



waterbirds

AROUND THE WORLD

A global review of the conservation, management
and research of the world's major flyways

3–8 April 2004
Edinburgh, UK

Programme

A Wetlands International Conference



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NATURE
CONSERVATION
COMMITTEE



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Dear Participants,

I am delighted to welcome you to Scotland and to Edinburgh, our capital city. I hope your stay will be interesting, informative and, importantly, enjoyable.

The Waterbirds Around the World Conference is a landmark occasion providing an opportunity to review, at the global level, the status, population trends, research priorities and conservation plans for waterbirds.

We are honoured that His Royal Highness The Prince of Wales, will attend the Conference. We are delighted also that Ministers from the governments of the United Kingdom and of The Netherlands will open the Conference, and that a Minister from the Scottish Executive will formally close proceedings on the final day.

Having such a gathering of distinguished scientists, conservation practitioners and decision-makers here in Edinburgh provides a unique forum for discussions. Hopefully this will lead to a renewed focus on action to understand and to conserve our global environment, and waterbirds in particular.

I encourage you to participate fully in the proceedings, and look forward to meeting you over the coming days.

A handwritten signature in blue ink that reads 'C. A. Galbraith'.

Professor Colin A. Galbraith
Chairman, Waterbirds Around the World Conference

Dear Participants,

On behalf of the members of the organising committees of Waterbirds Around the World, a very warm welcome! This global conference will cover many themes concerning the world's migratory waterbirds: including conservation, sustainable and non-consumptive use, management and research.

The 1963 St Andrews' Conference marked a new beginning when the UK, together with several other countries and Wetlands International's predecessor IWRB, worked together in their common aims of increased waterbird conservation, sustainable use and research. Since then, the host countries, co-chair and Wetlands International have organised many conferences that have served as stepping stones along this road. A small exhibition of documents is on display in the lobby showing some of the outcomes of these conferences. The Board of Patrons' plenary presentation will also look back on what has been achieved over the past 30 years.


It is 10 years since Wetlands International, in close co-operation with the French Government, organised its last conference devoted entirely to waterbirds. This was 'Anatidae 2000' held in 1994 in the European Council building, Strasbourg. Its impressive results were published in two volumes of the French journal 'Game and Wildlife'. Recently, global overview conferences such as 'St Petersburg, Florida 1992', 'Kuala Lumpur 1995' and 'Dakar 1998' have addressed more general aspects of wetlands and their wise use.

Since Anatidae 2000 we have seen major developments in the conservation of migratory waterbirds through international co-operation on a flyway level. All major regions of the world have increased their conservation efforts, but with very different institutional approaches. Wetlands International believe that the time is now right for a further conference to exchange new expertise, knowledge and policy concepts. Waterbirds Around the World will define state of the art waterbird and flyway conservation and research on a global level.

We are extremely pleased that from the first notion of this conference in 2001, the United Kingdom and The Netherlands have given their support, not only offering to be the formal hosts, but also providing start-up funds. We also warmly welcome the USA as co-chair, with the great expertise they will bring from their region.

Our thanks go to the many other countries that have provided funds in support of the Conference, in particular to facilitate participation from developing countries and countries in transition. Many UK organisations are also involved in sponsoring the excursions and other social events.

We have enjoyed preparing Waterbirds Around the World and hope we can meet all your expectations. It is now up to all of you to make it memorable – for its important outputs, relaxed atmosphere and increased co-operation within and across waterbird flyways.



Dr Gerard C. Boere
Secretary General, Waterbirds Around the World Conference

Rationale and aims of symposia

Flyway conservation in North America

Convenor: Paul Schmidt

Rationale: The North American strategies for bird conservation have evolved over the past century, but more rapidly in the past decade – focusing on continental plans for all species that are now integrated in the North American Bird Conservation Initiative. The goals and objectives of four migratory bird initiatives (waterfowl, shorebirds, landbirds and waterbirds) are established nationally, and are being translated into newly identified bird conservation regions. The strategies are implemented through partnerships called joint ventures and landscape planning. The maturing of these strategies sets the stage for remarkable future progress.

Aims: To present the benefits and challenges of this approach with a Panel and to have a dialogue on ideas for the future.

Flyway monitoring – rising to the challenge (two sessions)

Convenors: Ward Hagemeijer and Leon Bennun

Rationale: Counts of migratory waterbirds in their breeding, staging and non-breeding areas have taken place for many decades. For non-breeding birds, the International Waterbird Census has developed into a systematic global program since its introduction in the 1960s. Long-term monitoring of breeding birds is also well established at particular sites. However it is clear that many gaps remain, and there are many challenges in obtaining and using the data needed for more effective flyway management.

Aims: At the flyway scale, provide an overview of present monitoring approaches and programmes; identify important gaps; discuss practical ways to improve coverage and effectiveness; suggest ways to link monitoring results more closely to conservation and management.

Disease emergence and impacts in migratory waterbirds

Convenor: Tonie Rocke

Rationale: Birds are known to carry not only parasites, and with them viruses and bacterial-

induced diseases affecting people, but also domestic animal diseases. In several cases migratory birds, including waterbirds, have been blamed as the source of outbreaks.

Aims: To review existing diseases frequently carried and transported by migratory waterbirds. Discuss and advise on the importance of migratory waterbirds as vectors distributing diseases in their flyway. Look at ways to address these problems.

Let the waterbirds do the talking

Convenor: Christine Prietto

Rationale: Waterbirds have great potential to increase support for conservation at all levels. Communication, Education and Public Awareness are invaluable complements to waterbird conservation but must be valued and funded accordingly. Conservation efforts may not realise aims without CEPA.

Aims: Showcase the value of formal and community education, events, networks and partnerships and emphasise the need for funding.

Sustainable use of natural resources in the African-Eurasian Flyway

Convenor: Bert Lenten

Rationale: In a few larger-scale flyways institutional developments have taken place to co-ordinate and stimulate conservation and sustainable use on a flyway scale. This can provide 'lessons learned' for other emerging regions.

Aims: Provide overview for each of the regions of existing policies, case studies and problems. Discuss the effectiveness of the different approaches and identify gaps. Formulate recommendations for further developments and guidance for the emerging regions.

Flyway management for species of conservation concern

Convenor: Baz Hughes

Rationale: For migratory species of conservation concern, common or complementary approaches to conservation at international scale are necessary to ensure

their survival throughout their annual cycle. The last decade has seen a number of initiatives to seek co-operation for single species of threatened migratory waterbirds at international or flyway scales. Some of these initiatives have been more successful than others.

Aims: The symposium will review flyway management planning initiatives with the aim of deriving 'best practise', in particular features of procedure or policy that lead to effective implementation and conservation delivery.

Financing global flyway conservation: innovation, linkages, options

Convenor: Randy Milton

Rationale: To meet the costs of global flyway conservation funding, participants are challenged to identify the needs and opportunities for greater collaboration among governments, public agencies and NGOs so that information is shared more systematically, expertise and resources are pooled, and forces are combined to support specific conservation finance mechanisms on-the-ground.

Aims: To identify and assess the major cost elements of flyway conservation, and to inform individuals and organisations within the conservation community of relevant grants and the broad range of financial instruments available, with a focus on working in partnerships with other sectors.

Declining waterbirds: problems, processes and sites

Convenor: David Stroud

Rationale: The status of many waterbird populations is poor, with major declines reported for many taxa, in many parts of the world. Habitat loss and degradation remains the principle driver for these declines, although many other factors are significant, including the impact of over-exploitation. For long-distant migrants, the ecological quality of major staging areas appears to be of key importance in sustaining populations.

