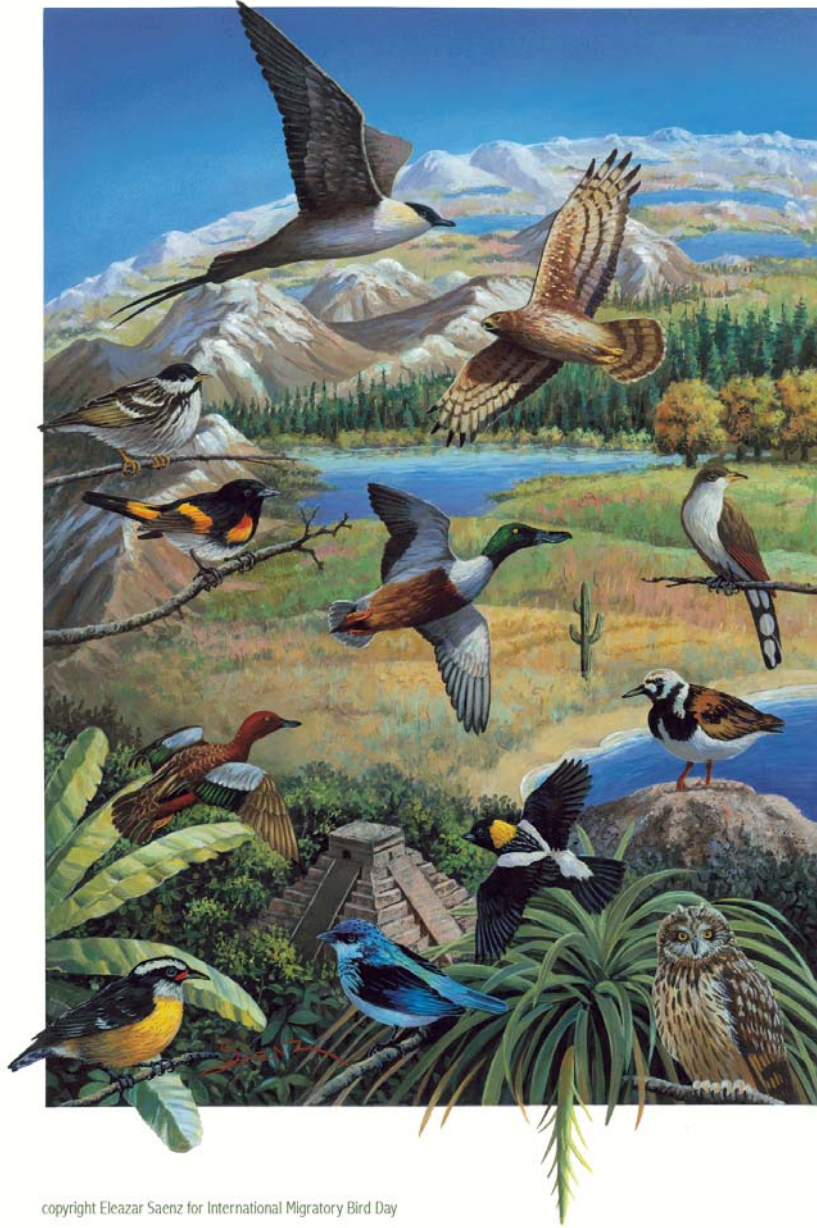




Fourth International Partners in Flight Conference



copyright Eleazar Saenz for International Migratory Bird Day

TUNDRA TO TROPICS *Connecting Birds, Habitats and People* **Program**

13-16 February 2008
McAllen Convention Center, McAllen, Texas

Green Jay Sponsors



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¡Welcome!

On behalf of Partners in Flight, the McAllen Chamber of Commerce, the McAllen Convention and Visitors' Bureau, and the Rio Grande Joint Venture, we welcome you to The Valley. According to Kenn Kaufman, "*The Valley really is the best place in the United States for birdwatching,*" and conferences we think!

Partners in Flight was formed in 1990 to address long-term population declines among species that breed in the U.S. and Canada and winter in the Neotropics. The partnership quickly expanded to include all landbirds that regularly breed in the two countries (448 species) and is on the brink of formally including the landbirds of Mexico as well. The Mission and Goals of PIF are printed on the inside back cover.

Partners in Flight only holds a conference when we believe that developments in bird conservation require that we get together to share the latest information and plan for the future. PIF has held three major international conferences to date:

Estes Park, Colorado	21-25 September 1992
Cape May, New Jersey	1-5 October 1995
Asilomar, California	20-24 March 2002

While each conference has had a diverse content, as evidenced by the respective conference programs and proceedings, there typically has been a focus in each one. For this conference, we are not only addressing the hemispheric theme of *Tundra to Tropics: Connecting Birds, Habitats and People*, we are also including an unprecedented number of sessions on education and outreach. This acknowledges the increasing need for us to address the third component in our title. Indeed, if we don't connect people – to each other, to the habitats, and to the birds – we cannot succeed, no matter how important our research and monitoring results, and our other scientific accomplishments. The bird educators in McAllen will be identified by a special sticker on their name tags. Let's talk!

We will produce two specific products from this conference. One is a Conference Proceedings and the other is a Bird Conservation Needs Assessment. The Needs Assessment will be built from discussions within each of our conference sessions wherein the most pressing short-term and mid-term needs will be identified. These needs will be compiled and distributed electronically soon after the conference is over. PIF committees and partners will then examine these needs to set priorities and find resources for addressing them. We hope that you will participate eagerly in the discussion sessions and help us build the future from the Tundra to the Tropics!

—Partners in Flight McAllen Committees, February 2008

Sponsors

This conference simply could not have happened without the generous support of our sponsors. Their logos are shown on the inside cover of this program. Please take a moment to visit their web sites and booths in Exhibit Hall A, and to say thanks to those you see at the conference.

Conference Art and Artist Eleazar Saenz

Light, color and precise detail are the main elements Eleazar Saenz uses to capture the grace, power and mystery of wildlife. His inspiration and references are vivid experiences enjoying the mountains, deserts, forests, and jungles of Mexico. When we ask Eleazar about his beginning in wildlife art, he remembers with nostalgia the time when he simply looked at calendars, especially those that depicted images of animals in their habitats. He also remembers the places that he knew as a child - rivers, mountains, lakes – and the feeling of peace and freedom produced when watching migratory ducks cross the sky. Yes, first he learned to love nature.

Later, Eleazar found his life vocation: painting. He then combined his love for nature with art. Now he is a wildlife artist who captures in his images a piece of wildlife and shares it with the viewer. He is well known for his versatility and wide range of subjects and mediums including paintings, murals, dioramas and portraits. Eleazar has received numerous awards and been featured in a number of events including: in 1995 and 1996 his work won top national ranking in a stamp contest (Ducks Unlimited of Mexico). His work has won other prizes and has been exhibited in galleries and museums of Mexico, the USA and Canada.

