



CCAMLR

COMM CIRC 07/18  
SC CIRC 07/04

Wednesday, 14 February 2007

## **Bioregionalisation Workshop (Brussels, Belgium, 13-17 August 2007)**

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**TO ALL MEMBERS OF THE COMMISSION  
AND THE SCIENTIFIC COMMITTEE**

**COMM CIRC 07/18  
SC CIRC 07/4**

14 February 2007

**Bioregionalisation Workshop  
(Brussels, Belgium, 13–17 August 2007)**

A letter from the Co-Conveners of the Bioregionalisation Workshop Steering Committee is attached. The letter contains information on the background and scope of the workshop, the types of expertise and data that will be required, and a call for the submission of data summaries and papers.

  
Dr D.G.M. Miller  
Executive Secretary

Attch.

## **CCAMLR Workshop on Bioregionalisation of the Southern Ocean (Brussels, 13–17 August 2007)**

*Dear Colleagues,*

We are pleased to provide further information on the CCAMLR Workshop on Bioregionalisation of the Southern Ocean, to be held in Brussels, Belgium, 13–17 August 2007. This document contains information on the background and scope of the workshop, the types of expertise and data that will be required for the workshop, and a call for papers.

### **Background**

The 2007 workshop is viewed as a next step in the progression of endeavours leading to the establishment of a system of marine protected areas (MPAs) harmonised for the protection of the Antarctic marine environment across the Antarctic Treaty System. The focus of the workshop will be on the technical development of methods for bioregionalisation of the Southern Ocean.

### **Objectives**

The aim of the workshop is to advise on a bioregionalisation of the Southern Ocean, including, where possible, advice on fine-scale subdivision of biogeographic provinces. The outcomes of this analysis will be specifically applied in the selection of a representative system of MPAs for the Southern Ocean.

The 2005 CCAMLR Workshop on MPAs noted that conservation outcomes appropriate for achieving the objectives in CCAMLR Article II would include the maintenance of biological diversity, as well as the maintenance of ecosystem processes. It was also noted that the process for establishing a system of protected areas will need to have regard for the objective of the Commission to achieve satisfactory fishery outcomes in terms of sustainable rational use. It was agreed that attention may need to be given to the protection of (SC-CAMLR-XXIV, paragraphs 3.54 to 3.56):

- (i) representative areas;
- (ii) scientific areas to assist with distinguishing between the effects of harvesting and other activities from natural ecosystem changes as well as providing opportunities for understanding of the Antarctic marine ecosystem without interference; and
- (iii) areas potentially vulnerable to impacts by human activities, to mitigate those impacts and/or ensure the sustainability of the rational use of marine living resources.

A further objective was considered to be:

- (iv) the protection of spatially predictable features (such as upwellings and fronts) that are critical to the function of local ecosystems.

Outcomes of the bioregionalisation analysis are most likely to be of relevance to the selection of representative areas, and areas containing features critical to ecosystem function (listed as (i) and (iv) above), with the overarching goal of maintaining biological diversity and ecosystem processes. However, bioregionalisation will also have relevance as a scientific foundation on which to base further analysis to identify scientific and vulnerable areas (listed as (ii) and (iii) above).

### **Scope of workshop**

- Geographic - The workshop analysis will focus on the CCAMLR Convention Area, with additional data from adjacent waters incorporated if relevant.
- Taxonomic - All taxa and trophic levels are to be considered for inclusion in the analysis, however decision rules may be necessary to determine which taxa (or species groups) are of most relevance.
- Habitat - Initial focus on pelagic and benthic systems as two separate levels of regionalisation.

### Expertise required

CCAMLR Members and CEP Members are requested to nominate individuals to participate in the workshop with technical / scientific expertise in the following areas:

- Bioregionalisation analysis and biogeographic classification
- Oceanography and remote sensing
- Ecosystem modelling and ecology
- MPA selection methods using bioregionalisation or biogeographic classification

Members are encouraged to coordinate nominations for participants between their CEP and CCAMLR representatives. Nominated participants may also include 'non-polar' technical experts, and Members are asked to send the names of any such experts to the co-conveners for consideration. Due to the focus on data and modelling and the associated computing requirements, the workshop will be limited to approximately 40 participants.

- *Deadline for notification of intention to participate in the workshop: **30 March 2007***
- *Deadline for nomination of participants: **1 June 2007** (~2 months before workshop, and prior to WG-EMM)*

### Data

Workshop participants, CCAMLR Members and CEP Members are invited to submit summaries of any datasets they wish to make available to the workshop, and to inform the workshop convenors on how these data are to be made available (i.e. submitted in advance of the workshop, or made available by participants at the workshop itself). These data may be for specific regions only, as most datasets are unlikely to have coverage for the entire Southern Ocean.

A brief data summary submission form is attached (Annex 1). This form is based on the online metadata submission form used by the SCAR Marine Biodiversity Information Network (SCAR-MarBIN: <http://www.scarmarbin.be>), with additional questions specific to CCAMLR requirements. Participants may already be familiar with the database network resource provided by SCAR-MarBIN, and we hope that this form will be of assistance to any data owners who might wish to submit metadata to SCAR-MarBIN in the future.

