

**PROGRESS REPORT ON PARDAEW
(Pilot Analysis of Ringing Data for African-Eurasian Waterbirds)**

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January 2005

A) Progress made

1. The PARDAEW project is aimed at addressing the requirements of Priority 19 of AEWA, and is subject to a contractual agreement between AEWA and the University of Cape Town. Because the requirement of a progress report in October 2004 was overlooked (apologies!), this report will cover a 12-month period, in some detail.
2. Work on PARDAEW commenced in the Avian Demography Unit (ADU) in January 2004 with James Harrison as Project Coordinator.
3. The initial idea was to approach all African and Eurasian ringing schemes in the AEWA region and solicit their support for PARDAEW. Relevant email addresses were obtained from the EURING website and from the South African Ringing Scheme (SAFRING) mailing list. A letter was prepared and distributed to all 60+ schemes (see Appendix 1). In addition, an effort was made to send the same letter to several key people in Africa, even some who are not actually in charge of an official ringing scheme.
4. Although all but a few of the emails reached their destination, the response to the initial letter was very poor. Responses were obtained from only nine schemes. Some weeks were wasted in waiting for responses to the letter.
5. Some responses, specifically those from Fernando Spina (FS) and Stephen Baillie, pointed to the importance of liaising specifically with the board of EURING, and the fact that past, unsuccessful EURING funding applications (in 2001 and 2002) and areas of current EURING work (specifically the EURINDEX initiative) overlapped significantly with PARDAEW.
6. It emerged clearly that a more appropriate strategy would be to work through EURING, a federation of ringing schemes to which most European schemes are affiliated (see section B). To this end, communications were opened specifically with FS, chairman of the board of EURING, early in February 2004. These communications included a draft of a follow-up letter to send to ringing schemes, together with a questionnaire on what relevant data were available at the various schemes.

7. A response from FS in March 2004 made it clear that, although EURING was keen to participate fully in PARDAEW, funding to support the work to be done by EURING would be a critical factor. FS offered, as chairman of EURING, to circulate a letter and the data questionnaire on behalf of PARDAEW; this was done in late March.
8. In the meantime, I made arrangements to hold a side meeting at the *Waterbirds Around the World* conference in Edinburgh, in April 2004. I also made contact with Mr Rinse Wassenaar, manager of the EURING database, and arranged to visit him at the Netherlands Institute of Ecology in Heteren.
9. My visit to Heteren was pleasant and useful. Rinse was exceptionally hospitable and helpful. I obtained a better understanding of the workings of the EURING database and some of the technical difficulties that a major analysis of ring recoveries would need to deal with.
10. Other relevant meetings at Heteren were with Dr Gerrit Speek of the Dutch ringing scheme and with Dr Ari van Noordwijk of NIOO. Dr Van Noordwijk expressed an interest and willingness to serve on the PARDAEW Working Committee and to contribute at least to the report on recommendations for future ringing effort on migratory waterbirds. I was also shown the output of the EURINDEX project and it was clear that this initiative would provide much of the information necessary for determining the size and geographical extent of data holdings relevant to PARDAEW.
11. The PARDAEW side meeting in Edinburgh was not well attended (a total of 10 delegates, including me), apparently because very few ringing organizers were at the conference. I presented a general introduction to PARDAEW. Discussion led to agreement that that a Working Committee should be established, with representatives from the ADU and EURING forming the core of the committee. This committee would take the work of PARDAEW forward. It was agreed that the work of PARDAEW could only be achieved through extensive collaboration of ringing schemes and researchers.

Potential problems for PARDAEW were identified as (a) “buy-in” and cooperation of all European ringing schemes, with access to their data; (b) sufficient funds to support the work of those researchers who would do the sample analyses; (c) sufficient time for otherwise busy ornithologists to make substantive contributions to PARDAEW.

Preben Clausen of the AEW Technical Committee emphasized the strategic importance of demonstrating the usefulness of analyses of recovery data as a means of unlocking future funding opportunities.

Useful contacts made at the conference were primarily with FS (EURING), Jaquie Clark (BTO) and Preben Clausen (AEWA). Discussions with these individuals revealed that there were considerable and important tensions surrounding PARDAEW and its relationship to EURING on the one hand, and AEW on the other. Clearly there is some “history” between AEW and EURING of which I was previously unaware, and even now I remain unaware of all the details of that relationship. More importantly, it was apparent that PARDAEW was at a disadvantage because there appeared to be a perception that the relevant contract should have been awarded to EURING, not the ADU. (See section B.)