Keynote Speakers



Fiona Schmiegelow

Title: Winged Winds of Change: On Being a Boreal Bird

Description: Boreal regions of North America contain a large proportion of the world's remaining wilderness and have been described as the northern nursery for continental breeding bird populations. Boreal systems are naturally dynamic and continue to be shaped by large-scale disturbances. However, recent resource development activities have resulted in unprecedented rates of landscape change, and the overarching specter of a rapidly changing climate poses significant challenges to bird conservation in the region. I will explore the present and future factors shaping boreal bird communities and the systems on which they depend, through analysis of ecological, economic and social trends, and suggest conservation and management strategies that allow us to evaluate whether boreal birds are harbingers of doom, or models for resilience, in these times of change.

CV: Dr. Schmiegelow has been researching the many mysteries of boreal systems for almost 20 years. For the past 10 years, she has been a professor at the University of Alberta, in the southern boreal, but several years ago, was lured further north to the Yukon Territory, where she now resides. She is presently cross-appointed to the Wildlife and Landscape Science Division of Environment Canada, and maintains active research at regional, national and international scales. She leads the National Boreal Bird Habitat Modeling and BEACONS (Boreal Ecosystems Analysis of Conservation Networks) Projects, both of which are contributing to large-scale conservation planning across Canada. Increasingly, her interests lie at the interface of science and policy, as the forum for managing ecological and social change. Recent activities of this type include providing scientific

advice to the Commission on Environmental Cooperation under the North American Free Trade Agreement, on issues concerning boreal birds and the Migratory Birds Convention Act, and chairing a national science review of critical habitat for woodland caribou in Canada.



Bron Taylor

Title: Science & Spirituality: Making the Connection in the Cause of Conservation

Description: Conservation activists and professionals have long been animated by deep, affective connections the organisms and habitats they seek to protect. But they often encounter resistance from religiously motivated actors who view this world as made exclusively for humanity and who believe that their indifference, if not hostility, to conservation is religiously grounded. Conservationists are increasingly, however, drawing on their own religious traditions and spiritual perceptions, both for the strength they provide and as a counterweight to claims

that God is on the opposite side of the conservationist cause. My presentation looks at contemporary streams of conservationist spirituality and suggests that the more conservationists grow comfortable with speaking of their deeper, spiritual, motivations, the more effective they will be.

CV: Trained in ethics, religious studies, and social scientific approaches to understanding human culture, Bron Taylor's scholarly work engages the quest for environmentally sustainable societies. Appearing in articles, books, and a multi-volume encyclopedia, he examines a wide range of phenomena, especially grassroots environmental movements and organizations, and international institutions, with special attention to their moral and religious dimensions. An academic entrepreneur and program builder, he led the initiative to create an academic major in the Environmental Studies at the University of Wisconsin Oshkosh, later initiated and was elected the first president of the International Society for the Study of Religion, Nature, and Culture, while also founding its affiliated journal. Recruited to fill the Samuel S. Hill Ethics Chair at the University of Florida in 2002, he played a leading role in constructing the world's first Ph.D. program with an emphasis in Religion and Nature. Most recently, he has been involved in an international think tank exploring ways to more effectively promote an environmentally sustainable future. Bron has a B.A. in Religious Studies and a B.A. in Psychology from California State University - Chico, an M.A. in Theology from Fuller Theological Seminary and a Ph.D. in Religion (Social Ethics) from the University of Southern California.



Yossi Leshem

Title: Migrating Birds Know No Boundaries: The Middle East and the Great Rift Valley Test Case

Description: In a conflict area like the Middle East, the birds which know no boundaries were used as a platform to develop "People to People" activities between Jordanians, Israelis and Palestinians. We developed an interdisciplinary concept using bird studies to develop joint

educational projects, eco-tourism, an initiative to solve conflicts between Barn Owls and farmers and an environmental system using Barn Owls and Kestrels as pest controllers. The concept which became a success story is being developed now to be used along the Great Rift Valley from Turkey to Mozambique by declaring the Great Rift Valley as a World Heritage Site by the United Nations Educational, Scientific and Cultural Organization.

CV: Dr. Leshem is Senior Researcher in the Department of Zoology in the Faculty of Life Sciences at Tel Aviv University and is the founder and Director of the International Center for the Study of Bird Migration at Latrun, Israel. He worked at the Society for the Protection of Nature in Israel (SPNI), the leading NGO in Israel, for 25 years, as a guide, as Director of a Field Study Center, as Head of the Nature Protection Department, Initiator and Director of the Israel Raptor International Center between 1980-1991, and as the Executive Director of the SPNI between 1991-1995. Dr. Leshem has been involved in many aspects of nature conservation, with the emphasis on bird research for over 30 years. Since 1984 his research for his doctorate, which was conducted with the cooperation of the Israeli Air Force and the Ministry of Science, has resulted in a decrease of 76% in the number of collisions with aircraft caused by birds, and has saved 700 million dollars, not to mention the numbers of lives, both human and avian. Today he serves as Lt. Col. (Ret) in the Israeli Air Force reserves and continues this research. In 2005 he won the prestigious Mike Kuhring Prize for achievements in avoiding bird-aircraft strikes, and for his mission to connect aviation safety with nature conservation thereby contributing to bird strike prevention world wide.



Stephen Baillie

Title: From Population Ecology to Policy and Planning: Examples from the United Kingdom

Description: Effective policies for the conservation and management of wildlife populations need to be based on sound science. For widespread bird species this usually requires a combination of long-term monitoring of numbers and demography, targeted extensive surveys and intensive field studies. It is also essential to develop ways of communicating scientific findings to politicians and policy makers that allow them to engage with the key issues. I will illustrate these principles using two examples from the work of the British Trust for Ornithology. The first relates to actions being taken to reverse the large-scale declines in farmland birds that took place between the mid-1970s and the early 1990s, including the identification of the problem, the development of management prescriptions and ongoing efforts to evaluate large-scale measures for species recovery. The second contrasting example involves the use of ornithological monitoring data in contingency planning for dealing with outbreaks of Highly Pathogenic Avian influenza (HPAI). Both examples illustrate the key role of well organized volunteer-based surveys in delivering high quality conservation science.

CV: Dr Stephen Baillie is Director of Populations Research at the British Trust for Ornithology and an Honorary Reader in Biological Sciences at the University of East Anglia. His department at the BTO undertakes conservation-oriented research into the abundance and demography of British bird populations. For the last 20 year he has led the development of the BTO's Integrated Population

Monitoring Programme which combines results from censuses, nest recording and banding to raise alerts to population changes of conservation concern and to elucidate their demographic and ecological causes. He has been responsible for the development of the UK Breeding Bird Survey and the BTO's Constant Effort Mist-netting Sites programme, on which similar schemes operating throughout Europe and North America (MAPS) are based. He is currently Chairman of the EURING, the European Union for Bird Ringing. Stephen Baillie's primary research interests are in temporal and spatial population dynamics, particularly the estimation of demographic parameters and the development of population models. Much of this work is relevant to the conservation and management of birds in the wider countryside and to elucidating the potential impacts of climate change. He is also involved in research on bird migration and is an author of the *Migration Atlas – Movements of the Birds of Britain and Ireland*. He leads the strategic development of the BTO's use of the Internet for the dissemination of scientific results (e.g. <http://www.bto.org/birdtrends>) and for the collection of ornithological data (e.g. <http://www.bto.org/birdtrack>).