Aims: The workshop aims to review the status of waterbirds and explore the processes underlying current observed declines. In particular, it will consider issues at a number of 'mega-sites' which have been implicated as causes of declines of migrant waterbirds in those areas.

Migration Ecology (two sessions)

Convenor: Theunis Piersma and Nils Warnock

Rationale: In the last decade many research projects have been undertaken to look at the way migratory birds handle their energy needs in relation to flight ranges (including individual decisions of birds regarding these routes), stopover places and available food resources.

Aims: To identify conservation consequences of the many different strategies waterbird species apply during their annual cycle. To identify and discuss the value of modern research techniques (stable isotopes, geo-locators, satellite tracking) and to formulate priorities for further research.

Flyway conservation in the Central Asian Flyway

Convenor: Tæj Mundkur

Rationale: In some flyways, institutional and multilateral developments have taken place to co-ordinate and stimulate waterbird conservation and its sustainable use on a flyway level. Examples of these developments can provide 'lessons learned' for other emerging regions where there are current discussions and activities to establish flyway conservation policies. In the Central Asian Flyway, there are active discussions regarding the potential establishment of a multilateral CMS Agreement similar in scope to the African-Eurasian Waterbird Agreement.

Aims: The workshop will present an overview of existing and developing conservation actions for the flyway. It will discuss progress made to date and identify actions that will assist further development of these processes, including optimal long term arrangements for flyway conservation activities.

ORNIS Scientific Working Group (whole day)

Convenor: Flemming P. Jensen

Rationale: The Birds Directive has for 25 years been a cornerstone in the protection of birds in the European Union. In May 2004 the EU is expanding to the east and south-east with 10 new Member States. This has wide implications for the protection of waterbirds, as a much larger part of many species' flyways will be included in the EU system of Special Protection Areas. Also, as part of the implementation of the Directive, activities to

protect threatened birds, such as some huntable waterbirds, will soon be expanded to cover 25 European countries.

Aims: To present an overview of the contribution of the Birds Directive in an enlarged European Union to flyway conservation of waterbirds. To discuss the creation of a coherent network of protected areas for birds in the EU, and the challenges of planning the conservation of migratory waterbirds whose main breeding and/or wintering areas occur outside Europe. The outcome of the Symposium will inform an international conference celebrating 25 years of the Bird Directive, which takes place in The Netherlands in November 2004.

Building and sustaining capacity for waterbird conservation and research

Convenor: Tim Dodman

Rationale: Conserving migratory waterbirds depends on commitment of and exchange between networks of people. For conservation to be effective, these networks need to possess both practical ability and scientific know-how at all stages of migratory flyways. As there is a wide imbalance in capacity across flyways, it is thus important to develop and sustain capacity in areas where resources and experience are relatively low. This requires strategies and programmes that address training, institutional strengthening and network development.

Aims: Through the review of sub-regional capacity building strategies, develop global recommendations and sub-regional targets for developing and sustaining capacity for effective waterbird conservation.

Migration and flyway atlases

Convenor: Jacquie Clark

Rationale: Over a hundred years of bird ringing has provided a wealth of ringing recoveries. Much of this information has only incidentally been used in studies of single species or in-depth population studies. Recently a few countries produced bird migration atlases in which the results of bird ringing played a major role.

Aims: To provide an overview of present atlases; the various methods used to present the available ringing data integrated with

information from other sources. To formulate ways in which atlases can be improved and used for conservation and management purposes.

The implications of climate change for waterbirds

Convenor: Mark O'Connell

Rationale: Climate change will have direct and indirect impacts on waterbirds and their habitats. Changes are predicted to be greatest at high latitudes and will therefore potentially affect the breeding grounds and flyways of many species.

Aims: To use scenario-exploration studies to identify major potential effects and impacts of climate change on waterbird species and habitats; to identify species, habitats and sites most at risk; to identify implications for species and habitat management and policy; to identify gaps in current knowledge.

East Asia-Pacific Flyway

Convenor: Taej Mundkur

Rationale: In a few larger scale flyways institutional developments have taken place to co-ordinate and stimulate conservation and sustainable use on a flyway scale. This can provide 'lessons learned' for other, emerging regions.

Aims: To provide a regional overview of existing policies, case studies and problems; to discuss the effectiveness of different approaches and to identify any gaps; to formulate recommendations for further developments and guidance for the emerging regions.

Building effective ecological networks

Convenor: Leon Bennun and Ward Hagemeijer

Rationale: Flyway-level conservation requires attention to site networks, not just individual sites. This is a practical challenge to planners and managers. Among other problems are limited resources, patchy data, restricted opportunities for new designations of protected sites, and the wide distributions of migratory species in space and time.

Aims: To review and discuss approaches to: identifying key sites; building a coherent ecological network; linking site networks with the CBD's 'ecosystem approach'; recognition and practical conservation of site networks.

Sustainable waterbird harvest (two sessions)

Convenor: Niels Kanstrup

Rationale: There is a long tradition of harvesting waterbirds in various ways. In many countries the harvest takes place as a primary food source, but sport hunting is also popular. Various projects are underway to reduce unsustainable waterbird harvest. Subsistence hunting of waterbirds dates back to when mankind began. In many remote regions waterbirds are still an important food source (e.g. the Arctic, central Siberian lowlands, tropical regions). Besides the aspect of the harvest itself there is the knowledge about trapping techniques, discovery of species and the emotional value of spring hunting in the Arctic.

Aims: To provide an overview of current activities on waterbird harvest and various methods applied; to identify harvest numbers and review methods to collect harvest data; and to explore the present situation with existing subsistence hunting and lessons to be learned for waterbird conservation.

Conflict resolution (two sessions)

Convenor: Bruce Batt

Rationale: Waterbirds come into conflict with humans in a variety of ways. The conservation community has a major role to play in providing practical and sustainable solutions to these problems.

Aims: Through case studies, to identify best practice and assess the potential for wider spatial/taxonomic application of specific methods of conflict resolution.

- Solution orientated
- Dispute resolution techniques.

Intra-African migration

Convenors: Issa Sylla and Tim Dodman

Rationale: Many of Africa's migratory and resident waterbirds have poor conservation status and largely unknown population trends. Whilst there has been some research and conservation of migratory birds in Africa, this has focused largely on African-Eurasian migrants, and the status and needs of most intra-African migrants are much less clear.

Aims: To identify actions that will promote development of research and conservation of

intra-African migrants and resident waterbirds, and implementation of AEWA.

Integrating waterbird conservation: populations, habitats and landscapes (two sessions)

Convenor: Jim Kushlan

Rationale: The conservation of waterbirds requires conservation and management of a wide range of habitat resources within flyways at different times in their life cycle. Establishing population goals requires integration of monitoring of population sizes, habitat extent and linked to landscape-scale planning, management of key sites and networking.

Aims: To suggest approaches to conserving waterbirds within habitats, landscapes and sites using management and planning tools.

The Arctic: source of flyways

Convenor: Gudmundur Gudmundsson

Rationale: The Arctic is the breeding ground for millions of migratory waterbirds connected to all global flyways. Conditions in the Arctic are important for long term flyway conservation and management.

Aims: To present recent developments in the Arctic in terms of local and global changes, legislation and conservation issues, highlighting their meaning for flyway conservation.

Neotropics

Convenors: Melanie Steinkamp and Roberto Schlatter

Rationale: In some flyways, institutional and multilateral developments have taken place to co-ordinate and stimulate waterbird conservation and their sustainable use at a flyway scale. These examples can provide 'lessons learned' for other regions where there are current discussions and activities to establish policies for flyway conservation. Whilst much attention has been focused on the needs of long-distance, intercontinental migrants, there has been much less research and conservation activity on waterbirds that migrate within South America. Many of these species, and non-migratory waterbirds have poor conservation status and largely unknown population trends. The progressive development of the Western Hemisphere Shorebird Reserve Network has been an

important initiative to raise awareness of the importance of key sites, whilst the recently-established Hemispheric Steering Group for migratory waterbirds has considerable potential to drive forward conservation activities.

