

**SPECIFIC TASKS IDENTIFIED BY THE SCIENTIFIC COMMITTEE
FOR THE 2003/04 INTERSESSIONAL PERIOD**

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No.	Task	Reference to paragraphs in SC-CAMLR-XXII	Deadline	Action Required	
				Secretariat	Members
1.	Scheme of International Scientific Observation				
1.1	Revise the <i>Scientific Observers Manual</i> .	2.1, 2.8	February	Implement	
1.2	Electronic logbooks should become standard for all scientific observations on krill vessels.	2.1	February	Assist	Implement
1.3	Translate electronic logbooks into all official languages.	2.1	March	Implement	
1.4	Use the new observer report format in all fisheries in 2003/04.	2.2	Ongoing	Assist	Implement
1.5	Inform the Secretariat if a new species code is required, so that Secretariat may assign one.	2.5	Ongoing	Implement	Implement
1.6	Undertake a major review of the content and structure of the <i>Scientific Observers Manual</i> .	2.10	September	Coordinate	Participate
2.	Ecosystem monitoring and management				
2.1	Undertake tasks identified by WG-EMM.	Annex 4, Table 3	June	Implement	Implement
2.2	Analyse sources of variability in the CEMP indices and the consequences of such variability on the power to detect change on the full suite of indices.	3.9	June	Implement	Implement
2.3	Define the data requirements and analytical procedures required to evaluate the indices of krill availability derived from fisheries data.	3.10	June	Assist	Implement
2.4	Maintain a register of the wide range of non-CEMP time-series data that were of use to the CEMP Review workshop and of potential utility to future workshops in support of the work of WG-EMM.	3.14	June	Implement	
2.5	Develop an ordination approach whereby the nature of the covariation in multivariate CEMP indices could be described and presented on an annual basis.	3.21	June	Implement	
2.6	Continue work on developing methods to utilise CEMP data in making decisions on the status of the krill-centric ecosystem.	3.22	Ongoing	Assist	Implement
2.7	Revise the <i>CEMP Standard Methods</i> for the collection of tissue sample to be used to detect chemical indicators of metabolic stress and pollutants and determining fur seal pup growth rate (C2).	3.31	February	Implement	
2.8	Make further progress on the subdivision of the precautionary catch limit among SSMUs.	3.40–3.43, 3.72	June	Assist	Implement

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2.9	Implement the method for using the diet of Antarctic shags (<i>Phalacrocorax bransfieldensis</i>) to monitor the abundance of young life history stages of coastal fish species.	3.57	Ongoing	Assist	Implement
2.10	Submit time series of data of fish composition in the diet of Antarctic shags.	3.58	Ongoing	Assist	Implement
2.11	Refer the Management Plan for ASPA No. 145 to the Subgroup on Protected Areas for review during WG-EMM-04.	3.75	August	Assist	Implement
3.	Harvested species				
3.1	Undertake tasks identified by WG-FSA.	Annex 5, Table 12.1	September	Implement	Implement
3.2	Submit information on detailed plans for fishing for krill in the upcoming season.	4.6, 4.8, 4.14	June	Assist	Implement
3.3	Provide further details of fishing activities in the Reports of Members' Activities (optional).	4.9	September	Assist	Implement
3.4	Report krill catches by SSMU.	4.11	June	Implement	
3.5	Develop approaches to validate CEMP indices of krill availability based on fisheries information.	4.12	June	Assist	Implement
3.6	Examine the uncertainties associated with the acoustic estimates of biomass of <i>C. gunnari</i> and determine how these uncertainties may be incorporated into the assessments.	4.35–4.41	September	Assist	Implement
3.7	Explore potential options for reducing catches of immature <i>D. eleginoides</i> in Subarea 48.3 and implications for doing so, including restricting fishing in shallower depths.	4.44, 4.75	September	Assist	Implement
3.8	Develop validation procedures all data extractions and analytical procedures used in assessments.	4.48	September	Implement	Implement
3.9	Review and evaluate the entire process of estimating <i>D. eleginoides</i> recruitment from trawl surveys for use in assessments, including a variety of general analytical and interpretation issues.	4.49–4.55, 4.73	September	Assist	Implement
3.10	Take steps to substantially reduce total removals of <i>D. eleginoides</i> in Division 58.5.1 from 2003 levels.	4.82	December	Assist	Implement (France)
3.11	Submit papers to the next meeting of WG-FSA-SAM examining the effect of survey design of the estimation of recruitment of <i>D. eleginoides</i> .	4.86	June	Assist	Implement

