

## 12<sup>th</sup> Meeting of the Advisory Committee

Budapest, Hungary, 7 – 8 May 2007

### Record of the Meeting



#### 1. Attendance

This is listed at **Annex 1** to the Record.

#### 2. Opening remarks

Mr. Peter Lina (Chair) opened the Meeting. He welcomed the participants and invited the representative of the host country (Hungary) to make opening remarks.

The State Secretary for Nature and Environment Protection, Mr. László Haraszthy, welcomed the participants on behalf of the Hungarian Ministry of Environment. He wished everyone a pleasant stay and hoped it would be a good Meeting. He also highlighted the richness of Hungary's bat fauna and the efforts made for its conservation.

The Chair thanked the State Secretary for his kind words of welcome and commended him for his expertise in biology, in particular the scientific names of some bat species. He also thanked the Hungarian hosts for having organised a beautiful excursion the previous day.

The Executive Secretary of UNEP/EUROBATS, Mr. Andreas Streit, read an opening statement of Mr. Robert Hepworth, the Executive Secretary of the Convention on the Conservation of Migratory Species of Wild Animals (UNEP/CMS) who, also on behalf of the UNEP Executive Director Mr. Achim Steiner, expressed thanks for the opportunity to address this Meeting. He renewed his personal commitment to a successful and autonomous EUROBATS Agreement with its well-managed Secretariat and the strong scientific and political support amongst its Parties. He wished everyone a successful Meeting.

The Executive Secretary thanked the Hungarian hosts for their kind hospitality. He remarked on the wonderful excursion that everyone had enjoyed the day before. He also thanked the Governments of Germany and the Netherlands for their substantial and continued voluntary contributions, which had helped to cover the costs of the Meeting. He furthermore transmitted the apologies of the Vice-Chair, Ms. Luisa Rodrigues, for not being able to attend the Meeting.

### **3. Adoption of the Rules of Procedure (Doc.EUROBATS.AC12.4)**

The Rules were the same as those of the last and previous Meetings and only a minor change was suggested. They were then adopted by consensus as amended.

### **4. Adoption of the Agenda (Doc.EUROBATS.AC12.1)**

The Agenda was adopted unanimously.

### **5. Election of Chair and Vice-Chair**

Italy nominated Mr. Peter Lina for being re-elected as Chair. This was seconded by Ukraine. Mr. Lina was then re-elected by consensus.

Luxembourg nominated Ms. Luisa Rodrigues for being re-elected as Vice-Chair. This was seconded by Finland. Ms. Rodrigues was then re-elected unanimously in absence.

Nominated by Hungary and seconded by Sweden, Dr. Ferdia Marnell was elected by consensus as acting Vice-Chair for this meeting.

### **6. Report of the first Meeting of the Standing Committee (Doc.EUROBATS.AC12.5)**

The Chair of the Standing Committee had sent his apologies for not being able to attend. The Executive Secretary introduced the written report and drew attention to chapter nine in which recommendations for implementation priorities were made.

### **7. Secretariat Report (Doc.EUROBATS.AC12.6)**

The Executive Secretary referred to the written report and only commented orally on the following issues:

#### **- National Reports and Updates to National Reports**

He informed about reports submitted after MoP 5 and updates submitted for this AC Meeting and the new synthesis available on the EUROBATS website (Inf.EUROBATS.AC12.4)

#### **- Agreement membership (recruitment of new Parties)**

The Executive Secretary commented that there had been an expected reduction in the number of countries acceding to the Agreement every year, because membership now covered most of the Agreement area. He thanked Germany in its capacity as EU-Presidency for assisting in encouraging Non-Party Range States to accede.

#### **- Publicity**

The Executive Secretary advised that the 10<sup>th</sup> European Bat Night had been a great success but that the Secretariat had not yet received reports from the participating countries. He encouraged to do so as these could contain good examples for activities in coming years.

## **8. Reports from Parties and Non-Party Range States as well as NGOs**

Parties and Non-Party Range States made oral presentations regarding bat conservation measures. Non-Party Range States additionally informed the Plenary about the progress made in acceding to the Agreement.

All NGOs reported about their continuing activities in bat conservation.

## **9. Reports from Intersessional Working Groups of the past triennium**

### Transboundary Programme – Habitats: Data Compilation

Dr. Tony Mitchell-Jones (convenor) reported that there were two parts of this project: the first one the database on important underground sites, and the second one the publication of the guidelines on protecting and managing underground sites for bats. He informed that the publication was in its final stage of completion whereas the relating database would be continued to be updated in line with Resolution 5.10.

### Geographical Scope of the Agreement

Mr. Tony Hutson (convenor) reported that the work of this IWG was completed at MoP5.

### Review of Guidelines for the Issue of Permits for the Capture and Study of Captured Wild Bats

Mr. Peter Lina (convenor) reported that some amendments to Resolution 4.6 were adopted at MoP5 (Resolution 5.5). Any new information could lead to a further revision of the guidelines.

### Producing Guidelines on Bat Monitoring Methods to Assess Population Trends at Different Levels

Dr. Jessamy Battersby (convenor) informed that the guidelines were almost completed. They would be circulated to all members of the IWG in due course for final comments.

It was agreed that this IWG would be responsible for taking forward the Pan European Monitoring Project.

### Bat Conservation and Sustainable Forest Management

Dr. Tony Mitchell-Jones (acting convenor) mentioned that the future work should build on the results achieved so far. The Executive Secretary underlined the importance of this topic and recommended the establishment of a newly composed IWG.

### Bat Migration

Ms. Kaja Lotman (acting convenor) informed that there were no recent developments on this topic.

#### Autecological Studies for Priority Species

Dr. Stéphane Aulagnier (convenor) reported that there was no additional information but the work would be continued.

#### Protection of Overground Roosts

Dr. Ferdia Marnell (convenor) gave a presentation of the report of the IWG (Doc.EUROBATS.AC12.8). He explained the need for extending its geographical scope; also private houses as important bat roosts should be included. He expected the work to be completed within a few months time.

#### Impact on Bat Population of Use of Antiparasitic Drugs for Livestock

Mr. Tony Hutson (convenor) referred to his written report (Doc.EUROBATS.AC12.7). He was optimistic that the final report and a draft resolution for the next MoP would be available in the course of 2008.

#### Wind Turbines and Bat Populations

Ms. Marie-Jo Dubourg-Savage (acting convenor) reported that guidelines were adopted at MoP5 (Resolution 5.6). However, the IWG hasn't received any feedback so far on the implementation of these guidelines. Sweden informed about ongoing projects on wind turbines.

#### Conservation and Management of Critical Feeding Areas and Commuting Routes

Ms. Eeva-Maria Kyheröinen (convenor) informed that further deliberations were required within the group and that progress was sought by AC13.

#### Bats as Indicators

Dr. Katherine Jones (acting convenor) reported about progress achieved. The group would continue its work during the Meeting.

### **10. Review of implementation activities outstanding from the past triennium and before**

The Chair proposed to establish a working group for this task which should also include agenda items 9. (Discussion on work plan priorities and the future operation of the Advisory Committee and Intersessional Working Groups taking into account the implementation priorities defined by the Standing Committee) and 10. (Establishment of Intersessional Working Groups) in their work.

