

# symposium

AT THE ZOOLOGICAL SOCIETY OF LONDON



**ZSL**  
LIVING CONSERVATION

8 and 9 May 2008 ALL DAY | [www.zsl.org/science/scientific-meetings/](http://www.zsl.org/science/scientific-meetings/) | tickets in advance only

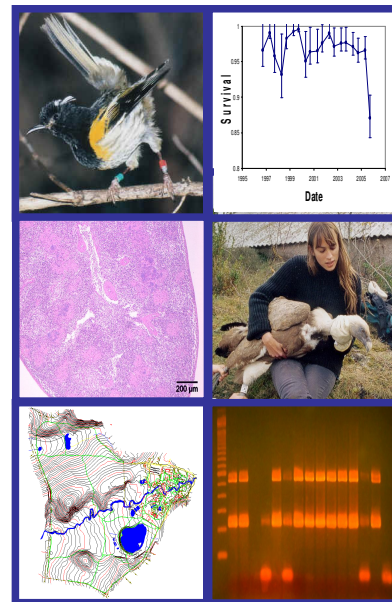
## AVIAN REINTRODUCTION BIOLOGY: current issues for science and management

organised by Doug Armstrong, John Ewen, Kevin Parker & Philip Seddon

Invited speakers will present their expert opinions on a range of topics that encompass current priorities in avian reintroduction biology.

Our aims are to bring wildlife ecologists, population modellers, geneticists, animal husbandry professionals, and veterinarians together in order to discuss their contributions to avian reintroduction. This broad expertise base often results in differing, and sometimes conflicting, goals and approaches.

There is a desperate need to coordinate our thinking across these disciplines to promote a stronger knowledge base for more efficient and successful conservation reintroductions in the future.



### Confirmed contributors

**Doug P. Armstrong,**  
Massey University, New Zealand

**Chris Bowden,**  
RSPB, UK

**Andrew A. Cunningham,**  
Institute of Zoology, UK

**Joanne Earnhardt,**  
Lincoln Park Zoo, USA

**Andy D. Evans,**  
RSPB, UK

**John G. Ewen,**  
Institute of Zoology, UK

**Brett D. Gartrell,**  
Massey University, New Zealand

**Andrew Greenwood,**  
IZVG, UK

**Jim J. Groombridge,**  
DICE, University of Kent, UK

**Ian G. Jamieson,**  
University of Otago,  
New Zealand

**Carl G. Jones,**  
Durrell Wildlife Conservation Trust,  
Jersey, Channel Islands

**Mike J.R. Jordan,**  
Chester Zoo, UK

**Lukas F. Keller,**  
Universität Zürich, Switzerland

**Richard A. Kock,**  
ZSL, UK

**Frederic Launay,**  
Environment Agency, Abu Dhabi  
& Chair, IUCN/SSC Reintroduction  
Specialist Group, UAE

**Tim Lovegrove,**  
Auckland Regional Council, New  
Zealand

**Michael A. McCarthy,**  
University of Melbourne, Australia

**Don Merton,**  
Department of Conservation,  
New Zealand

**Peter Newbery,**  
RSPB, UK

**Jim D. Nichols,**  
USGS Patuxent Wildlife Research  
Center, USA

**Patrick E. Osborne,**  
University of Southampton, UK

**Kevin A. Parker,**  
Massey University, New Zealand

**David S. Richardson,**  
University of East Anglia, UK

**Alexandre Robert,**  
Muséum National d'Histoire  
Naturelle, France

**François Sarrazin,**  
Université Pierre & Marie Curie,  
France

**Philip J. Seddon,**  
University of Otago, New Zealand

**Nirmal J. Shah,**  
Nature Seychelles, Seychelles

**William J. Sutherland,**  
University of Cambridge, UK

**Kirsty J. Swinnerton,**  
Island Conservation Canada,



## THURSDAY 8 MAY 2008 – draft programme

Programme updates available from [www.zsl.org/science/scientific-meetings](http://www.zsl.org/science/scientific-meetings)

8:30 Registration opens

9:00 Welcome

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### SESSION I: THE ROLE OF REINTRODUCTION IN CONSERVATION

*Chair: Kevin Parker (Massey University, New Zealand)*

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9:10 **Developing the science of reintroduction biology**

*Philip Seddon (University of Otago, New Zealand & Bird Section Chair IUCN SSC/RSG)*

9:35 **The IUCN reintroduction specialist group and its developing roles**

*Frederic Launay (Environment Agency Abu Dhabi, UAE & Chair IUCN SSC/RSG)*

10:00 **KEYNOTE ADDRESS – Historic successes and future challenges in reintroductions**

*Don Merton (ex. Department of Conservation, New Zealand)*

10:30 **POSTER SESSION (TEA/COFFEE)**

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### SESSION II: PLANNING FOR SUCCESS

*Chair: Doug Armstrong (Massey University, New Zealand)*

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11:10 **The challenges of appropriate capture, holding, movement and release for successful reintroductions**

*Kevin Parker (Massey University, New Zealand) and Tim Lovegrove (Auckland Regional Council, New Zealand)*