Aims: The workshop will present an overview of existing actions for waterbird flyways in Central and South America. It will discuss progress made to date, and identify actions that will assist in the further development of waterbird research and conservation, especially intra-continental migrants as well as those that are non-migratory resident species.

The marine environment: challenges for conservation implementation

Convenor: John Croxall

Rationale: There is a continuum between the species traditionally known as waterbirds and those regarded as seabirds. For example, seabirds, skuas and phalaropes breed on the tundra and migrate to the open ocean in the non-breeding season. Even the most oceanic of species, such as the penguins, petrels and albatrosses of the Southern Ocean, breed on land. Flyway-type approaches to seabird conservation are currently being developed, and the first – the Agreement on the Conservation of Albatrosses and Petrels (ACAP), an agreement in terms of the Bonn Convention – came into force on 1 February 2004.

Aims: To explore the similarities and differences between the approaches to flyway conservation-needs of seabirds and waterbirds; to consider the applicability and validity of Marine Protected Areas and the Ramsar Convention criteria for seabirds. To consider recent technical advances in tracking devices that are now light enough to attach to waterbirds.

Guidelines for participants

Keynote presentations

- start promptly at the given times; some will have a short formal address by an international convention or other institution.
- A rapporteur will prepare summary overviews of all plenary sessions. These will be included in the Conference summary booklet (to be published 2004).

Symposia

- Apart from the EU/ORNIS symposium, which will take almost a full day, morning symposia last 2 hrs and afternoon sessions either 2 hrs or 1.5 hrs.
- Admission to symposia is strictly limited to available room capacity. In the unlikely event that a symposium is oversubscribed latecomers will have to find alternative symposia.
- Due to the visit of HRH Prince Charles on Wednesday, the time schedules change – it is important that you keep to these new times.
- Each symposium differs – some have few presentations with a longer discussion time, while others have many short presentations.
- **Due to different time schedules please do not attempt to attend more than one symposium in each session**
- Please see the notice board and lounge tv screens for any last minute programme changes.
- Abstracts that have arrived too late to be included in the Abstracts book will be available at the information desk.
- Chairing of symposia will be by designated persons or the convenor. Names not already published will be announced at the start of the symposium.
- A rapporteur will, in co-operation with the convenor/chair, prepare a one-page summary of the main output and conclusions of each symposium. These will be included in the Conference summary booklet.

Side events

We are pleased that participants will use the Conference as an opportunity to meet on a range of related issues. Meeting rooms have been allocated in close co-operation with the convenors. **If you would like to plan an ad hoc meeting, please check with the Secretariat.** N.B. Some side events are by invitation only.

Programme of events

NB Green background denotes Side Events.

Saturday 3 April 2004

ARRIVAL OF PARTICIPANTS

11.00–20.00 Registration and poster set-up

09.00–18.00 Wetlands International Board of Directors Meeting (Daniëlle Nieuwenhuijse)
By invitation only (Carnegie Room A/B)

14.00–18.00 Wader Study Group EXCO Meeting (Herman Hötker) *By invitation only* (Gibson Room A)

18.00–20.00 Dinner

20.00–22.00 Global International Waterbird Census Co-ordinators Meeting (Simon Delany)
By invitation only (Wardlaw Room A/B)

Sunday 4 April 2004

09.30–11.00 OFFICIAL OPENING; PLENARY SESSION

Chair: Prof. Colin A. Galbraith (Main Auditorium)

09.45 Welcome by Prof. Colin A. Galbraith, Scottish Natural Heritage

10.05 John Markland, Chairman of Scottish Natural Heritage

10.10 Elliot Morley, UK Minister for Environment and Agri-environment (DEFRA)

10.15 Kees Veerman, Dutch Minister for Agriculture, Nature and Food Quality (LNV)

10.40 Dr Max Finlayson, Wetlands International

10.45 Board of Patrons: Plenary Keynote presentation no. 1: *A short history of Waterbird Conservation* Prof. Eckhart Kuijken, Institute of Nature Conservation, Belgium

11.00–11.30 Morning coffee (lounge)

11.30–12.30 KEYNOTE PRESENTATIONS ON WATERBIRDS AROUND THE WORLD

Chair: Dr Jim Kushlan (Main Auditorium)

11.30 Plenary presentation no. 2: *North American Flyway Management – a century of experience* Paul Schmidt, US Fish and Wildlife Service, USA

11.55 Plenary presentation no. 3: *African-Eurasian flyways: current knowledge, status and future challenges* Dr Nick Davidson, Ramsar Convention, Switzerland

12.20 Launch of AEWA Flyway film followed by Presentation Ceremony by the German and The Netherlands Governments

12.30–14.00 Lunch (lounge) and side events

- 13.00–14.00** Greenland White-fronted Goose consultaion (Tony Fox) *By invitation only* (Bruce Room A/B)
- 13.30–14.00** Launch Asian Waterbird Census Report (David Li) (Main Auditorium)

14.00–15.30 FOUR PARALLEL SYMPOSIA

1 FLYWAY CONSERVATION IN NORTH AMERICA

Convenor: Paul Schmidt (Main Auditorium)

- 14.00** *Integrated waterfowl harvest management in North America – an overview*
Robert Blohm, R. Kokel, G. Allen, D. Sharp and F. Johnson
- 14.30** *Habitat conservation partnerships and continental planning* David Smith,
R. Johnson, S. Mott and R. Ford *et al.*
- 14.50** *Issues and challenges facing migratory bird conservation programmes in North America* Steven Wendt, P. Schmidt and D. Stewart
- 15.10** *Lessons learned and future strategies in North America – a panel presentation*
Trevor Swerdfager, Georgita Ruiz and Paul Schmidt

2 FLYWAY MONITORING – RISING TO THE CHALLENGE SESSION 1

Convenors: Ward Hagemeyer and Leon Bennun (Carnegie Room A/B)

- 14.00** *Overview and introduction* Ward Hagemeyer
- 14.10** *The African Waterbird Census (1991–2004): fourteen years of waterbird surveys in Africa* Cheikh Hamallah Diagana *et al.*
- 14.30** *Status of waterbird monitoring in the Asia-Pacific region* Taej Mundkur and David Li
- 14.50** *Integrated Waterfowl Monitoring Programs in North America* Paul Padding and Robert Blohm
- 15.10** *Priority needs for co-ordinated research at global flyway level in order to improve monitoring and management of huntable waterbird populations as identified by the National Wildlife Observatory (France)* Michel Vallance and Yves Ferrand

3 DISEASE EMERGENCE AND IMPACTS IN MIGRATORY WATERBIRDS

Convenor: Tonie Roche (Wardlaw Room A/B)

Please note that this is a 2-hour symposium

- 14.00** *Evolving changes in diseases of waterbirds* Milton Friend
- 14.20** *Emerging viral diseases in waterbirds* Thijs Kuiken
- 14.40** *Domestic poultry and migratory birds in the interspecies transmission of avian influenza viruses: a view from Hong Kong* Kennedy F. Shortridge
- 14.55** *Migratory waterbirds and avian influenza in East Asia* David S. Melville
- 15.10** *The global importance of avian botulism* Tonie Roche
- 15.30** *Recurring waterbird mortalities of unusual etiologies* Rebecca Cole
- 15.50** *Disease and its management as a conservation issue in waterbirds – a discussion*

