

**SECRETARIAT TASKS IN SUPPORT OF
THE SCIENTIFIC COMMITTEE FOR THE
1998/99 INTERSESSIONAL PERIOD**

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The following is a list of tasks for the 1998/99 intersessional period endorsed by the Scientific Committee (SC-CAMLR-XVII, paragraphs 13.11 and 13.12). The 'Reference to Reports' column contains pertinent paragraph numbers from reports of WG-FSA (F), WG-EMM (E) and the Scientific Committee (S). The paragraph number references in parentheses refer to supplementary information.

Scientific Committee

Deadline	Reference to Reports	Task	Collaborators
Fisheries status and trends:			
11-Oct-99	ongoing (F3.13 F4.1 F4.7 S5.20 S9.1 S9.5)	Update information on catches in the Convention Area and prepare catch statistics for preceding fishing season and split-year.	Members
Scheme of International Scientific Observation:			
15-Dec-98	F3.71 (S3.2)	Acknowledge the contribution by scientific observers in collecting data.	Technical Coordinators
15-Dec-98	F3.77 (F3.78 F9.16 F9.18 F9.19)	Request scientific observers to promote awareness of CCAMLR conservation measures.	Technical Coordinators
31-Dec-98	F3.61 (F3.60 F9.18 F9.19 S3.5)	Request vessel owners and captains to provide as much protection as possible for scientific observers against adverse weather conditions.	Members
01-Feb-99	F3.64 (F9.16 S3.5 S13.7)	Develop a stand-alone database for processing scientific observer data.	Members
01-Mar-99	F3.48 (F3.51-3.59 F9.18 F9.19 S3.5 S3.10)	Update and distribute scientific observer logbook forms following the review of observers' comments.	Observer Task Group
01-Mar-99	S3.14 (S3.13 C8.16)	Request scientific observers to collect factual data on sightings of fishing vessels during a fishing voyage.	Members
01-Apr-99	F3.62 (F9.16 S3.5)	Develop electronic forms and formats for the submission of scientific observer data.	Members
31-May-99	F3.57 (F3.48 S3.5)	Review logbook forms and guidelines for observations on board longline vessels and circulate revisions to the task group.	Dr G. Robertson (Australia) and Technical Coordinators
01-Aug-99	ongoing (F3.44 F9.16 S3.3)	Submit scientific observer data.	Members

Deadline	Reference to Reports	Task	Collaborators
Scheme of International Scientific Observation (continued):			
11-Oct-99	F3.61 (F3.60 F9.18 F9.19 S3.5)	Investigate the use of videophotography to provide scientific observers with a continuous view and record of line hauling.	Members
11-Oct-99	F3.70 (F3.65–3.69 F9.16 S3.5)	Evaluate and prioritise the workload of scientific observers.	Members
11-Oct-99	F9.16 (F3.76 S3.6)	Provide feedback on experience on the draft protocol method for estimating conversion factors.	Technical Coordinators
11-Oct-99	F9.18	Consider the potential of a CCAMLR workshop for technical coordinators.	Technical Coordinators
Cooperation with international organisations:			
01-Mar-99	E9.100 (S6.20 S11.24)	Assist with the preparation of a keynote paper for the ICES/SCOR Symposium on Ecosystem Effects of Fishing.	Dr A. Constable (Australia)
30-Jun-99	F7.182 (F7.180–7.181)	Liaise with the Convention on Migratory Species.	WG-IMALF
06-Jul-99	S10.14 (S10.12–10.13)	Participate in the Eighteenth Session of the Coordinating Working Party on Fishery Statistics.	
19-Jul-99	E10.1 (S6.19 S10.12–10.13)	Promote CCAMLR as a leading international organisation in the development and implementation of an ecosystem approach to fisheries management.	Members
19-Jul-99	S13.7	Seek suggestions for the analysis of IWC data on sightings of cetaceans.	Members
11-Oct-99	F7.170 (F7.137 F7.171–7.178)	Consider the FAO paper on a worldwide review of seabird by-catch in longline fisheries.	Mr J. Cooper (South Africa) and WG-IMALF
11-Oct-99	F7.186	Consider the report of the third meeting of the CCSBT Ecologically Related Species Working Group.	WG-IMALF
Publications:			
31-Dec-98	S12.3	Reply to the offer to publish short reviews of the scientific highlights from CCAMLR's work in the journal <i>Reviews in Fish Biology and Fisheries</i> .	Scientific Committee Chairman and Prof. T. Pitcher (Editor, <i>RFBF</i>)
01-Feb-99	S12.5	Investigate the feasibility of listing <i>CCAMLR Science</i> in <i>Current Contents</i> and establishing a link to <i>Science Citations Index</i> for ranking with other science journals.	
01-Mar-99	F9.6 (F9.16 S5.131)	Revise and publish the data reporting requirements for CCAMLR fisheries as a loose-leaf publication.	