## **11. Reports from working groups convened during the Meeting**

### **Producing Guidelines on Bat Monitoring Methods to Assess Population Trends at Different Levels**

The Intersessional Working Group met to discuss progress with drafting the guidelines, and also to agree the next steps for taking forward Pan-European monitoring of bats as suggested in Resolution 5.4, Monitoring Bats across Europe.

Present: Dr. Jessamy Battersby (United Kingdom, Convenor), Mr. Serghei Andreev (Republic of Moldova), Dr. Stéphane Aulagnier (France), Dr. Zoltán Bihari (Hungary), Ms. Amy Coyte (BCT, United Kingdom), Ms. Edmée Engel (Luxembourg), Dr. Suren Gazaryan (Russian Federation), Dr. Christine Harbusch (NABU, Germany), Mr. Tony Hutson (IUCN/SSC), Dr. Katherine Jones (BCT, United Kingdom), Dr. Ferdia Marnell (Ireland), Dr. Matti Masing (Estonian Bat Group), Prof. Branko Micevski (FYR Macedonia), Mr. Ioseb Natradze (Georgia), Mr. Primož Presetnik (CKFF, Slovenia), Dr. Danilo Russo (Italy), Dr. Dino Scaravelli (Republic of San Marino), Ms. Abigel Szodoray-Paradí (Romanian Bat Protection Association), Ms. Triinu Torv (Estonia).

The Convenor noted that there had been little progress with publishing the guidelines since MoP5 and advised that there was still some minor work to complete the main text, which could then be circulated to all contributors and all in the IWG for comment. A small editorial group (Dr. Stéphane Aulagnier, Dr. Jessamy Battersby, Dr. Zoltán Bihari, Dr. Ferdia Marnell, Mr. Tony Hutson) was set up to finalise editing the guidelines and will communicate via email. It was agreed that the work could probably be completed within six months and that the final guidelines could then be circulated for adoption at AC13.

Ms. Amy Coyte (BCT, United Kingdom) led a discussion on implementation of Resolution 5.4, with reference to the proposed Pan-European Project on Monitoring Underground Sites.

Firstly the group revisited the aims and objectives of the project.

#### Overall objectives of the Pan-European Project

- To provide population indices for European bat species on a regular basis;
- To identify important sites and provide information to assist in their protection;
- To measure and assist in predicting the effect of future global change on bat biodiversity;
- To raise awareness, enhance information exchange, build capacity and increase volunteer engagement;
- To deliver obligations under the EC Habitats Directive.

At AC11 a recommendation was made to carry out a feasibility study to develop the project and BCT (United Kingdom) agreed to take this forward.

#### Aims and objectives of the feasibility study

- To produce a detailed project proposal for the Pan-European project;
- To submit a proposal to EU Life Plus and other potential funders;
- Consult with partners to:
  1. Identify the framework for delivery of a Pan-European project;
  2. Clarify the protocols and methodology for the project, using the Monitoring Guidelines agreed by EUROBATs;
  3. Clarify processes for data handling, management and access;
  4. Clarify individual country requirements for delivery e.g. health and safety requirements, resources etc.;
  5. Clarify the management of the project and reporting processes;
- Compile a detailed project plan, agreed by all the partners;
- Investigate funding opportunities for the project;
- Submit proposals to relevant funders - aim to submit a proposal to the EU Life Plus fund.

BCT reported that funding for the feasibility study has been secured from the governments of The Netherlands, Ireland, the United Kingdom and Estonia and also from the following NGOs: Bat Conservation Trust, United Kingdom; the Slovenian Association for Bat Research and Conservation; Bosnia Speleological Association; Wildlife Conservation Society MUSTELA, Serbia; and the Field Researcher's Union CAMPESTER, Georgia. Unfortunately, the funding offered to date was only half the amount required to carry out the full study. The group agreed to take forward the project on a six-month basis, subject to extension if further funds could be secured.

A Steering group was established to help oversee the feasibility project with the BCT. Membership includes: Dr. Stéphane Aulagnier (France), Dr. Jessamy Battersby (United Kingdom), Dr. Zoltán Bihari (Hungary), Ms. Amy Coyte (BCT, United Kingdom), Mr. Tony Hutson (IUCN/SSC), Dr. Katherine Jones (BCT, United Kingdom), Dr. Ferdia Marnell (Ireland), Ms. Abigel Szodoray-Paradi (Romanian Bat Protection Association).

The BCT will draw up a job description and advertise the post. The post will be based in a country suitable to the successful candidate.

The group discussed some of the details to be considered in the feasibility study, such as the existing tools for data management. Two potential systems were mentioned, the

ibats interactive database and Recorder. ibats has the advantage of enabling project and volunteer management as well as data management. All agreed that it would be useful to have a tool to enable effective data management and that the project officer should consider existing tools as well as potential development of new ones. There was some discussion concerning data accessibility, sensitivity and appropriate use. There was a general feeling that each country should manage and verify their data, but contribute to the data pool for international population trends.

The possible effects of climate change on the use of hibernation sites by bats and the problems associated with monitoring underground sites to assess population trends were discussed. Consideration was given to developing other Pan-European level surveillance such as colony counts and car surveys, which might prove to be more robust in the long-term. All agreed it is useful to bear these in mind when looking at the framework for delivery but the feasibility study should concentrate on the underground surveys.

Monitoring distribution change was also discussed but all agreed that this was beyond the scope of the feasibility study.

A discussion on which species should be included in the survey took place.

All agreed all *Rhinolophus* species should be covered.

Species should be chosen on criteria such as:

- Traditionally use underground sites for roosting;
- Widespread to provide good sample sizes and Pan-European trends;
- Localised and less common species for regional trends and for use of the data for other purposes.

### **Bat Conservation and Sustainable Forest Management**

The Convenor of the IWG, Dr. Andriy-Taras Bashta (Ukraine), was unable to be present at the Advisory Committee Meeting, so a meeting of the group was chaired by Dr. Tony Mitchell-Jones (United Kingdom). Other delegates present were: Dr. Stéphane Aulagnier (France), Dr. Aurora Dibra (Albania), Dr. Suren Gazaryan (Russian Federation), Dr. Christine Harbusch (NABU, Germany), Dr. Matti Masing (Estonian Bat Group), Ms. Marie Nedinge (Sweden), Dr. Danilo Russo (Italy), Ms. Triinu Torv (Estonia) and Dr. Nikola Tvrković (Croatian Natural History Museum).

The group considered the high-level guidelines drafted at AC11 and made some small changes to the draft. This will now be circulated to all members of the IWG for approval. The intention is that the high-level guidelines should be used to develop national

guidelines to suit particular forest types and forestry administrative practices. The group also considered how best to publicise the guidelines. It was agreed that a Eurobats leaflet would be the best way to do this. The leaflet, which could be a 6-page A4 foldout, should illustrate forest-dependent bats, bat roosts in trees and forest types showing examples of good practice. The illustrations could be either photographs or drawings. In order to increase the acceptability and usefulness of the guidelines, Parties should be encouraged to translate the guidelines into their own language and over print these onto a common base leaflet.

