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TOWARDS A STRATEGY FOR THE CMS SCIENTIFIC COUNCIL

(Document prepared by Dr. Michael E. Moser)

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Towards a Strategy¹ for the CMS Scientific Council

Discussion Paper for Scientific Council Meeting
31 March to 3 April 2004, Glasgow, UK

1. INTRODUCTION

The 7th meeting of the Conference of the Parties to CMS (COP7) instructed the Scientific Council “to produce a strategy on its scientific and conservation work, taking into account the ecology of species listed in the CMS Appendices as well as the factors which may threaten or endanger migratory species, leading to clear priorities for action and including appropriate considerations of monitoring the implementation of such strategy”(Res 7.12). The 11th Meeting of the Scientific Council also recommended the convening of a workshop aimed at the development of the strategy, to be held before the 12th Meeting of the Council. In addition, Res 7.12 concluded that “a review of [the Scientific Council’s] working practice is desirable to optimise its productivity and capability to deal with the scientific and technical aspects of numerous issues relevant to the conservation and sustainable use of migratory species.”

Key drivers for a more strategic approach by the Scientific Council are the:

- Increase in numbers of species on the Appendices, demanding the attention of the Scientific Council;
- Increasing (understanding of the) gravity and complexity of threats facing migratory species;
- Inadequate availability of funding for conservation actions, leading to the need to make hard decisions on prioritisation;
- Growth in the numbers of Parties to the Convention, and thus Scientific Councillors; and
- Demand to coordinate effectively with other Conventions.

These trends imply that the Scientific Council must develop clearer priorities, improve the efficiency of its working practices, and have a means of evaluating the successes and failures of its own work.

2. THE SCIENTIFIC COUNCIL STRATEGY WORKSHOP, NOVEMBER 2003

In order to initiate the process to address Res. 7.12, a workshop was held on 27-28 November 2003 in Edinburgh (UK). The participants included:

- the Chairman (and previous Chairman) and Vice-Chairman of the Scientific Council;
- the COP appointed Councillors for aquatic mammals / large fishes, terrestrial mammals (represented by Dr R. Beudels-Jamar de Bolsee), and birds;
- the Chair of the the CMS Strategic Plan Working Group;
- representatives of the Secretariat and the CMS Information Management System; and
- Dr M. Moser (former COP appointed Councillor for Birds, and facilitator of the workshop).

The aims of the workshop were to:

1. Review and enhance the draft CMS Strategic Plan 2006-2011, as a basis for the development of the Scientific Council Strategy.
2. Consider what additional documents are required for a Scientific Council Strategy, and agree the format for such documents.

¹ The use of the terms “Strategy” and “Strategic Planning” in this document are taken to mean the process whereby the Scientific Council determines its long-term Goals and objectives, and plans and prioritises its activities in order to meet those goals.

3. Assess the conservation and scientific achievements of CMS, and identify priority activities for the Scientific Council with regard to the ecology of species listed in the CMS Appendices as well as the factors which may threaten or endanger migratory species.
4. On the basis of objectives 1,2 & 3 above, prepare the basis for a draft strategic programme for the Scientific Council for the period 2006-2011.
5. Consider the *modus operandi* of the Scientific Council, and make recommendations for enhancing the effectiveness of its work during 2006-2011 aimed at producing a preliminary version of the Scientific Council Strategy.

The workshop was successful in meeting all of these objectives, and the main outputs were as follows:

- Proposed amendments to the Goals and Operational objectives of the draft CMS Strategic Plan 2006-2011, so that this can serve the scientific and conservation needs of CMS, and provide the basis for the development of a Strategy Implementation Plan for the Scientific Council;
- A draft list of priority activities and planned outputs, including proposals to enhance the *modus operandi* of the Scientific Council that might be needed to deliver the priority activities; and
- An agreed format and process for the preparation of a Strategy Implementation Plan for the Scientific Council.

3. Review of the CMS Strategic Plan 2006-2011, as a basis for the Scientific Council's Strategy

The draft of the CMS Strategic Plan for 2006-2011 (version 3 October 2003) was reviewed by the workshop, to determine whether this provided an adequate basis for the development of the Scientific Council's own strategy. This Strategic Plan contains a number of high level Goals and Operational Objectives covering all aspects of the work of the Convention. The preamble to the plan states that it "*will be implemented by the Standing Committee, the Scientific Council, the Secretariat, and the Parties by the means of a three-year [work programme] [implementation plan] for each operational objective, with concrete targets to be prepared by the Standing Committee upon recommendations from the Scientific Council for adoption by the Conference of the Parties.*"

The workshop concluded that the Scientific Council should develop a Strategy Implementation Plan, within the framework provided by the CMS Strategic Plan. The workshop also concluded that the CMS Strategic Plan for 2006-2011 (version 3 October 2003) would be improved by the addition of a Mission Statement, providing a clear focus for all activities under the Convention, and that a number of improvements could be made to the proposed Goals and Operational objectives to make them more outcome-oriented. These changes were discussed with the Chair of the CMS Strategic Plan Working Group, and are included in the draft Strategy Implementation Plan (see Annex 1).

4. A Strategy Implementation Plan for the Scientific Council

Based on the above recommendations, the workshop discussed the priorities for the Scientific Council's work up to 2011. These build on the existing responsibilities and work of the Council, as well as resolutions and recommendations of the meetings of the COP, and priorities identified by the workshop participants. Since the workshop, these priorities have been further developed and incorporated into a first draft of a Strategy Implementation Plan, incorporating the expected results from each activity and a deadline (see Annex 1).

This is the first Strategy Implementation Plan to be adopted by the Scientific Council and, as such,

represents a major shift to a more ambitious, strategic, action-oriented and outcome-focused way of working. The Plan proposes a number of new tools and directions for the Scientific Council, as follows:

- a) The development of a number of new information documents
In order to provide better information for decision-making by the Convention, and making best use of the recent developments in information management capacity of CMS (notably the CMS Information Management System (CMS-IMS) and GROMS), the plan proposes the development of the following documents:
 - A *CMS Appendix I Candidate List*;
 - A *CMS Appendix II Candidate List*;
 - A *CMS Appendix I Actions for Recovery Table* (including a regular review of population status);
 - A *CMS Appendix II Agreements and MOUs Table*; and
 - A *List of CMS Research Priorities*.The proposed formats and contents for each of these tables is given in Annexes 2-6. Once approved, and populated with information, these will become rolling working documents, to be considered and updated at each meeting of the Scientific Council.

- b) A more evidence-based approach for decision-making
The plan proposes a number of scientific reviews of different taxonomic groups and threats to migratory species that will result in:
 - the Appendices being more comprehensive and scientifically sound; and
 - clearer priorities being defined for concerted, cooperative actions and research.

- c) More attention to Appendix I species
The plan proposes a number of measures to enhance CMS action for Appendix I species, including:
 - An aim to complete Appendix I by including all endangered migratory species, whether or not covered by a Party range state;
 - Measures to ensure that Appendix I species receive legal protection throughout their range;
 - Measures to ensure that the Critical Sites required by Appendix I species throughout their range are identified and receive legal protection; and
 - Measures to ensure that all Appendix I species are covered by Action Plans (prepared by CMS or other specialised body), or at least Review Reports (in the first instance).

- d) Habitat loss and fragmentation
The plan proposes to adopt a number of new measures to give enhanced attention to issues concerning habitat loss and degradation, which is perceived to be the greatest threat to many migratory species. These include:
 - measures to protect the Critical Sites used by Appendix I species;
 - identification of the networks of sites used by Appendix II species; and
 - measures to address threats to habitats, including through cooperation with other Conventions and initiatives.

- e) Synergy
The plan proposes greater scientific cooperation between the Scientific Council, the CMS Agreements, and the technical bodies of other conventions and initiatives.

- f) Monitoring and Evaluation
A number of measures are included to improve the feedback on successful implementation of the Plan and the Convention. These include:
 - An evaluation of implementation of the Plan to the COP every three years;
 - A regular assessment of the effectiveness of the Convention's Agreements and MOUs in conserving species on Appendix I and II;
 - A regular assessment of the status of species on Appendix I; and

- Development of a set of outcome indicators, both as a contribution to WSSD, and to measure the overall effectiveness of the CMS.