12. After the conference, I sent a letter to FS summing up my impressions and my view of how things should proceed from that point (Appendix 2. **NB:** At the time, I considered this message to be confidential because it touched on my perceptions of the political tensions between EURING and AEWA, but I now consider it preferable that all those political tensions be brought out into the open so that discussions can be frank and solutions can be found.)
13. At this stage, my expectations were that the pace of progress would accelerate. Unfortunately this did not happen. The first tasks for EURING were (a) to nominate a few appropriate members for the Working Committee, and (b) to suggest a few suitable species for the pilot analyses. On 29 April, I sent an email to FS, urging that the turnaround on communications be quicker and that the nominations for the Working Committee be finalized as soon as possible. I also confirmed that PARDAEW would make a contribution to the costs of work done outside the ADU.
14. On 24 May, FS informed me that the EURING representatives would be Stephen Baillie (UK), Thord Fransson (Sweden), and Fernando Spina (Italy). On 27 May, I nominated myself and Doug Harebottle (of the ADU) as members for Africa, and also enquired of FS whether there were any objections to Ari van Noordwijk serving on the Working Committee. I also urged responses to other issues that I had raised in previous communications. Responses received from FS on 9 June.
15. On 26 April 2004, Bert Lenten of AEWA confirmed that Preben Clausen of the AEWA Technical Committee would be that committee's representative on the PARDAEW Working Committee.
16. During June, the initiative from the side of EURING was taken over by Stephen Baillie (SB) of the BTO. On 15 June, SB requested a copy of the PARDAEW contract and workplan from me. I responded on 1 July (after an extended breakdown of the email system at UCT) and confirmed the products that PARDAEW had to produce and confirmed, for a second time, that 15 000 Euros could be made available, and that this could possibly be increased to 20 000, but no more. I also enquired whether the EURING Database charges for data could not be waived and I made a plea for acceptance of the budgetary constraints in the interests of progress and future opportunities to raise funds.
17. Because of the ongoing difficulties in getting things started, at this stage I began to keep Les Underhill, Bert Lenten and Preben Clausen informed of all developments and negotiations.
18. On 16 July, Rinse Wassenaar confirmed (after discussions with Wolfgang Fiedler) that the charges for data extraction from the EURING database could not be waived for PARDAEW. He suggested that work already done on the White Stork by Fiedler could be made part of PARDAEW, thereby cutting some costs.
19. On 11 August I made a somewhat impassioned plea to FS, SB and Thord Fransson to respond to my 1 July communication and to break the logjam of delays.
20. On 24 August I received a letter from SB (see Appendix 3) in which he requested a copy of the PARDAEW contract and a detailed workplan. I provided these on 27 August and 8 September, respectively (see Appendix 4 for workplan.).

21. On 4 October, an email from Konstantin Litvin, Acting Chief, Bird Ringing Centre of Russia, made the following points, relating to a suggestion from Preben Clausen at the Edinburgh side meeting in April, that the Pintail be used as an example species: (a) All Pintail data held by the Russian Ringing Centre for non-European parts of Russia (and the former USSR), and for other non-European states, are unavailable to PARDAEW. (b) The reason for this is that there is a conflict of interests with other ongoing projects. (c) Data for other species, from the non-European parts of Russia and other non-European states, may be available for use, but only with the permission of the relevant ringing schemes. (d) Data for any species, including Pintail, that originates within the European parts of Russia, are available to PARDAEW through the normal EDB channels. I replied (on 4 October) that I did not see these as major problems, because PARDAEW is only a pilot project investigating the feasibility of a more comprehensive analysis.
22. A preliminary response to the draft workplan was received from FS on 29 October. This response confirmed that the budget would be a problem, but was optimistic about EURING's ability to make substantive contributions, and within reasonable time. I responded on 29 October with a request for more detail on costs, and who would do what, and when. This was reinforced by an urgent request by Les Underhill for details.
23. A detailed document on the contributions that EURING propose to make to PARDAEW, with costs and responsible personnel, was sent by Jackie Clark on 12 November (see Appendix 5).
24. Because of the budgetary and time constraints imposed by the new set of proposals, it has become necessary for the terms of the contract between UCT and AEW to be renegotiated. This is to be undertaken between Les Underhill and Bert Lenten in February 2005. EURING are anxious to have a response to their proposals. This is where things currently stand.