Annex 2 provides the rules for access and use of CCAMLR data. When submitting data summaries, please provide information on whether the data are available under the rules listed in Annex 2, and if so, please specify any constraints on data access and use.

Examples of data types that might be of use to the workshop analysis:

- Physical oceanographic data, including model outputs (some synoptic physical data, e.g. SST, sea ice concentration, bathymetry etc., are publicly available, and have been made available in usable formats through the WWF / ACE CRC bioregionalisation workshop)
  - Distribution and abundance of pelagic (including land-based) and benthic species and / or communities
  - Distribution of coastal breeding colonies for land-based predators
  - Ecosystem model outputs
  - Datasets used in the development of existing bioregionalisations (in synoptic form where possible to allow comparison of the results of different approaches)
  - Digital maps of existing bioregionalisations would also be of particular value to the workshop, to allow comparison of the results of different approaches.
- *Deadline for notification of potential data sets and their availability: **30 March 2007***
  - *Deadline for submission of data summaries: **1 June 2007** (~2.5 months before workshop, to allow initial collation of summaries and any preliminary analysis prior to WG-EMM, and to allow time for CEP Members to consider this request following CEP X).*

## Call for papers

Workshop participants, CCAMLR Members and CEP Members are invited to submit papers to the workshop on the following topics:

- Reviews of outcomes of bioregionalisation analyses or biogeographic classifications previously undertaken for the Southern Ocean, including how these correspond to current knowledge.
- Descriptions of data considered relevant to the workshop analysis
- Methods, statistical tools and other approaches to bioregionalisation (including new methods and reviews of methods previously developed or used elsewhere)
- Fine-scale bioregionalisation analyses undertaken for specific areas in the Southern Ocean.

Papers on the application of bioregionalisation outcomes in the selection of candidate areas for protection may also be of use, to be considered as part of a final plenary discussion on next steps and the organisation of future work.

If possible, workshop participants, CCAMLR Members and CEP Members are encouraged to submit titles and abstracts of planned papers to the workshop conveners *as soon as possible, and preferably by 30 March 2007*, to assist in finalising the workshop agenda.

- *Deadline for final submission of workshop papers: 30 July 2007 (i.e. not later than 2 weeks before workshop, to allow papers to be made available in advance on the workshop website)*

## SUMMARY OF DEADLINES

<b>30 March 2007</b>	<ul style="list-style-type: none"><li>• Notification of intent to participate in the Workshop</li><li>• Notification of potential datasets and their availability</li><li>• Submission of titles and abstracts of planned papers</li></ul>
<b>1 June 2007</b>	<ul style="list-style-type: none"><li>• Nomination of participants</li><li>• Submission of data summaries</li></ul>
<b>30 July 2007</b>	<ul style="list-style-type: none"><li>• Submission of papers</li></ul>

Please submit notifications of participation, data summaries, papers etc. to the Bioregionalisation Workshop co-convenors, Dr. Polly Penhale and Dr. Susie Grant, copied to Dr. Eugene Sabourenkov (CCAMLR Secretariat).

**Polly Penhale** – [ppenhale@nsf.gov](mailto:ppenhale@nsf.gov)

**Susie Grant** – [suan@bas.ac.uk](mailto:suan@bas.ac.uk)

**Eugene Sabourenkov** – [eugene@ccamlr.org](mailto:eugene@ccamlr.org)

We look forward to working with you further towards a successful workshop in Brussels. Please contact us if you require any further information.

Sincerely,

*Polly Penhale & Susie Grant*

(Bioregionalisation Workshop Steering Committee Co-Convenors)

Attachments:

Annex 1 – Form for submission of data summaries

Annex 2 – Rules for access and use of CCAMLR data

**CCAMLR Bioregionalisation Workshop**  
(Brussels, 13–27 August 2007)

**FORM FOR SUBMISSION OF DATA SUMMARIES**

Please return completed form(s) by email to the workshop convenors: [ppenhale@nsf.gov](mailto:popenhale@nsf.gov) and [suan@bas.ac.uk](mailto:suan@bas.ac.uk)

<b>GENERAL</b>	
Full name of the dataset	
Contact name	
Contact email address	
Institute	
Dataset date	
Abstract / description	
Keywords	
Basis of records	Fieldwork <input type="checkbox"/> Literature <input type="checkbox"/> Other <input type="checkbox"/> (please specify: )
Sampling method(s)	
Are the data available under the Rules for Access and use of CCAMLR data?	YES <input type="checkbox"/> NO <input type="checkbox"/> If no, please specify constraints on data access and/or data use:
Access to data	Prior to workshop <input type="checkbox"/> During workshop <input type="checkbox"/>
Format / software platform	
<b>TAXONOMIC</b>	
Taxonomic scope	
Total no. of spp. (approx)	
Type of data points	Presence <input type="checkbox"/> Counts <input type="checkbox"/> Biomass <input type="checkbox"/> Density <input type="checkbox"/> Other <input type="checkbox"/> (please specify: )
Other parameters measured	
<b>GEOGRAPHIC</b>	
Geographic scope	
Location keywords	[e.g. Ross Sea]
Coordinates	_____ Min lat. _____ Max lat. _____ Min lon. _____ Max lon.
Geographical resolution	
Total no. stations (approx)	
<b>TEMPORAL</b>	
Date of first record	
Date of last record	
Temporal resolution	
<b>REFERENCE</b>	
Preferred citation	
<b>COMMENTS</b>	