### **Bat Migration**

16 persons participated in the work of IWG: Ms. Kaja Lotman (Estonia, Convenor), Mr. Serghei Andreev (Republic of Moldova), Dr. Zoltán Bihari (Hungary), Mr. Laurent Biraschi (Luxembourg), Dr. Josef Chytil (Czech Republic), Ms. Marie-Jo Dubourg-Savage (SFEPM, France), Ms. Lena Godlevska (Ukraine), Mr. Tony Hutson (IUCN/SSC), Ms. Eeva-Maria Kyheröinen (Finland), Mr. Peter Lina (The Netherlands), Mr. Milan Paunović (Republic of Serbia), Dr. Gunars Petersons (Latvia), Ms. Anna Prager (Hungary), Mr. Primož Presetnik (CKFF, Slovenia), Prof. Irina Rakhmatulina (Azerbaijan), Mr. Per Ole Syvertsen (Norway).

The overview of the previous work was presented by the Convenor. The four tasks from the previous work of the IWG were accepted:

- 1) To identify the long-distance migrants;
- 2) To analyse available information on long distance migrants regarding timing and distribution of migration;
- 3) To develop a questionnaire in order to collect data on migration routes (flyways), use of habitats during migration – „stopover places of concentrations“ (including feeding areas, mating roosts, etc.) - and collect data on known and potential barriers/obstacles to migration;
- 4) Find out gaps in knowledge and needs for future research.

The long-distance migrants were previously named as follows: *Nyctalus lasiopterus*, *Nyctalus leisleri*, *Nyctalus noctula*, *Vespertilio murinus*, *Pipistrellus nathusii*, *Pipistrellus pipistrellus/pygmaeus*.

It was agreed to get also information about the migration patterns of *Miniopterus schreibersii*.

The IWG examined the 27 questionnaires completed by Parties and Non-Party Range States. It was agreed to ask the Secretariat to circulate the questionnaire again to the countries who have not responded to date.

It was decided that the analysis of the questionnaires will be divided as follows:

	Name of the species	Member of IWG	Additional experts are needed
1.	<i>Nyctalus lasiopterus</i>	Marié-Jo Dubourg-Savage	Simone Vergari, Gianni Dondini, Peter Estok
2.	<i>Nyctalus leisleri</i> ,	Gunàrs Petersons	+
3.	<i>Nyctalus noctula</i>	Josef Chytil	+
4.	<i>Vespertilio murinus</i>	Lena Godlevska, Per Ole Syvertsen	
5.	<i>Pipistrellus nathusii</i>	Gunàrs Petersons, Peter Lina	
6.	<i>Pipistrellus pipistrellus/pygmaeus</i>	Peter Lina, Milan Paunović, Laurent Biraschi	Jacques B Pir
7.	<i>Miniopterus schreibersii</i>	Marie-Jo Dubourg-Savage	Luisa Rodrigues, Zoltán Bihari

It was decided that to get information about *Miniopterus* migration the same questionnaire with minor changes will be sent to the countries where this species is known.

### **Autecological Studies for Priority Species**

With reference to Inf.EUROBATS.MoP2.14fin, Annex A, 8 and EUROBATS.AC.10. Record.Annex2, 21.

Recalling that the current work being carried out on autecological studies of the Priority List of species (*Rhinolophus euryale*, *Myotis capaccinii* and *Miniopterus schreibersii*, according to EUROBATS.AC4.Report.AnnexC) should be updated by the Advisory Committee in accordance with Resolution 4.12, and should be made public.

- The IWG revised the questionnaire on roost choice by the three species that should be circulated by the Secretariat in the next few weeks.
- The IWG requests again that Parties and Range States send to the Convenor references of all papers and reports dealing with foraging areas (using radiotelemetry or other suitable techniques) and diet (faecal analyses), as well as studies on population structure, including metapopulation structuring (using genetic analyses, morphometrics or echolocation calls) and dispersal (flying paths when commuting from the roost to the foraging areas and when moving between seasonal roosts).

## **Report of the IWG on the Impact on Bat Populations of the Use of Antiparasitic Drugs for Livestock**

The IWG met during the Meeting.

Its meeting was attended by Mr. Tony Hutson (Convenor, IUCN/SSC, Mr. Laurent Biraschi (Luxembourg), Dr. Christine Harbusch (NABU, Germany), Mr. Peter Lina (The Netherlands), Dr. Dino Scaravelli (Republic of San Marino).

The interim report (Doc.Eurobats.AC12.7) was discussed. Areas of further enquiry were identified and allocated to group members. It was agreed that a final report should be available at AC13 and that the elements of a Resolution would also be prepared for that meeting. The group would then be grateful to be informed of any fresh information in time for modification of the report and draft Resolution to be presented to the MoP in 2010.

### **Wind Turbines and Bat Populations**

Participants: Mr. Laurent Biraschi (Luxembourg), Ms. Marie-Jo Dubourg-Savage (SFEPM, France), Dr. Christine Harbusch (NABU, Germany), Ms. Eeva-Maria Kyheröinen (Finland), Ms. Kaja Lotman (Estonia), Mr. Per Ole Syvertsen (Norway).

As Resolution 5.6 on Wind Turbines and Bat Populations requests the Advisory Committee to keep the generic guidelines updated, the IWG met in Budapest and decided to continue:

- Compiling references on the impact of wind turbines on bats. Up to now we have received no new reference, but new articles are announced to come from Sweden.

As in the previous triennium, each member of the IWG aware of new reports and/or publications will inform the other members of the group of the existing reference and will ensure to have access to it.

- Collecting data on bat mortality at wind turbines. The list of bat fatalities in Europe will be provided to the group members and will be updated regularly.

Members of the IWG should:

- Produce feedback on the implementation of Eurobats guidelines in their own country,
- Make comments on missing issues in the guidelines for up-dating these later on.

The two tables mentioned in the guidelines (table 1: European studies, and table 2: Bat behaviour in relation to wind turbines) will also need regular updating.

## **Report of the IWG on Conservation and Management of Critical Feeding Areas and Commuting Routes**

### Members of the IWG (revised in AC12):

Ms. Eeva-Maria Kyheröinen (Finland, Convenor), Ms. Marie-Jo Dubourg-Savage (SFEPM, France), Dr. Suren Gazaryan (Russian Federation), Ms. Lena Godlevska (Ukraine), Dr. Christine Harbusch (NABU, Germany), Ms. Kaja Lotman (Estonia), Dr. Ferdia Marnell (Ireland), Dr. Tony Mitchell-Jones (United Kingdom), Dr. Danilo Russo (Italy), Mr. Per Ole Syvertsen (Norway).

### Delegates present at the meeting in AC12 besides of those mentioned above:

Dr. Dino Scaravelli (San Marino), Mr. Primož Presetnik (CKFF, Slovenia).

### Terms of reference:

Referring to the Resolution 4.9, point 4: Foraging habitats; to produce a synthesis of methods used to study the critical feeding areas and commuting routes and to produce guidance for the national guidelines for bat habitat conservation.