11:35 **Just how successful is incubation and hand-rearing for reintroduction?**

*Mike Jordan (Chester Zoo, UK & Europe & North Asia Regional Chair IUCN SSC/RSG)*

12:00 **Aggressive strategies for the restoration of critically endangered species – novel strategies for difficult situations**

*Carl Jones (Durrell Wildlife Conservation Trust, Jersey, Channel Islands)*

12:25 **LUNCH**

13:30 **Lessons learnt and the future planning for reintroductions in the British Isles**

*Peter Newbery and Andy Evans (Royal Society for the Protection of Birds, UK)*

13:55 **Using species distribution models to identify suitable release sites for reintroductions**

*Patrick E. Osborne (University of Southampton, UK)*

14:20 **Rebooting the matrix: reintroduction success in Seychelles through an ecosystem-based toolkit approach**

*Nirmal Shah (Nature Seychelles, Seychelles)*

14:45 **POSTER SESSION (TEA/COFFEE)**

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### SESSION III: DISEASE RISKS AND THE RISKS OF DISEASE MITIGATION

*Chair: John Ewen (Institute of Zoology ZSL, UK)*

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15:15 **Parasites, disease and reintroduction programmes**

*Andrew Cunningham (Institute of Zoology ZSL, UK)*

15:40 **Realised impacts of disease in bird reintroductions**

*Kirsty Swinnerton (Island Conservation Canada) and Andrew Greenwood (International Zoo Veterinary Group, UK)*

16:05 **Roles of quarantine in avian translocation**

*Brett Gartrell (Massey University, New Zealand)*

16:30 **Risk assessment as a solution to disease management**

*Richard Kock (Zoological Society of London, UK)*

17:00 **End of Day One**

19:00 **SYMPOSIUM DINNER** – tickets to be booked in advance

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## **SESSION IV: INBREEDING**

*Chair: John Ewen (Institute of Zoology ZSL, UK)*

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- 9:00 **Inbreeding and other genetic effects and their implications for reintroduction**  
*Lukas Keller (Universität Zürich, Switzerland)*
- 9:25 **Genetic variation, inbreeding and disease risk in reintroductions**  
*David Richardson (University of East Anglia, UK)*
- 9:50 **Historical declines and their possible consequences for the reintroduction of recovering populations**  
*Jim Groombridge (Durrell Institute of Conservation and Ecology, University of Kent, UK)*
- 10:15 **POSTER SESSION (TEA/COFFEE)**
- 10:55 **The role of genetic factors in extinction risk**  
*Ian Jamieson (University of Otago, New Zealand)*
- 11:20 **From inbreeding depression to population dynamics**  
*Alexandre Robert (Muséum National d'Histoire Naturelle, France)*
- 11:45 **EARLY LUNCH**
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## **SESSION V: MODELLING AND MANAGEMENT**

*Chair: Nathalie Pettorelli (Institute of Zoology ZSL, UK)*

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- 13:15 **A guide to developing useful models for managing reintroduced populations**  
*François Sarrazin (Université Pierre et Marie Curie, France)*
- 13:40 **Modelling reintroduced populations: the state of the art and future directions**  
*Doug Armstrong (Massey University, New Zealand & Oceania section chair IUCN SSC/RSG)*
- 14:05 **Incorporating prior information into models for reintroduced populations**  
*Mick McCarthy (University of Melbourne, Australia)*
- 14:30 **Toward a comprehensive decision framework for reintroduced populations**  
*Jim Nicholls (USGS Patuxent Wildlife Research Center, USA)*
- 14:55 **POSTER SESSION (TEA/COFFEE)**
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## **SESSION VI: DATA COLLATION AND INFORMATION SHARING**

*Chair: Philip Seddon (University of Otago, New Zealand)*

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- 15:35 **The who, where, what, when, why and how of avian reintroductions**  
*Joanne Earnhardt (Lincoln Park Zoo, Chicago, IL, USA)*
- 16:00 **Conservation evidence and the power of knowledge**  
*Bill Sutherland (University of Cambridge, UK)*
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## **SUMMARY** *Chair: Philip Seddon (University of Otago, New Zealand)*

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- 16:25 **How well oiled is the machine and who provides the horsepower: a synthesis of opposing views from the meeting.** Five minutes each from:  
*Doug Armstrong, IUCN SSC/RSG (Modeller);*  
*Chris Bowden, Royal Society for the Protection of Birds (NGO);*  
*Richard Kock, Zoological Society of London (Veterinarian);*  
*TBC (invited geneticist); and*  
*Carl Jones, Durrell Wildlife Conservation Trust (International Conservation Fellow)*
- 16:50 **Concluding remarks and future outputs**
- 17:00 *End of Symposium*

## LOCATION



The Zoological Society of London's Meeting Rooms are next to its Main Offices, on the Outer Circle, Regent's Park. Cars may be parked in the London Zoo visitors' car park at the special rate of £9 per day. The nearest public transport is by the 274 bus (to the Zoo), or by Underground (to Camden Town).