B) Problems encountered and recommended solutions

Problems

1. I made an initial error in the manner in which I contacted European ringing schemes and informed them about PARDAEW. It would have been preferable for an understanding between the ADU and EURING to have been reached first, and the initial contact with schemes to have been made through EURING. Although this was eventually done, the mistake introduced some additional tension into a relationship with EURING that was always going to be difficult. (See next point.)
2. The Project Coordinator was left to find out for himself that there was an uneasy relationship between AEW and EURING. This is unfortunate because it meant that I was not as sensitive and careful in my dealings with EURING as I should have been.
3. My lack of firsthand knowledge of ringing organizations, their politics and research has meant that I, as Project Coordinator, have not been able to speak as knowledgeably or as authoritatively about PARDAEW as I would have liked. I think that this may have had a negative effect by undermining confidence in the project's leadership.

4. Progress was definitely hampered by tardiness in communications, especially from the side of EURING. It appears that the bureaucracy within EURING finds it difficult to respond quickly to communications, and especially to novel proposals.
5. PARDAEW began with the assumption that contributions would be made by EURING and other institutions at no financial cost to the project. This was a grave miscalculation. It has become clear that virtually all instances of work done outside of the ADU will constitute additional budgetary items and will therefore add substantially to the overall cost of the project. It appears that the reason for this is that there is a firmly entrenched culture and policy within the relevant European institutions that all professional time will be fully paid for. This is an understandable position, especially in view of the fact that the professional time spent in the ADU is largely covered by the PARDAEW budget.

Solutions

6. The terms of the PARDAEW contract should be renegotiated as soon as possible. Included in such a renegotiation should be adequate budgetary provision for work undertaken outside of the ADU. It would be administratively easier if that part of the budget were administered by AEWA, not the ADU.
7. For various reasons, the coordination of PARDAEW should be transferred to the managers of SAFRING and AFRING (Dieter Oschadleus and Doug Harebottle, both of the ADU). PARDAEW is well within their fields of expertise and it is they who will be conducting the example analysis for an intra-African migrant, as a contribution to PARDAEW.
8. The tensions between AEWA and EURING should be aired and resolved. EURING occupies an absolutely critical position in ringing administration and research in the AEWA area, and it will be impossible to achieve the aims of PARDAEW without their full cooperation. I wish to emphasize that all indications are that EURING *does* wish to cooperate and produce the necessary output, but it also wants its needs and constraints to be recognized and taken into consideration.
9. EURING needs to impress upon its affiliated member schemes the crucial importance of their full cooperation with PARDAEW with regard to permission for the use of their data. This because the success or failure of PARDAEW is likely to have far-reaching consequences for the future of ringing and state support thereof.

APPENDIX 1: Initial letter to ringing schemes

Dear Ringing Organizer

Pilot Analysis of Ringing Data for Africa-Eurasian Waterbirds (PARDAEW)

The Avian Demography Unit (ADU) was recently contracted to carry out two projects for the African-Eurasian Waterbird Agreement (AEWA). One of these projects is an investigation into the potential for all relevant ringing schemes to collaborate in an analysis of waterbird ringing recovery data for the African-Eurasian flyway. I have been tasked with managing this project. This letter is an initial approach to establish contact with you and your organization, introduce myself, and to inform you of the aims, scope and timetable of this particular project, which I have called the ***Pilot Analysis of Ringing Data for Africa-Eurasian Waterbirds (PARDAEW)***.

I have worked in the ADU for many years. I manage large-scale data-collection projects, especially atlas projects, and edit the ADU's journal of faunistics, *Bird Numbers*. The South African Bird Ringing Unit (SAFRING) and the African Bird Ringing Unit (AFRING) are both based in the ADU and therefore I have some experience of bird ringing projects. Nonetheless, I will be relying heavily on the expertise and advice of colleagues such as yourself to help me achieve the aims of PARDAEW.