Conference Committees

Partners in Flight greatly appreciates the considerable time put in by members of the conference Steering Committee and Program Committee. These people have flags on their name tags identifying them. Please take a moment to say thanks to them as well. They should also be able to answer any questions you may have about the conference.

Steering Committee

Coro Arizmendi, Universidad Nacional Autónoma de México
Ernie Arredondo, McAllen Convention and Visitors' Bureau
Humberto Berlanga, Comisión Nacional para el Conocimiento y Uso de la Biodiversidad
Susan Bonfield, International Migratory Bird Day
Carol Beardmore, Sonoran Joint Venture
Carol Beidleman, National Park Service
Brenda Dale, Environment Canada – Canadian Wildlife Service
Dean Demarest, U.S. Fish and Wildlife Service
Chris Eberly, Department of Defense Partners in Flight
Joni Ellis, Optics for the Tropics
Rich Fischer, U.S. Army Corps of Engineers
Geoff Geupel, PRBO Conservation Science
Wendell Gilgert, Natural Resources Conservation Service
Mary Gustafson, Texas Parks and Wildlife Department and Rio Grande Joint Venture
Dave Krueper, U.S. Fish and Wildlife Service
Linda L. Long, U.S. Forest Service
Nancy Millar, McAllen Convention and Visitors' Bureau
Rebecca M. Olaguibel, McAllen Convention Center
CJ Ralph, U.S. Forest Service
Terry Rich, U.S. Fish and Wildlife Service and Partners in Flight
Cecilia Riley, Gulf Coast Bird Observatory
Ken Rosenberg, Cornell Lab of Ornithology
Janet Ruth, U.S. Geological Survey

Sandy Scoggin, San Francisco Bay Joint Venture
Cliff Shackelford, Texas Parks and Wildlife Department

Program Committee

Brenda Dale, Canadian Wildlife Service
Linda L. Long, U.S. Forest Service
CJ Ralph, U.S. Forest Service
Terry Rich, U.S. Fish and Wildlife Service
Ken Rosenberg, Cornell Lab of Ornithology
Eduardo Santana, Universidad de Guadalajara
Ann Sutton, Society for Conservation and Study of Caribbean Birds
Xico Vega, Western Hemisphere Shorebird Reserve Network

Green Meeting

To avoid wasting resources, this will be a "green" meeting with a NO JUNK policy. We hope you have brought your own coffee mug, water bottle, tote bag, note pad, and anything else you need to for the conference. These things will not be provided. We also have deliberately not stuffed a packet with brochures and other information for you. However, there is plenty of valuable information in the registration area that we encourage you to peruse and take with you.

Registration

All attendees will need to have registered prior to the conference. This is because we are providing four full meals (see below), and all this food had to be ordered somewhat ahead of time. We've taken this approach to make it convenient for attendees and to keep everyone together during our breaks. All registrants will receive a receipt for their payments. But if you have any special needs for a receipt, please let us know.

Breaks and Meals

All of the following breaks and meals, except for the Saturday night banquet, are included in your registration fee. The banquet requires a separate payment and ticket. However, all are welcome to participate in the pre-banquet happy hour. The schedule has been set for a little later than usual to allow for early morning birding.

Coffee Break	10:45-11:15	Thursday, Friday and Saturday
Buffet Lunch	12:30-14:00	Thursday, Friday and Saturday
Coffee Break	15:30-16:00	Thursday, Friday and Saturday
Buffet Dinner	18:00-19:30	Thursday only
Banquet Happy Hour & music	17:30-19:30	Saturday (all welcome)
Banquet	19:00-22:00	Saturday (ticket required)

Food and beverages for all of these breaks and meals, except for the banquet, will be served in Exhibit Hall A. There will also be seating in the Exhibit Hall and we encourage you to visit the vendors and sponsors during this time. There will be additional seating in Ballroom A+B, outside, and in seating clusters throughout the Convention Center.

Social Events

The following is a schedule of social events. All events are included in your registration except for the Saturday evening banquet. Even the happy hour before the banquet is free, but you do need a ticket for the banquet itself.

Tuesday, 12 February

Tundra to Tropics Education Reception for All Conference Attendees (food and beverages will be served)

19:00-22:00

Casa de Palmas Hotel, 101 N. Main St.

Hosts: Environment for the Americas (home of International Migratory Bird Day) and National Audubon Society

Wednesday, 13 February

Border Buttermilk Reception

18:00-19:00

Convention Center Exhibit Hall A

Hosts: The McAllen Greeters on behalf of the citizens of McAllen

Opening Conference Reception

19:00-22:00

Convention Center Exhibit Hall A

Thursday, 14 February

Poster Session Social

19:00-22:00

Convention Center Concourse

Special Session – The Power of Birds (see details below)

20:30-22:00

Convention Center Room 103C

Friday, 15 February

Optional Trip to Nuevo Progreso, Mexico for dinner (on your own) and shopping

18:00-23:00

If you did not sign up for this on the registration form but would like to go, we'll take additional signups until we fill the buses we have reserved. We'll drive to the border and then walk across a bridge – you will not be driving into Mexico. See <http://www.shop-progreso.com/> for details on the town. We have found nice crafts here from Oaxaca, Jalisco, Guanajuato, and elsewhere in

Mexico. **Be sure to have your passport or government-issued ID (e.g., driver's license) and proof of citizenship (birth certificate). A passport is best.**

Saturday, 16 February

Pre-Banquet Music and Happy Hour (all welcome)*

17:30-19:00

Convention Center Pre-function Foyer and Ballroom

Banquet – additional payment and ticket required*

19:00-22:00

Convention Center Ballroom

We will hold the drawing for the winner of the original IMBD print, announce winners of silent auction items and present the 2008 Partners in Flight Awards.

*There may not be enough time for banquet attendees to take a bus back to their hotel, change, and return again to the Convention Center. We encourage you to dress up a bit for Saturday and stay at the Convention Center or to make other arrangements.

Great Backyard Bird Count Group Photo

The Great Backyard Bird Count (<http://www.birdsource.org/gbbc/>) is set for 15-18 February 2008. To celebrate this event while we're all together in McAllen, we will take a photo of the entire group counting birds on a feeder that will be set up outside the Convention Center. We plan to do this at 13:45 on Saturday, following lunch. We'll make an announcement with the final details at the conference. If you bring your binoculars, we'll make sure you're in the first couple of rows in the photo.