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3.12	Members collecting data in a non-standard format should ensure that all by-catch data are transferred to the CCAMLR database.	4.141	Ongoing	Assist	Implement
3.13	Undertake further studies on skate survivorship.	4.143	September	Assist	Implement
3.14	Understand inter-vessel differences in by-catch which could be used to develop mitigation and avoidance measures for by-catch.	4.145, 4.149	September	Assist	Implement
3.15	Report data on by-catch as accurately as possible in all data formats (STATLANT data, haul-by-haul data, catch and effort reports).	4.147, 4.151	Ongoing	Assist	Implement
3.16	Observers should record the proportion of hauls/sets observed for both retained/discarded by-catch and cut off/lost by-catch, and the number of fish which are cut or lost from longlines.	4.152	Ongoing	Assist	Implement
3.17	Review the data requirements for fish and invertebrate by-catch and the priority tasks for observers in collecting this information.	4.153	September	Assist	Implement
3.18	When not retained for processing, all rajids should be cut from lines while still in the water where possible, except on the request of the observer during the observer's biological sampling period.	4.155	Ongoing	Assist	Implement
3.19	Report to the Secretariat on the methods or strategies of fishing that minimise non-target fish by-catch.	4.156	September	Assist	Implement
4.	New and exploratory fisheries				
4.1	In order to undertake exploratory fishing in subareas or divisions currently closed by conservation measures, Members will need to follow the procedures outlined in Conservation Measure 24-01.	4.169, 4.210	Ongoing	Assist	Implement
4.2	Carry out further tagging simulation studies in Subarea 88.1.	4.194	September	Assist	Implement
4.3	Review practicalities and possible research designs for carrying out a trawl survey on juvenile <i>Dissostichus</i> spp. in the Ross Sea.	4.194	September	Assist	Implement
4.4	Carry out simulation studies to determine optimal ways to direct fishing effort to achieve the necessary contrast in fishery and stock parameters that could lead to an assessment of <i>Dissostichus</i> spp. in Subarea 88.1.	4.194	September	Assist	Implement
4.5	Examine more appropriate SSRU by-catch levels in Subarea 88.1.	4.199	September	Assist	Implement
4.6	Review the research plan and data collection plans specified in Conservation Measure 41-01.	4.209	September	Assist	Implement

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5. Incidental mortality					
5.1	Undertake tasks identified by WG-IMAF.	Annex 5, Appendix E	September	Implement	Implement
5.2	Implement mitigating measures, trials of such measures and exchange of fishers, in relation to longline fisheries in the French EEZs in Subarea 58.6 and Division 58.5.1.	5.57	January	Assist	Implement (France)
5.3	Submit data on longline fishery operations in areas adjacent to the Convention Area.	5.57	Ongoing	Assist	Implement
5.4	Submit data on seabird population sizes, foraging ranges and provenance of by-catch.	5.57	September	Assist	Implement
5.5	Support international initiatives, especially IFF3 and ACAP.	5.57	Ongoing	Assist	Implement
5.6	Submit progress reports on the development and implementation of FAO NPOAs.	5.57	September	Assist	Implement
5.7	Take even more stringent measures to combat IUU fishing in the Convention Area in order to protect populations of seabirds at serious risk.	5.58	Ongoing	Assist	Implement
5.8	Request RFMOs, with competences in areas adjacent to the Convention Area, to take action in respect of mitigation of seabird by-catch.	5.58	January	Implement	
6. Additional monitoring and management issues					
6.1	Work with the Secretariat in order to improve presentation and develop standardised procedures for the analysis of marine debris data.	6.4	September	Implement	Implement
6.2	Submit information on marine debris on the CCAMLR standard reporting forms.	6.14	Ongoing	Assist	Implement
7. Management under conditions of uncertainty about stock size and sustainable yield					
7.1	Update the fishery plans.	7.1	Ongoing	Implement	
7.2	Submit data on the Spanish fishing operation in Area 51 outside the EEZs.	7.7	September	Assist	Implement (Spain)
7.3	Submit bathymetric data from Area 51 which would allow a better estimate of seabed area to be made.	7.10	September	Assist	Implement (Russia)

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8.	Secretariat supported activities				
8.1	Develop a plan for the storage of data from acoustic surveys.	12.8–12.10	June	Implement	Assist
8.2	Establish a tagging database for the receipt of tag data submitted by Members in a standard electronic format.	12.11	March	Implement	
8.3	Develop a flow chart illustrating the process for requesting and receiving data.	12.17	March	Implement	
8.4	Ensure that adequate security is provided to CCAMLR data and other information held on the meeting networks.	12.20	Ongoing	Assist	Implement (meeting organisers)
8.5	Submit, where possible, monthly catch and effort data for the fisheries were listed in Table 1 of SC-CAMLR-XXII/BG/7.	12.28	February	Assist	Implement
8.6	Examine descriptions of the krill fisheries during the 1970s which had been published in various BIOMASS reports.	12.28	March	Implement	
8.7	Prepare a paper for comment by WG-EMM and WG-FSA to support the Scientific Committee's decision on the guidelines for submission of papers to its meetings.	12.33	May	Implement	Working groups to consider
9.	Other tasks				
9.1	Inform the Scientific Committee and its working groups of relevant developments of FIRMS-FIGIS.	9.17	Ongoing	Implement	
9.2	Participate as observer in selected international meetings.	9.22	Ongoing	Implement	Implement
9.3	Develop a system of documentation and pro forma which would enable WG-FSA to maintain a complete archive of its assessments.	10.6	June	Implement	Assist