4 LET THE WATERBIRDS DO THE TALKING

Convenor: Christine Prietto (Gibson Room A/B)

- 14.00** *The National Science Foundation Teaching Fellowship Program at The University of Maine, USA: hands-on ecological learning in the classroom and the field* Darrell King et al.
- 14.15** *Shorebird Sister Schools Program* Hilary Chapman and Brad Andres
- 14.30** *Ten years of International Migratory Bird Day (NA)* Jennifer Wheeler
- 14.45** *A California current joint venture* Ellie Cohen (presented by Nils Warnock)
- 15.00** *Wetlands CEPA Strategy for West Africa* Mama Dagou and Diop Ndiaye
- 15.15** *Wetland Link International* Malcolm Whitehead

15.30–16.30 Afternoon tea (lounge) and side events

15.45–16.30 CHASM – Arctic Monitoring (Richard Lanctot) (Bruce Room A/B)

15.45–16.30 EURING (Fernando Spina) (Wardlaw Room A/B)

16.30–18.00 FIVE PARALLEL SYMPOSIA

1 SUSTAINABLE USE OF NATURAL RESOURCES IN THE AFRICAN-EURASIAN FLYWAY

Convenor: Bert Lenten, Chair: Olivier Biber (Main Auditorium)

- 16.30** *African-Eurasian Waterbird Agreement* Bert Lenten
- 16.50** *Marine fisheries impact* John Cooper
- 17.10** *Traditional knowledge regarding management of the use of migratory birds: the case of Lake Chilwa, Malawi* Dr Lawrence Malekano
- 17.30** *Considerations concerning the use of lead shot over wetlands* Guy-Noël Olivier
- 17.50** *Discussion*

2 FLYWAY MONITORING – RISING TO THE CHALLENGE SESSION 2

Convenors: Ward Hagemeyer and Leon Bennun (Carnegie Room A/B)

- 16.30** *Site-level monitoring of flyways: the Important Bird Areas framework* Achilles Byaruhanga et al.
- 16.50** *Long-term waterbird monitoring in The Netherlands as a tool for policy and management* Marc van Roomen
- 17.10** *Monitoring data on waterbirds in Europe: the perspective of the EU as a user* Anne Teller
- 17.30** *Discussion* Leon Bennun

3 FLYWAY MANAGEMENT FOR SPECIES OF CONSERVATION CONCERN

Convenor: Baz Hughes (Wardlaw Room A/B)

- 16.30** *Saving Europe's most endangered birds: lessons to be learnt from implementing European Species Action Plans* Ian Burfield
- 16.45** *Conservation action plan for the Black Stork and Black-crowned Crane in West Africa* Cheikh Hamallah Diagana, Tim Dodman and Seydina Issa Sylla
- 17.00** *Co-ordinating conservation action across the Atlantic: development of a Flyway Management Plan for the East Canadian High Arctic Light-bellied Brent Goose* James Robinson
- 17.15** *The Red-breasted Goose in the new millennium – a thriving species or a species on the brink of extinction?* Sergey Dereliev
- 17.30** *Brainstorming session to 'identify features of procedure or policy that lead to effective implementation and conservation delivery'*

4 FINANCING GLOBAL FLYWAY CONSERVATION: INNOVATION, LINKAGES, OPTIONS

Convenor: Randy Milton, Chair: Trevor Swerdfager (Bruce Room A/B)

- 16.30** *Introduction* by Symposium Chair
- 16.35** *Migratory waterbirds don't lay golden eggs* Doug Watkins and Taej Mundkur
- 16.55** *Widening the 'field of vision' – the changing paradigm in migratory bird and flyway conservation* Trevor Swerdfager
- 17.15** *Conservation finance for waterbird flyways: key issues and emerging opportunities* Gonzalo Castro
- 17.35** *Panel discussion and questions*
- 17.55** *Summary* by Symposium Chair

5 DECLINING WATERBIRDS: PROBLEMS, PROCESSES AND SITES

Convenor: David Stroud (Gibson Room A/B)

- 16.30** *The conservation and population status of the world's shorebirds at the turn of the Millennium: how much do we know?* International Wader Study Group
- 16.45** *The population declines of waterfowl in East Asian Flyway: need of urgent conservation action* Evgeny Syroechkovski Jr
- 17.00** *Maintaining shorebird populations in the East-Australasian Flyway – the Yellow Sea challenge* Mark Barter
- 17.15** *The decline of waders worldwide: comparative analyses of ecology, life histories and threats* Tamás Székely, Gavin Thomas and Richard Lanctot
- 17.30** *Population declines and the risk of extinction in waders: genetic and ecological consequences of small population size* Allan J. Baker
- 17.45** *Questions and conclusions*

18.30 Reception and Dinner hosted by the UK Government
Royal Museum, Edinburgh

Monday 5 April 2004

09.00–10.00 KEYNOTE PRESENTATIONS ON WATERBIRDS AROUND THE WORLD

Chair: Stefan Pihl (Main Auditorium)

- 09.00** *Formal statement by UNEP/CMS*
- 09.05** *Plenary presentation no. 4: Successes and challenges of promoting conservation of migratory waterbirds and wetlands in the Asia-Pacific region: nine years of a regional strategy* Dr Lew Young, WWF Hong-Kong, China
- 09.30** *Plenary presentation no. 5: Migration in balance: tight ecological margins and the changing fortunes of waterbird populations* Prof. Theunis Piersma, Netherlands Institute for Sea Research/University of Groningen, The Netherlands
- 09.55** *Introduction of the draft Edinburgh Declaration* David Stroud

10.00–10.30 Morning coffee (lounge)

10.30–12.30 FIVE PARALLEL SYMPOSIA

1 MIGRATION ECOLOGY SESSION 1

Convenor: Theunis Piersma and Nils Warnock (Main Auditorium)

- 10.30** *Designation of flyways of the Common Snipe Gallinago gallinago in the Western Palearctic by means of genetic study, analysis of ringing recoveries and harvest data* Saulius Svazas
- 10.55** *Spring migration strategies of shorebirds along the eastern Pacific flyway* Nils Warnock, Mary Anne Bishop, John Takekawa
- 11.20** *Flyways of the East Canadian High Arctic Light-bellied Brent Goose: results of a satellite telemetry study* J.A. Robinson, G.A. Gudmundsson and P. Clausen
- 11.45** *Changes in migration patterns and wintering areas of south Swedish Greylag Geese* Leif Nilsson
- 12.10** *Discussion*

2 FLYWAY CONSERVATION IN THE CENTRAL ASIAN FLYWAY

Convenor: Taej Mundkur, Chair: Vinod Rishi (Carnegie Room A/B)

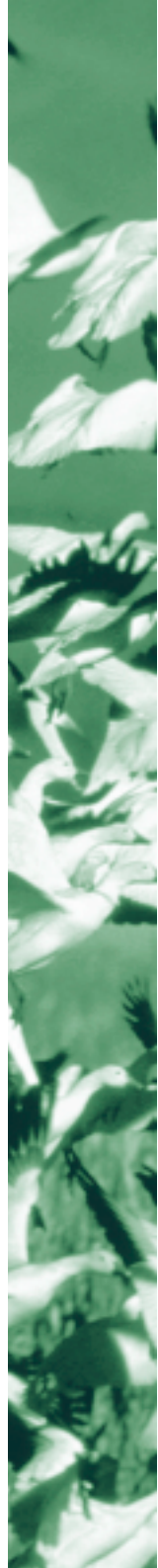
- 10.30** *Introduction by Symposium Chair*
- 10.35** *Promotion to migratory waterbird research and conservation in the Central Asian flyway* A. Solokha, W. Hagemeyer and T. Mundkur
- 10.50** *Current status and dynamics of populations of Anatidae in Kazakhstan. An increase in co-operative waterbird conservation and research activity nationally and within the Central Asian flyway* S. Yerokhov
- 11.05** *An assessment of shorebird population decline along the east coast of India with special reference to Point Calimere, south-east India* S. Balachandran
- 11.20** *Waterbirds as an indicator of climate change in Uzbekistan* Elena Kreuzberg-Mukhina
- 11.50** *Open discussion, conclusions*

Timetable overview

Please note that each day has its own time schedule!