5. A NEW *MODUS OPERANDI* FOR THE SCIENTIFIC COUNCIL

This is the first Strategy Implementation Plan to be adopted by the Scientific Council and, as such, represents a major shift to a more strategic and outcome-focused way of working (as requested by Resolution 7.12). The Strategy Implementation Plan aims to greatly improve the *modus operandi* of the Scientific Council, by promoting more efficient ways of working, by defining precise Activities, Expected Results and Deadlines. In addition, it is proposed that an evaluation of the implementation of the Plan is submitted to each COP. As such, the plan has the potential to be a major step forward not just for the Council, but for the whole Convention.

However, successful implementation of the Plan will require increased commitment from Scientific Councillors (and their nominating authorities), and will require an effective integration with other organs of the Convention. In particular, it will require both the Secretariat and the Contracting Parties to further develop their own planning and activities. In considering these issues, the workshop identified a number of matters that require addressing. These include:

- Lack of capacity within the Secretariat to ensure the continuity of inter-sessional activities (follow-up of concerted actions, preparation of MOUs etc, linking with focal points, Contracting Parties, Ministers etc.). This requires a review both of the Secretariat's delivery mechanisms (structure), as well as the absolute resources available;
- The current working of the Scientific Council is too centralised, and innovative solutions are required to address this. The appointment of further regional focal points or regional sub-groups could help greatly with the above. However, these are very costly and should only be done according to need;
- Current funding for work of the Scientific Council is inadequate. The new Strategy Implementation Plan should therefore be used as a lever/shopping list for an Action Fund bid to the COP and other donors;
- There needs to be better communication / cooperation between regional and taxonomic focal councillors. An explicit definition of tasks is required, such that regional appointed Councillors play a stronger role in the inter-sessional period, and provide more advice to the taxonomic appointed Councillors;
- A mechanism is required to fill the current lack of expertise on fishes on the Council; and
- Options should be examined to improve inter-sessional coordination between Council members, to allow for better preparation of COPs and ScC meetings.

6 DECISIONS REQUIRED AT ScC12

1. Approve the concept of the Scientific Council Strategy Implementation Plan.
2. Comment on the content and priorities of the draft Strategy Implementation Plan, in particular the new targets (eg "completion" of the Appendices, protection measures for Appendix I species etc, reviews of the effectiveness of cooperative actions (including Agreements and MOUs)).
3. Use the draft plan to develop a "shopping list" of priority actions to be submitted to COP8.

4. Approve the formats for the new information tables described in Annexes 2-6, and decide on a procedure for developing the content of the Tables.
5. Agree the schedule of Expected Results, and plan activities for ScC13 and ScC14 (see Annex 7).
6. Discuss and decide upon outstanding issues concerning the *modus operandi* of the Scientific Council.
7. The following table suggests a timetable for the preparation of the Scientific Council's Strategy Implementation Plan. Key issues to consider are: a) whether this schedule is compatible with the schedule for completion of the CMS Strategic Plan; b) whether this schedule allows adequate time for completion of the work; and c) whether there are adequate opportunities for input by the full Scientific Council.

Proposed timetable for preparing the ScC Strategy Implementation Plan

| Deadline | Actions | Responsible |
|----------|---|-----------------|
| 02/04/04 | Review of the 2 nd draft by ScC.12, and further work by the taxonomic and regional Councillors during the meeting. | All Councillors |
| 15/05/04 | Incorporation of comments and preparation of 3 rd draft | |
| mid 2004 | Presentation of progress to the Standing Committee | ScC Chairman |
| COP8 | Submission of ScC Strategy Implementation Plan to ScC13 for adoption and COP8 for noting | Secretariat |

7. LIST OF ANNEXES

- Annex 1. Draft CMS Scientific Council Strategy Implementation Plan 2006-2011
- Annex 2. Proposed contents/format for *CMS Appendix I Candidate List*.
- Annex 3. Proposed contents/format for *CMS Appendix II Candidate List*.
- Annex 4. Proposed List of Contents for CMS Appendix I Actions for Recovery Table
- Annex 5. Proposed format for *CMS Appendix II Agreements and MOUs Table*
- Annex 6. Proposed format for *List of CMS Research Priorities*
- Annex 7. Work plan for future meetings of the Scientific Council, based on the Strategy Implementation Plan

Annex 1

CMS Scientific Council Strategy Implementation Plan 2006-2011

Introduction

This Strategy Implementation Plan describes the contribution that the CMS Scientific Council will make to the implementation of the CMS Strategic Plan for 2006-2011² and is a response to COP Resolution 7.12. The proposed activities are based upon, and structured under, the Goals and Operational objectives [to be] adopted for the CMS Strategic Plan by COP8, which seek to address the [proposed] mission of CMS, which is:

To conserve migratory species, particularly those species which have an unfavourable conservation status, and that endangered migratory species are returned to favourable conservation status, and that major threats to migratory species are controlled or mitigated.

The specific functions of the Scientific Council are defined in the text of the Convention, and can be summarised as:

- providing scientific advice to the Conference of the Parties, and all other bodies of the Convention, including Agreements;
- recommending and evaluating research on migratory species;
- making recommendations as to the migratory species to be included in Appendices I and II;
- making recommendations as to specific conservation and management measures to be included in Agreements on migratory species; and
- recommending solutions to problems relating to the scientific aspects of the implementation of CMS, in particular with regard to the habitats of migratory species.

This is the first Strategy Implementation Plan to be adopted by the Scientific Council and, as such, represents a major shift to a more strategic and outcome-focused way of working. The major changes are:

1. The development of a number of strategic rolling documents to summarise key information for decision-making by the Convention, including a regular review of the status of species on Appendix I.
2. Improved scientific integrity of the conventions Appendices (taxonomy and completion).
3. Enhanced attention to species on Appendix 1 (particularly legal status).
4. Enhanced attention to issues concerning habitat loss and fragmentation.
5. Greater scientific cooperation between the Scientific Council and CMS Agreements, and with the technical bodies of other conventions.

Each Activity is designed to be measurable, with a defined deadline, so that progress can be assessed at each meeting of the Scientific Council. It is recommended that evaluations of the implementation of this plan be presented to the ninth and tenth meetings of the COP.

² In order to plan for this period, some activities for 2004 and 2005 are also included.

| GOAL 1: ALL ENDANGERED MIGRATORY SPECIES ARE PROTECTED AND BENEFIT FROM CONSERVATION ACTIONS TO RETURN THEM TO FAVOURABLE CONSERVATION STATUS (Appendix I species (Art III)) | | | |
|---|--|--|--|
| No. | Scientific Council Activity | Expected Result and Deadline | Progress Tracker |
| Operational Objective 1.1: To ensure that migratory species, which are endangered, are listed in Appendix I | | | |
| 1.1.1 | Undertake or commission scientific reviews of the main taxonomic groups of migratory species, to identify outstanding candidate species for listing on Appendix I (based on the criteria defined in CMS Res. 5.3). This process should also clarify the level of completion required with respect to already listed populations / partial listings. | ScC14 Aquatic mammals review assessed ScC14 Terrestrial Mammals review assessed ScC14 Birds review assessed ScC14 Bats review assessed ScC16 Fishes review assessed ScC16 Invertebrates (Butterflies) review assessed | Marine turtles: Appendix I Listing is complete |
| 1.1.2 | Using the results of activity 1.1.1, and following review by the Scientific Council, prepare and maintain a list of species which meet the criteria for listing on Appendix I (see CMS Res. 5.3), but which have not yet been listed. This list, which should be prioritised according to the IUCN Categories of Threat, should become known as the <i>CMS Appendix I Candidate List</i> , and should become a regular working document of the Scientific Council. | ScC12 Concept/format for List approved ScC14 1st additions to the List approved ScC16 List reviewed and updated | |
| 1.1.3 | Support Contracting Parties (particularly developing countries) to prepare and submit standard proposals for listing of species that are on the <i>CMS Appendix I Candidate List</i> , using CMS-IMS, GROMS and IUCN Red Lists as information resources. The objective should be to add these species to Appendix I at the earliest opportunity. Species should be prioritised according to their IUCN Category of Threat. | ScC15 Listing proposals reviewed/submitted to COP9 for >50% of species on List ScC17 Listing proposals reviewed/submitted to COP10 for >50% of species on List | |
| 1.1.4 | Review Appendix I to identify any candidate species for de-listing (ie. species that are either not migratory or no longer endangered). Formulate a proposal to the COP to remove these species from Appendix I. De-listing is less urgent than work to identify urgent candidates for addition to the Appendix. | ScC14 Results of review received, and list of species approved ScC15 De-listing proposals submitted to COP9 | |
| Operational objective 1.2: All species included in Appendix I receive adequate immediate protection. | | | |
| 1.2.1 | On the basis of information provided from the CMS-IMS, the ScC should receive and review at each of its inter-sessional meetings a matrix-table showing the legal protection status of every species on Appendix I in each range State (including non-Party states). This table should become a working document of the Scientific Council, and will be incorporated within the <i>CMS Appendix I Actions for Recovery Table</i> (see Activity 4.3.1) | ScC12 Concept/format for Table approved ScC13 1st draft of Table considered and Rec. submitted to COP8 ScC14 Table reviewed ScC15 Table reviewed and Rec. submitted to COP9 ScC16 Table reviewed ScC17 Table reviewed and Rec. submitted to COP10 | |