Deadline	Reference to Reports	Task	Collaborators
Publications (continued):			
30-May-99	E11.5 (E9.26 E9.30 S4.23–4.24 S6.2)	Publish and circulate revised CEMP standard methods (A3B, F2 and F5).	
30-May-99	F5.14	Refine and publish a new CEMP standard method for monitoring coastal fish populations using pellets of the Antarctic shag (<i>Phalacrocorax bransfieldensis</i>).	Drs R. Casaux and E. Barrera-Oro (Argentina)
30-Jun-99	S12.13 (S12.11–12.12)	Revise the book <i>Understanding CCAMLR's Approach to Management</i> and precis the information to produce a brief publication summarising the work of the Scientific Committee for the benefit of the Commission.	
CCAMLR website:			
01-Mar-99	S14.6 (S14.3–14.5)	Disseminate copies of the SC-CAMLR-XVII report via the website.	
19-Jul-99	E11.8 (E13.10–13.16 E12.6 S10.15–10.22)	Continue work on the website, including the development of a standard format for summary information on Members' activities in relation to WG-EMM and WG-FSA.	Members
01-Sep-99	S10.22	Link the website to other agencies within the Antarctic Treaty System and to those of Members of the Joint Committee on Antarctic Data Management.	
Meeting arrangements:			
30-Nov-98	S13.10 (S13.12)	Plan intersessional work in support of the Scientific Committee.	Scientific Committee Chairman and Working Group Conveners
16-Jul-99	S11.26	Invite all observers who attended meetings of the Scientific Committee and working groups in 1998 to attend the meetings in 1999.	
19-Jul-99	E11.8 (E13.5–13.6 S5.136 S6.21)	Investigate the holding of thematic sessions at meetings of WG-EMM.	Members
01-Aug-99	S18.5 (S18.6)	Advise that future consideration of papers tabled for the Scientific Committee will be limited to matters requiring action or advice from the Committee.	Members
01-Sep-99	S14.2	Revise the cost of producing the working group reports in line with expenditure incurred in 1998.	
11-Oct-99	F10.7 (S13.16)	Submit drafts to the Secretariat in electronic format and be responsible for the initial editing and development of the report.	Rapporteurs
11-Oct-99	F7.4 (S4.35)	Review representation in WG-IMALF and facilitate attendance of as many Members as possible at meetings.	Members

Deadline	Reference to Reports	Task	Collaborators
Meeting arrangements (continued):			
11-Oct-99	F9.20	Report on the intersessional work of WG-IMALF to the next meeting of WG-FSA.	WG-IMALF
11-Oct-99	ongoing (S13.16)	Maintain a pro-active approach to the Secretariat's resources and keep under review the re-allocation of existing resources, or the addition of resources, to spread the Secretariat's workload and relieve pressure points during meetings.	