Saturday 3 April	Sunday 4 April	Monday 5 April
11.00–20.00 Registration Poster set-up Side events	09.30–11.00 Formal opening session	09.00–10.00 Plenary session
	11.00–11.30 Morning coffee	10.00–10.30 Morning coffee
	11.30–12.30 Plenary session	10.30–12.30 Five parallel sessions
	12.30–14.00 Lunch and side events	12.30–14.00 Lunch and side events
	14.00–15.30 Four parallel symposia	14.00–15.00 Plenary session
	15.30–16.30 Afternoon tea and side events	15.00–16.00 Afternoon tea and side events
	16.30–18.00 Five parallel symposia	16.00–18.00 Five parallel sessions
18.00–20.00 Dinner	18.30 Departure by bus to Reception and Dinner at Royal Museum hosted by the UK Government	18.00–20.00 Dinner
20.00–22.00 Side events		18.00–21.00 Side events and poster session
		21.00–23.00 Poster session continued and reception hosted by The Netherlands

5 April	Tuesday 6 April	Wednesday 7 April
on	07.15–19.00 Excursions	09.00–10.00 Plenary session
ee		10.00–10.30 Morning coffee
ymposia		10.30–12.30 Five parallel symposia
de events		12.30–13.30 Lunch and side events
on		13.30–15.00 Five parallel symposia
a and		15.00–15.15 Afternoon tea
ymposia		15.25–17.00 Special plenary session and Closing Ceremony
	18.00–20.00 Dinner	18.00–20.00 Dinner
and start on	20.00–22.30 Side events	20.00–23.00 Ceilidh hosted by Scottish Natural Heritage
on d sted by nds Government		



3 ORNIS SCIENTIFIC WORKING GROUP: THE CONTRIBUTION OF THE BIRDS DIRECTIVE IN AN ENLARGED EUROPEAN UNION TO FLYWAY CONSERVATION OF WATERFOWL

Convenor: Flemming P. Jensen (Wardlaw Room A/B)

- 10.00** *Welcome by DG Environment*
- 10.15** *Overview of waterbird populations and their flyways in an enlarged European Union – current level of knowledge Jane Madgwick*

Site Protection

- 11.00** *Special Protection Areas in Eastern Europe – the establishment of an enlarged network of wetlands: prospects and challenges Péter Lavászki*
- 11.15** *Marine SPAs in an enlarged EU Tony Fox*
- 11.30** *Discussion*

Species protection and management

- 11.45** *EU Action Plans for Annex I species and their review Ian Burfield*
- 12.00** *Challenges for EU single species Action Plans on huntable species Flemming P. Jensen*
- 12.15** *Discussion*

4 BUILDING AND SUSTAINING CAPACITY FOR WATERBIRD CONSERVATION AND RESEARCH

Convenor: Tim Dodman (Bruce Room A/B)

- 10.30** *Introduction to Symposium: importance of capacity development for wetland and waterbird conservation Tim Dodman*
- 10.40** *Building capacity in Africa through a regional training programme Abdoulaye Ndiaye*
- 11.00** *Building capacity in Central Asia to promote waterbird research and conservation Alexander Solokha, Ward Hagemeyer and Taej Mundkur*
- 11.20** *Building capacity in waterbird and wetland monitoring in eastern Africa Oliver Nasirwa, Mark O'Connell and Seb Buckton*
- 11.40** *Shorebird Action Plan for the East Asian-Australasian flyway – lessons learned Warren Lee Long and Doug Watkins*
- 12.00** *Resumé of presentations and posters; discussion of over-arching issues for developing recommendations Tim Dodman*

5 MIGRATION AND FLYWAY ATLASES

Convenor: Jacquie Clark (Gibson Room A/B)

- 10.30** *Quantitative analyses of movement patterns and their role in migration atlases Chris Wernham and Gavin Sriwardena*
- 10.50** *The Russian waterbird migration atlas: temporal variation in migratory routes Inna Dobrynina and Sergei Kharitonov*
- 11.10** *Waterbird migration atlas of southern Africa Dieter Oschadleus*

- 11.30** *Wetland International's Flyway Atlas series: establishing the geographical population limits of waterbird populations* Simon Delany
- 11.50** *Ringling as a tool for waterbird international conservation policies* Fernando Spina
- 12.10** *Roundup including Pilot Analysis of Ringing Data for African-Eurasian Waterbirds (PARDAEW)* Jacquie Clark

12.30–14.00 Lunch (lounge) and side events

- 13.00–14.00** Seaduck Specialist Group (Stefan Pihl) (Wardlaw Room A/B)
- 13.00–14.00** Heron Specialist Group (Jim Kushlan) (Carnegie Room A/B)
- 13.00–14.00** Wader colour-mark scheme co-ordination (Pavel Tomkovich) (Main Auditorium)
- 13.00–14.00** AEWA/GEF Co-ordination Meeting (Chris Baker) *By invitation only* (Gibson Room A/B)
- 13.00–14.00** Central Asian Crane Site Network (Crawford Prentice) (Bruce Room A/B)

14.00–15.00 KEYNOTE PRESENTATIONS ON WATERBIRDS AROUND THE WORLD

Chair: Dr Jan-Willem Sneep (Main Auditorium)

- 14.00** *Statement by the European Union* Nick Hanley
- 14.05** Plenary presentation no. 6: *The implications of climate change for waterbirds*
Dr Max Finlayson, Wetlands International, Australia and Dr Habiba Gitay, University of Sydney, Australia
- 14.30** Plenary presentation no. 7: *The Arctic – origin of flyways* Dr Kent Wohl, Fish and Wildlife Service Alaska, USA and Chair of CAFF

15.00–16.00 Afternoon tea (lounge) and side events

- 15.00–16.00** Global Waterbird Committee consultation (Simon Delany) *By invitation only* (Bruce Room A/B)
- 15.00–16.00** Results of the first simultaneous waterbird count of the Yangtze floodplain wetlands (Mark Barter) (Wardlaw Room A/B)

16.00–18.00 FIVE PARALLEL SYMPOSIA

1 MIGRATION ECOLOGY SESSION 2

Convenor: Theunis Piersma and Nils Warnock (Main Auditorium)

- 16.00** *Stop-over strategies of migratory waterbirds along the East-Atlantic flyway: crucial stepping-stones identified, but not protected* Jan H. Beekman and Bart Nolet
- 16.20** *Crossing the ultimate ecological barrier: evidence for an 11,000 km-long non-stop flight from Alaska to New Zealand and east Australia by Bar-tailed Godwits Limosa lapponica* Robert E. Gill Jr, Theunis Piersma, Gary Hufford, Rene Servranckx and Adrian Riegen
- 16.40** *Determinants of Red Knot fitness; a stable isotope investigation* Phil Atkinson, Nigel A. Clark, Allan J. Baker, Patricia M. Gonzalez, Kimberley M. Cole, Richard M. Bevan and Jason Newton
- 17.00** *Geographical segregation in wintering Dunlin Calidris alpina populations along the East Atlantic flyway – evidence from mitochondrial DNA analysis* Ricardo J. Lopes and Liv Wennerberg
- 17.20** *Discussion*