PARDAEW is considered a priority study by AEWA (Priority 19) because it is believed that there is much untapped potential in the databases of the ringing schemes of the agreement area. If data from the various schemes can be collated, integrated and analysed, we believe that we can unlock new information on the movements and biology of migratory waterbirds that will assist in planning their conservation.

The volume of ringing recovery data for waterbirds is vast, but the data are scattered and the extraction of the benefits of these data represents a challenge, not only to science but also to diplomacy. **PARDAEW is a pilot study and a prelude to a major analysis of waterbird ring recoveries that needs to take place.** The magnitude of a full analysis is huge, and it must involve as many role-players and stake-holders as possible. The purpose of PARDAEW, therefore, is to investigate the potential for a full analysis by establishing a network of collaborative organizations and individuals, and by carrying out a pilot analysis on a small subset of data. A key objective is to develop a strategy for a full analysis, in collaboration with all stakeholders who wish to be involved.

PARDAEW has the following objectives:

- 1) Determine the volumes and locations of ringing recovery data for waterbirds within the AEWA Agreement Area.
- 2) Undertake an exploratory review of various approaches to analysing the recovery data. The chosen approaches need to generate outputs that can contribute to conservation actions by AEWA.
- 3) Demonstrate the efficacy of chosen approaches by applying them to a small subset of waterbird species.
- 4) Plan a strategy for a full analysis of an integrated database, and identify all the stakeholders that will need to be involved.

- 5) Provide guidelines for future waterbird ringing, such that it can contribute to waterbird conservation science and the objectives of AEWA.

There will be four major outputs from PARDAEW:

- a) a report on data volumes and locations,
- b) reports on analyses of example species,
- c) a report on a strategy for a full analysis,
- d) a report on guidelines for future waterbird ringing.

PARDAEW is scheduled to complete its work within an 18-month period, beginning in January 2004. Most of PARDAEW's communications will be by email and the internet, but attempts will be made to arrange meetings to coincide with conferences where a number of participants will be present. The first such meeting is likely to be the Global Flyways Conference in Edinburgh.

At this early stage, what I need from you is simply the following:

- (i) confirmation that your ringing organization is willing to participate in PARDAEW;
- (ii) the name and contact details of the appropriate contact person in your organization;
- (iii) notification that you (or an alternative contact person) will, or will not, be attending the Global Flyways Conference in Edinburgh in April 2004.

I would appreciate a prompt response because there is limited time to set up a meeting of PARDAEW participants in Edinburgh.

I look forward to collaborating with you and your ringing organization on this exciting project.

Best wishes

James

APPENDIX 2: Post-conference message to Fernando Spina, Chairman of EURING

Subject: Re: PARDAEW update (confidential)
Date: Mon, 19 Apr 2004 13:23:16 +0200
From: Harrison <batlas@adu.uct.ac.za>
Organization: University of Cape Town
To: Fernando Spina <infsmigr@iperbole.bologna.it>
CC: lgu <lgu@adu.uct.ac.za>
References: 1

Hi Fernando

It was really good to meet with you in Edinburgh. I found our discussions most constructive and helpful. I feel we established a frank and open style of communication, which suits me very well and I therefore look forward to working with you on PARDAEW.

The purpose of this message is to take stock of where PARDAEW is at present. I will start by summarizing the important points that emerged in Edinburgh:

- 1) The objectives of PARDAEW have overwhelming support from all important role players. Halleluja!
- 2) We don't need to worry about Canada because much of the relevant data for eastern Canada is held by EURING anyway.
- 3) The most practical source of data for PARDAEW research is the EURING database (EDB), including data for Canada, Greenland, Iceland, Scandinavia, Western Europe, Eastern Europe, and Russia. Some Middle Eastern are affiliate members of EURING and data from those sources may also be available via EURING.
- 4) Attempts should be made to access data from non-affiliated schemes in the Middle East, but these data may not be a significant addition to data already held by EDB.
- 5) Data from African schemes, especially sub-Saharan Africa, should be collated by AFRING, under the leadership of Doug Harebottle. AFRING should also attempt to get copies of African data currently held by European schemes.
- 6) The work of PARDAEW should be overseen and carried out by a Working cum Steering Committee. This committee should include James Harrison and Doug Harebottle from the ADU, Fernando Spina from EURING, Jackie Clarke of the BTO, Preben Clausen of the AEW Technical Committee, and several other members drawn from European institutions.
- 7) The additional members of the committee should be people with the necessary expertise and enthusiasm to make a substantial contribution to the work of PARDAEW. They should represent a reasonable spread across geographical regions and relevant areas of expertise. These members should be proposed by EURING to me as Project Coordinator, after which a joint invitation from me and EURING can go out to the selected individuals. (I would like an opportunity to see a list prior to any formal invitations being issued. However, there is no

problem with your having preliminary informal discussions with people to find out if they are interested and available.)