Shuttle Buses

We will be running shuttle buses from the five conference hotels – *Marriott Renaissance Casa de Palmas, Embassy Suites, Holiday Inn Express McAllen (Airport/La Plaza Mall), La Copa, and Wyndham Garden* – to the Convention Center on the following approximate schedule. We will likely be running the buses in loops, so if you miss one another will be along shortly. Buses will pick up and drop off in the front of each hotel and in the front of the Convention Center.

The *Casa de Palmas* and *La Copa* hotels have their own hotel shuttles to take guests to and from the Convention Center. However, realize that their capacities are limited due to shuttle size and needs of other hotel guests. We encourage you to make arrangements somewhat ahead of time for shuttles operated by the hotels.

Wednesday, 13 February 2008

Hotels to Convention Center – Depart Hotels 17:00 – 19:00

Convention Center to Hotels – Depart Convention Center 21:00 – 22:00

Thursday, 14 February 2008

Hotels to Convention Center – Depart Hotels 07:00 – 09:00

Convention Center to Hotels – Depart Convention Center 17:30 – 22:00

Friday, 15 February 2008

Hotels to Convention Center – Depart Hotels 07:30 – 09:30

Convention Center to Hotels – Depart Convention Center 17:30 – 18:30

Special Event – Trip to Mexico (ticket required)

Convention Center to Nuevo Progreso – Depart Convention Center 18:00

Nuevo Progreso to Hotels – Depart Nuevo Progreso 22:00

Saturday, 16 February 2008

Hotels to Convention Center – Depart Hotels 07:30 – 09:30

Convention Center to Hotels – Depart Convention Center 17:30 – 19:00*

Special Event – Banquet (ticket required)

Convention Center to Hotels – Depart Convention Center 21:00 – 22:00

*There may not be enough time for banquet attendees to take a bus back to their hotel, change, and return again to the Convention Center. We encourage you to dress up a bit for Saturday and stay at the Convention Center or to make other arrangements.

Internet Access

There is free wireless internet access throughout the Convention Center.

Abstracts

Abstract Book and Availability

A printed book of abstracts for all conference presentations was made available for purchase during the registration period. Abstracts are now available on the Partners in Flight web site for you to print or search to meet your needs.

Abstract Translators

We greatly appreciate the assistance of the following people for translating one or more abstracts into a second language. We apologize if we have missed anyone.

Rafael Avila-Flores
Oscar Beingolea
Humberto Berlanga
Ashley Colevecchio
Horacio de la Cueva

Nico Dauphiné
David Díaz
Jennie Duberstein
Paul van Els
Kathryn Goodyear

Sonia Hernandez-Divers
Ernesto Ruelas Inzunza
Brad Jacobs
Olaf Jahn
Dennis Jongsomjit
Denis Lepage
Sandra Loor-Vela
Elizabeth Martín
Maria Isabel Moreno

Nadia Navarrete
Adolfo G. Navarro
Bernardo Ortiz Von Halle
Mirella Espinoza Tenorio
Tito Vilella
Carlos Yamashita
Itala Yépez
Bruce E. Young

Speaker Check-in

Please bring your oral presentations for loading onto conference laptops to the room in which you are scheduled to present at least a half-day ahead of your scheduled talk. This will allow time to fix any glitches. Do not wait until the last minute. If something goes wrong, you risk disrupting many other speakers as well as the audience. A USB drive is the medium of choice.

Posters

Poster boards are arranged down the center of the Concourse. Each poster location is numbered so that posters on similar subjects will be located near each other. Posters may be attached with Velcro® or with push pins. Posters can be set up beginning late on Wednesday. Posters must be in place for the poster session social on Thursday evening at 19:00. Please plan to remove your poster on Saturday afternoon. Any posters left in the Convention Center will be discarded.

Special Session – The Power of Birds

Organizers: Tom Will and Nico Dauphiné

Time: Thursday, 14 February, 20:30, Convention Center Room 103C

Description: This event will celebrate birds and their power to illuminate our conception of being, transform consciousness, and reshape the human imagination. Presentations will consist of readings of poems by new and established poets, stories and myths involving birds, short skits and dramatizations, projections of visual art, original musical compositions using birdsong as source material — and a few surprises. We hope that the event will be engaging and fun, will remind us that we need birds as much as they need us, and will inspire new ideas to awaken the connections between humans and the universe.

Vendors

A number of vendors and other exhibitors will be located in Exhibit Hall A. Food for all breaks and provided meals will be served there and plenty of seating will be available. Exhibit Hall A will be open

essentially throughout the conference, although they will be packing up Saturday afternoon. This will make it easy and convenient to visit the various booths.

Raffle of Original IMBD Art

For the first time, you have the opportunity to win the original IMBD 2008 artwork. A minimum donation of \$5 (or 6 tickets for \$25) gives you the chance to take home this beautiful piece of art. Raffle tickets may be purchased at the International Migratory Bird Day booth at the conference, from individuals selling raffle tickets during the conference or online. If you prefer to send a check, please make it out to: IMBD and write *La Tangara* in the memo section. All proceeds will benefit *La Tangara*, the bimonthly publication of the International Working Group of Partners in Flight. Our goal is to raise \$10,000, which will cover the costs of developing the publication and maintaining the website. You need not be present to win.

Silent Auction

A number of excellent items – optics, art, books – have been donated for the Silent Auction. These items will be on display in Exhibit Hall A throughout the conference. Bidding will end just prior to the banquet and winners will be announced there. You need not be present to win.

Morning Birding

We have not arranged for organized morning birding trips. But, we are not starting the morning sessions on Friday and Saturday until 09:30 to allow all conference attendees some extra time to get out birding. We'll also facilitate car pooling and getting birders together in two ways. First, in the registration area we will have sign up sheets for those who have a ride or need a ride so that you can find each other. Second, we will have sign up sheets at the desk of each of the conference hotels for the same purpose.

Conference Products

Needs Assessment

In addition to the conference proceedings, we will also produce a "Partners in Flight Bird Conservation Needs Assessment" from this conference. This assessment will consist of a few high-priority bird conservation needs to be identified in each of the conference sessions. Needs will be classified as those that should be pursued within the next 2 years with current staffing and funding and within the next 3-7 years with additional staffing and funding

This needs assessment will be distributed to all PIF partners so that each one can consider which among the array of needs they can best take on. The assessment will also be examined in more depth by the PIF Implementation Committee, Science Committee, and Council to determine where

emphasis needs to occur. Implementation will then be pursued via funding sources and leadership in the partnership.

The guidelines for the needs assessment and a timeline for production have been distributed to all session chairs and are available on the conference web site.

McAllen Conference Proceedings

Partners in Flight will also publish a proceedings from the conference, and all authors of oral and poster presentations are eligible to have their papers published. The primary purposes of the proceedings are to make all the presentations available to the bird conservation community and to document the content for history. Thus, the editors begin with the hope of being able to accept every paper for publication.