## NOTES

**Attendance** Tickets must be booked in advance. **Full rate:** two days or part days £120; one day or part day £70. **Member/Student rate:** two days or part days £60; one day or part day £35. Registration deadline: 25 April 2008 (thereafter a fee of £10 will be charged on all registrations).

**Meals and refreshments** Coffee and tea will be served during breaks and lunch is provided. A dinner will be held at the end of the first day; tickets cost £40 each and must be purchased no later than 25 April 2008.

**Posters** Present a poster of your research or work in this area. There are spaces for approximately 25 posters that will be displayed throughout the meeting. Attendees will have plenty of time to study posters and interact with speakers and other delegates during tea/coffee breaks. Posters will be accepted on a first-come first-served basis and abstracts of no more than 250 words outlining poster content should be emailed to [joy.hayward@zsl.org](mailto:joy.hayward@zsl.org) by 28 March 2008 for consideration. Notification of accepted poster presentations will be given by 4 April 2008.

**Booking and enquiries** please contact: Joy Hayward, Scientific Meetings Coordinator,  
Zoological Society of London  
Regent's Park (Outer Circle)  
London NW1 4RY, UK.  
E: [joy.hayward@zsl.org](mailto:joy.hayward@zsl.org); T: +44 (0)20 7449 6227

[www.zsl.org/science/scientific-meetings/](http://www.zsl.org/science/scientific-meetings/)

# REGISTRATION FORM

## AVIAN REINTRODUCTION BIOLOGY: current issues for science and management

Thursday 8 and Friday 9 May 2008 in the ZSL Meeting Rooms, The Zoological Society of London, Regent's Park (Outer Circle), London NW1 4RY, UK.

### Symposium Attendance

For two days or part days

For one day or part day

### Full rate

£120

£70

### Member/Student rate

£60

£35

**Deadline for Registration:** 25 April 2008 (there is a £10 fee on all late registrations)

Please photocopy if necessary and return one form per delegate to Joy Hayward, Scientific Meetings Coordinator, The Zoological Society of London, Regent's Park, London NW1 4RY, United Kingdom or fax to +44 (0)20 7449 6411.

## REGISTRATION

Please register me for: TWO DAYS / THURSDAY / FRIDAY (please delete as applicable)

I AM / AM NOT\* a Member (Fellow/Friend) of The Zoological Society of London<sup>1</sup>

I AM / AM NOT\* a registered graduate/undergraduate student<sup>2</sup>

<sup>1</sup>Please provide your ZSL Membership number .....

<sup>2</sup>Please provide a supporting statement from your course supervisor or a copy of your student card.

## 3-COURSE THURSDAY EVENING DINNER

I would like to book for dinner on Thursday 8 May: please send me.....dinner tickets (£40 each).

Please state if you have any special dietary requirements including vegetarian.

*Closing date for dinner bookings: 25 April 2008.*

## PAYMENT DETAILS

**Cheque** I enclose a cheque for £..... payable to: The Zoological Society of London (cheques can only be accepted in Sterling drawn against a UK bank)

**Card** Please complete all details below and return by fax or by post:  
Please debit my Visa / Mastercard (delete as appropriate)

Amount £.....

Card Number ..... / ..... / ..... / .....

Expiry Date ..... / .....

Name on Card ..... (capital letters please)

Signature of Card Holder ..... Date .....

If you would prefer to give card details over the telephone please call Joy Hayward on +44 (0)20 7449 6227.

## Your details

**Name:** .....

**Address (to which tickets should be sent):** .....

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**Tel.**..... **Email.**.....

We would like to make a list of delegates available to all attendees. Please indicate here if you **do not wish** your information (name, institution, email address) to be included [ ]

For more information, contact Joy Hayward: Tel: +44 (0) 20 7449 6227; Email: joy.hayward@zsl.org

## CALL FOR POSTERS

### **AVIAN REINTRODUCTION BIOLOGY: current issues for science and management** **A two-day international symposium**

**Thursday 8 and Friday 9 May 2008** at the ZSL Meeting Rooms, The Zoological Society of London, Regent's Park (Outer Circle), London, NW1 4RY, UK

There are spaces for approximately 25 posters at this 2-day symposium. Posters will be on display throughout, and attendees will have plenty of time to study posters and interact with speakers and other delegates during tea/coffee breaks (poster area is close to refreshment points).

**Please note the deadline for submission of poster abstracts is 28 March 2008.**

**Posters will be accepted on a first-come first-served basis; the organisers will contact you by 4 April 2008 to let you know the outcome of your submission.**

Abstracts of no more than 250 words outlining poster content should be emailed to [joy.hayward@zsl.org](mailto:joy.hayward@zsl.org) by 28 March 2008 for consideration.

Title of poster

Author(s) of poster.  
Please indicate which author/representative will attend the symposium to present poster.  
Registered delegates' posters will be given priority over poster abstracts submitted by non-delegates.

Contact email address for representative

Abstract of no more than 250 words outlining poster content

**For more information**, please contact

Joy Hayward: Tel: +44 (0) 20 7449 6227; Fax: +44 (0) 20 7449 6411; Email: [joy.hayward@zsl.org](mailto:joy.hayward@zsl.org)