2 THE IMPLICATIONS OF CLIMATE CHANGE FOR WATERBIRDS

Convenor: Mark O'Connell (Carnegie Room A/B)

- 16.00** *Fragility of Arctic Goose habitat: impacts of land use, conservation and elevated temperatures* M. O'Connell et al.
- 16.25** *Modelling the future of the vulnerable East Atlantic Light-bellied Brent Goose population under present weather conditions and global warming scenarios*
P. Clausen and M. Green
- 16.50** *Climate change and waterbirds: a review of the UK experience* M. Rehfisch
- 17.15** *Influence of ENSO and NAO on the demography and timing of migration in Common Terns breeding in Germany* M. Favero and P.H. Becker
- 17.40** *Discussion*

3 ORNIS SCIENTIFIC WORKING GROUP WORKSHOP (continued)

Convenor: Flemming P. Jensen (Wardlaw Room A/B)

Please note that this is a 3-hour symposium

Beyond sites: how to conserve waterbirds in the wider countryside

- 16.00** *How will the expected agricultural intensification in the new Member States affect waterfowl species that breed in the wider countryside?* Petr Musil
- 16.15** *Protecting swans, geese and other waterfowl wintering in farmland – the need for measures outside of protected areas* Mennobart van Eerden
- 16.30** *EU enlargement and the environment: wider measures and broader biodiversity debate* John Swift
- 16.45** *Discussion*
- 17.00** *General discussion on waterbird flyway conservation in an enlarged EU*
Topics to be discussed:
- *What are the main threats affecting waterbirds using the EU and do we have the right responses?*
 - *How can we protect waterbirds that occur in large numbers in the EU but have the main breeding and/or wintering area(s) outside the Community?*
 - *How can we create a 'coherent network' of wetland sites for birds in the EU?*
 - *Perspectives for its future management and monitoring.*
 - *What are the principal information and monitoring needs?*
 - *How can we enhance collaboration, share information and our experience in waterbird conservation along the flyways?*

4 EAST ASIA-PACIFIC FLYWAY

Convenor: Taej Mundkur, Chair: Barry Baker (Bruce Room A/B)

- 16.00** *Introduction* by Symposium Chair
- 16.05** *Overview of Asia-Pacific Migratory Waterbird Conservation Strategy – the way ahead* Taej Mundkur
- 16.20** *North-East Asian Crane Site Network* Simba Chan
- 16.35** *Statement on restoration work at Kushiro Marsh, a Crane Network Site in Hokkaido, Japan* Tatsuichi Tsujii

- 16.45** *The role of wetland centres and the conservation of wetlands and migratory waterbirds* Lew Young
- 17.00** *Shorebird research in the East Asian-Australasian Flyway – looking into the future* Phil Straw
- 17.15** *Threatened waterbird species in East and South-East Asia and actions needed for their conservation* Michael Crosby
- 17.30** *Monitoring of waterbirds in the Asia-Pacific* David Li
- 17.45** *Discussion and conclusions*

5 BUILDING EFFECTIVE ECOLOGICAL NETWORKS

Convenors: Leon Bennun and Ward Hagemeyer

Chair: Dave Pritchard (Gibson Room A/B)

- 16.00** *Introduction by Symposium Chair*
- 16.05** *Towards coherence in site networks* Dave Pritchard
- 16.20** *Flyway site network development in Asia: Siberian Crane as a flagship* Crawford Prentice *et al.*
- 16.35** *Establishment of a UK network of Special Protected Areas for waterbirds: the SPA review and future directions* Helen Baker and David Stroud
- 16.50** *The Western Hemisphere Shorebird Reserve Network* Charles Duncan
- 17.05** *Important Bird Areas: building blocks for site networks* Lincoln Fishpool *et al.*
- 17.20** *Enhancement of conservation activities under the action plan for Migratory Anatidae in the East Asian Flyway* Yoshihiko Miyabayashi *et al.*
- 17.35** *Networks of Critical Sites: the African-Eurasian UNEP-GEF Flyways Project* Ward Hagemeyer and Chris Baker
- 17.50** *Discussion and conclusion* Dave Pritchard

18.00–20.00 Dinner

18.00–21.00 Side events and start of poster session

- 18.15–18.40** 25th Anniversary of the Bonn Convention (Arnulf Müller-Helmbrecht) Refreshments hosted by CMS (JWCII poster/exhibition hall)
- 19.30–21.00** Duck capture and marking techniques workshop (David Rodrigues) (Carnegie Room A)
- 19.30–21.00** Waterbird Harvest Specialist Group (Gilles Deplanque) (Carnegie Room B)
- 19.30–21.00** AFRING (Dieter Oschadleus) (Bruce Room A)
- 19.30–21.00** Slender-billed Curlew Working Group (Ken Smith) (Bruce Room B)
- 19.30–21.00** Asian-Australasian Flyway/WSSD Initiative Meeting (Doug Watkins) (Gibson Room A)
- 19.30–21.00** Informal meeting of Wetlands International Board of Members (Jane Madgwick) (Wardlaw Room A)
- 19.30–21.00** Consultations on the draft Edinburgh Declaration (David Stroud) (Wardlaw Room B)
- 21.00–22.00** Spoonbill Sandpiper Action Plan (E. Syroechkovski Jr) (Gibson Room A)
- 21.00** Poster session continued with reception offered by The Netherlands Government (JWC I and II)

Tuesday 6 April 2004

07.15–19.00 Excursions

13.00–16.00 Yukon Delta shorebird migration group (A. Lindstrom) *By invitation only* (Wardlaw Room A)

18.00–20.00 Dinner

20.00–21.30 AEWA Communications Strategy (Gwen van Boven) *By invitation only* (Bruce Room A)

20.00–21.30 The Pilot Analysis of Ringing Data for African-Eurasian Waterbirds (PARDAEW) (James Harrison) *By invitation only* (Bruce Room B)

20.00–21.30 Lesser-white Fronted Goose Group Meeting (Ivan Rusev) (Carnegie Room A)

20.00–22.00 Duck Specialist Group (James Robinson) (Carnegie Room B)

20.00–22.00 Central Asian Flyway; informal meeting (Ward Hagemeyer and Tæj Mundkur) (Gibson Room B)

21.30–22.30 Waterbird Database Co-ordination Meeting (Simon Delany) (Gibson Room A)

Wednesday 7 April 2004

09.00–10.00 KEYNOTE PRESENTATIONS ON WATERBIRDS AROUND THE WORLD

Chair: Jane Madgwick (Main Auditorium)

09.00 *Plenary presentation no. 8: Sustainable harvest of waterbirds: a global review*
Dr Niels Kanstrup, Danish Hunters' Association, Denmark

09.30 *Plenary presentation no. 9: Cross-cutting research on a flyway scale – beyond monitoring*
Dr Silke Nebel, Simon Fraser University, Canada

10.00–10.30 Morning coffee (lounge)

10.30–12.30 FIVE PARALLEL SYMPOSIA

1 SUSTAINABLE WATERBIRD HARVEST SESSION 1

Convenor/Chair: Dr Niels Kanstrup (Main Auditorium)

10.30 *Welcome and opening* Dr Niels Kanstrup

10.40 *Waterbird Harvest Specialist Group* Gilles Deplanque

11.00 *Harvest of migratory Austral Geese Chloephaga spp. in Argentina: an overview of the present situation* V.M. de la Balze and Daniel Blanco

11.20 *Lake Chilwa, Malawi, waterbird subsistence use* L. Bhima and E. Sambo

11.40 *Sustainable hunting of migratory waterbirds: the Danish approach* T. Bregnballe, P. Clausen, I. Clausager, H. Noer, T.K. Christensen and T. Fox