Working Group on Ecosystem Monitoring and Management

Deadline	Reference to Reports	Task	Collaborators
Ecosystem background information:			
12-Oct-98	E7.33 (F5.11)	Analyse data on by-catch of fish in krill fisheries and report to WG-FSA-99.	Members
01-Feb-99	E2.6 (E12.2 S2.4)	Submit information on krill fishing activities which may have taken place or are being planned in the Convention Area.	Ukraine, Canada, Uruguay, Panama, China
19-Jul-99	E10.1	Collect information on new scientific approaches and practical aspects of ecosystem monitoring and management in other parts of the world which might be incorporated into CCAMLR's management.	Members
19-Jul-99	E2.9 (S2.5-2.6)	Collect information on past and current market prices for krill and market strategies.	Members
19-Jul-99	E8.10 (E8.11 E12.3)	Investigate the decline of macaroni and gentoo penguins and black-browed albatrosses in Subarea 48.3.	Members
19-Jul-99	E8.15 (E12.3 S4.19)	Examine the relationship between penguin population sizes at CEMP study colonies at Marion Island and those of the entire area.	Dr R. Crawford (South Africa)
19-Jul-99	S6.12	Liaise with fishers to determine the manner in which fishing practices may be varied in local areas important to predators.	Members
11-Oct-99	F5.11 (F5.12 F9.16 S6.24)	Investigate practical aspects of deploying scientific observers on vessels fishing for krill and conduct pilot studies on sampling by-catch in the krill fisheries.	Members
Ecosystem data management:			
01-Feb-99	ongoing (E2.3 E12.2 S2.2)	Submit catch and effort data for krill fisheries in waters adjacent to the Convention Area.	Members
31-Mar-99	E9.27	Submit data (B4) for Cape petrels at Bouvet Island and Antarctic petrels at Svarthamaren.	Dr S.-H. Lorentsen (Norway)

Deadline	Reference to Reports	Task	Collaborators
Ecosystem data management (continued):			
31-Mar-99	E9.28 (S13.7)	Submit data on Antarctic petrel population size and breeding success (B5).	Drs J. van Franeker (Netherlands) and P. Hodum (USA)
30-Jun-99	E5.10 (E12.2 S4.14)	Update information and data on Members' CEMP activities.	Members
30-Jun-99	E5.9	Submit CEMP data from Admiralty Bay.	Dr R. Holt (USA)
30-Jun-99	ongoing (E2.4 E2.13 E12.2 S2.3 S3.1)	Submit all available data from krill fisheries in the Convention Area, including fine-scale data, haul-by-haul data and observer data.	Members
01-Jul-99	S13.7	Update CEMP data.	
19-Jul-99	E6.4 (E12.2)	Identify needs for oceanographic data to monitor the Indian Ocean Sector of Antarctic waters and encourage Ukraine to provide appropriate data.	Ukraine and other Members
19-Jul-99	ongoing (S13.7)	Manage and develop CEMP database.	
Ecosystem analysis and assessment:			
31-Jan-99	E7.11 (E12.3 S6.7)	Develop and archive a comprehensive set of documentation for the krill yield model.	
01-Feb-99	E7.19 (E12.2 E12.3)	Request further information on analyses linking krill density to variations in atmospheric pressure.	Ukraine
01-Feb-99	E7.22 (E12.3)	Collect information on the origin of krill in Area 58.	Members
01-Feb-99	E7.29 (E12.3 S6.12)	Develop a functional relationship between predators, krill and the fishery.	Members
31-May-99	E8.3 (E7.1–7.4 E8.4–8.7 E12.3 S6.15)	Automate the generation of ecosystem assessment summaries and CSIs.	Members
30-Jun-99	E5.1	Develop methodology that can take account of missing values in assessing CEMP anomalies.	Members
30-Jun-99	E5.1	Update calculations of CEMP indices.	
30-Jun-99	E7.28 (E7.29 E12.3 S6.11)	Investigate the performance of the Schroeder Index and Agnew–Phegan Index.	
19-Jul-99	E4.37 (E3.7 E12.2)	Investigate use of krill length-density data from local areas in estimating large-scale trends in absolute recruitment.	Members
19-Jul-99	E6.10 (E12.3)	Formulate and test ecosystem predictions arising from the anticipated influence of the 1997/98 El Niño.	Members