### Meeting during AC12:

So far the group has worked mainly with the literature review on the topic of critical feeding areas. During the AC Meeting the group had two meetings. It was agreed that the drafting of the guidance for the national guidelines will be started with the species accounts. The group checked whether there are references for species listed in the Annex of the Agreement and decided about the writing responsibilities of each group member concerning the species.

### Plan of action:

After the AC12 Meeting the Convenor will send updated versions of all relevant documents (the list of references, literature review Excel sheet, species list and the list of elements for the guidance document). The convenor will also send an example text for the species account during May and the group members will then write their dedicated species accounts until Christmas 2007. In the next AC Meeting the group will present the first draft of the guidance, including the species accounts and an introductory part at this stage.

## **Bats as Indicators**

Participants: Dr. Kate Jones (BCT, United Kingdom, Convenor), Dr. Stéphane Aulagnier (France), Dr. Jessamy Battersby (United Kingdom), Prof. Wieslaw Bogdanowicz (Poland), Dr. Alexander Bukhnikashvili (Georgia), Ms. Amy Coyte (BCT, United Kingdom), Ms. Edmée Engel (Luxemborg), Ms. Daniela Hamidovic (Croatian Natural

History Museum), Dr. Nathalie Lacour (France), Dr. Ferdia Marnell (Ireland), Prof. Branko Micevski (FYR Macedonia), Mr. Ioseb Natradze (Georgia), Mr. Primož Presetnic (CKFF/Slovenia), Prof. Irina Rakhmatulina (Azerbaijan), Dr. Dino Scaravelli (Republic of San Marino), Ms. Abigel Szodoray-Paradí (Romanian Bat Protection Association).

The working group met twice during the Meeting. The first meeting went through the report produced by Dr. Karen Haysom (BCT, United Kingdom) following AC11. Since this Meeting, work on Bats as Bio-Indicators has consisted of:

- (1) A submission by EUROBATS for the potential to use bats as Pan-European indicators for the 2010 targets to the SEBI2010 Species Expert Panel. This submission was given a grade C, suggesting that bats had potential to act as indicators for the 2010 targets but a lot more resources were required to develop them. The SEBI2010 panel recognised that the information for bats on a European-wide level was either not collated, or appropriate monitoring systems were not in place, and the resources required for these needed to be developed further.
- (2) Development of a submission to the UK – SEBI2010 Species Expert Panel to use bats as indicators for the United Kingdom by Dr. Kate Jones (ZSL/BCT) and Mr. Steve Langton (BCT). They have used the UK's NBMP data on population trends of bat species over ten years to produce trend lines of species in three habitats (woodland, farmland and urban). BCT are planning to submit this proposal in the next few months for possible inclusion in the 2010 targets.

The group discussed the concept of indicators and the value of the approach and recognised the need for further research on whether bats could be used as indicators and what they indicate. Dr. Stéphane Aulagnier (France) mentioned that France is also developing an indicator approach and has data for birds and butterflies as well as some time series data for bats.

The second meeting started with a discussion of why we want to try to include bats as bio-indicators. Two main reasons were proposed:

- (1) *Policy Implications and Profile Raising.* Bats could complement the information provided by existing taxonomic groups such as birds and butterflies. This would raise the profile of bats on the international biodiversity agenda and enables a fund raising mechanism for long-term monitoring.

(2) *Importance in Landscape Planning.* It was suggested that using bats as landscape-wide indicators of ecosystem function (clean water, insect abundance) would facilitate effective planning of sustainable development.

The group considered that the purpose of the IWG might be to raise the profile of bats, rather than of how we develop bats as bio-indicators. The group thought that there were a number of potential approaches, such as using bats as keystone or flagship species but concluded that this meeting should focus on discussing the Bats as bio-indicators approach. The group went through the list of headline CBD bio-indicators and discussed in turn, the value and the feasibility of using bats to complement existing taxa or approaches. The group highlighted four CBD headline indicators that we could move forward on now and four where further work was required to assess their value for bats. These were as follows:

*CBD2 & 3. Trends in Abundance / Distribution of Species & Change in Status of Protected Species*

While the group recognized that directly comparable time-series data on trends in the distribution and abundance of species and protected species was not available on a Pan-European level, there was still potential to easily collate useful information. Countries in the EU are obliged to report on the conservation status listed on the Annexes to the Habitats Directive. The data from these reports (and any other national reports, e.g., UK Biodiversity Action Plans) could be collated for a metadata analysis of the status of populations across Europe. We could also use assessments of protected species status from IUCN Global Mammal Assessments. However, the group emphasized the importance of the development and implementation of the IWG's monitoring protocols group and the development of a Pan-European monitoring scheme as an umbrella to develop national monitoring schemes which would ultimately provide the data needed for this indicator.

Action Points:

1. Ask EUROBATS Secretariat to request EU countries to provide copies of their national Conservation Assessment Reports to the convener of the group.
2. Discuss with Tony Hutson (IUCN) about using data from the Global Mammal Assessment.
3. IWG to collate information to generate population trends of bats across Europe by next AC Meeting.

#### *CBD6. Area of Agriculture / Forestry under Sustainable Management*

The group suggested that bats could indicate the effects/benefits of sustainable management of forests. The group suggested that the IWG on forests might be able to inform this group on the value of this approach.

#### Action Points:

1. Discuss this CBD headline indicator with the IWG Forest group by next AC Meeting.

#### *CBD9. Impact of Climate Change*

This was seen as potentially important but more research was required to quantify how and what species would be impacted by changes in climate. Bats have potential to be impacted, especially migratory species and because of their reliance on hibernation and fluctuations in insect abundance (themselves sensitive to temperature). The group proposed to start to use climate envelope modelling to model current distributions and use different future scenarios of climate change to understand the change in distributions and therefore the different potential impacts on different species.

#### Action Points:

1. Prof. Wieslaw Bogdanowicz (Poland) and Dr. Kate Jones (ZSL/BCT) to work together to start modelling effects of climate change on a number of bat species by next IWG meeting.
2. Look at other existing projects (e.g. Monarch – Oxford University) that are doing this for other taxa.

#### *CBD 11&12. Connectivity of Ecosystems & Water Quality*

These headline bio-indicators were thought to have potential for including bats, but that there was more research required to quantify the relationship between connectivity of ecosystems and water quality and bat species richness and abundances. The group recommended a literature review to investigate this question.

#### Action Points:

1. Ms. Daniela Hamidovic (Croatian Natural History Museum) and Prof. Wieslaw Bogdanowicz (Poland) to conduct a literature review by next AC Meeting.

#### *CBD14&15. Funding Biodiversity & Public Awareness and Participation*

The group felt that we had the greatest amount of information and spread of information across Europe for bats for these bio-indicators. For 'Funding Biodiversity', the group could easily collate information on the increase in membership in EUROBATs, contributions to the Secretariat from Parties, how many governmental and non-

governmental grants have supported bat projects. For 'Public awareness and participation', the group could collate over the past few years the amount of volunteer participation, number of NGOs formed, number of leaflets/posters produced. It was suggested that the group needs to generate a questionnaire to gather this information from the Parties.