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| 1.2.2 | On the basis of material provided from the CMS-IMS, the ScC should receive and review at each of its inter-sessional meetings a matrix-table showing the legal protection status of every Critical Site for any species on Appendix I in each range State (including non-Party states). Such sites should be listed in the <i>CMS Appendix I Actions for Recovery Table</i> (see also Activities 3.2.1 and 3.2.2). | ScC12: Concept/format for Table approved ScC13: 1st draft of Table reviewed ScC14 Table reviewed ScC15 Table reviewed and draft Rec. submitted to COP9 ScC16 Table reviewed ScC17 Table reviewed and draft Rec. submitted to COP10 | |
| 1.2.3 | On the basis of the results of activities 1.2.1 and 1.2.2, the Scientific Council should prepare for each COP a Recommendation identifying those Contracting Parties (and non-Party states) in which further measures are required to provide adequate legal protection for any Appendix I species and/or its Critical Sites (in some regions these should already be covered by existing international designations). This list should also be communicated to relevant daughter Agreements and partner Conventions and NGOs to ensure synergistic actions (particularly the provision of assistance to developing countries). | ScC13 Rec. submitted to COP8 ScC15 Rec. submitted to COP9 ScC17 Rec. submitted to COP10 | |
| Operational Objective 1.3: To prioritise Appendix I species for concerted action, and to identify priority conservation activities in collaboration with relevant stakeholders. | | | |
| 1.3.1 | Prepare a prioritised list of Appendix I species for concerted action according to their IUCN Category of Threat, as well as the feasibility of achieving positive conservation outcomes. Include with this list a record of all concerted actions so far undertaken by CMS and others. This information should be included in the <i>CMS Appendix I Action for Recovery Table</i> . | ScC12 Concept/format for Table approved ScC13 Prioritised list approved | |
| 1.3.2 | Review the availability of action plans for all Appendix I species, including format, dates of preparation and review, source, comprehensiveness / adequacy. Include this information in the <i>CMS Appendix I Action for Recovery Table</i> , and make appropriate recommendations to meetings of the COP. | ScC12 Concept/format for Table approved ScC14 Review completed and information included in Table ScC15 Rec. submitted to COP9 ScC16 Table reviewed ScC17 Rec. submitted to COP10 | |
| 1.3.3 | Prepare new Action Plans (prioritised according to threat status), according to the CMS format, for the protection and recovery of all Appendix I species that do not yet have one, to identify key priorities and provide a framework for concerted action and evaluation. Where information or resources are lacking, a review report (preliminary action plan (See Res 3.2)) should be prepared as a first step. | ScC14 Prioritised list of species requiring action plans approved, deadlines and owners agreed | |

| Operational Objective 1.4: To promote effective conservation actions for all species listed in Appendix I, in collaboration with relevant stakeholders, according to an agreed list of priorities. | | |
|---|---|--|
| 1.4.1 | Submit a prioritised programme of concerted action recovery projects for Appendix I species to each meeting of the COP for funding, which meet priorities identified in scientific reviews or Action Plans. Where necessary, assistance should be provided, particularly to developing countries to prepare project proposals. Such proposals will only be considered if submitted for consideration at the previous inter-sessional meeting of the ScC. | ScC13 Prioritised list of proposals submitted to COP8 ScC14 Project proposals received for review ScC15 Prioritised list of proposals submitted to COP9 ScC16 Project proposals received for review ScC17 Prioritised list of proposals submitted to COP10 |
| 1.4.2 | Continue to support concerted actions for Appendix I species, even if these are covered by an Agreement, through joint work plans with the relevant Agreement secretariats (eg. Siberian Crane, Slender-billed Curlew) | ScC13 Rec. to COP8 for cooperation mechanism ScC14 Work plans for cooperation between ScC and Agreement Secretariats determined ScC16 Achievements reviewed |
| Operational Objective 1.5: To review the success of conservation activities | | |
| 1.5.1 | Undertake a thorough strategic review of the scientific integrity of Appendix I for consideration at every 3 rd COP (starting with COP9). This review should include the following items: a review of the status of the Appendix (level of completion); review of the principles and procedures for listing or de-listing; adoption of changes to the taxonomic reference systems (stable reference systems for nomenclature should be maintained between such reviews). | ScC13 TOR and procedure for review agreed ScC14 Results of review considered ScC15 Rec. submitted to COP9 ScC17 Progress reviewed |
| 1.5.2 | Through the CMS-IMS, the Scientific Council will report to each meeting of the COP on the population status (size and range) of all Appendix I species, using the most up to date information available. This will be achieved by means of a standardised report (included within the <i>CMS Appendix I Action for Recovery Table</i>). Methods will be developed to show clearly whether the status of each species is stable, increasing or declining. | ScC14 Methodologies for reporting approved ScC15 Report agreed for submission to COP9, with Rec. ScC16 Report reviewed ScC17 Report agreed for submission to COP10, with Rec. |
| 1.5.3 | Through the <i>CMS Appendix I Action for Recovery Table</i> , the Scientific Council will report to each meeting of the COP on the legal protection status (species and Critical Sites in each range state) of all Appendix I species, using the most up to date information. | ScC14 Methodologies approved ScC15 Reporting agreed for submission to COP9, with Rec. ScC16 Reporting reviewed ScC17 Reporting agreed for submission to COP10, with Rec. |