Deadline	Reference to Reports		Task	Collaborators
Ecosystem analysis and assessment (continued):				
19-Jul-99	E6.8	(E12.7)	Develop spatial indices to determine variability in the characteristics of polynyas.	Dr M. Naganobu (Japan)
19-Jul-99	E7.2	(E7.1 E12.3)	Establish the most appropriate statistical approach to the calculation of covariance matrices for CSIs.	Drs A. Constable (Australia) and I. Boyd (UK)
19-Jul-99	E7.21	(E7.20 E12.7 S6.9)	Carry out further analyses with regard to predicting krill recruitment.	Members
19-Jul-99	E7.32	(E12.3)	Continue work on the correlation of <i>Chamsocephalus gunnari</i> condition index with krill density in Subareas 48.1 and 48.3.	Dr Everson
19-Jul-99	E7.8	(S6.6 F5.15–5.16)	Develop multivariate approaches including exploration of the sensitivity of such analyses to CSIs.	Members
19-Jul-99	E8.17	(E8.18)	Develop a framework for evaluating the status on the ecosystem.	Members
19-Jul-99	E8.18	(E8.19 E8.17)	Develop advice for managing the ecosystem.	Members
19-Jul-99	E9.11	(E9.12 E12.3)	Investigate the statistical properties and robustness of the per capita recruitment (PCR) index for krill.	Members
19-Jul-99	S13.7		Develop indices of local krill availability.	Members
CEMP standard methods:				
30-Jun-99	E9.48	(E12.4 S6.3)	Develop methods for environmental indices F1, F3 and F4.	Members
19-Jul-99	E8.5	(E8.6 E9.18 E12.3 E12.4 S4.18–4.21)	Review Method A3.	Members
19-Jul-99	E9.21	(E5.6 E9.19 E9.20 E12.4)	Review Method A5.	Subgroup on Methods
19-Jul-99	E9.23	(E9.22 E12.4)	Review Method A6.	Subgroup on Methods
19-Jul-99	E9.29		Revise Methods C3 and C4.	Dr I. Boyd (UK)
19-Jul-99	E9.35	(E12.4 S4.26–4.30 S13.7)	Develop a standard method for recording the behaviour of birds at sea.	SCAR and Members
19-Jul-99	E9.38	(E9.37 S4.33)	Develop a technique for monitoring the abundance of crabeater seals at CEMP sites.	SCAR Group of Specialists on Seals

Deadline	Reference to Reports	Task	Collaborators
Synoptic survey of Area 48:			
01-Mar-99	F5.13 (S6.24)	Provide data collection plans to the survey planning workshop (March 1999).	Members
01-Mar-99	S4.25	Consider the opportunity to acquire simultaneous data on the distribution and abundance of marine mammals and birds during the forthcoming synoptic survey.	Members
30-Jun-99	E9.83 (E9.81 S5.14 S13.7)	Develop appropriate data storage formats for all core data and meta-data.	Dr J. Watkins (UK)
19-Jul-99	E9.84 (E9.86–9.89 E12.5 S5.11)	Plan the survey.	Drs J. Watkins (UK), R. Hewitt (USA) and M. Naganobu (Japan)
19-Jul-99	ongoing (S13.7)	Collect and log acoustic data without any noise removal or thresholding techniques.	Members
19-Jul-99	S13.7	Continue studies on species discrimination in acoustic surveys.	Members
30-Jun-00	E9.81 (E9.82 E9.83 S5.13)	Analyse core data from the survey.	Members

Working Group on Fish Stock Assessment

Deadline	Reference to Reports	Task	Collaborators
Fisheries data management:			
31-Dec-98	F3.19 (F4.134 F9.16 S5.71)	Resolve difficulties with the submission of haul-by-haul data from the Ukrainian fishery in Division 58.5.1.	Ukraine and France
30-Sep-99	S13.7	Develop methods for electronically submitting data.	
11-Oct-99	F3.40	Investigate the stock-recruitment relationship for <i>D. eleginoides</i> in areas where there has been substantial unregulated fishing and for which current yield estimates are low.	Members
11-Oct-99	ongoing (F9.16)	Process all available data from the split-year prior to the meeting, as well as, where possible, all available data from current fishing.	
11-Oct-99	ongoing (S13.7)	Manage and develop fishery databases.	
11-Oct-99	ongoing (F4.97)	Ensure that 'zero' catches are recorded in the data (C2) submitted to CCAMLR.	Members
11-Oct-99	ongoing (F3.12 F9.16 S5.24)	Collect and submit bathymetry data.	Members