- 8) The outputs for which the Working/Steering Committee will be primarily responsible are:
 - (A) a series of sample analyses of recovery data, for approximately six species;
 - (B) a report on a strategy for a major analysis of all relevant species;
 - (C) a report on a recommended strategy for future ringing of migratory waterbirds.
- 9) One of the species for (A) will be an intra-African migrant and will be analysed by workers in the ADU.
- 10) The outputs will carry the names of the people and institutions that actually did the work.
- 11) The ADU will make a portion of the PARDAEW budget available to support the work of the Committee. Unfortunately, the sum available is very modest indeed.
- 12) The first task of the Committee will be to identify the sample species to be analysed, and to assign the work to individual researchers.

A PROPOSAL:

With regard to the outputs, I propose that I investigate the possibility of all the outputs being published together in an issue of an appropriate ornithological journal. If they all appear as refereed papers, they will have added credibility, and if they all appear together, their combined impact is likely to be greater than if they are dispersed.

PROBLEM IDENTIFIED:

The major problem, as always, is money. The work of PARDAEW will be an additional burden on already very busy people, and it is tough to motivate people without providing some financial support. As mentioned above, a portion of the PARDAEW budget will be made available. (I will notify you soon as to the size of this portion.) Beyond that modest amount, I can only say that I believe that the work will be an investment in as much as it is likely to lead to more funding for bigger things in the future. It has to be a leap of faith!

Fernando, please let me know a.s.a.p. whether all the above is correct in your view. I would like to send out an abbreviated version of this message to all schemes as a way of keeping them informed of progress.

Look after yourself and don't let the politics get you down!

Best wishes

James

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APPENDIX 3: Letter from Stephen Baillie

SRB/SGW/L2653

24 August 2004

Dear James

PARDAEW project

Thank you for your emails of 1 July and 11 August. This reply is on behalf of the three EURING delegates on the PARDAEW Steering Committee, Fernando Spina, Thord Fransson and myself. I would like to start by emphasising that we remain keen on the PARDAEW project and we will do what we can to help you to bring it to a successful conclusion. However, given that you are the project co-ordinator we are expecting you to take the lead in project planning and in moving things forward.

Following on from my email of 15 June and the follow up from Fernando Spina on 16 June we think that it is now urgent to sort out a project plan. Your email of 1 July seemed to suggest that this was not possible but this is surely a misunderstanding. We suggest that you draw up a plan of what needs to be done, with proposed timescales and where possible identifying who should be responsible for particular aspects. This plan will need to contain a reasonable amount of detail beyond that contained in the copy of your proposal that is published on the AEWA website. If this is not the final version of the proposal please would you circulate the final proposal/contract to the Working Group. Once you produce a draft plan we will be happy to comment and make suggestions such as identifying key people who might contribute to particular sections.

Once you have a draft plan you will also need to address the issue of resources. This is probably best done by asking the people who you want to do particular things what resources they will need. You may well find that some contributions can be provided at little or no cost. However, you should obviously expect to provide funds to people who are being asked to do significant pieces of analysis. As members of the Steering Committee we are happy to provide a moderate amount of advice on the project with out charge. If our organisations are asked to do significant pieces of work then we may need to charge and this should be evaluated in the same way as for other contributors. Until you have made this assessment it will not be clear whether the project can be delivered within its present budget. If there is a funding shortfall then we should work together to see whether we can modify the project to make it work within your budget.

To summarise based on the earlier emails, the plan should:

1. Identify what work is to be done and particularly what the deliverables are.
2. Identify who will do the work and get them to cost what they will do.
3. If the cost is too great revise the deliverables and/or who will do the work accordingly.