However, that does not mean we will not have standards. All papers will be peer-reviewed by 2-3 experts in the field and by the editors. And per standard practice in scientific publishing, we strongly encourage the authors to have peers of their own choosing review their paper before they submit it. Authors are also welcome to suggest additional reviewers to the editors.

Papers must be submitted in Word 2003, and may be submitted in English, Spanish, Portuguese, or French. We will follow the paper formatting guidelines of *The Condor* (<http://www.cooper.org/pdf/instruauth.pdf>). And while we appreciate that proceedings papers do not always have a classical structure, one way to ensure that your paper is among the few that are rejected is to ignore these guidelines. Please do not try to turn the editors into coauthors. It is the authors' job to do most of the work.

Complete guidance on the proceedings, along with a timeline for production, has been distributed to all authors and is also available on the conference web site. Note that our timeline is very ambitious – we will not let this drag on for years. It will be the responsibility of the authors to meet all deadlines.

Display of Past Partners in Flight Award Winners

The awards program was begun in 1995, and to commemorate our awardees the PIF Awards Committee has painstakingly assembled photos of most of the past award winners. These photos, along with the year and the category of their award, will be in a continuous loop display on the Convention Center Message Boards. There is one of these digital displays in each of the main lobbies. So, as you pass by, stop for a moment to watch and think about all those who have contributed to bird conservation even over the relatively short period of 1995-present. And if you know where some of your mystery people are hiding, please let us know!

Associated Meetings, Workshops, and Training

For details on these events and for contact information, see the conference web site.

Tuesday, 12 February 2008

Bird Education Alliance for Conservation Meeting

Ashley Dayer

08:00-17:00

Casa de Palmas Hotel

Gulf Coast Bird Observatory Site Partners Meeting

Susan Heath

15:00-19:00

McAllen Chamber of Commerce Board Room

Bird Education Working Group Reception

Sue Bonfield, Ashley Dayer

19:00-21:00

Casa de Palmas Hotel

Wednesday, 13 February 2008

Bird Banding Initiatives in the Western Hemisphere: Coordinating Efforts Throughout the Region

Maria Isabel Moreno, Monica Tomosy

08:00-17:00

Boardroom 1, Convention Center

Texas Bird Conservation Alliance

Ted Eubanks

08:00-17:00

Room 102A, Convention Center

Mexican Breeding Bird Survey Workshop

Keith Pardieck

09:00-17:00

Room 101C, Convention Center

Garmin GPS Training

Craig Scofield, Mary Gustafson

09:30-17:00

Boardroom 2, Convention Center

Wednesday, 13 February 2008 (continued)

Ecoregional Landbird Conservation: New Tools for Landbird Planning

Jane Fitzgerald

10:00-12:00

Room 103D, Convention Center

Media Communication for Avian Conservationists – How to Talk to Reporters

Tom Harvey, Melissa Pitkin

10:00-16:00

Room 102B, Convention Center

Bird Conservation Alliance Meeting

Alicia King

13:00-16:00

Room 102C, Convention Center

Avian Interactions with Power Lines Workshop

Rick Loughery

13:00-16:00

Room 103C, Convention Center

Southeastern PIF Steering Committee Meeting

Scott Somershoe

13:00-17:00

Room 103B, Convention Center

Grants Available through the Neotropical Migratory Bird Conservation Act: Your Questions Answered!

Clint Riley, Doug Ryan, Andrea Grosse

13:00-17:00

Room 103D, Convention Center

Demystifying Evaluation of Bird Conservation Education

Ashley Dayer

13:00-17:00

Room 103A, Convention Center

Swallow-tailed Kite Conservation Alliance

Dean Demarest

17:30-19:30

Room 103D, Convention Center

Partners in Flight McAllen Conference Program

Concurrent Sessions – Thursday, 14 February 2008

	101A	101B	101C	102A	102B+C	103A+B	103C	103D	Ballroom C+D
Welcome and Keynote Speakers 08:30-12:30	BALLROOM 08:30 Welcome and Announcements 09:00 Fiona Schmiegelow. <i>Winged Winds of Change: On Being a Boreal Bird.</i> 09:45 Bron Taylor. <i>Science & Spirituality: Making the Connection in the Cause of Conservation.</i> 10:30 Coffee break 11:00 Yossi Leshem. <i>Migrating Birds Know No Boundaries: The Middle East and the Great Rift Valley Test Case.</i> 11:45 Stephen Baillie. <i>From Population Ecology to Policy and Planning: Examples from the United Kingdom.</i>								
12:30-14:00 Buffet Lunch, Exhibit Hall A									
14:00-15:30	Anthropogenic Causes of Bird Mortality	Important Bird Areas and Community-based Conservation	Ecotourism, Community Development, and Bird Conservation	Engagement - This Century's Challenge	Gathering, Organizing, and Accessing Data for Use in Bird Conservation Across the Americas	Farm Bill Programs Provide Applied Bird Conservation on Private Lands	Conservation of Boreal Birds	Avian Conservation In Central America: Ongoing Projects and Future Needs	Building Bridges for Bird Conservation: The Successes and Challenges of Linking Birds and People from the Tundra to the Tropics
15:30-16:00 Coffee Break, Exhibit Hall A									
16:00-17:30	Anthropogenic Causes of Bird Mortality (continued)	Important Bird Areas and Community-based Conservation (continued)	Ecotourism, Community Development, and Bird Conservation (continued)	Engagement - This Century's Challenge (continued)	Gathering, Organizing, and Accessing Data for Use in Bird Conservation Across the Americas (continued)	Farm Bill Programs Provide Applied Bird Conservation on Private Lands (continued)	Conservation of Boreal Birds (continued)	Avian Conservation In Central America: Ongoing Projects and Future Needs (continued)	Building Bridges for Bird Conservation: The Successes and Challenges of Linking Birds and People from the Tundra to the Tropics (continued)
18:00-19:30 Buffet Dinner, Exhibit Hall A									
19:00-22:00	Poster Session Social - Convention Center Concourse								
20:30-22:00	Special Session - Using the Power of Birds to Awaken Consciousness - Room 103C								