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| 1.5.4 | Through the CMS-IMS, the Scientific Council will report to each meeting of the COP on the concerted actions being undertaken for all Appendix I species, using the most up to date information, by means of a standardised report (included within the <i>CMS Appendix I Action for Recovery Table</i>). | <p>ScC14 Methodologies for reporting approved</p> <p>ScC15 Report agreed for submission to COP9, with Rec.</p> <p>ScC16 Report reviewed</p> <p>ScC17 Report agreed for submission to COP10, with Rec.</p> | |
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| GOAL 2: ALL MIGRATORY SPECIES WITH AN UNFAVOURABLE CONSERVATION STATUS BENEFIT FROM APPROPRIATE CONSERVATION AND MANAGEMENT MEASURES (Appendix II species (Art. IV)) | | | |
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| No. | Scientific Council Activity | Expected Result and Deadline | Progress Tracker |
| Operational objective 2.1: To ensure that Appendix II reflects accurately those migratory species with an unfavourable conservation status and which require international agreements for their conservation and management, as well as those which have a conservation status which would significantly benefit from international co-operation. | | | |
| 2.1.1 | Undertake a strategic scientific review, by taxonomic group, to identify those migratory species and groups of species with an unfavourable conservation status that would significantly benefit from new CMS Cooperative Actions, including Agreements. | ScC14 Aquatic mammals review assessed ScC14 Terrestrial Mammals review assessed ScC14 Birds review assessed ScC14 Bats review assessed ScC16 Fishes review assessed ScC16 Invertebrates (Butterflies) review assessed | |
| 2.1.2 | Using the results of activity 2.1.1, and following review by the Scientific Council, prepare and maintain a list of species which meet the criteria for listing on Appendix II, but which have not yet been listed. This list, which should be prioritised according to the IUCN Categories of Threat, should become known as the <i>CMS Appendix II Candidate List</i> , and should become a regular working document of the Scientific Council. | ScC12 Concept/format for List approved ScC14 1st additions to the List approved ScC16 List reviewed and updated | |
| 2.1.3 | Support Contracting Parties (particularly developing countries) to prepare and submit standard proposals for listing of species that are on the <i>CMS Appendix II Candidate List</i> , using CMS-IMS, GROMS and IUCN Red Lists as information resources. The objective should be to add these species to Appendix II at the earliest opportunity, <u>at most</u> within 3 years of their addition to the <i>CMS Appendix II Candidate List</i> . | ScC17 Listing proposals reviewed and submitted to COP10 for >50% of species on List | |
| 2.1.4 | Undertake a review of species and groups of species that are currently listed on Appendix II to identify candidates for de-listing (ie. they are either not migratory or no longer have an unfavourable conservation status). Formulate a proposal to the COP to remove these species from Appendix II. De-listing is less urgent than work to identify urgent candidates for addition to the Appendix. | ScC14 Results of review received and list of species approved ScC15 De-listing proposals submitted to COP9 | |
| Operational objective 2.2: To prioritise the elaboration of Agreements for species not adequately covered by other international or regional initiatives and to seek for that purpose collaboration with relevant organisations. | | | |
| 2.2.1 | Develop and maintain an overview of all Agreements, regional initiatives, and other cooperative actions/initiatives being undertaken under CMS and other auspices for migratory species with an unfavourable conservation status. This should be known as the <i>CMS Appendix II Agreements and MOUs Table</i> , which should become a working document of the Scientific Council. | ScC12 Concept/format for Table approved ScC14 1st additions to the Table approved ScC16 Table reviewed and updated | |

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| 2.2.2 | On the basis of the reviews conducted in 2.1.1 and an analysis of gaps from the <i>CMS Appendix II Agreements and MOUs Table</i> , submit prioritised recommendations to meetings of the COP for new Cooperative Actions to be developed through CMS. For reasons of efficiency, Cooperative Actions should usually encompass large terrestrial and marine regions (both within and beyond the limits of national jurisdiction) and multiple species, and may include multi-taxa Agreements. Where appropriate, the Scientific Council should recommend appropriate partnership arrangements for such Cooperative Actions. | ScC15 Rec. submitted to COP9 considered and approved ScC17 Rec. submitted to COP10 considered and approved | |
| Operational objective 2.3: To promote the conservation and management of Appendix II species throughout their migratory range through Agreements or cooperative actions. | | | |
| 2.3.1 | Provide the scientific leadership to launch the development of priority new CMS Agreements and Cooperative Actions identified in the <i>CMS Appendix II Agreements and MOUs Table</i> , through appointment of focal Councillors, inception workshops, project funding proposals etc.. | ScC15 Programme of inception activities agreed for list to be approved at COP9 ScC16 Progress reviewed ScC17 Programme of inception activities agreed for list to be approved at COP10 | |
| 2.3.2 | Maintain close cooperation with scientific focal points and committees of daughter Agreements, regional initiatives (particularly in the marine environment), and the Scientific bodies of UNEP and other conventions (particularly with regard to synergistic actions and cross cutting issues (Research, monitoring, capacity building, addressing threats, recovery actions for Appendix I species etc.)). This will be achieved through cross-representation on appropriate bodies, periodic meeting of Chairs, cross-reporting and joint activities. | ScC14 Focal points and mechanisms for cooperation agreed ScC15 Progress reviewed and Rec. submitted to COP9 ScC17 Progress Reviewed and Rec. submitted to COP10 | |
| Operational objective 2.4: To review the success of conservation and management measures. | | | |
| 2.4.1 | Undertake a thorough strategic review of the scientific integrity of Appendix II for consideration at every 3 rd COP (starting with COP10). This review should include the following items: a review of the status of the Appendix (level of completion); review of the principles and procedures for listing or de-listing; adoption of changes to the taxonomic reference systems (stable reference systems for nomenclature should be maintained between such reviews). | ScC15 TOR and procedure for review agreed ScC17 Results of review considered and Rec. submitted to COP10 | |
| 2.4.2 | Develop a rolling programme of outcome-focused reviews of the effectiveness of CMS Agreements and other cooperative actions in conserving species on Appendices I and II. This should also include review of any initiatives to launch a Cooperative Action that have stalled for more than 3 years. Following consideration of the results of such reviews, submit recommendations to meetings of the COP for their enhancement and to improve synergies. | ScC13 TOR and list of reviews agreed ScC14 50% of reviews completed and assessed by Scientific Council ScC15 All reviews completed and assessed by Scientific Council. Rec. submitted to COP9 | |

| GOAL 3: MAJOR THREATS TO MIGRATORY SPECIES AND OBSTACLES TO ANIMAL MIGRATION ARE IDENTIFIED AND ASSESSED, AND MEASURES ARE TAKEN TO CONTROL, REMOVE OR MITIGATE THEM | | | |
|--|---|---|-------------------------|
| No. | Scientific Council Activity | Expected Result and Deadline | Progress Tracker |
| Operational objective 3.1: To identify and assess the major threats to migratory species, and provide guidelines on their control or mitigation | | | |
| 3.1.1 | Review the results of scientific work on climate change under the auspices of other bodies such as the CBD, the International Whaling Commission and the Ramsar and Climate Change Conventions, as well as by Contracting Parties. Assess the relevance and importance of such work for the conservation of migratory species and the aims of the CMS (Rec 5.5). Develop prioritised list of actions for CMS funding. | ScC12 TOR for review agreed ScC13 Review considered and Rec. submitted to COP8 | |
| 3.1.2 | Review the effects of hunting (taking) on migratory species, particularly marine mammals/large fish, marine turtles, large terrestrial mammals and birds, to identify priority issues to be addressed through CMS. | ScC13 TOR for review agreed ScC14 Review considered ScC15 Rec. submitted to COP9 | |
| 3.1.3 | Review the effects of by-catch and unregulated fisheries on migratory species, particularly of marine mammals, large marine fish, marine turtles and albatrosses/petrels to identify priority issues to be addressed through CMS. | ScC13 TOR for review agreed ScC14 Review considered ScC15 Rec. submitted to COP9 | |
| 3.1.4 | Review the effects of habitat loss, fragmentation and degradation on migratory species in terrestrial and coastal environments (particularly wetlands, forests, grasslands, arid lands) to identify priority issues to be addressed through CMS. | ScC15 TOR for review agreed ScC16 Review considered ScC17 Rec. submitted to COP10 | |
| 3.1.5 | Review the effects of barriers to migration on migratory species (see Operational Objective 3.4). | ScC13 TOR for review agreed ScC14 Review considered ScC15 Rec. submitted to COP9 | |
| 3.1.6 | Review the effects of pollution (including oil pollution – see Res. 7.3), disease and alien invasive species on migratory species to identify priority issues to be addressed through CMS. | ScC15 TOR for review agreed ScC16 Review considered ScC17 Rec. submitted to COP10 | |
| 3.1.7 | On the basis of 3.1.1 – 3.1.6, and using examples of best practice, prepare (or make available existing) guidelines to control or mitigate the impacts from major threats to migratory species, for dissemination to Contracting Parties. | ScC15 Guidelines on climate change , Hunting, by-catch and barriers to migration submitted to COP9 ScC17 Guidelines on habitat loss and Pollution/disease/alien species submitted to COP10 | |
| Operational objective 3.2: To ensure the establishment of networks of protected areas and required species-specific habitats along migratory routes through ecosystem management and habitat restoration. | | | |
| 3.2.1 | Identify (through the Action Plans described under Operational Objective 1.3) the network of Critical Sites for Appendix I species throughout their range (see Operational Objective 1.2). IBAs are a key tool for identifying such sites for birds, and should be used as a model for other taxa. In many regions such sites will already be protected through existing international designations. | ScC13 Methodology approved ScC15 Critical Sites identified for >50% of species listed on Appendix I ScC17 Critical Sites identified for >90% of species listed on Appendix I | |