12.00 *Discussion*

2 CONFLICT RESOLUTION SESSION 1

Convenor: Bruce Batt (Carnegie Room A/B)

- 10.30** *Recent measures to control Ruddy Ducks in the United Kingdom* Iain Henderson
- 10.50** *Reducing conflict between geese and farmers: management schemes and models* D. Cope
- 11.10** *Management of over-abundant Light Geese in North America* Bruce Batt
- 11.30** *Identifying requirements for staging waders: Horseshoe Crab eggs and Knot in Delaware Bay, USA* Nigel A. Clark and Philip W. Atkinson
- 11.45** *Airports, waterbirds and airstrikes* Dr Luit Buurma

3 INTRA-AFRICAN MIGRATION

Convenors: Issa Sylla and Tim Dodman (Wardlaw Room A/B)

- 10.30** *Introduction: identifying actions needed for the conservation of intra-African migratory waterbirds* Issa Sylla
- 10.40** *Conservation dilemmas for intra-African migratory waterbirds* Tim Dodman and Cheikh Diagana
- 11.00** *Fifty-five years of ringing data – past, present and future activities in SAFRING* Dieter Oschadleus
- 11.20** *Lesser Flamingo counts in Tanzanian Soda Lakes: implications for conservation* Charles Mlingwa and Neil Baker
- 11.40** *Satellite tracking reveals the East African flyway and key site network of the Lesser Flamingo* Phoeniconaias minor Brooks Childress, Baz Hughes, W. David Harper, Wim Van den Bossche, Peter Berthold and Ulrich Querner
- 12.00** *Resumé of presentations and posters; discussion of over-arching issues for developing recommendations on how to increase our knowledge about intra-African migrations and to promote the implementation of AEWA at this level* Issa Sylla/Gus Ezealor
- 12.30** *Recommendations and closure*

4 INTEGRATING WATERBIRD CONSERVATION: POPULATIONS, HABITATS AND LANDSCAPES SESSION 1

Convenor: Jim Kushlan (Bruce Room A/B)

- 10.30** *Setting continental waterbird population goals* D. Smith
- 10.50** *The Program for Regional and International Shorebird Monitoring* J. Bart, B. Andres, S. Brown, G. Donaldson, V. Johnston, S.L. Jones, R.I.G. Morrison and S. Skagen
- 11.10** *The Wetland Survey Alerts – an objective method of identifying important changes in numbers of wintering waterbirds at national and local scales* G. Austin
- 11.30** *Developing shared conservation strategies – partnership-based biological planning at landscape scale in the United States* R. Johnson
- 11.50** *Populations size, winter distribution and habitat associations of the eastern US subspecies of American Oystercatchers* *Haematopus palliatus* S. Brown, A. Schulte, B. Harrington, B. Winn, J. Bart and M. Howe

- 12.10** *Loss of shorebird habitat as a result of mangrove invasion – a worldwide trend*
P. Straw and N. Saintilan

5 THE ARCTIC: SOURCE OF FLYWAYS

Convenor: Gudmundur Gudmundsson (Gibson Room A/B)

- 10.30** *Introduction and overview*
- 10.35** *Nesting success of tundra waders, rodent abundance and weather from Taimyr to Chukotka, Russia* Mikhail Y. Soloviev, Pavel S. Tomkovich and Clive Minton
- 10.50** *Monitoring of Arctic wader populations in the Dutch Wadden Sea over 30 years* Meinte Engelmoer, Marc van Roomen, Ebel Nieboer, Klaas Koopman and Gerard Boere
- 11.05** *Co-ordinated Arctic Monitoring Plan* Richard Lanctot and the Committee for Holarctic Shorebird Monitoring (CHASM)
- 11.20** *Monitoring Arctic Geese that winter in western Europe* Bart S. Ebbinge
- 11.35** *The declining Spoon-billed Sandpiper *Eurhynchus pygmeus* in the Arctic, representing threats along the Pacific Asian Flyway* Christoph Zöckler
- 11.50** *Questions and discussion*

12.30–13.30 Lunch (lounge) and side events

- 12.30-13.00** Launch and signing new BTO-JNCC Partnership Agreement (Helen Baker)
By invitation only (Wardlaw Room A/B)
- 12.30–13.30** Specialist Group Co-ordinators Meeting (Tunde Ojei) (Bruce Room A/B)
- 13.15–13.45** Shorebirds – An illustrated behavioural ecology (Paul Kemmeren) *NB: The English, updated version of the original Dutch Ecological Atlas of the Wadden Sea* (Main Auditorium)

13.30–15.00 FIVE PARALLEL SYMPOSIA

1 SUSTAINABLE HARVEST OF WATERBIRDS SESSION 2

Convenor: Niels Kanstrup, Chair: J. Swift (Main Auditorium)

- 13.30** *Estimating waterfowl harvest in North America* P.I. Padding
- 13.50** *Lesser White-Fronted Goose management in the Caucasus region* I. Gauzer
- 14.10** *Russian waterbird harvest – bags combined with European data* E. Syroechkovski
- 14.30** *Discussion and conclusion*

2 CONFLICT RESOLUTION SESSION 2

Convenor: Bruce Batt (Carnegie Room A/B)

- 13.30** *The past, present, and future of resolving Double-crested Cormorant conflicts in the United States* Shauna Hanisch

- 13.50** *Reducing waterbird mortality in prolonged periods of cold weather: the British system of statutorily suspending shooting: a 24-year review* David A. Stroud, John Harradine, Colin Shedden, Julian Hughes, Gwyn Williams, Jacque Clark and Nigel Clark
- 14.10** *The Lindisfarne Refuge Project: waterfowl conservation and sustainable hunting* Steve M. Percival
- 14.25** *Assessing the degree of habitat loss to marine birds from the development of offshore wind farms* Tony Fox and Ib Petersen
- 14.40** *Managing shorebird flyways: shrimp aquaculture, wading bird populations, and flyway integrity* Yara Schaeffer-Novelli
- 14.55** *Final questions and closing comments*

3 NEOTROPICS

Convenor: Melanie Steinkamp and Roberto Schlatter, Chair: Xicoténcatl Vega-Picos (Wardlaw Room A/B)

- 13.30** *Rice culture as an important wintering site for migrant waterbirds from North America in Cuba* L. Mugica, M. Acosta, D. Denis and A. Jimenez
- 13.45** *Shorebird monitoring in the upper bay of Panama* L.F. Sanchez, A.E. Castillo and D.M. Buehler
- 14.00** *PROMAP First initiative for waterbird and wetland monitoring and conservation in Protected Areas of the Colombian Pacific* L.J. Naranjo, L.F. Castillo, R. Johnston, C. Hernandez, V. Pena, C. Ruiz, A. Ospina, G. Cadena, F. Estela, C. Copote, J. Salceso and J. Zamudio
- 14.15** *Conservation status and threats to migratory waterbirds in Argentina: towards a national strategy* S.D. Goldfeder and D.E. Blanco
- 14.30** *Ornitogeography, migration and nomadism in the southern neotropical freshwater bird communities* Roberto Schlatter
- 14.45** *Questions, conclusions and summary* Roberto Schlatter

4 INTEGRATING WATERBIRD CONSERVATION: POPULATIONS, HABITATS AND LANDSCAPES SESSION 2

Convenor: Jim Kushlan (Bruce Room A/B)

