

**HISTORY AND TERMS OF REFERENCE
OF CCAMLR WORKING GROUPS**

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FORMATION OF WORKING GROUPS

The Second Meeting of the Scientific Committee in 1983 recognised the need for the formation of Working Groups when it established terms of reference for an *Ad Hoc* Working Group on Data Collection and Handling (Table 1) which met for two years. During the Third Meeting of the Scientific Committee, the terms of reference for an *Ad Hoc* Working Group on Fish Stock Assessment and an *Ad Hoc* Working Group on Ecosystem Monitoring were established. In addition, the Third Meeting also established an *Ad Hoc* Working Group on Krill research priorities which only met for one year.

2. At the Fourth Meeting of the Scientific Committee in 1985, terms of reference were developed for a permanent Working Group for the CCAMLR Ecosystem Monitoring Program (WG-CEMP). Although the *Ad Hoc* Working Group on Fish Stock Assessment was vital to the management of CCAMLR fisheries and met every year, it was not until the Sixth Meeting of the Scientific Committee in 1987 that terms of reference were established for a formal Working Group on Fish Stock Assessment (WG-FSA).

3. The Sixth Meeting in 1987 also established terms of reference for an *Ad Hoc* Working Group on Krill. These terms of reference were modified during the Scientific Committee's Seventh Meeting to establish a formal Working Group on Krill (WG-Krill).

WORKING GROUP TERMS OF REFERENCE

4. The terms of reference established for the three Working Groups are:

WG-FSA Terms of Reference (SC-CAMLR-VI, paragraph 5.71):

- (a) apply and develop methodologies for fish stock assessment, including:
 - (i) procedures for monitoring fish stock abundance and population structure;
 - (ii) protocols for the collection and analysis of fishery-related data including the relevant operations of the CCAMLR database;

- (iii) analytical procedures for the estimation of projections of fish stock population trajectories;
- (b) review and conduct assessments of the status and potential yield of fish stocks in the Convention Area;
- (c) evaluate the actual and potential impact of fish stocks and fisheries on the past, present and possible future management actions.

WG-CEMP Terms of Reference (SC-CAMLR-IV, paragraph 7.14):

- (a) to plan, recommend, coordinate and ensure the continuity of a multinational CCAMLR Ecosystem Monitoring Program within the Convention Area;
- (b) to identify and recommend research including theoretical investigations to facilitate design and evaluation of the recommended ecosystem monitoring program;
- (c) to develop and recommend methods for the collection and storage and analysis of data including data formats for submission to CCAMLR;
- (d) to facilitate the analysis of data, their interpretation and to identify management implications;
- (e) to report progress to each meeting of the Scientific Committee with recommendations for further work.

WG-Krill Terms of Reference (SC-CAMLR-VII, paragraph 2.26):

- (a) review and evaluate methods and techniques for estimating krill abundance, taking note of the effects of patchiness and the influences of the physical environment;
- (b) review and evaluate information concerning the size, distribution and composition of the commercial krill catches, including likely future trends in these catches;
- (c) liaise with the Working Group for the CCAMLR Ecosystem Monitoring Program for assessing any impact of changes in krill abundance and distribution on dependent and related species;

- (d) evaluate the impact on krill stocks and krill fisheries of current and possible future patterns of harvesting, including changes brought about through management action, in order that the Scientific Committee may formulate appropriate scientific advice on krill to the Commission;
- (e) report to the Scientific Committee on information and data, required from commercial krill catches.

Table 1:

Year	Location	Convener	Action
83/II	Hobart	-	Scientific Committee established terms of reference for <i>Ad Hoc</i> Working Group on Data Collection and Handling
84/III	Woods Hole	Hennemuth	Meeting of <i>Ad Hoc</i> Working Group on Data Collection and Handling
	Hobart	Hennemuth	Meeting and establishment of terms of reference for <i>Ad Hoc</i> Working Group on Fish Stock Assessment
	Hobart	Kerry	Scientific Committee established terms of reference for <i>Ad Hoc</i> Working Group on Ecosystem Monitoring
	Hobart	Beddington	Scientific Committee established <i>Ad Hoc</i> Working Group on Krill research priorities
85/IV	Hobart	Ranke	Meeting of <i>Ad Hoc</i> Workshop on Krill CPUE
	Hobart	Hennemuth	Meeting of <i>Ad Hoc</i> Working Group on Fish Stock Assessment
	Seattle	Kerry	Meeting of <i>Ad Hoc</i> Working Group on Ecosystem Monitoring
	Hobart	-	Scientific Committee established terms of reference and Working Group for the CCAMLR Ecosystem Monitoring Program
86/V	Hobart	Hennemuth	Meeting of <i>Ad Hoc</i> Working Group on Fish Stock Assessment
	Hamburg	Kerry	Meeting of Working Group for the CCAMLR Ecosystem Monitoring Program
87/VI	Hobart	Kock	Meeting of <i>Ad Hoc</i> Working Group on Fish Stock Assessment
	Dammarie les Lys	Kerry	Meeting of Working Group for the CCAMLR Ecosystem Monitoring Program
	Hobart	-	Scientific Committee established terms of reference and <i>Ad Hoc</i> Working Group on Krill
	Hobart	-	Scientific Committee established terms of reference and Working Group on Fish Stock Assessment
88/VII	Hobart	Kock	Meeting of Working Group on Fish Stock Assessment
	Hobart	-	Scientific Committee established terms of reference for Working Group on Krill No meetings of WG-Krill and WG-CEMP

From 1989 to 1993 all three Working Groups have met each year:

- WG-Krill in La Jolla (USA), Leningrad (Russia), Yalta (Ukraine), Punta Arenas (Chile) and Tokyo (Japan);
- WG-CEMP in Mar del Plata (Argentina), Stockholm (Sweden), Santa Cruz de Tenerife (Spain), Viña del Mar (Chile) and Seoul (Korea); and
- WG-FSA always in Hobart.

Table 2:

	Year	Number of Participants	Number of Meeting Documents	Number of Other Working Group Documents	Number of Other Documents	Number of Overlap Topics
WG-FSA	1992	21	32	1	7	2
	1993	21	29	4	6	6
WG-KRILL	1992	25	33	3	1	9
	1993	34	50	2	3	6
WG-CEMP	1992	17	55	15	2	18
	1993	28	29	21	3	28