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|---|--|---|--|
| 3.2.2 | Promote the legal protection of sites identified under 3.2.1, and their management and restoration to favour the recovery of Appendix I species. See Activities 1.2.2 and 1.2.3. | ScC15 Rec. submitted to COP9 identifying unprotected sites ScC17 Rec. submitted to COP10 identifying unprotected sites | |
| 3.2.3 | Promote identification of the important ecological networks of sites/habitats and key migration corridors required by Appendix II species, (particularly wetlands (coastal and inland), forests, grasslands, arid lands). IBAs are a key tool for birds and provide model to be used for other taxa. | Adequacy of knowledge determined in reviews under Activity 2.1.1 ScC15 Rec. submitted to COP9 identifying priorities for further work | |
| 3.2.4 | Through the implementation of Agreements, other Cooperative Actions, and synergy/partnerships with other Conventions (particularly CBD, Ramsar and the Convention to Combat Desertification), ensure that programmes are developed to restore and sustainably manage the sites and habitats for migratory species identified in 3.2.1 and 3.2.2, using the principles of ecosystem management. | Adequacy of measures determined in reviews under Activity 2.4.2 ScC15 Rec. submitted to COP9 identifying priorities for daughter Agreements and synergy with other conventions | |
| Operational objective 3.3: To address threats to migratory species and include conclusions in impact assessment procedures where possible. | | | |
| 3.3.1 | Review the existing international guidance on environmental impact assessment, identify gaps in relation to migratory species interests and if necessary develop further guidance relating to migratory species issues for consideration and possible adoption by COP8 (Res.7.2). | ScC13 Results of review considered and Rec. submitted to COP8 ScC17 Progress reviewed | |
| 3.3.2 | Develop and formalise a mechanism for rapid CMS action and advocacy in response to emergency and non-compliance situations (eg pollution incidents, epidemics, unregulated hunting incidents of endangered species), using experience from previous arrangements (eg for Monk Seal). | ScC13 Mechanism identified and proposed to COP8 ScC17 Progress reviewed | |
| 3.3.3 | Recommend to the COP or to the Standing Committee, as appropriate, concerted measures to be taken by Parties in respect of by-catch of seabirds, marine turtles and cetaceans listed in Appendices I and II (Res.6.2, and see Rec. 7.2). | ScC15 Concerted measures proposed to COP9 based on review in Activity 3.1.3 ScC16 Progress reviewed | |
| 3.3.4 | Consider the role CMS may play in addressing oil pollution and migratory species by reviewing existing plans and provisions to address oil pollution; and similarly, reviewing existing relevant programmes for training and information exchange (see Res.7.3). | ScC17 Mechanism identified and proposed to COP10 | |
| 3.3.5 | Review existing scientific links between the CMS and other bodies undertaking work on threats to migratory species (eg. CBD, Ramsar Convention, Climate Change Convention, Convention to Combat Desertification). Formulate proposals for improving and strengthening such links where necessary with the objective of ensuring that the CMS has access to the most up to date scientific information available to assist and inform its deliberations; report conclusions and make recommendations to the meeting of the COP. | ScC14 Review of existing links received, and options for improvement formulated ScC15 Rec. submitted to COP9 | |
| 3.3.6 | Finalise and circulate widely the <i>Guidelines on the use of tracking devices with endangered migratory species</i> , and review further issues that may arise concerning such techniques at every second inter-sessional meeting. | ScC14 Guidelines approved/circulated ScC17 New issues reviewed | |

| Operational objective 3.4: To remove or mitigate the impediments of obstacles to animal migrations | | |
|---|---|--|
| 3.4.1 | Build on work already initiated by the Scientific Council (Doc. UNEP/CMS/ScC 5.3) through a commissioned study, to advise how CMS can most effectively address the problems caused by obstacles to migration. Special attention should be given to impacts on Appendix I species. | ScC12 TOR for study approved ScC13 Study reviewed and Rec. submitted to COP8 |
| 3.4.2 | Support implementation of the recommendations from 3.4.1 by preparing guidelines for remedial measures, and by gathering and disseminating the results of case studies. | ScC13 Guidelines submitted to COP8 |
| 3.4.3 | Assess existing and potential threats from offshore wind turbines in relation to migratory mammals and birds, including their habitats and food sources, to develop specific guidelines for the establishment of such plants and to report to COP8 (see Res.7.5). | ScC13 Threats assessed and guidelines submitted to COP8 ScC16 Guidelines reviewed |
| Operational objective 3.5: To review the success of conservation and management measures. | | |
| 3.5.1 | Establish a rolling programme to evaluate the contribution that CMS has made to implementation of measures to address impacts from threats to migratory species. | ScC17 1 st evaluation completed, and Rec. submitted to COP10 |
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| GOAL 4: TO IMPROVE THE AVAILABILITY OF INFORMATION FOR CONSERVING MIGRATORY SPECIES THROUGH STRATEGIC RESEARCH AND MONITORING, AND TO USE THIS TO DEVELOP CAPACITY AND AWARENESS | | | |
|---|---|--|-------------------------|
| No. | Scientific Council Activity | Expected Result and Deadline | Progress Tracker |
| Operational objective 4.1: To undertake or promote strategic research to address the major issues affecting migratory species. | | | |
| 4.1.1 | On the basis of the taxonomic reviews described in Activities 1.1.2 and 2.1.1 and species Action Plans, identify the main strategic research priorities required to address the conservation of migratory species. | ScC16 Research priorities for Appendix I and II species assessed | |
| 4.1.2 | Maintain a <i>List of CMS Research Priorities</i> , as identified in 4.1.1, promote it widely to national and international research funding bodies, and where appropriate seek funds to implement such research. | ScC12 Concept/Format of List approved ScC 13 1 st draft of List submitted to COP8 with Rec. ScC15 List submitted to COP9 with Rec. ScC17 List submitted to COP10 with Rec. | |
| 4.1.3 | Explore the best ways and means to promote and facilitate scientific and technical co-operation and research on migratory species (including via the CBD Clearing House Mechanism). | ScC14 Options reviewed ScC15 Rec. submitted to Cop9 | |
| Operational objective 4.2: To monitor systematically migratory species as a basis for decision-making and to provide capacity building for monitoring. | | | |
| 4.2.1 | Ensure that all Action Plans for Appendix I species adequately address the priority needs for monitoring and research on these species. | Assessment completed through Activities 1.3.2 and 1.3.3 | |
| 4.2.2 | Incorporate in the <i>CMS Appendix I Actions for Recovery Table</i> , information showing whether or not adequate monitoring information is being provided per range state for each Appendix I listed species. Advise each meeting of the COP to address any gaps in monitoring, and to provide any necessary support to increase the capacity of developing countries to undertake monitoring, particularly of Appendix I species. | ScC15 Table reviewed and draft Rec. submitted to COP9 ScC17 Table reviewed and draft Rec. submitted to COP10 | |
| 4.2.3 | On the basis of monitoring information provided through the CMS-IMS for Appendix I species, include a simple assessment of population trend (stable, increasing, declining, unknown) for each species in the <i>CMS Appendix I Actions for Recovery Table</i> . | ScC15 Assessment included in Table ScC17 Updated assessment included in Table | |
| 4.2.4 | Through the development of closer scientific liaison with daughter Agreements, review the adequacy of monitoring programmes for species and groups of species listed on Appendix II. Promote enhancements to these programmes, where necessary through appropriate recommendations to the COP and capacity building. | Adequacy reviewed through Activity 2.3.2 ScC15 Rec. submitted to COP9 ScC17 Progress Reviewed and Rec. submitted to COP10 | |