**Action Points:**

1. Generate a questionnaire to gather this information, pass around to Parties and collate data for next AC Meeting.

**Conclusion:**

The group concluded that the IWG's work was important and that we could collate the necessary information to make a case for including bats. By including more taxonomic groups and ones with different ecological niches, the inclusion of bats would make the indicators that the CBD use more robust.

**Overall Action Points:**

1. Collate available information for next AC Meeting to make a case to the CBD for including bats as bio-indicators in the long-term beyond 2010 targets.
2. Discuss our intentions with CBD to support the development and funding of bats as indicators.

**Implementation Review**

**Members of Group:** Dr. Jane Goodwin (United Kingdom, Convenor), Prof. Wieslaw Bogdanowicz (Poland), Dr. Aurora Dibra (Albania), Ms. Daniela Hamidovic (Croatian Natural History Museum), Mr. Ludo Holsbeek (Belgium), Ms. Laura Janulaitiene (Lithuania), Dr. Nathalie Lacour (France), Ms. Marie Nedinge (Sweden), Ms. Anna Prager (Hungary), Mr. Oliver Schall (Germany).

**Aims:**

To review implementation activities outstanding from the past triennium and before.

Identify work plan priorities and future operation of working groups taking into account the implementation priorities recommended by the Standing Committee.

**Outcomes:**

*1) Improve implementation reporting by individual countries to obtain clearer indication of progress with the Agreement*

The EUROBATS Executive Secretary informed that under the auspices of the CMS Secretariat an internet questionnaire for reporting is already in preparation. The different

Agreement Secretariats will be asked for their amendments and therefore help with this is welcome from the AC.

This should use the same methodology as used for Annex II and IV population status exercise under the Habitats Directive. A first draft of an example questionnaire has been developed by Mr. Ludo Holsbeek.

Secretariat to remind countries to send reports 6 months before the MOP and remind again if not received in time.

*2) Ensure that Resolutions of the Agreement are communicated effectively to European Commission and European Parliament and delivery bodies within individual Governments.*

Secretariat to send reports and resolutions to key departments in the EC and EP that are responsible for these areas such as agriculture, culture, highways and industry.

Secretariat to follow up further communications with the EC and EP and to report progress.

Each country in EUROBATS to follow up in their own country.

*3) Progress with Resolutions and Working Groups.*

Spreadsheet of progress updated up to MOP 5 and attached to this report (Annex 3).

The Secretariat to update this spreadsheet in the future.

*4) Identify priorities.*

Many working groups are making good progress and many reports are due to be completed shortly. Further work has been identified from the Conservation and Management Plan regarding bat conservation and sustainable forest management, and the impact of land management and development on foraging areas and linear features associated with roosts.

Priorities identified by the Standing Committee:

- The publication of the guidelines for the protection of overground roosts with particular reference to roosts in buildings of cultural heritage importance (could merit an IWG)
- Climate change in conjunction with bat populations and wind turbines (could merit an IWG)
- 2010 deadline to halt the loss of biodiversity (already being taken forward)
- Pan-European bat monitoring (already being taken forward)
- Global Year of the bat (does this merit a working group?)

5) *A number of requests have also been made to for new IWGs:*

- Light pollution
- Impact of roads and infrastructure
- Bats and rabies (does this merit a working group?)

(plus Climate change as mentioned above)

6) *Establishment of new IWG's*

Questions to Plenary:

Do we create new working groups to take forward this priority work or continue the critical feeding areas and forest IWGs?

Are items in 5 and 6 above priority areas of work?

Do we create new formal IWGs in this AC and which ones, or form informal discussion groups between this AC and next AC and present these results at the next AC to decide whether a formal IWG is required?

The Secretariat is to assist the new IWGs to obtain background information in these new subject areas.

7) *Group agreed to meet at next AC.*

Discussion during Plenary:

8) *The Secretariat agreed to send out reminders 6 months before the MOP for the reports. This is usually carried out 90 days (3 months) before the MOP.*

9) *Formation of Intersessional Working Groups*

It was agreed IWGs should continue for critical feeding areas and forestry (Dr. Tony Mitchell-Jones offered to become the new convenor of the forestry IWG). The Pan-European bat monitoring project is being taken forward by the monitoring guidelines IWG and work on over ground roosts is almost complete. Meeting the 2010 deadline to halt the loss of biodiversity is already being taken forward by most countries using other strategies.

It was agreed that an IWG was not necessary for bats and rabies as there are experts present at the AC that may deal with any queries that arise in the future.

New IWGs were created for:

- Impact of roads and infrastructure – convened by Dr. Nathalie Lacour (France);
- Light pollution – convened by Mr. Ludo Holsbeek (Belgium);
- Global Year of the bat – convened by Dr. Nathalie Lacour (France) and Mr. Oliver Schall (Germany);
- Climate change – informal discussion to be led by Mr. Tony Hutson (IUCN/SSC).

## **Impact of roads and other traffic infrastructures on bats**

Participants: Dr. Nathalie Lacour (France, Convenor), Mr. Serghei Andreev (Republic of Moldova), Dr. Stéphane Aulagnier (France), Dr. Josef Chytil (Czech Republic), Ms. Amy Coyte (BCT, United Kingdom), Dr. Christine Harbusch (NABU, Germany), Prof. Branko Micevski (FYR Macedonia), Dr. Dino Scaravelli (Republic of San Marino), Ms. Abigel Szodoray-Paradi (Romanian Bat Protection Association).

### Aim:

To take into account the protection of bats and minimizing the impact of roads and other infrastructures (railways, airports) on bats.

### Objectives:

- Collect and review the different studies, scientific literature and impact assessment reports available on bat mortality, habitat fragmentation relating to roads, railways etc.
- Collect and review technical documents on the approach to road building and landscape management able to minimize impacts when constructing new infrastructures.
- Produce general guidelines to raise awareness on the impact of traffic infrastructures on bats and provide some advice for evaluating mortality, fragmentation of habitats and others impacts on bats.
- Prepare a resolution in order to take into account bats in impact assessments of all traffic infrastructures.

### Work planned before the next Advisory Committee Meeting

- Prepare and circulate a questionnaire to all Parties and Range States (deadline: November 2007), the questionnaire could be send by the Secretariat;
- Compile the results;
- Make an analysis of the first responses in order to make a report for AC13.

## **Light Pollution**

Participants: Mr. Ludo Holsbeek (Belgium, Convenor), Mr. Laurent Biraschi (Luxembourg), Dr. Aurora Dibra (Albania), Ms. Marie-Jo Dubourg-Savage (SFEPM, France), Ms. Edmée Engel (Luxembourg), Ms. Lena Godlevska (Ukraine), Ms. Daniela Hamidović (Croatian Natural History Museum), Ms. Anna Práger (Hungary), Mr. Primož Presetnik (CKFF, Slovenia), Dr. Danilo Russo (Italy), Ms. Triinu Torv (Estonia).

Influence of light pollution is already considered by CMS as a problem, mainly for night time migratory birds, but also for bats.