Partners in Flight McAllen Conference Program

Concurrent Sessions - Friday, 15 February 2008

	101A	101B	101C	102A	102B+C	103A+B	103C	103D	Ballroom C+D
09:30-10:45	Southern Wings: Engaging States in International Projects	Climate Change and Its Impact on Migratory Birds	Education Through Mist-netting Demonstrations	Effects of Energy Extraction on Birds	The Avian Knowledge Network: A Hemisphere-wide Partnership to Organize, Analyze, and Visualize Bird Observation Data	Birds, People and Politics: Capturing the Power of Birdwatchers	Focal Species Conservation: Lessons from the Non-breeding Period	Implementation of PIF Bird Conservation Plans and State Comprehensive Wildlife Conservation Strategies	Conservation Design: Linking Models to Management
10:45-11:15 Coffee Break, Exhibit Hall A									
11:15-12:30	Southern Wings: Engaging States in International Projects	Climate Change and Its Impact on Migratory Birds	Education Through Mist-netting Demonstrations	Effects of Energy Extraction on Birds	The Avian Knowledge Network: A Hemisphere-wide Partnership to Organize, Analyze, and Visualize Bird Observation Data	Birds, People and Politics: Capturing the Power of Birdwatchers	Focal Species Conservation: Lessons from the Non-breeding Period	Implementation of PIF Bird Conservation Plans and State Comprehensive Wildlife Conservation Strategies	Conservation Design: Linking Models to Management
12:30-14:00 Buffet Lunch, Exhibit Hall A									
14:00-15:30	Bird Conservation and the Wildlife Trade in the Americas	Identifying, Prioritizing and Assessing Important Bird Areas	Bird Conservation Education and Outreach: Examples of Successes and Tools for Creating New Programs	Regional Population Objectives for Landbirds	Birds as Indicators of Ecosystem Integrity	Marsh and Marshbird Conservation	Strengthening Alliances for Grassland Conservation in the Western Hemisphere	<i>Contributed Papers:</i> Waterbird and Shorebird Ecology and Conservation	Conservation Design: Linking Models to Management
15:30-16:00 Coffee Break, Exhibit Hall A									
16:00-17:30	Bird Conservation and the Wildlife Trade in the Americas	Identifying, Prioritizing and Assessing Important Bird Areas	Bird Conservation Education and Outreach: Examples of Successes and Tools for Creating New Programs	Regional Population Objectives for Landbirds	Birds as Indicators of Ecosystem Integrity	Marsh and Marshbird Conservation	Strengthening Alliances for Grassland Conservation in the Western Hemisphere	<i>Contributed Papers:</i> Monitoring Strategies and Mathematical Applications	Conservation Design: Linking Models to Management

Partners in Flight McAllen Conference Program

Concurrent Sessions - Saturday, 16 February 2008

	101A	101B	101C	102A	102B+C	103A+B	103C	103D	Ballroom C+D
09:30-10:45	Birding Trails Connecting to Conservation	Conserving the Rusty Blackbird: More than a Single-Species Issue	<i>Contributed Papers:</i> Monitoring and Conservation	Value of Shade Coffee to Birds	Bridging the Gap Between Science and Management	Ponderosa Pine Restoration: Decision Support, Outreach, and Incentives	Forest Management for Bird Conservation	<i>Contributed Papers:</i> Habitat and Bird Populations	Implementing Improvements in Avian Monitoring for Conservation
10:45-11:15 Coffee Break, Exhibit Hall A									
11:15-12:30	Birding Trails Connecting to Conservation	Conserving the Rusty Blackbird: More than a Single-Species Issue	<i>Contributed Papers:</i> Outreach and Citizen Science	Value of Shade Coffee to Birds	Bridging the Gap Between Science and Management	Ponderosa Pine Restoration: Decision Support, Outreach, and Incentives	Forest Management for Bird Conservation	<i>Contributed Papers:</i> Effects of Habitat Changes and Manipulation on Bird Populations	Implementing Improvements in Avian Monitoring for Conservation
12:30-14:00 Buffet Lunch, Exhibit Hall A									
14:00-15:30	Blue Sky: Opportunities for Advancing Bird Conservation over the Next Ten Years	Wind Power Developments and Bird Populations on Lower Gulf Coast of Texas: Challenges and Opportunities	The Ivory-billed Woodpecker: Tools, Techniques, and Findings in the Search for Evidence	Bird Conservation Strategies in the Neotropics: Examples of Model Actions for Birds	Bridging the Gap Between Science and Management	Education as a Strategy for Creating a Bird Conservation-Oriented Society	Species Assessment for Conservation Risk	Opportunities and Challenges to Bird Conservation on Private Working Lands	Implementing Improvements in Avian Monitoring for Conservation
15:30-16:00 Coffee Break, Exhibit Hall A									
16:00-17:30	Blue Sky: Opportunities for Advancing Bird Conservation over the Next Ten Years	Wind Power Developments and Bird Populations on Lower Gulf Coast of Texas: Challenges and Opportunities	The Ivory-billed Woodpecker: Tools, Techniques, and Findings in the Search for Evidence	Bird Conservation Strategies in the Neotropics: Examples of Model Actions for Birds	Bridging the Gap Between Science and Management	Education as a Strategy for Creating a Bird Conservation-Oriented Society	Species Assessment for Conservation Risk	Opportunities and Challenges to Bird Conservation on Private Working Lands	Implementing Improvements in Avian Monitoring for Conservation

THURSDAY – 101A

Anthropogenic Causes of Bird Mortality

Session Chairs: Michael Green (michael_green@fws.gov), Al Manville II (Albert_Manville@fws.gov), Mila Plavsic (mila_plavsic@fws.gov)

This session will provide an overview of the challenges faced by birds from commercial wind energy development, electrical distribution and transmission lines, communication towers, fishing gear and operations, cats, buildings, and lighting. We will present the latest research in these areas, provide estimates of the magnitudes of those mortalities, consider indirect effects such as habitat fragmentation and disturbance, project the future cumulative impacts of various industries and resulting effects on birds, outline regulatory issues, and explore emerging issues, technologies, and solutions to these challenges. An open discussion session will follow with audience participation encouraged.

- 14:00 Turbines, Towers, Power Lines and Building Windows: Current Developments to Avoid and Minimize Impacts to Migratory Birds and Other Trust Resources. **Albert M. Manville, II^o**.
- 14:15 Bird Mortality From Longline and Gillnet Fishing: Can We Reduce Bycatch to Minimal Levels? **Doug Forsell^o**.
- 14:30 Protecting Birds While Powering America: An Overview of Efforts by the Electric Utility Industry to Reduce Bird Mortality and Improve Power Reliability. **Sherry Liguori^o and Jim Burruss**.
- 14:45 Avian Mortality at Glass. **Daniel Klem, Jr.^o**
- 15:00 Avian Collisions with Communication Towers and Opportunities to Significantly Reduce the Risk. **Joelle Gehring^o and Albert M. Manville, II**.
- 15:15 Impacts of Domestic Cats on Migratory Birds in North America. **Nico Dauphiné***.
- 15:30 **COFFEE BREAK**
- 16:00 Bird Mortality at U.S. Wind Projects and Comparison to Other Anthropogenic Sources. **Wallace P. Erickson^o, G. Johnson, D. Young, V. Poulton, and K. Bay**.
- 16:15 Effects on Birds from Energy Development in Grasslands and Shrublands: Displacement, Fragmentation, and Direct Mortality. **Rob Manes^o**.
- 16:30 Wind Power and Birds: Lessons Learned from the Altamont Pass Wind Resource Area About Siting, Mitigation and the Need for Long-Term Conservation and Resource Planning. **Julia Levin^o**.
- 16:45 Wind Farm Fatalities for Raptors and Other Diurnal Soaring Birds During Migration Season in Mexico. **Rafael Villegas Patraca^o, C. E. Perez, and J. E. Martinez**.
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

Important Bird Areas and Community-based Conservation**Session Chairs:** John Cecil (jcecil@audubon.org)

This session will focus on how local communities have and can be effectively engaged in long-term conservation activities at Important Bird Areas. Discussions and presentations will include details of strategies and recounts of experiences from throughout the hemisphere, offering lessons learned and an understanding of the benefits and advantages to local involvement in conservation at these IBAs. The discussion session will focus on opportunities and challenges for engaging communities in site-based (IBA) conservation.