| Operational objective 4.3: To disseminate information on migratory species so as to enhance their conservation, through improved decision-making and greater public awareness | | |
|--|--|--|
| 4.3.1 | Develop, maintain and disseminate a <i>CMS Appendix I Actions for Recovery Table</i> , for review at each meeting of the Scientific Council and COP, including population status, protection status and recovery measures for each species. | ScC12 Concept/format for Table approved ScC13 1st draft of Table considered and Rec. submitted to COP8 ScC14 Table reviewed ScC15 Table reviewed and Rec. submitted to COP9 ScC16 Table reviewed ScC17 Table reviewed and Rec. submitted to COP10 |
| 4.3.2 | Develop, maintain and disseminate a <i>CMS Appendix I Candidate List</i> , naming those species that the Scientific Council recommends to the COP for addition to Appendix I. | ScC12 Concept/format for List approved ScC14 1st additions to the List approved ScC16 List reviewed and updated |
| 4.3.3 | Make available copies of the Action Plans for all Appendix I species on the CMS web site. | ScC14 Availability reviewed ScC16 Availability reviewed |
| 4.3.4 | Develop, maintain and disseminate a <i>CMS Appendix II Candidate List</i> , naming those species that the Scientific Council recommends to the COP for addition to Appendix II. | ScC12 Concept/format for List approved ScC14 1st additions to the List approved ScC16 List reviewed and updated |
| 4.3.5 | Develop, maintain and disseminate a <i>CMS Appendix II Agreements and MOUs Table</i> , providing an overview of all Agreements, regional initiatives, and other cooperative actions being undertaken through CMS and other auspices for migratory species with an unfavourable conservation status. The table should additionally identify those species and groups of species which the Scientific Council recommends for future Cooperative Actions. | ScC12 Concept/format for Table approved ScC14 1st additions to the Table approved ScC16 Table reviewed and updated |
| 4.3.6 | Develop, maintain and disseminate a <i>List of CMS Research Priorities</i> , based on commissioned taxonomic reviews, species Action Plans etc. | ScC12 Concept/Format of List approved ScC13 1 st draft of List approved and submitted to COP8 with Rec. ScC15 List submitted to COP9 with Rec. ScC17 List submitted to COP10 with Rec. |
| 4.3.7 | Advise the CMS Secretariat on the (scientific / technical) contents of an Information Pack to be provided to all Contracting Parties and Scientific Councillors, particularly concerning actions required for Appendix I species. | ScC14 Advice completed |
| 4.3.8 | Identify flagship species that CMS could use to raise public/ government awareness and capacity (eg satellite tracking of turtles and by-catch). | ScC14 Flagship species identified ScC16 Progress reviewed |
| Operational objective 4.4: To review the progress made in research, monitoring (coverage and quality), as well as in the degree of awareness of conservation enhancement and in monitoring capacity | | |
| 4.4.1 | Use the information gathered under Operational Objective 4.1 to prepare a report to each meeting of the COP on the progress in research, and the outstanding research priorities, as summarised in the <i>List of CMS Research Priorities</i> . | ScC15 Progress reported to COP9 ScC17 Progress reported to COP10 |

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|---|---|---|--|
| 4.4.2 | Use the information gathered under Operational Objective 4.2 to prepare a report to each meeting of the COP on the progress in monitoring of migratory species, and the outstanding monitoring priorities. | ScC15 Progress reported to COP9 ScC17 Progress reported to COP10 | |
| Operational objective 4.5: To contribute to the WSSD targets through the joint work plan with CBD, and by using the global goals of CBD, through the development of appropriate indicators | | | |
| 4.5.1 | Identify experts on migratory species as indicators who could be included on the CBD roster of experts. | ScC13 Experts identified | |
| 4.5.2 | Organize a technical workshop or commission a study to examine migratory species as indicators, as a contribution to the CBD work programme on indicators (Action 9.4 of CMS-CBD JWP). | ScC14 Workshop organised and results reviewed | |
| 4.5.3 | From the candidate list of indicators identified in 4.5.2 (including Appendix I species, marine / coastal / terrestrial / freshwater species, threats), select and develop 1-3 SIMPLE indicators of the status of migratory species, as a contribution to WSSD targets and to support a CMS bid for Action Funds. | ScC15 Draft indicators submitted to COP9 with Rec. | |
| | | | |

Annex 2. Proposed contents/format for CMS Appendix I Candidate List.

(With examples to be developed at ScC12)

| Species | IUCN Category of Threat | Date added to this list | Action required/underway |
|---|-------------------------|-------------------------|--|
| <u>Terrestrial Mammals eg.:</u> <i>Equus africanus</i> <i>Lycaon pictus</i> | | ScC14 ScC14 | Identify range state sponsor, prepare proposal Identify range state sponsor, prepare proposal |
| <u>Aquatic mammals</u> | | | |
| <u>Birds</u> | | | |
| <u>Marine Turtles</u> | | | None – listing is complete |
| <u>Fishes</u> | | | Organise scientific review |
| <u>Bats</u> | | | Organise scientific review |
| <u>Invertebrates</u> | | | Organise scientific review |

Annex 3. Proposed contents/format for CMS Appendix II Candidate List.

(With examples to be developed at ScC12)

| Species | IUCN Category of Threat | Date added to this list | Action required/underway |
|---|-------------------------|-------------------------|--|
| <u>Terrestrial Mammals eg.:</u> Spp. XXXXX | | ScC14 ScC14 ScC14 | Identify range state sponsor, prepare proposal Identify range state sponsor, prepare proposal Identify range state sponsor, prepare proposal |
| <u>Aquatic mammals</u> | | | |
| <u>Birds</u> | | | |
| <u>Marine Turtles</u> | | | None – listing is complete |
| <u>Fishes</u> | | | Organise scientific review |
| <u>Bats</u> | | | Organise scientific review |
| <u>Invertebrates</u> | | | Organise scientific review |

Annex 4. Proposed List of Contents for *CMS Appendix I Actions for Recovery Table*

The aim of this Table is to provide an up to date overview of the population status, legal protection status and conservation actions for every Appendix I species. It will become a formal working document of the Scientific Council to be updated and reviewed at each meeting of the Council, and submitted for consideration to each meeting of the COP. It is recommended that the Table be managed as a key output of the CMS-Information Management System (this will require appropriate resourcing). The format of the Table should be as user-friendly as possible - the 3rd Edition of Wetlands International's *Waterbird Population Estimates*, provides a good template and standard for designing this new Table. If possible, the Table should be available on the web. Standard procedures for updating the Table will need to be developed.

Proposed Contents (to be elaborated)

Latin name
English name
French name
Spanish name

Distribution Map (if possible, showing known populations)
IUCN Category of Threat
Population size estimate
Population trend (stable, increasing, declining)

List of Range States (??divided into core and other??) showing if species is legally protected, and if adequate monitoring information is available to CMS
List of Critical Sites (eg >1% of population for birds) per Range State, showing which sites are legally protected

List of main impact factors

Availability and source of action plan (or CMS Review Report)
Priority for concerted action (High, Medium, Low)
List of Concerted Actions by CMS and others, with date.