There are three main areas that can be identified:

- 1) Interaction with feeding activity, including prey distribution and intra bat species competition;
- 2) (In)direct effects on roosts;
- 3) Effects on commuting - all non-feeding related movements, including barrier function of lit roads and fragmentation of the night landscape.

The group will make an extensive literature review on existing information, coupling back to scientific teams that are already active in this field, as well as with groups working on insects and bird migration.

Coupling back to conclusions from the IWG on wind turbines in relation with light.

Reviewing existing laws and regulations with regard to light pollution.

End point:

- 1) Assessment of the different aspects of impact of light on the various bat species.
- 2) Methodological guidelines to survey the effect of light pollution (experimental design of studies).
- 3) Conservation guidelines (case specific).

Time line:

- 1) Literature review to be finished by December;
- 2) Splitting different sub-topics among the group components;
- 3) Draft of assessment of critical points available by next AC Meeting.

**2011 - Year of the Bat**

In a first exchange Dr. Nathalie Lacour (France) and Mr. Oliver Schall (Germany) jointly agreed to function as Convenors of the IWG "Year of the Bat". Ms. Amy Coyte (BCT, United Kingdom), Dr. Edmée Engel (Luxembourg), Ms. Jane Goodwin (United Kingdom) and Dr. Christine Harbusch (NABU, Germany) expressed their interest to become members of this group.

In a first brainstorming with Luxembourg and NABU the following issues were discussed:

- Potential goals of the event;
- Possibilities to attract public awareness;
- Potential strategic approaches;
- Combining the event with 20 years EUROBATs.

The “Year of the Bat” – an event primarily under the auspices of UNEP/CMS - is foreseen for 2011. Therefore it appears sufficient having a first regular meeting of this IWG in 2008 – e.g. at the next AC Meeting. In the meantime the above mentioned brainstorming results will be forwarded to all members of the IWG and the Secretariat for first comments and amendments by mail exchange – at first in a French version (France), followed by an English version (Germany).

### **Discussion group on Climate Change**

Present: Mr. Tony Hutson (Co-ordinator, IUCN/SSC), Dr. Suren Gazaryan (Russian Federation), Dr. Kate Jones (BCT, United Kingdom), Dr. Matti Masing (Estonian Bat Group), Mr. Milan Paunovic (Republic of Serbia), Mr. Per Ole Syvertson (Norway).

Inf.EUROBATS.AC11.30 discussed a DEFRA (United Kingdom) report published in 2005 and included recommendations for bats. The group agreed that further synthesis of the issues recognised in the report would be developed for discussion. It would also act as an appeal for further issues to be identified and available evidence of impacts of climate change. The group recognized the importance of the IWG on Monitoring and that on Indicators. It further recognized the importance of the results of the modelling proposed by member of the Indicators group.

The question of impacts, threats, adaptation and potential benefits were mentioned.

The group will assess which issues may be of relevance to EUROBATS and will report back to AC13 on its finding, including whether the group feels the need for the establishment of a specific IWG.

### **12. Date and venue of the 13<sup>th</sup> Meeting of the Advisory Committee**

The Executive Secretary informed that in view of the fact that no funds had been allocated by MoP5 in 2008 for organising the AC13 Meeting, it would be the most reasonable solution to follow the recommendation to hold the Meeting back to back with the 11<sup>th</sup> European Bat Research Symposium in Cluj, Romania (August 2008). The Secretariat would contact the Romanian Ministry of Environment in order to obtain a formal invitation. The Committee agreed to this proposal.

### **13. Any other business**

Mr. Zoltan Bihari gave an impressive presentation about the bat fauna in Hungary.

Mr. Oliver Schall made a press release available which informed about a very remarkable project in Germany. Old basalt mines dating from Roman times that are an important hibernation site and summer roost of European importance for at least 15 bat

species will be purchased for bat conservation, research and public awareness raising. The project budget amounts to 4.6 Million Euro.

#### **14. Adoption of the Record of the Meeting**

The Record of the Meeting was adopted.

#### **15. Close of Meeting**

The Executive Secretary thanked once again the Hungarian hosts for having invited for the Meeting. He also thanked the participants for their most valuable contributions and the very good results achieved. In particular he thanked his team, Ms. Ayhan Polat, Ms. Christine Boye and Ms. Sevim Uen for their excellent work and commitment.

The Chair expressed his thanks towards the Hungarian hosts for helping the Secretariat with the organisation of the Meeting and with selecting the excellent venue. He also thanked the Executive Secretary and his staff members for the enormous work they did and that has made the Meeting so successful. Further he thanked the acting Vice-Chair for his skilled support during the Meeting and the participants for their fruitful contributions for carrying forward the implementation of the Agreement.

The Meeting was then closed at 19:00 h on 8 May 2007.

## 12<sup>th</sup> Meeting of the Advisory Committee

Budapest, Hungary, 7 – 8 May 2007

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12<sup>th</sup> Meeting of the Advisory Committee

Budapest, Hungary, 7 - 8 May 2007

Intersessional Working Groups



<p>Transboundary Programme – Habitats: Data Compilation</p>	<p>Dr. Anthony Mitchell-Jones (United Kingdom)* Dr. Zoltán Bihari (Hungary) Dr. Matti Masing (Estonian Bat Group) Ms. Luisa Rodrigues (Portugal)</p>
<p>Producing Guidelines on Bat Monitoring Methods to Assess Population Trends at Different Levels</p>	<p>Dr. Jessamy Battersby (United Kingdom)* Mr. Serghei Andreev (Republic of Moldova) Dr. Stéphane Aulagnier (France) Dr. Zoltan Bihari (Hungary) Ms. Amy Coyte (BCT, United Kingdom) Dr. Edmée Engel (Luxembourg) Dr. Suren Gazaryan (Russian Federation) Ms. Daniela Hamidović (Croatian Natural History Museum) Dr. Christine Harbusch (NABU, Germany) Dr. Karen Haysom (BCT, United Kingdom) Mr. Anthony M. Hutson (IUCN) Dr. Katherine Jones (BCT, United Kingdom) Mr. Branko Karapandza (MUSTELA, Republic of Serbia) Mr. Andrzej Kepel (SALAMANDRA, Poland) Mr. Herman Limpens (The Netherlands) Mr. Lauri Lutsar (Estonian Fund for Nature) Dr. Ferdia Marnell (Ireland) Dr. Matti Masing (Estonian Bat Group) Prof. Branko Micevski (FYR Macedonia) Mr. Edvardas Mickevičius (Lithuanian Theriological Society) Dr. Dumitru Murariu (Romania) Mr. Ioseb Natradze (Georgia) Mr. Jacques Pir (Luxembourg) Mr. Primož Presetnik (CKFF, Slovenia) Ms. Luisa Rodrigues (Portugal) Mr. Bernd-Ulrich Rudolph (Germany) Dr. Danilo Russo (Italy) Dr. Dino Scaravelli (Republic of San Marino) Dr. Friedrike Spitzenberger (Austria) Ms. Abigel Szodoray-Paradi (Romanian Bat Protection Association) Ms. Triinu Torv (Estonia)</p>