We would like to draw your attention to the EURING databank index that has been compiled by EURING and is now available on the EURING website (www.euring.org). This includes a lot of the basic information that will be needed for the PARDAEW project and represents already a significant contribution from EURING to the expected outcomes of the project. You are also aware that Wolfgang Fiedler has been working on the European recoveries of White Stork on behalf of EURING, and is ready to contribute to the PARDAEW project specifically with a detailed overview of the potentials of large-scale recovery analyses. This is a further example of positive input from EURING.

We have earlier requested a copy of your contract with AEWA and we hope that you will feel able to supply this. We will obviously respect any confidentiality restrictions that you may request. We need to see this contract because we need to be sure that our participation in PARDAEW will not affect the rights of EURING and its member schemes over data and publications. There could also be implications with respect to future work. We are not expecting any problems here but experience shows that it is always wise to study the small print. Obviously the contract is with the ADU and you will be responsible for any contractual obligations. We also note that the AEWA paper of 7 May 2003 refers to 50% of the funds being secured through a voluntary contribution. Can you tell us the identity of any third party funder involved and advise us on whether they expect to be involved in reviewing the outputs from the project?

We are keen to move the project forward and hope that you will be able to send us a draft project plan soon, together with a copy of the contract.

With best wishes

Yours sincerely

A handwritten signature in black ink that reads "S.R. Baillie". The signature is written in a cursive style and is positioned to the left of a vertical red line.

Dr Stephen Baillie

Director of Populations Research / EURING Vice Chairman

Email: stephen.baillie@bto.org

APPENDIX 4: Detailed workplan

DRAFT WORKPLAN FOR PARDAEW

At this stage, a work plan for PARDAEW is best expressed in terms of the outputs required. Note that I have abandoned the idea of getting detailed information on the quantities of recovery data from the various ringing schemes because their response to date has been close to zero. It appears that sufficient information will be available via the EURING website and the EDB INDEX.

(A) Report on data holdings

Description: A report detailing the data holdings for each of the AEWA species. This to facilitate assessments of the potential for analysis and needs for additional data.

Timeline: To be completed before the end of 2004.

Responsibility: Harrison, assisted by EURING, e.g., Wassenaar and Spina.

(B) Reports on exemplar species

Description: Reports to take the form of papers for publication in a suitable journal (*Bird Study?*). Each report to cover a single category of species, with a minimum of one species in each category. The three categories are (i) migrants largely restricted to Eurasia; (ii) African-Eurasian migrants, and (iii) intra-African migrants. Each of the three papers will not only present the results of analyses of available data, but will also discuss methodological issues associated with the analyses so as to provide a guide to how similar analyses should be done for similar species.

If the relevant researchers wish to include more than one species in any of the three categories, they are at liberty to do so, but I would advise against inclusion of more than three species in any one category.

Timeline: To be completed by the end of March 2005.

Responsibility: The Eurasian and Africa-Eurasian migrants to be handled by European ornithologists. The EURING representatives on the Working Committee to take the lead and co-opt colleagues where necessary. Harrison and Harebottle will be given an opportunity to read and comment on drafts, but will not necessarily be co-authors. Intra-African migrants to be handled primarily by Harebottle and Oschadleus at the ADU. European members of the Working Committee will be given an opportunity to comment on a draft.

(C) Report on a full analysis for the birds of the Africa-Eurasian flyway

Description: This report will take the information collated in the reports on data holdings and exemplar species, and assess the potential for a full analysis of all species. It will also propose a strategy for such a full analysis, including methods, responsible institutions, approximate budgets, etc. This report should focus especially on the types of analysis needed to make a contribution to the conservation efforts of AEWA.

This report could take the form of a report to the AEWA Technical Committee or a paper to accompany the three exemplar-species papers.

Timeline: Commence when report on data holdings is available, and complete by end June 2005.

Responsibility: All members of the Working Committee, plus anyone who needs to be co-opted onto the team. Author list to reflect the relative contributions of the authors. I imagine that members of EURING will make the major contributions because that is where most of the expertise and experience in such analyses is to be found, not to mention most of the data.