List of research priorities

Annex 5. Proposed format for *CMS Appendix II Agreements and MOUs Table*

KEY

Bold text = Agreement or MOU concluded

Non-bold underlined text = in preparation

Non-bold text = proposed initiative

Italic text = non-CMS initiative

| | Africa | Europe/ M. East | Asia | Oceania / Eastern Tropical Pacific | North America | Neotropics |
|----------------------------|--|--|--|---|---|---|
| Aquatic mammals | Small cetaceans and manatees in tropical West Africa | Agreement on the Conservation of Seals in the Wadden Sea. Agreement on the Conservation of Small Cetaceans of the Baltic and North Seas (ASCOBANS) Agreement on the Conservation of Cetaceans of the Black Sea, Mediterranean Sea and Contiguous Atlantic Area (ACCOBAMS) | Small cetaceans in South-East Asia Cetaceans in the Indian Ocean Dugong | Dugong | | |
| Terrestrial mammals | <u>African Elephant</u> | | Memorandum of Understanding concerning Conservation and Restoration of the Bukhara Deer <u>Saiga Antelope</u> Mongolian Gazelle Ammotragus lervia Gazella soemmerringii | | | |
| Bats | | Agreement on the Conservation of Populations of European Bats (EUROBATS) | | | | |
| Marine turtles | Memorandum of Understanding concerning Conservation Measures for Marine Turtles of the Atlantic Coast of Africa | | Memorandum of Understanding on the Conservation and Management of Marine Turtles and their Habitats of the Indian Ocean and South-East Asia | MOU for marine turtles in the Pacific Ocean | <i>Inter-American Convention for the Protection and Conservation of Sea Turtles</i> | <i>Inter-American Convention for the Protection and Conservation of Sea Turtles</i> |

| | Africa | Europe/ M. East | Asia | Oceania / Eastern Tropical Pacific | North America | Neotropics |
|----------------------|---|---|--|--|----------------------|---|
| Birds | <p>Agreement on the Conservation of Albatrosses and Petrels (ACAP)</p> <p>Agreement on the Conservation of African Eurasian Migratory waterbirds</p> <p>Sandgrouse</p> <p>Birds of prey</p> | <p>Agreement on the Conservation of Albatrosses and Petrels (ACAP)</p> <p>Memorandum of Understanding concerning Conservation Measures for the Slender-billed Curlew</p> <p>Memorandum of Understanding on the Conservation and Management of the Middle-European Population of the Great Bustard</p> <p>Agreement on the Conservation of African Eurasian Migratory waterbirds</p> <p><u>Houbara Bustard</u></p> <p>MOU Aquatic warbler</p> <p>Birds of prey</p> | <p>Agreement on the Conservation of Albatrosses and Petrels (ACAP)</p> <p>Memorandum of Understanding concerning Conservation Measures for the Siberian Crane</p> <p>Central Asian waterfowl flyway (?added to AEWA)</p> | <p>Agreement on the Conservation of Albatrosses and Petrels (ACAP)</p> | <p>Birds of prey</p> | <p>Agreement on the Conservation of Albatrosses and Petrels (ACAP)</p> <p>Southern cone grassland passerines</p> <p>Birds of prey</p> |
| Fishes | | | | <p><i>Inter-American Tropical Tuna Commission</i></p> <p>Indo-Pacific Whale-shark MOU</p> <p>Global Gt White Shark MOU</p> <p>Giant Catfish MOU (Mekong River)</p> | | |
| Invertebrates | | | | | | |

Annex 6. Proposed format for *List of CMS Research Priorities*
 (with examples to be developed at ScC12)

| No. | Topic | Priority | Date added to this list | Action required/underway |
|-----|--|----------------|-------------------------|--------------------------|
| 1 | Taxonomic reviews to identify outstanding candidates for Appendix I listing | High | ScC14 | |
| 2 | Taxonomic reviews to identify outstanding candidates for Appendix II listing | Medium | ScC14 | |
| 3 | Review of impacts of barriers to migration | Medium | ScC14 | |
| 4 | Review of impacts of wind turbines | High Urgent | ScC14 | |

Annex 7. Work plan for future meetings of the Scientific Council, based on the Strategy Implementation Plan.

| ScC12 – April 2004 Inter-sessional | | | |
|---|--|-----------------|-------------------------|
| No. | Expected Result | Planning | Progress Tracker |
| 1.1.2 4.3.2 | Concept/format for <i>CMS Appendix I Candidate List</i> approved | | |
| 1.2.1 1.2.1 1.3.1 1.3.2 4.2.2 4.2.3 4.3.1 | Concept/format for <i>CMS Appendix I Actions for Recovery Table</i> approved | | |
| 2.1.2 4.3.4 | Concept/format for <i>CMS Appendix II Candidate List</i> approved | | |
| 2.2.1 4.3.5 | Concept/format for <i>CMS Appendix II Agreements and MOUs Table</i> approved | | |
| 3.1.1 | TOR for review of impacts of climate change agreed | | |
| 3.4.1 | TOR for study on obstacles to migration approved | | |
| 4.1.2 4.3.6 | Concept/Format for <i>List of CMS Research Priorities</i> approved | | |
| ScC13 - End 2005 Pre-COP8 | | | |
| No. | Expected Result | Planning | Tracker |
| 1.2.1 1.2.2 1.2.3 1.3.1 4.2.2 4.2.3 4.3.1 | 1 st draft <i>CMS Appendix I Actions for Recovery Table</i> reviewed and Rec. submitted to COP8 | | |
| 1.4.1 | Prioritised list of concerted action proposals submitted to COP8 | | |
| 1.4.2 | Submit Rec. to COP8 for cooperation mechanism with Agreements for App.I species | | |
| 1.5.1 | TOR and procedure for strategic review of App. I agreed | | |
| 2.4.2 | TOR and list of reviews of effectiveness of Agreements, Cooperative Actions and other initiatives agreed | | |
| 3.1.1 | Results of review of impacts of climate change considered and Rec. submitted to COP8 | | |
| 3.1.2 | TOR for review of impacts of hunting agreed | | |
| 3.1.3 | TOR for review of impacts of by-catch and unregulated fishing agreed | | |
| 3.1.5 | TOR for review of impacts of barriers to migration agreed | | |
| 3.2.1 | Methodology for identifying Critical sites for App1 species approved | | |
| 3.3.1 | Assess results of review of existing international guidance on EIA and migratory species and submit rec. to COP8 | | |
| 3.3.2 | Identify mechanism for ScC/CMS to respond to emergency situations and submit rec. to COP8. | | |
| 3.4.1 3.4.2 | Results of study on obstacles to migration reviewed and Rec. submitted to COP8 (including mitigation guidelines) | | |
| 3.4.3 | Threats from offshore wind turbines assessed and guidelines submitted to COP8 | | |
| 4.1.1 4.1.2 4.3.6 | <i>List of CMS Research Priorities</i> approved and submitted to COP8 with Rec. | | |
| 4.5.1 | Identify experts on migratory species for the CBD roster of experts | | |

| ScC14 Spring 2007 – Inter-sessional | | | |
|--|--|-----------------|----------------|
| No. | Expected Result | Planning | Tracker |
| 1.1.1 | Appendix I taxonomic reviews completed for aquatic mammals, terrestrial mammals, birds and bats | | |
| 1.1.2 4.3.2 | 1st additions to the <i>CMS Appendix I Candidate List</i> approved | | |
| 1.1.4 | Results of Appendix I possible de-listings review received, and list of species for de-listing approved | | |
| 1.2.1 1.2.2 4.3.1 | <i>CMS Appendix I Actions for Recovery Table</i> reviewed | | |
| 1.3.2 1.3.3 4.2.1 4.3.3 | Review of action plans for Appendix I species completed; make plans available through CMS website; and prepare and schedule prioritised list of species requiring action plans | | |
| 1.4.1 | Concerted action proposals received and reviewed | | |
| 1.4.2 | Joint Workplan for App.I species with Agreements approved | | |
| 1.5.1 | Results of strategic review of App. I assessed | | |
| 1.5.2 | Determine methodologies for reporting on population status of App.I species | | |
| 1.5.3 | Determine methodologies for reporting on the legal protection of App.I species (including their habitats) | | |
| 2.1.1 | Appendix II taxonomic reviews completed for aquatic mammals, terrestrial mammals, birds and bats | | |
| 2.1.2 4.3.4 | 1st additions to the <i>CMS Appendix II Candidate List</i> approved | | |
| 2.1.4 | Results of Appendix II possible de-listings review received, and list of species for de-listing approved | | |
| 2.2.1 4.3.5 | 1st additions to the <i>CMS Appendix II Agreements and MOUs Table</i> approved | | |
| 2.3.2 | Agree focal points and mechanisms for cooperation with Agreements, cooperative actions and other initiatives | | |
| 2.4.2 | 50% of reviews of effectiveness of Agreements, Cooperative Actions and other initiatives completed and assessed by Scientific Council | | |
| 3.1.2 | Results of review of impacts of hunting considered | | |
| 3.1.3 | Results of review of impacts of by-catch and unregulated fishing considered | | |
| 3.1.5 | Results of review of impacts of barriers to migration considered | | |
| 3.3.5 | Review of existing links between CMS and other bodies undertaking work on threats to migratory species received, and options for improvement formulated | | |
| 3.3.6 | <i>Guidelines on the use of tracking devices with endangered migratory species</i> , approved/circulated | | |
| 4.1.3 | Options for cooperation and research on migratory species reviewed | | |
| 4.3.7 | Review technical content of CMS Info. pack to CPs etc. | | |
| 4.3.8 | Identify flagship species for raising awareness | | |
| 4.5.2 | Review results of workshop on migratory species as indicators | | |
| ScC15 End 2008 Pre-COP9 | | | |
| No. | Expected Result | Planning | Tracker |
| 1.1.3 | Listing proposals reviewed/submitted to COP9 for >50% of species on <i>CMS Appendix I Candidate List</i> | | |
| 1.1.4 | Appendix I de-listing proposals submitted to COP9 | | |
| 1.2.1 | <i>CMS Appendix I Actions for Recovery Table</i> | | |