- 14:00 Audubon's International Alliances Inter-organizational Learning Exchange Program and Engaging Communities in Conservation Action. **Craig Lee^o**.
- 14:15 Where a Park Won't Do: IBA Site Conservation in South America through Local Communities. **Bennett Hennessey^o**.
- 14:30 Working with Local People: Experiences and Lessons Learned from Two IBAs from Paraguay. **José L. Cartes^o, Alberto Yanosky, and E. Cabrera**.
- 14:45 Conformación de Grupos de Apoyo Local (GAL) para la Conservación de Tres Áreas Importantes para la Conservación de las Aves (IBAs) en Ecuador. **Eugenia Endara-Osejo and Sandra Loo-Vela^o**.
- 15:00 From Georgia to Pernambuco (Brazil), Shared Species and Experiences Leading to Site Conservation. **Mary A. Elfner^o and Kleber de Burgos**.
- 15:15 Prioritizing and Monitoring Progress in Implementation of Conservation Plans at Important Bird Areas. **Brian Byrnes^o**.
- 15:30 **COFFEE BREAK**
- 16:00 Lessons Learned from 15 years of Community-based Conservation Projects in Mexico. **Rosa Maria Vidal^o**.
- 16:15 IBA Adoption in the U.S. **John Cecil^o, Connie Sanchez, and Jim Sheehan**.
- 16:30 Community-based Conservation of IBAs in Canada. **Mara Kerry^o and A. Couturier**.
- 16:45 **DISCUSSION**
- 17:30 **DINNER**

THURSDAY – 101C

Ecotourism, Community Development, and Bird Conservation

Session Chairs: Arvind Panjabi (arvind.panjabi@rmbo.org), Eduardo Santana (esantana@cucsur.udg.mx)

While it is a widely held belief that ecotourism is an integral part of the solution to the world's biodiversity crisis, few cases have demonstrated the effectiveness of such conservation initiatives. As a result, there is little public recognition of successful projects and a relatively poor understanding of what makes such projects succeed or fail. The goal of this session is to explore the links between rural communities, economic development and the conservation of biodiversity by highlighting accomplishments, big and small, that have been made in conserving birds and their habitats through developing ecotourism and involving local communities in such efforts, particularly in Latin America. A broader appreciation for how this approach can be successful could increase the support and resources available for such projects.

- 14:00 Ecotourism, Community Development, and Bird Conservation: How the Three Concepts Work Together in McAllen. **Nancy Millar**^o.
- 14:15 El Palmito, Sinaloa, México: An Example of Bird Conservation through Local Participation. **Xico Vega**^o, **U. Mejia**, and **Humberto Berlanga**.
- 14:30 Linking Bird Conservation with Sustainable Development: The Jocotoco Foundation Experience. **Mercedes Rivadeneira**^o and **Bob Ridgely**.
- 14:45 Ecotourism and Conservation of Old Growth Forests and Endemic Birds of Sierra Madre Occidental. **Miguel Angel Cruz-Nieto**^o, and **S. G. Ortíz-Machiel**.
- 15:00 Desarrollando las Capacidades Comunitarias en Observacion de Sves: Caso Veracruz. **Eliza Peresbarbosa Rojas**^o.
- 15:15 The Effect of Local Birding Guides on Conservation: The Yucatan Experience. **Eduardo Galicia**^o.
- 15:30 **COFFEE BREAK**
- 16:00 Ecotourism as a Conservation Tool: Bird Guide Training Workshops in Northwest Mexico. **Jennie N. Duberstein**^o.
- 16:15 Connecting Wildlife with People via Ecosystem Management and Ecotourism Development at the Montezuma Wetland Complex. **Tom Jasikoff**^o.
- 16:30 Using Species Management and Outreach to Change Community Perceptions. **Randy Hill**^o.
- 16:45 Linking Bird Tourism to Conservation in the Tropics. **Brian Krohnke**^o, **Paul Greenfield**, **Ian Campbell**.
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

Engagement - This Century's Challenge

Session Chairs: Ted Eubanks (eubanks@io.com)

The purpose of this session is to discuss ways in which conservationists are beginning to develop 21st Century approaches to both the problems and the opportunities of recreational conservation. Through birding and wildlife trails, internet-based outreach such as CLOs Project Urban Bird, urban park initiatives such as Houston's Birds and Bayous, and minority engagement such as Quinta Mazatlan in McAllen, there are efforts being made around the country to reach beyond the practices and traditions of the past to engage new constituencies in conservation. The session will include a series of talks devoted to specific areas of interest and concerns in recreational conservation and engagement.

- 14:00 Engagement of Texas Private Landowners in Bird Conservation. **J. Brent Ortego**^o.
- 14:30 Engagement Through Recreation. **Ken Cordell**^o.
- 15:00 Houston Birds and Bayous. **Houston Parks and Recreation Department**^o.
- 15:30 **COFFEE BREAK**
- 16:00 Interpretation Engages People, Forges Relationships with Places. **Jon Kohl**^o.
- 16:30 Wetlands and Wildlife National Scenic Byway. **Chris Collier**^o and **Janet Crane**.
- 17:00 Bird Conservation – Opportunities Through Open-Sourced Engagement. **Ted Lee Eubanks**^o.
- 17:15 **DISCUSSION**
- 17:30 **DINNER**

THURSDAY – 102B+C

Gathering, Organizing, and Accessing Data for Use in Bird Conservation Across the Americas

Session Chairs: Elizabeth Martin (elizabeth_martin@usgs.gov), Bruce Peterjohn (bpeterjohn@usgs.gov), Steve Kelling (stk2@cornell.edu)

A recent report from the U.S. North American Bird Conservation Initiative (NABCI) Monitoring Subcommittee identified the development of a comprehensive plan for integrating and managing bird population monitoring data as an integral component for improving monitoring activities across North America, a recommendation applicable to the entire Western Hemisphere. Developing a comprehensive plan for managing monitoring data presents a number of significant challenges related to data quality, accessibility, archiving strategies, and new methodologies for synthesis, exploration, and analysis of these data. While recommended action items provide a framework for developing a comprehensive plan for delivery and use of monitoring data, an overview of current initiatives, existing bird monitoring data needs, and technical expertise will identify potential common goals, partnerships and specific activities necessary to move forward towards developing this comprehensive plan.