(D) Report on future ringing of Africa-Eurasian waterbirds

Description: This report will refer to the findings of the preceding reports and will make recommendations on objectives, priorities and methods for future ringing of African-Eurasian waterbirds. The idea is to provide a framework within which AEWA can plan its support for ringing activities.

This report could take the form of a report to the AEWA Technical Committee or a paper to accompany the three exemplar-species papers.

Timeline: A draft outline and concepts can be prepared in advance, but this report can only be finalized after the report on a full analysis is complete. The reason for this is that recommendations for future ringing will depend, in part, on the recommendations for a full analysis. Nevertheless, much of the work on this report can proceed in tandem with the preparation of the full-analysis report, and therefore it should be possible to finalize it in August 2005.

Responsibility: I would like to approach Ari van Noordwijk to lead the preparation of this report. Ari has written on this subject before and has expressed an interest in participating. All members of the Working Committee should participate in preparing this report. Author list to reflect relative contributions.

James Harrison
5 September 2004

APPENDIX 5: Detailed work proposals from EURING

EURING offers to complete the following pieces of work to contribute to the PARDAEW project.

Major output 1 - A report on data volumes and locations.

- EURING will make the EURINDEX data for waterbirds available to the project, providing a commentary on the data available and its use to AEWA. The index covers all recoveries held in the EURING databank collated by 1 degree square and clearly shows the volume and distribution of the data available. The EURINDEX has been produced by the EURING schemes to show the potential of the EURING Databank.

Responsible: Fernando Spina (Bologna – EURING Chairman) / Rinse Wassenaar (Arnhem - EURING Databank Manager).

Deliverables: EURINDEX showing the extent of waterbird recoveries available and commentary on the data available.

Cost: €1,500 (contribution to full costs, rest covered by INFS).

Delivery date: To be agreed.

- EURING will produce a list of the latest available ringing totals of all waterbird species by country.

Responsible: Jacquie Clark (BTO)

Deliverables: Table of latest available ringing totals for waterbirds for EURING schemes.

Cost: No charge, contribution from BTO to PARDAEW.

Delivery date: To be agreed.

These two items will provide the background data for Europe for Major Output 1.

Major Output 2 - Reports on exemplar species

- EURING will make a flyway scale recovery analysis for White Stork available to the project.

Responsible: Wolfgang Fiedler (Radolfzell – Max Plank institute).

Deliverables: Flyway scale recovery analysis for White Stork.

Cost: €500 (contribution to full cost, €25,000 covered by Max Plank Institute).

Delivery date: To be agreed.

EURING (with agreement from all schemes contributing) will make all recovery data for Teal and Wigeon available to the project for analysis.

Responsible: Rinse Wassenaar (Arnhem - EURING Databank Manager).

Deliverables: All available recoveries for Teal and Wigeon.

Cost: €7,500 (includes Arnhem cost for Major output 4).

Delivery date: To be agreed.

This will provide a full species analysis and provide the data to enable two further species analyses.

Major output 3 - A report on the strategies needed for the full analysis

- EURING will provide two pieces of work for this report:
 - 1 a review of patterns from recent bird atlases.
 - 2 a review of the possible analytical approaches to future analysis.

Responsible 1: Thord Fransson (Stockholm).

Deliverables 1: Review of patterns from recent bird atlases.

Cost 1: €5,500.

Delivery date 1: To be agreed.

Responsible 2: Stephen Baillie (BTO).

Deliverables 2: Review of possible analytical approaches.

Cost 2: €5,775.

Delivery date 2: To be agreed.

These two pieces of work will provide a substantial section of major output 3.

Major output 4 - A report on guidelines for future waterbird ringing strategies

A draft report will be produced by Arie van Noordwijk working with Fernando Spina, who will use his extensive experience and knowledge of European law and conventions to assist with it.

Responsible: Arie van Noordwijk (Arnhem) and Fernando Spina (Bologna – EURING Chairman).

Deliverables: Draft report on guidelines.

Cost: See Arnhem cost in Major output 2. Bologna cost to be covered by INFS (Bologna) as a contribution to PARDAEW.

Delivery date: To be agreed.

This piece of work will cover major output 4.

Reviewing reports

EURING members offer to assist PARDAEW by reviewing and commenting on the reports/papers – costs to be covered by the host institutes.

Total charged costs for work outlined above: €20,775 – all other costs will be met by the host institutes.