- 13.30** *Migration routes and staging areas of water birds in Russia* V.G. Krivenko
- 13.45** *Status of migratory waterfowl and the socioeconomic implications of Umgar wetland stop-over site in central Sudan* A.K. Tirba
- 14.00** *The Danish hunting-free reserve network: assessing the impact of doubling the shooting-free area* P. Clausen, T. Bregnbelle, K. Laursen, I. Clausager and T. Asferg
- 14.20** *Impacts of the hydrological cycle restoration on the populations of waterbirds of the National Park of Diawling, Mauritania (1995–2003)* Y. Diawara and C.H. Diagona
- 14.40** *Evaluating thirty years of the Ramsar Convention* M. O'Connell and N.C. Davidson

5 THE MARINE ENVIRONMENT: CHALLENGES FOR CONSERVATION IMPLEMENTATION

Convenor: John Croxall (Gibson Room A/B)

- 13.30** *Selection of suitable sites for marine protected areas for seabirds: a case study with Special Protection Areas (SPAs) in the German Baltic Sea* S. Garthe and H. Skov
- 13.45** *Use of satellite telemetry to locate key habitats for King Eiders in Western Greenland* A. Mosbech et al.
- 14.00** *Foraging ranges and migration routes in Southern hemisphere albatrosses; towards Marine Protected Areas for pelagic seabirds* F. Taylor et al.
- 14.15** *Selecting sites and defining boundaries for protecting waterbird aggregations in open coastal waters* A. Webb et al.
- 14.30** *Existing and proposed Marine Protected Areas and their relevance for seabird conservation* N. Nikolaeva et al.

15.00–15.15 Afternoon tea (lounge)

15.25–17.00 CLOSING EVENTS (Main Auditorium)

Chair: Dr Jan-Willem Snee

- 15.25** Presentation on Scotland's Natural Heritage by Prof. Des Thompson

Master of Ceremonies: Prof. Colin A. Galbraith

- 15.45** Arrival of VIP party
- 15.50** *Migration patterns and conservation of albatrosses and petrels of the Southern Ocean* John Cooper, South Africa
- 16.05** Presentation by His Royal Highness The Prince of Wales
- 16.25** Introduction to Volunteer Award by Prof. Colin A. Galbraith
- 16.27** Award Presentation Ceremony by His Royal Highness The Prince of Wales
- 16.32** Presentation of the Edinburgh Declaration by Prof. Colin A. Galbraith
- 16.40** Speech and Conference closure by Dr John Markland, Chairman of Scottish Natural Heritage
- 16.55** Chair formally closes Conference

18.00–20.00 Dinner

- 18.15–18.45** *International Wader Study Group Consultation Meeting* (Herman Hötker) (Wardlaw Room A/B)

20.00–23.00 Ceilidh hosted by Scottish Natural Heritage
(Main Hall JWC II)

Side events (also included in Main Programme)

Please note that it is always possible that extra side events will be organised ad hoc, or that timing and location of announced side events may change. Changes will be notified via session chairs, on the message board and on the TV screens in the building.

Saturday 3 April 2004

09.00–18.00 Wetlands International Board of Directors Meeting (Daniëlle Nieuwenhuijse)
By invitation only (Carnegie Room A/B)

14.00–18.00 Wader Study Group EXCO Meeting (Herman Hötter) *By invitation only* (Gibson Room A)

18.00–20.00 Dinner

20.00–22.00 Global International Waterbird Census Co-ordinators Meeting (Simon Delany)
(Wardlaw Room A/B)

Sunday 4 April 2004

12.30–14.00 Lunch (lounge)

13.00–14.00 Greenland White-fronted Goose Consultation (Tony Fox) *By invitation only* (Bruce Room A/B)

13.30–14.00 Launch Asian Waterbird Census Report (David Li) (Main Auditorium)

15.30–16.30 Afternoon tea (lounge)

15.45–16.30 CHASM – Arctic Monitoring (Richard Lanctot) (Bruce Room A/B)

15.45–16.30 EURING (Fernando Spina) (Wardlaw Room A/B)

Monday 5 April 2004

12.30–14.00 Lunch (lounge)

13.00–14.00 Seaduck Specialist Group (Stefan Pihl) (Wardlaw Room A/B)

13.00–14.00 Heron Specialist Group (Jim Kushlan) (Carnegie Room A/B)

13.00–14.00 Wader colour-mark scheme co-ordination (Pavel Tomkovich) (Main Auditorium)

13.00–14.00 AEWA/GEF Co-ordination Meeting (Chris Baker) *By invitation only* (Gibson Room A/B)

13.00–14.00 Central Asian Crane Site Network (Crawford Prentice) (Bruce Room A/B)

15.00–16.00 Afternoon tea (lounge)

15.00–16.00 Global Waterbird Committee consultation (Simon Delany) *By invitation only*
(Bruce Room A/B)

15.00–16.00 Results of the first simultaneous waterbird count of the Yangtze floodplain wetlands (Mark Barter) (Wardlaw Room A/B)

18.00–20.00 Dinner

18.15–18.30 25th Anniversary of the Bonn Convention (Arnulf Müller-Helmbrecht)
Refreshments supplied by CMS (JWCII poster/exhibition hall)

- 19.30–21.00** Duck capture and marking techniques workshop (David Rodrigues) (Carnegie Room A)
- 19.30–21.00** Waterbird Harvest Specialist Group (Gilles Deplanque) (Carnegie Room B)
- 19.30–21.00** AFRING (Dieter Oschadleus) (Bruce Room A)
- 19.30–21.00** Slender-billed Curlew Working Group (Ken Smith) (Bruce Room B)
- 19.30–21.00** Asian-Australasian Flyway/WSSD Initiative Meeting (Doug Watkins) (Gibson Room A)
- 19.30–21.00** Informal meeting of Wetlands International Board of Members (Jane Madgwick) (Wardlaw Room A)
- 19.30–21.00** Consultations on the draft Edinburgh Declaration (David Stroud) (Wardlaw Room B)
- 21.00–22.00** Spoonbill Sandpiper Action Plan (E. Syroechkovski Jr) (Gibson Room A)
- 21.00** Poster session continued with reception hosted by The Netherlands Government (JWC I and II)

Tuesday 6 April 2004

- 13.00–16.00** Yukon Delta shorebird migration group (A. Lindstrom) *By invitation only* (Wardlaw Room A)

18.00–20.00 Dinner

- 20.00–21.30** AEWA Communications Strategy (Gwen van Boven) *By invitation only* (Bruce Room A)
- 20.00–21.30** The Pilot Analysis of Ringing Data for African-Eurasian Waterbirds (PARDAEW) (James Harrison) *By invitation only* (Bruce Room B)
- 20.00–21.30** Lesser-white Fronted Goose Group Meeting (Ivan Rusev) (Carnegie Room A)
- 20.00–22.00** Duck Specialist Group (James Robinson) (Carnegie Room B)
- 20.00–22.00** Central Asian Flyway; informal meeting (Ward Hagemeyer and Taej Mundkur) (Gibson Room B)
- 21.30–22.30** Waterbird Database Co-ordination Meeting (Simon Delany) (Gibson Room A)

Wednesday 7 April 2004

12.30–14.00 Lunch (lounge)

- 12.30–13.00** Launch and signing new BTO-JNCC Partnership Agreement (Helen Baker) *By invitation only* (Wardlaw Room A/B)
- 12.30–13.30** Specialist Groups Co-ordinators Meeting (Tunde Ojei) (Bruce Room A/B)
- 13.15–13.45** Shorebirds – An illustrated behavioural ecology (Paul Kemmeren) *NB: The English, updated version of the original Dutch Ecological Atlas of the Wadden Sea* (Main Auditorium)

18.00–20.00 Dinner

- 18.15–18.45** International Wader Study Group Consultation Meeting (Herman Hötker) (Wardlaw Room A/B)

BOARD OF PATRONS

Hugh Boyd, Canada
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