Deadline	Reference to Reports	Task	Collaborators
Stock analysis and assessment:			
31-Jan-99	F4.114 (F4.89–4.90 F9.17 S5.53 F13.7)	Revise the procedure for extracting length-frequency data.	Profs C. Moreno and P. Arana (Chile)
30-Jun-99	F3.148 (F3.142 F3.146 F9.17 E7.10 E12.3 S5.36)	Establish a central repository of stock assessment programs, including their development, use and validation.	Members
30-Jun-99	F9.17 (S5.48 S6.16)	Document the history of stock assessments conducted by WG-FSA and WG-EMM.	
30-Jun-99	F9.17	Collect further information on <i>Dissostichus mawsoni</i> .	
31-Jul-99	S5.42 (S5.52)	Acquire appropriate software for conducting a variety of depletion analyses in time for the next meeting of WG-FSA.	
11-Oct-99	F3.146 (F3.148 F9.17 E7.9 E7.10)	Validate new and developing stock assessment programs, and submit tests and datasets so as to develop a library of validation procedures.	Members
11-Oct-99	F3.90 (F3.91–3.92 F9.17 S5.26)	Address the currency of stock assessments and the frequency of their revision.	Members
11-Oct-99	F4.110	Formulate management advice based on analyses of CPUE.	Members
11-Oct-99	F4.129 (F4.147 S5.66 S5.80 S5.84)	Verify recruitment estimates for <i>D. eleginoides</i> in Division 58.5.1 and Subareas 58.6 and 58.7.	Members
11-Oct-99	F9.10 (F9.17 S5.133)	Analyse biological data on <i>Champscephalus gunnari</i> in preparation for future workshop.	Members
11-Oct-99	F9.11 (F9.17 S5.134–5.138)	Undertake intersessional work on <i>Dissostichus</i> spp. including development of stock assessment and management advice.	Members and technical coordinators
11-Oct-99	F9.17	Quantify the catch of <i>Dissostichus</i> spp. in illegal and unregulated fisheries.	Members
11-Oct-99	F9.17 (F9.2 S5.130)	Identify the scope for a study on by-catch in trawl and longline fisheries for <i>Dissostichus</i> spp.	Members
11-Oct-99	S5.116 (F4.52)	Provide information on by-catch species, including <i>Macrourus carinatus</i> , in order to assess their potential yield in Subarea 88.1.	New Zealand and other Members
11-Oct-99	S9.38	Undertake further work on stock boundaries for <i>Dissostichus</i> spp.	Members
New and exploratory fisheries:			
30-Jun-99	F3.9 (F9.17)	Update estimates of seabed areas using high resolution (1 x 1 minute grid) bathymetry dataset.	Drs D. Sandwell and W. Smith (USA)

