on Biological Criteria for dredged spoil disposal and is thus of Importance for managing agencies and ICES client organisations like EU, OSPAR and HELCOM.
<b>RESOURCE REQUIREMENTS:</b>	Publication of this material as a CRR will cost ca. 10 000 DKK. The material in the report is fairly straightforward, and therefore no specific additional costs are necessary.
<b>PARTICIPANTS:</b>	Approximately one month's work is required by the editor to finalise this draft.
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Publication costs.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	ACE
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	BEWG, WGEXT
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	

**2006/1/MHC06** The **Protocol for Extraction Methods for Bioassays** will be compiled by Dick Vethaak (Netherlands) and John Thain (UK). Following review and approval by the ICES Working Group on the Biological Effects of Contaminants (WGBEC) it will be submitted by M Gubbins (UK), the biological effects editor for approval by the Chair of the Marine Habitat Committee, for subsequent publication in the *ICES Techniques in Marine Environmental Sciences* series on Biological Effects of Contaminants. The estimated number of pages is 30.

WGBEC agrees to submit the final draft of the proposed publication by 31 May 2007.

### Supporting Information

<b>PRIORITY:</b>	This publication has high priority since common protocols are urgently needed for biological effects methods to ensure consistency and coordination of application of the technique across the ICES/OSPAR area and comparability of data to be submitted to the ICES database.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	<p>Protocols are needed for national and international programmes as well as the OSPAR programmes, particularly the OSPAR JAMP and CEMP. The protocols give standard guidelines on sampling and methodology. The protocols are required to be registered with ICES in order pertinent data can be submitted to the ICES database.</p> <p>A standardised protocol for bioassay extractions is required to ensure consistency of application between laboratories and member states and comparability of reported data for assessment purposes. Also these protocols are used as standard procedures for BEQUALM intercalibrations.</p>
<b>RESOURCE REQUIREMENTS:</b>	The material in the report is fairly straightforward, and therefore no specific additional costs are necessary. Publication is not expected to incur any unusual expense. Online publication of this TIMES method will reduce demand for hard copies.
<b>PARTICIPANTS:</b>	Compilers and contributors of the documents will be funded from within the institutes they are affiliated to.
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Cost of production and publication of a 30 page TIMES.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	ACME.
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	None.
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	OSPAR - WKIMON / SIME BEQUALM

**2006/1/MHC07**      **The protocol for conducting EROD determinations in flatfish**, compiled by M. Gubbins (UK) will be revised and re written and be reviewed and approved by the ICES Working Group on the Biological Effects of Contaminants (WGBEC) and submitted by M Gubbins (UK), the ICES WGBEC editor for approval by the Chair of the Marine Habitat Committee, for subsequent publication in the *ICES Techniques in Marine Environmental Sciences* series on Biological Effects of Contaminants. The estimated number of pages is 25.

The Working Group on Biological Effects of Contaminants (WGBEC) agrees to submit the final draft of the proposed publication by 31 January 2007.

### Supporting Information

<b>PRIORITY:</b>	This has a high priority insofar that standard protocols are required in order that monitoring techniques are applied in a co-ordinated fashion across the OSPAR area.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	Protocols are needed for national and international programmes as well as the OSPAR programmes, particularly the OSPAR JAMP and CEMP. The protocols give standard guidelines on sampling and methodology. The protocols are required to be registered with ICES in order pertinent data can be submitted to the ICES database. Also these protocols are used as standard procedures for BEQUALM intercalibrations.
<b>RESOURCE REQUIREMENTS:</b>	The material in the report is fairly straightforward, and therefore no specific additional costs are necessary.
<b>PARTICIPANTS:</b>	Compilers and contributors of the documents will be funded from within the institutes they are affiliated to. .
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Cost of production and publication of a 25 page TIMES.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	ACME.
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	None.
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	OSPAR - WKIMON / SIME BEQUALM

**2006/1/MHC08**      **The protocol for conducting Histology in Invertebrates**, compiled by B. Sundelin (SN) will be written and be reviewed and approved by the ICES Working Group on the Biological Effects of Contaminants (WGBEC) and submitted by M. Gubbins (UK), the ICES WGBEC editor for approval by the Chair of the Marine Habitat Committee, for subsequent publication in the *ICES Techniques in Marine Environmental Sciences* series on Biological Effects of Contaminants. The estimated number of pages is 30.

The Working Group on Biological Effects of Contaminants (WGBEC) agrees to submit the final draft of the proposed publication by 28 February 2007.