| | | | |
|--|---|-----------------|----------------|
| 1.2.2 1.2.3 1.3.2 1.5.2 1.5.3 4.2.2 4.2.3 4.3.1 | reviewed and Rec. submitted to COP9 | | |
| 1.4.1 | Prioritised list of concerted action proposals submitted to COP9 | | |
| 1.5.1 | Rec. submitted to COP9 concerning results of strategic review of App. I. | | |
| 1.5.2 | 1 st Report on population status of App.I species reviewed for submission to COP9, with Rec. | | |
| 2.1.4 | Appendix II de-listing proposals submitted to COP9 | | |
| 2.2.2 2.3.1 | Rec. submitted to COP9 for new Agreements and Cooperative Actions, and inception measures agreed | | |
| 2.3.2 2.4.2 4.2.4 | Progress on cooperation with Agreements, Cooperative Actions and other initiatives reviewed and Rec. submitted to COP9 (including review of effectiveness in conserving species on App. I and II) | | |
| 2.4.1 | TOR and procedure for strategic review of App. II agreed | | |
| 2.4.2 3.2.3 3.2.4 | Reviews of effectiveness of Agreements, Cooperative Actions and other initiatives for App.II species and their habitats completed and assessed by Scientific Council. Rec. submitted to COP9 | | |
| 3.1.2 | Rec. from review of impacts of hunting submitted to COP9 | | |
| 3.1.3 3.3.3 | Rec. from review of impacts of by-catch and unregulated fishing submitted to COP9 | | |
| 3.1.4 | TOR for review of impacts of habitat loss and degradation agreed | | |
| 3.1.5 | Rec. from review of impacts of barriers to migration submitted to COP9 | | |
| 3.1.6 | TOR for review of impacts of pollution, disease and alien invasive species agreed | | |
| 3.1.7 | Guidelines on climate change , hunting, by-catch and barriers to migration submitted to COP9 | | |
| 3.2.1 | Critical Sites identified for >50% of species listed on Appendix I | | |
| 3.2.2 | Rec. submitted to COP9 identifying unprotected Critical Sites for App.I species | | |
| 3.3.5 | Rec. on technical cooperation between CMS and other bodies undertaking work on threats to migratory species submitted to COP9 | | |
| 4.1.1 4.1.2 4.3.6 4.4.1 | <i>List of CMS Research Priorities</i> approved and submitted to COP9 with Rec. on progress/gaps | | |
| 4.1.3 | Rec. on cooperation and research on migratory species submitted to COP9 | | |
| 4.4.2 | Submit report to COP9 on effectiveness of monitoring | | |
| 4.5.3 | Submit list of simple indicators for adoption by COP9 | | |
| ScC16 – Spring 2010 Inter-sessional | | | |
| No. | Expected Result | Planning | Tracker |
| 1.1.1 | Appendix I taxonomic reviews completed for fishes and invertebrates | | |
| 1.1.2 4.3.2 | <i>CMS Appendix I Candidate List</i> reviewed and updated | | |
| 1.2.1 | <i>CMS Appendix I Actions for Recovery Table</i> | | |

| | | | |
|---|---|-----------------|----------------|
| 1.2.2 1.3.2 1.5.2 1.5.3 4.3.1 | reviewed | | |
| 1.4.1 | Project proposals for concerted action received and reviewed | | |
| 1.4.2 | Review cooperative working with Agreements for App.I species | | |
| 1.5.2 | Population status of App.I species reviewed | | |
| 2.1.1 | Appendix II taxonomic reviews completed for fishes and invertebrates | | |
| 2.1.2 4.3.4 | <i>CMS Appendix II Candidate List</i> reviewed and updated | | |
| 2.2.1 4.3.5 | <i>CMS Appendix II Agreements and MOUs Table</i> reviewed and updated | | |
| 2.3.1 | Review progress in inception measures for new Agreements and Cooperative Actions | | |
| 2.4.1 | Results of strategic review of App. II assessed | | |
| 3.1.4 | Results of review of impacts of habitat loss and degradation considered | | |
| 3.1.6 | Results of review of impacts of pollution, disease and alien invasive species considered | | |
| 3.3.3 | Review progress in concerted measures to address impacts of by-catch and unregulated fishing | | |
| 3.4.3 | Guidelines on offshore wind turbines reviewed | | |
| 4.3.3 | Review availability of action plans for App.I species on the CMS web site | | |
| 4.3.8 | Review use of flagship species | | |
| ScC17 End 2011 Pre-COP10 | | | |
| No. | Expected Result | Planning | Tracker |
| 1.1.3 | Listing proposals reviewed/submitted to COP10 for >50% of species on <i>CMS Appendix I Candidate List</i> | | |
| 1.2.1 1.2.2 1.2.3 1.3.2 1.5.2 1.5.3 4.2.2 4.2.3 4.3.1 | <i>CMS Appendix I Actions for Recovery Table</i> reviewed and Rec. submitted to COP10 | | |
| 1.4.1 | Prioritised list of concerted action proposals submitted to COP10 | | |
| 1.5.1 | Assess progress with implementation of strategic review of App. I. | | |
| 1.5.2 | Population status of App.I species reviewed and Rec. submitted to COP10 | | |
| 2.1.3 | Listing proposals reviewed/submitted to COP10 for >50% of species on <i>CMS Appendix II Candidate List</i> | | |
| 2.2.2 2.3.1 | Rec. submitted to COP10 for new Agreements and Cooperative Actions, and inception measures agreed | | |
| 2.3.2 4.2.4 | Progress on cooperation with Agreements, Cooperative Actions and other initiatives reviewed and Rec. submitted to COP10 | | |
| 2.4.1 | Rec. submitted to COP10 concerning results of strategic review of App. II. | | |
| 3.1.4 | Rec. from review of impacts of habitat loss and degradation submitted to COP10 | | |
| 3.1.6 | Rec. from review of impacts of pollution, disease and alien invasive species submitted to COP10 | | |
| 3.1.7 | Guidelines on habitat loss and | | |

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| | pollution/disease/alien species submitted to COP10 | | |
| 3.2.1 | Critical Sites identified for >90% of species listed on Appendix I | | |
| 3.2.2 | Rec. submitted to COP10 identifying unprotected Critical Sites for App.I species | | |
| 3.3.1 | Review progress on international guidance for EIA and migratory species and submit Rec. to COP10 | | |
| 3.3.2 | Review effectiveness of ScC/CMS response to emergency situations and submit Rec. to COP10 | | |
| 3.3.4 | Mechanisms for CMS to address oil pollution identified and proposed to COP10 | | |
| 3.3.6 | Review <i>Guidelines on the use of tracking devices with endangered migratory species</i> | | |
| 3.5.1 | Evaluation of the contribution that CMS has made to implementation of measures to address impacts from threats to migratory species completed, and Rec. submitted to COP10 | | |
| 4.1.1 | <i>List of CMS Research Priorities</i> submitted to COP10 with Rec. on progress/gaps | | |
| 4.1.2 | | | |
| 4.3.6 | | | |
| 4.4.1 | | | |
| 4.4.2 | Submit report to COP10 on effectiveness of monitoring | | |

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