Deadline	Reference to Reports	Task	Collaborators
New and exploratory fisheries (continued):			
01-Sep-99	F7.105 (F7.102–104 F7.111 F7.199 F9.18)	Review the distribution of all seabirds known to be at risk of by-catch in longline fisheries in the Convention Area and provide a basis for future advice for new and exploratory fisheries.	WG-IMALF
11-Oct-99	F3.87 (F9.17)	Collect information on mesh/hook selectivity so as to estimate the potential range of catch rates in new and exploratory fisheries from observations made during surveys.	Members
11-Oct-99	F4.20	Investigate the properties of a proposed 'sliding scale' for biological sampling for <i>Dissostichus</i> spp.	South Africa
11-Oct-99	F4.40 (F4.78 F9.17 S5.25 S9.28 S9.48)	Conduct research surveys to estimate biomass of <i>Dissostichus</i> spp. during the early stages of development of new and exploratory fisheries.	Members
11-Oct-99	F4.64 (F3.119 S5.33)	Identify stocks of <i>D. eleginoides</i> based on gene flow studies.	Members
11-Oct-99	F9.17 (F4.51 S9.32)	Examine decision rules for by-catch species in new and exploratory fisheries.	Members
11-Oct-99	S7.10	Consider the effectiveness of by-catch regulations in the light of new observer information and ways in which by-catches on longlines can be quantified.	Members
11-Oct-99	S9.27 (F4.14–4.16 S9.11)	Summarise Members' notifications for new and exploratory fisheries in 1999/2000.	Members
11-Oct-99	S9.33 (S9.32)	Examine the merit of setting catch limits for fine-scale rectangles based on decision rules related to initial catch rates.	Dr K. Sullivan (New Zealand)
Fishery surveys and data:			
31-Dec-98	F3.6 (F3.144 F9.16)	Correct problems with the dates of samples taken and depth records within the UK survey dataset.	Drs P. Gasiukov (Russia) and I. Everson (UK)
31-Dec-98	F3.7 (F4.106 F9.16 S5.23 S5.135 S13.7)	Transfer all available survey data to the newly-designed research survey database.	Members
30-Jun-99	F3.104 (F9.16 S13.7)	Develop a central register of collections of <i>Dissostichus</i> spp. otoliths and scales.	Mr R. Williams (Australia)
11-Oct-99	F3.108 (F9.17)	Investigate the use of scales and otoliths for age determination of <i>Dissostichus</i> spp.	Members
11-Oct-99	F3.118 (S5.33)	Provide information on the movement of <i>D. eleginoides</i> based on tagging studies.	Prof C. Moreno (Chile)
11-Oct-99	F3.135	Examine further the relationship between estimates of the standing stock of <i>Gobionotothen gibberifrons</i> derived from offshore trawl surveys and trammel nets set inshore.	Dr E. Barrera-Oro (Argentina) and Mr C. Jones (USA)
11-Oct-99	ongoing (S13.7)	Manage and develop research survey database.	

Working Group on Incidental Mortality Arising from Longline Fishing

Deadline	Reference to Reports	Task	Collaborators
Members' research and development activities:			
01-Feb-99	F7.144 (S4.52)	Circulate technical diagrams of the reconfigured waste-pipe system of the <i>Koryo Maru 11</i> to assist other vessels with offal discharge problems.	Mr M. Purves (South Africa)
01-Feb-99	F7.150 (F7.151 S4.52)	Encourage the development of automated methods for adding and removing weights to the line, or the manufacture of longlines with weights incorporated within them.	Technical Coordinators and gear manufacturers
01-Feb-99	F7.155 (F7.162 F7.205 F9.18 S4.52 S13.7)	Request information on line-setting devices and the results of at-sea trials.	Members and Mustad company
01-Feb-99	S13.7	Request information on the use of artificial bait.	Members and Mustad company
01-Sep-99	F7.8 (F9.18 S4.37 S13.7)	Provide summaries of research programs into the status of albatrosses, giant petrels and <i>Procellaria</i> petrels.	France and other Members
11-Oct-99	F7.168 (F7.167 F7.191 F7.205 F9.18 S4.52)	Undertake research on the effects of line sink rates on seabird by-catch, and investigate bait taking by different seabird species in relation to bait depth, propeller wash turbulence and streamer lines.	Members
11-Oct-99	F7.53 (F9.18)	Assess the relative contribution that the 5-n-mile exclusion zone around Prince Edward Islands may have made to the reduction in by-catch rates between 1997 and 1998.	Dr P. Ryan and Mr M. Purves (South Africa)
Data acquisition and analysis:			
01-Feb-99	F7.121 (F7.135 F7.136 F7.204 S13.7)	Request advice on the nature and magnitude of the incidental mortality of seabirds from the Convention Area during longline fishing operations outside the Convention Area.	Members and Non-Contracting Parties
01-Feb-99	F7.24 (F9.18 S4.41)	Request detailed data on seabird by-catch collected by observers within the French EEZ in Division 58.5.1.	France
01-Aug-99	F7.200 (F7.22-7.24)	Submit data for longline fisheries in the Convention Area for comprehensive analysis and assessment	Members
01-Sep-99	F7.17 (F7.16 F7.59 F9.18 S4.40)	Undertake analyses of seabird by-catch data.	Members