(this form is based on the SCAR-MarBIN dataset information submission form:  
<http://www.scarmarbin.be/submit.php>)

## **RULES FOR ACCESS AND USE OF CCAMLR DATA**

The following Rules for Access and Use of CCAMLR Data were adopted by the Twenty-Second Meeting of the Commission (CCAMLR-XXII, paragraphs 12.1 to 12.6)\*:

It is recognised that:

1. All data submitted to the CCAMLR Secretariat, and maintained by the CCAMLR Data Centre, shall be freely available to Members for analysis and preparation of documents for the Commission, Scientific Committee and their subsidiary bodies.
2. Such data may be analysed in respect of:
  - (a) work specifically outlined and endorsed by the Commission or Scientific Committee;
  - (b) work not specifically endorsed by the Commission or the Scientific Committee.
3. Inclusion of data, analyses or results from data held in the CCAMLR Data Centre into Working Papers, Background Papers, and any other documents tabled at meetings of the Commission, Scientific Committee or one of their subsidiary bodies does not constitute publication and therefore is not a release into the public domain.
4. Inclusion of data held in the CCAMLR Data Centre into the published reports of the Commission, Scientific Committee, Working Groups, *CCAMLR Science*, the *Statistical Bulletin* or any other CCAMLR publication constitutes release into the public domain.
5. Inclusion of data held in the CCAMLR Data Centre in any publication outside CCAMLR constitutes release into the public domain.
6. Subject to paragraphs (1) to (3), originators/owners of data have the right to:
  - (a) be consulted (including assignation of authorship) on the preparation, if necessary including publication, of documents describing analyses and interpretation of their data;
  - (b) approve the level of detail revealed in documents using their data;
  - (c) stipulate terms and/or levels of data security if necessary.

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\* These rules replace those adopted at the Eleventh Meeting of the Commission (CCAMLR-XI, paragraph 4.35). The current 'Rules for Access to CDS Data' (CCAMLR-XIX, paragraph 5.23) should remain in place alongside the new standard rules until such times as all aspects of CDS data handling are duly taken into account in the new standard rules (CCAMLR-XXII, paragraph 7.22).

Accordingly,

7. Requests to the Secretariat for access and/or use of data maintained by the CCAMLR Data Centre by individual Member scientists/officials shall be approved in writing as appropriate by that Member's Commission Representative, Scientific Committee Representative, or CDS Officer in consultation with the Commission Representative. Members are responsible for informing individual scientists or individuals requesting data of the rules governing access and use of CCAMLR data and for obtaining agreement to comply with such rules.

8. Requests in support of analyses endorsed under (2)(a) above should include the type of data requested, the degree of data aggregation required, the spatial and temporal detail required, and the anticipated format to be used in presenting results of the analyses. For such requests, the Secretariat shall ensure that each request meets the conditions of the approval granted for the original endorsement, and, if so, release the data and inform the data owner(s)/originator(s) accordingly. Release of data by the Secretariat to the requestor does not constitute permission to publish or release data into the public domain. Such permission remains a matter to be determined between the requestor and the data originator(s).

9. Requests in support of non-endorsed analyses under (2)(b) above should include the information listed in (8) as well as details of the analytical procedures to be used and the opportunity for data owner(s)/originator(s) to be involved. For such requests, the Secretariat shall be satisfied that each request contains the required information before forwarding it to the data originator(s) for approval within a specified time period. Once approval has been received the Secretariat shall release the data. Release of data does not constitute permission to publish or for release into the public domain. Such permission remains a matter to be determined between the requestor and the data owner(s)/originator(s).

10. If approval for data release under (9) is not forthcoming within the specified period, the Secretariat shall initiate and facilitate consultation between the data requestor and data owner(s)/originator(s). The Secretariat shall not release data without the written approval of the data owner(s)/originator(s). Failure to achieve agreement shall be brought to the attention of the Scientific Committee and Commission.

11. The following statement shall be placed on the cover page of all Working Papers, Background Papers and any other papers tabled at meetings of the Commission, Scientific Committee or their subsidiary bodies:

'This paper is presented for consideration by CCAMLR and may contain unpublished data, analyses, and/or conclusions subject to change. Data in this paper shall not be cited or used for purposes other than the work of the CCAMLR Commission, Scientific Committee or their subsidiary bodies without the permission of the originators and/or owners of the data.'