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<p>Wind Turbines and Bat Populations</p>	<p>Ms. Luísa Rodrigues (Portugal)*  Mr. Lothar Bach (Germany)  Mr. Laurent Biraschi (Luxembourg)  Ms. Marie-Jo Dubourg-Savage (SFEPM, France)  Ms. Jane Goodwin (United Kingdom)  Dr. Christine Harbusch (NABU, Germany)  Mr. Anthony M. Hutson (IUCN)  Ms. Eeva-Maria Kyheröinen (Finland)  Ms. Kaja Lotman (Estonia)  Mr. Lauri Lutsar (Estonian Fund for Nature)  Mr. Per Ole Syvertsen (Norway)</p>
<p>Conservation and Management of Critical Feeding Areas and Commuting Routes</p>	<p>Ms. Eeva-Maria Kyheröinen (Finland)*  Ms. Marie-Jo Dubourg-Savage (France)  Dr. Suren Gazaryan (Russian Federation)  Ms. Lena Godlevska (Ukraine)  Dr. Christine Harbusch (NABU, Germany)  Ms. Kaja Lotman (Estonia)  Dr. Ferdia Marnell (Ireland)  Dr. Anthony J. Mitchell-Jones (United Kingdom)  Dr. Danilo Russo (Italy)  Mr. Per Ole Syvertsen (Norway)</p>
<p>Bats as Indicators</p>	<p>Dr. Katherine Jones (BCT, United Kingdom)*  Dr. Jessamy Battersby (United Kingdom)  Prof. Wieslaw Bogdanovic (Poland)  Mr. Alexander Bukhnikashvili (CAMPESTER, Georgia)  Ms. Amy Coyte (BCT, United Kingdom)  Dr. Edmée Engel (Luxembourg)  Ms. Daniela Hamidovic (Croatian Natural History Museum)  Mr. Branko Karapandza (MUSTELA, Republic of Serbia)  Dr. Nathalie Lacour (France)  Dr. Ferdia Marnell (Ireland)  Prof. Branko Micevski (FYR Macedonia)  Mr. Ioseb Natradze (Georgia)  Mr. Primož Presetnik (CKFF, Slovenia)  Prof. Irina Rakhmatulina (Azerbaijan)  Dr. Guido Reiter (KFFÖ, Austria)  Dr. Dino Scaravelli (Republic of San Marino)  Dr. Friederike Spitzenberger (Austria)  Ms. Abigel Szodoray-Paradi (Romanian Bat Protection Association)  Dr. Nikola Tvrtković (Croatia)  Ms. Libuse Vlasakova (Czech Republic)</p>

Impact of Roads and Other Traffic Infrastructures on Bats	<p>Dr. Nathalie Lacour (France) *</p> <p>Mr. Serghei Andreev (Republic of Moldova)</p> <p>Dr. Stéphane Aulagnier (France)</p> <p>Dr. Josef Chytil (Czech Republic)</p> <p>Ms. Amy Coyte (BCT, United Kingdom)</p> <p>Dr. Christine Harbusch (NABU, Germany)</p> <p>Mr. Herman Limpens (The Netherlands)</p> <p>Prof. Branko Micevski (FYR Macedonia)</p> <p>Ms. Luisa Rodrigues (Portugal)</p> <p>Dr. Dino Scaravelli (Republic of San Marino)</p> <p>Ms. Abigel Szodoray-Paradí (Romanian Bat Protection Association)</p>
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2011 – Year of the Bat	<p>Dr. Nathalie Lacour (France) *</p> <p>Mr. Oliver Schall (Germany) *</p> <p>Ms. Amy Coyte (BCT; United Kingdom)</p> <p>Dr. Edmée Engel (Luxembourg)</p> <p>Ms. Jane Goodwin (United Kingdom)</p> <p>Dr. Christine Harbusch (NABU, Germany)</p>

\* = Convenor

**Implementation review (updated at AC12)**

This document was prepared by Luisa Rodrigues in 2003, and analysed during MoP4 by Luisa Rodrigues, Peter Lina, Tony Hutson, Peter Boye, Stéphane Aulagnier, Jessamy Battersby, Tony Mitchell-Jones and Duncan Williams. During the analysis, two documents prepared by Jessamy Battersby were also taken into account. After the MoP4, the table was completed by Luisa Rodrigues. A document prepared by Peter Boye was taken into consideration.

The document was updated during AC12 by the Implementation Review group and after the Meeting by the Secretariat.

**Bold: Outstanding actions**

<b>Resolutions with actions to be done by AC or Secretariat</b>	<b>Actions</b>	<b>Evolution of the work</b>	<b>Situation</b>
<b>MoP1</b> - Res. Clarification of area of Agreement	AC to identify migration ranges and present to MoP2		analysed again in MoP2
<b>MoP1</b> – Res. 1995-98 Plan	AC to determine monitoring methodologies  <b>4.9: AC to produce “Guidelines on monitoring methodologies”</b>	<u>AC9</u> : Establishment of IWG <u>AC10-11</u> : IWG continues to work	Done (Res. 2.2)  <b>IWG ongoing at AC12</b>
	AC to prepare priority list for autecological studies		analysed again in MoP2
	AC to prepare programme proposal for trans-boundary research and long-term monitoring of migration routes and present to MoP2		Done (Res. 2.3)
<b>2.2</b> – Consistent monitoring methodologies	Secretariat (with AC) to establish database of monitoring activities and present to MoP3	<u>AC4</u> : Sec present doc; establishment of IWG <u>AC5</u> : Establishment of another IWG <u>AC6</u> : IWG continues to work <u>AC7</u> : IWG dissolved	Done (not possible to prepare database of monitoring data)
	AC to (1) Review intersessional progress of Secretariat’s and Parties monitoring work (2) Refine guidelines and present to MoP3	<u>AC4</u> : Establishment of IWG <u>AC5</u> : IWG continues to work <u>AC6</u> : IWG continues to work <u>AC7</u> : IWG dissolved	<b>(1) Missing (datasheet on methodologies prepared by Jessamy)</b>  (2) Done (no need to change).  Work completed by AC12
<b>2.3</b> – Transboundary programme: species proposals	Secretariat (with AC) to use savings and seek external funding to encourage projects on <i>M. dasycneme</i> e <i>P. nathusii</i> (description in annex; developed and implemented by an external agency) and present to MoP3	<u>AC4</u> : revision of Draft Action Plans of <i>M. dasycneme</i> and <i>R. ferrumequinum</i> <u>AC6</u> : suggest that EUROBATS should (1) ask Range States to identify activities in reports, (2) use activities of Plan and Underground habitats to assist in setting	It was considered that this item was included in Res. 2.2, but it would be good if someone could analyse the process and confirm if any other actions should be proposed.