### Supporting Information

<b>PRIORITY:</b>	This has a high priority insofar that standard protocols are required in order that monitoring techniques are applied in a co-ordinated fashion across the OSPAR area.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	Protocols are needed for national and international programmes as well as the OSPAR programmes, particularly the OSPAR JAMP and CEMP. The protocols give standard guidelines on sampling and methodology. The protocols are required to be registered with ICES in order pertinent data can be submitted to the ICES database. Also these protocols are used as standard procedures for BEQUALM intercalibrations.
<b>RESOURCE REQUIREMENTS:</b>	The material in the report is fairly straightforward, and therefore no specific additional costs are necessary.
<b>PARTICIPANTS:</b>	Compilers and contributors of the documents will be funded from within the institutes they are affiliated to. .
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Cost of production and publication of a 30 page TIMES.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	ACME.
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	None.
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	OSPAR - WKIMON / SIME BEQUALM

**2006/1/MHC09 The protocol for measuring multi-drug / multi-xenobiotic resistance (MDR/MXR) in blue mussels by calcein am efflux**, will be compiled by Angela Kohler (Germany). Following review and approval by the ICES Working Group on the Biological Effects of Contaminants (WGBEC) it will be submitted by M Gubbins (UK), the biological effects editor for approval by the Chair of the Marine Habitat Committee, for subsequent publication in the *ICES Techniques in Marine Environmental Sciences* series on Biological Effects of Contaminants. The estimated number of pages is 30.

The Working Group on Biological Effects of Contaminants (WGBEC) agrees to submit the final draft of the proposed publication by 31 May 2007.

### Supporting Information

<b>PRIORITY:</b>	This publication has high priority since common protocols are urgently needed for biological effects methods to ensure consistency and coordination of application of the technique across the ICES/OSPAR area and comparability of data to be submitted to the ICES database.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	Protocols are needed for national and international programmes as well as the OSPAR programmes, particularly the OSPAR JAMP and CEMP. The protocols give standard guidelines on sampling and methodology. The protocols are required to be registered with ICES in order pertinent data can be submitted to the ICES database.  A standardised protocol is required to ensure consistency of application between laboratories and member states and comparability of reported data for assessment purposes. Also these protocols are used as standard procedures for BEQUALM intercalibrations.
<b>RESOURCE REQUIREMENTS:</b>	The material in the report is fairly straightforward, and therefore no specific additional costs are necessary. Publication is not expected to incur any unusual expense. Online publication of this TIMES method will reduce demand for hard copies.
<b>PARTICIPANTS:</b>	Compilers and contributors of the documents will be funded from within the institutes they are affiliated to. .
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Cost of production and publication of a 30 page TIMES.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	ACME.
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	None.
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	OSPAR - WKIMON / SIME BEQUALM

**2006/1/ACME10** The report on the **Ten-Year summary of National Reports 1992–2002**, edited by S. Gollasch (Germany), D. Kieser (Canada), D. Minchin (Ireland) and I. Wallentinus (Sweden), as reviewed and approved by the Chair of the Marine Habitat Committee, will be published in the *ICES Cooperative Research Report* series. The estimated number of pages is 100.

The Working Group on Introductions and Transfers of Marine Organisms (WGITMO) agrees to submit the final draft of the proposed publication by 2 May 2007.

### Supporting Information

<b>PRIORITY:</b>	This has a high priority for various reasons. This publication is essential to document recent unintentional movements of invasive and/or deleterious aquatic species including disease agents and parasites with the legitimate trade in species required for aquaculture, table market, ornamental trade, fishing and other purposes and to assess the potential of species moved intentionally to become a nuisance in the area of introduction. Commercial movements of organisms increase over time highlighting that a very high priority must be given to the development and implementation of precautionary actions to avoid unwanted impacts. Appropriate protocols are outlined in the Code of Practice.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	The first status report on introduced species in the North-Atlantic and its adjacent waters, prepared by WGITMO, appeared in 1980. The second Status Report of Introductions of Non-Indigenous Marine Species into North-Atlantic Waters 1981–1991 was published as ICES Cooperational Research Report No. 231 in 1999. This report is a continuation of the earlier efforts and summarizes species introductions as reported during WGITMO meetings 1992–2002. The work supports the core role of ICES in relation to planned introductions and transfers of organisms.
<b>RESOURCE REQUIREMENTS:</b>	Publication of this material as a CRR will cost ca. 10 000 DKK. The material in the report is fairly straightforward, and therefore no specific additional costs are necessary.
<b>PARTICIPANTS:</b>	Experts of WGITMO.
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Publication costs.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	This product has been endorsed by ACME.
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	This summary of introduced species in ICES Member Countries may be of interest of various ICES Working Groups.
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	The report should be of interest to REGNS. Further, the previously prepared summary of the years 1981–1991 was of interest to various organizations, such as HELCOM and OSPAR. It is therefore anticipated that those bodies will be interested in this summary as well.