	<p><b>4.9: AC to prepare recommendations on future work required to assess timing and distribution patterns of migration (this should lead in due course to recommendations on the conservation of migratory species)</b></p>	<p>criteria for site assessment, (3) initiate prioritisation of research (with Res. on priority species), (4) co-ordinate monitoring (with Species Monitoring)  <u>AC9</u>: Establishment of IWG  <u>AC10-11</u>: IWG continues to work</p>	<p><b>IWG ongoing at AC12</b></p>
<p><b>2.4 – Transboundary programme: habitat proposals</b></p>	<p>AC to assess national data on underground roosts</p> <ol style="list-style-type: none"> <li>1. Compilation of data</li> <li>2. Evaluation</li> <li>3. Guidelines for protection and management of roosts</li> </ol> <p><b>4.3: AC to prepare “Guidelines for the conservation and management of underground habitats for bats”</b></p>	<p><u>AC4</u>: Establishment of IWG  <u>AC5</u>: IWG continues to work  <u>AC6</u>: IWG continues to work  <u>AC7</u>: IWG continues to work  <u>AC8</u>: IWG continues to work  <u>MoP4</u>: <b>4.3</b>  <u>AC9-11</u>: IWG continues to work</p>	<p><b>IWG ongoing at AC12 and work close to completion</b></p>
	<p>AC to assess national data on forests</p> <ol style="list-style-type: none"> <li>1. Data collection</li> <li>2. Assessment</li> <li>3. Compilation and evaluation</li> <li>4. Recommendations and guidelines</li> </ol> <p><b>4.4</b></p> <ol style="list-style-type: none"> <li>1. <b>Secretariat to collate information for forest managers and forest workers</b></li> <li>2. <b>AC to instigate the investigation and, if appropriate, the development of the use of bats as indicators</b></li> <li>3. <b>AC to prepare “Guidelines on bat-friendly forestry practices”</b></li> </ol>	<p><u>AC4</u>: Establishment of IWG  <u>AC5</u>: IWG continues to work  <u>AC6</u>: Establishment of another IWG  <u>AC7</u>: IWG continues to work  <u>AC8</u>: WG review Draft Res.  <u>MoP4</u>: <b>4.4</b></p>	<p>Done (Res. 4.9)</p> <p><b>Forest Working Group resurrected at AC12</b></p>
<p><b>2.5 – Geographical scope</b></p>	<p>Secretariat to investigate if Canary Islands, Madeira and Azores should be included and present to MoP3</p>	<p><u>AC5</u>: Sec presented Draft Res; WG prepared list of species; Draft Res postponed  <u>AC8</u>: WG tried to analyse countries of occurrence of species of EUROBATS. IWG will prepare list of countries</p>	<p>Closed by AC12</p>



	Directs AC priority: buildings industry awareness (action 21)	<u>AC4</u> : Establishment of IWG (actions 20 + 21) <u>AC5</u> : IWG continues to work <u>AC6</u> : IWG dissolved	It was considered that it was not worth to continue this topic
	Directs AC priority: pesticides (action 22)  <b>4.9: AC to review the impact of anti-parasitic drugs for livestock on bat populations</b>	<u>AC4</u> : Establishment of IWG (actions 22 + 23) <u>AC5</u> : IWG continues to work <u>AC6</u> : IWG continues to work <u>AC7</u> : IWG dissolved <u>AC9</u> : Establishment of IWG on antiparasitic drugs	Done (Res. 4.5)  <b>IWG continues at AC12 and work close to completion</b>
	Directs AC priority: pesticides (action 23)	<u>AC4</u> : Establishment of IWG (actions 22 + 23) <u>AC5</u> : IWG continues to work <u>AC6</u> : IWG continues to work <u>AC7</u> : IWG dissolved	Done (Res. 4.9)
	Directs AC priority: continue work on use of linear features	<u>AC7</u> : decide to circulate document in AC8 and consider in conjunction with agricultural biodiversity issues in relation to CBD and CMS <u>AC8</u> : decide to analyse document in AC9	Done (Res. 4.9)
	AC to review needs for a European Bat Information Centre and present to MoP3	<u>AC3</u> : decides that this topic should be discussed in AC4	Done (part is included in guidelines for permits for ringing)
	AC to investigate initiatives of international co-operation, and review them annually		It was considered that it was not worth to continue this topic
<b>3.6 – Guidelines for permits for ringing or other marking</b>	AC to prepare guidelines for permits for ringing or other marking  <b>4.6: AC to continue to develop and, as appropriate, revise the annexes</b>	<u>AC5</u> : Sec presented Draft Res on restriction of ringing during hibernation; WG suggested AC to prepare guidelines for permits for ringing or other marking <u>MoP3</u> : Establishment of IWG <u>AC6</u> : IWG continues to work <u>AC7</u> : IWG continues to work <u>AC8</u> : IWG to continue to develop and, as appropriate, revise the annexes	Done (Res. 4.6)  IWG finished by AC12
<b>4.7 – Wind turbines and bat populations</b>	<b>AC to assess the evidence of the impact and, if appropriate, develop guidelines for assessing potential impacts on bats and for the establishment of wind turbines</b>	<u>AC9</u> : Establishment of IWG	<b>IWG continues at AC12</b>

Future operation of AC and IWG	Secretariat to identify actions to be taken after meetings and communicate to members		<b>In course</b>
	Secretariat to investigate discussion forum on website		<b>In course</b>
	Chair and Vice-Chair to provide more proactive role in co-ordination of IWG		<b>In course</b>
4.9 – 2003-2006 Plan	<ol style="list-style-type: none"> <li><b>AC to gather information on methods used to identify critical feeding areas close to important maternity colonies</b></li> <li><b>AC to prepare general guidance for supporting the preparation of National Guidelines on bat habitats conservation</b></li> </ol>	<u>AC9</u> : Establishment of IWGs	<p><b>IWG continues at AC12</b></p> <p><b>AC12 agreed to take forward work as part of the Critical feeding areas IWG</b></p>
Joint work programme of CBD and CMS 4.10	<p>4.10</p> <ol style="list-style-type: none"> <li><b>AC to review KWP and develop proposals for the JWP 2006 onwards</b></li> <li><b>Sec to carry forward the proposals developed by AC to CMS</b></li> </ol>	<p><u>AC7</u>: decides to reanalyse document in 8AC. Decides to discuss in MoP4</p> <p><u>AC8</u>: <b>Sec (assisted by AC) to contact MCPFE. When co-operation is established, develop guidelines on bat-friendly forestry practises in consultation with MCPFE</b></p> <p><u>AC9</u>: Establishment of IWG</p>	<p>Done (Res. 4.9)</p> <p><b>IWG to be resurrected at AC12?</b></p>
<b>MOP5 Resolutions</b>			
5.2 Bats and Rabies in Europe	Maintain collaboration with bats workers and keep up to date with developments	Deal with queries and questions, and maintain presence at international meetings.	<b>IWG was not created at IWG12</b>
5.4 Monitoring bats across Europe	Support the development of long-term pan- European surveillance to provide Europe wide population trends for bat species and site condition monitoring or protected sites for bats with particular reference to underground sites.	Develop project and obtain funds	<b>Work to be taken forward as part of the monitoring guidelines IWG at AC12</b>
5.12 Global Year of the bat	Parties to make additional efforts in the year 2008 to promote bat conservation and public awareness of problems bats are facing.	Decision at Standing Committee to delay until 2011. Decide a strategy for taking this forward.	<b>IWG created at AC12</b>