**2006/1/ACME11** The report on the **Alien Species Alert: on *Undaria pinnatifida* (wakame or Japanese kelp)**, edited by I. Wallentinus (Sweden), as reviewed and approved by the Chair of the Marine Habitat Committee, will be published in the *ICES Cooperative Research Report* series. The estimated number of pages is 25.

The Working Group on Introductions and Transfers of Marine Organisms (WGITMO) agrees to submit the final draft of the proposed publication by 2 May 2006.

### Supporting Information

<b>PRIORITY:</b>	This report publications is of priority as awareness raising tools in biological invasions are of high interest. The continuous spread of <i>Undaria pinnatifida</i> is of particular concern due to the negative impacts of the species.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	The Species Alert Reports prepared by WGITMO Members reached high attention in various organizations and institutions as they support awareness against introduced species by especially highlighting unwanted impacts of introduced species.
<b>RESOURCE REQUIREMENTS:</b>	Publication of this material as a CRR will cost ca. 10 000 DKK. The material in the report is fairly straightforward, and therefore no specific additional costs are necessary.
<b>PARTICIPANTS:</b>	No other than the author.
<b>SECRETARIAT FACILITIES:</b>	Help with document preparation/publication. Final editing.
<b>FINANCIAL:</b>	Cost of production and publication of a 25 page CRR.
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	This product has been endorsed by ACME.
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	This alert report of introduced species in ICES Member Countries may be of interest of various ICES Working Groups.
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	The report should be of interest to REGNS. Further, the previously prepared species alert reports were of interest to various researchers and organizations. It is therefore anticipated that those bodies will be interested in this report as well.

**2006/1/LRC12**      **Results of the 2004 North Sea Cod and Plaice Egg Surveys**, edited by C. Fox (UK), as reviewed and approved by the Chair of the Living Resources Committee, will be published in the *ICES Cooperative Research Report* series. The estimated number of pages is 103.

The Planning Group on North Sea Cod and Plaice Egg Surveys in the North Sea [PGEGBS] agrees to submit the final draft of the proposed publication by 31 December 2006.

### Supporting Information

<b>PRIORITY:</b>	High.
<b>SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:</b>	<p>Action Plan: 1.2.1, 1.2.2, 1.8, 1.10</p> <p>Terms of reference a)</p> <p>The rationale for establishing a co-ordinated international North Sea ichthyoplankton survey in 2004 has been presented in the report of PGEGBS which met in IJmuiden from 24-26 June 2003. Detailed survey plans were presented in the report of the meeting in Kiel from 11-12 November 2003. Initial analysis of data took place at a meeting in Lowestoft, 10-12 May 2005 and results were presented at the 2005 ICES ASC, Aberdeen. Further data analysis took place at a workshop in Copenhagen, 22<sup>nd</sup>-24<sup>th</sup> Nov 2005. The data have been quality checked by the group and a report prepared.</p> <p>Term of reference b) and c)</p> <p>Monitoring spawning areas of main fish species has been recommended as a high priority for Ecosystem Based Approach to Management by the Bergen Declaration Meeting of Scientific Experts. The surveys conducted in 2004 is designed to initiate this process for the North Sea. However longer term monitoring will require evaluation and planning of what is feasible in the light of the results from the 2004 survey. The publication of the data report as an ICES CRR will disseminate the data as widely as possible. The CRR report is in addition to peer reviewed papers which are being prepared.</p>
<b>RESOURCE REQUIREMENTS:</b>	Secretariat support to get report into ICES format
<b>PARTICIPANTS:</b>	PGEGBS/ICES Publications
<b>SECRETARIAT FACILITIES:</b>	Electronic support
<b>FINANCIAL:</b>	Costs of publication
<b>LINKAGES TO ADVISORY COMMITTEES:</b>	
<b>LINKAGES TO OTHER COMMITTEES OR GROUPS:</b>	Living Resources Committee
<b>LINKAGES TO OTHER ORGANIZATIONS:</b>	