- 14:00 Developing a Comprehensive Plan for Integrating and Managing Bird Population Monitoring Data: Challenges and Opportunities. **Bruce Peterjohn^o, Elizabeth Martin, and Steve K. Kelling.**
- 14:15 Data for Use in Bird Conservation: Needs and Perspectives of an End User. **Neal D. Niemuth^o, Michael E. Estey, and Ronald E. Reynolds.**
- 14:30 The Utility and Application of Conservation Databases in Linking Site-scale Activities with National Bird Conservation Plans: A Joint Venture Example. **A. Blaine Elliott^o, Bill W. Uihlein, John M. Tirpak, and Helen J. H. Whiffen.**
- 14:45 Developing Biological Monitoring Programs and Data Management Tools to Address Information Needs at Multiple Spatial Scales. **Hal Laskowski^o, Melinda Knutson, Todd Sutherland, and Socheata Lor.**
- 15:00 Managing Bird Monitoring Data to Meet Research and Conservation Goals - Some PIF Point Count Database Examples. **Mark Wimer^o.**
- 15:15 The Politics of Data Sharing: How to Address Some of the Concerns Related to Publishing Bird Biodiversity Data in Distributed Networks. **Denis Lepage^o.**
- 15:30 **COFFEE BREAK**
- 16:00 The Mexican Bird Knowledge Network: AVESMX and AKN. **Humberto Berlanga^o, Vicente Rodríguez, and Adan Oliveras.**
- 16:15 Internet Delivery of NatureServe's Comprehensive Bird Status, Distribution, and Management Data. **Bruce E. Young^o.**
- 16:30 Mobilizing Bird Knowledge for Conservation through a Range of Linked Web Applications. **Martin Sneary^o, Rob Clay, and I. Fisher.**
- 16:45 eBird—An Integrated Bird Monitoring Network for Birders. **Christopher L. Wood, Brian L. Sullivan, Marshal J. Iliff^o, and Steve T. Kelling.**
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

^o = Presenter; * = Student Presenter

Farm Bill Programs Provide Applied Bird Conservation on Private Lands

Session Chairs: Wendell Gilgert (Wendell.Gilgert@por.usda.gov), Geoff Geupel (ggeupel@prbo.org), Catherine Hickey (chickey@prbo.org)

This session intends to describe and discuss how the spectrum of Farm Bill Programs: Conservation Reserve Program (CRP), Environmental Quality Incentive Program (EQIP), Wetlands Reserve Program (WRP), Grasslands Reserve Program (GRP) and the Wildlife Habitat Incentive Program (WHIP) have enabled conservation of neotropical, game, shore, wading, and resident song birds, as well as waterfowl on private (working) lands in the United States. Examples, representing most regions of the United States, including Hawaii, will be represented. The discussion period near the end of this session will encourage additional dialogue and innovative ideas relative to increasing Farm Bill bird conservation and management on private lands.

- 14:00 Farm Bill Programs Aid in the Recovery of Hawaii's Endangered Birds. **Terrell A. Erickson^o and Kimberly J. Uyehara.**
- 14:15 Monitoring Bird Response to Easement, Restoration, Enhancement, and Incentive Programs in California's Central Valley. **Ryan DiGaudio^o, Catherine Hickey, and Geoffrey R. Geupel.**
- 14:30 Greater Sage-Grouse Response to WHIP-funded Sagebrush Treatments in South-Central Utah. **Karen L. Fullen^o, Renee Chi, and David Dahlgren.**
- 14:45 Early Responses to Grazing Management Changes and Restoration by a Riparian Breeding Bird Community on Lava Lake Ranch in South-central Idaho. **Jay D. Carlisle^o and T. O. O'Sullivan.**
- 15:00 Focused Bird Conservation Delivery Through Farm Bill Programs: Partnerships and Programmatic Approaches. **Dave Smith^o, J. Maestas, and A. Lipsky.**
- 15:15 Utilizing Farm Bill Programs for Bird Conservation in Colorado. **Seth Gallagher^o, M. Reddy, and Tammy L. VerCauteren.**
- 15:30 **COFFEE BREAK**
- 16:00 Estimated Accomplishments of the Conservation Reserve Program and the Wetlands Reserve Program Toward Conservation Goals of Priority Mixed-grass Prairie Birds. **Megan M. McLachlan^o, A. Bishop, and Michael F. Carter.**
- 16:15 The Influence of the Conservation Reserve Program on Henslow's Sparrow Populations Within the United States. **James R. Herkert^o.**
- 16:30 Enhancing Habitat Value of CRP Pine Plantations for Pine-grassland Birds in the Southeast. **L. Wes Burger, Jr.^o**
- 16:45 Northern Forest Woodcock Initiative: Conservation of Shrubland-Dependent Species of Greatest Conservation Need in the Northeastern U.S. **Scot J. Williamson^o, G. Donovan, and D. G. McAuley.**
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

THURSDAY – 103C

Conservation of Boreal Birds

Session Chairs: Jeff Wells (jeffwells@borealbirds.org), Matthew Medler (mattmedler@borealbirds.org)

The Boreal Forest Region is North America's Bird Nursery, supporting billions of landbirds and nearly 40% of the continent's nesting waterfowl. However, less than 10% of Canada's boreal forest is currently protected, while more than 30% of the area has been allocated for timber, mining, and oil and gas activities. In response, a surprising coalition of industry, environmental organizations, and First Nations has developed North America's most ambitious conservation initiative—the Boreal Forest Conservation Framework. The plan calls for protection of at least 50% of the Canadian boreal and sustainable development in the remaining areas. This session will focus on the global importance of the continent's boreal forest for bird populations, new analyses of threats facing the region, and innovative conservation efforts, drawing on both Aboriginal and economic ideas, to protect the boreal and its birds.

- 14:00 New Ways of Assessing the Conservation Values of Ecosystems: the Boreal in Global Context. **Jeff Wells^o, Matt Carlson, and Matthew Medler.**
- 14:15 The Future of North America's Bird Nursery: Projected Threats to Boreal Birds. **Gary R. Stewart^o, Peter Lee, and Jeff Wells.**
- 14:30 Assessing the Future Wildlife Impacts of Conservation and Development in the Mackenzie Watershed. **Matt Carlson^o, Erin M. Bayne, and B. Stelfox.**
- 14:45 The World's Most Ambitious Bird Conservation Plan: the Boreal Forest Conservation Framework. **Caroline Schultz^o and Jeff Wells.**
- 15:00 The Role of First Nations in Boreal Bird Conservation. **J. P. Gladu^o.**
- 15:15 Let's Get Real: Bird Conservation Through Market-based Influence. **Ginger Cassady^o.**
- 15:30 **COFFEE BREAK**
- 16:00 Examining the Economic Impact of Boreal Birds in the United States. **Matthew Medler^o and Jeff V. Wells.**
- 16:15 Using Migration Monitoring to Detect Changes in Boreal Bird Populations. **Tara L. Crewe^o.**
- 16:30 Predicting Breeding Waterfowl Population Distribution to Direct Conservation Activities in the Western Boreal Forest. **Stuart Slattery, S. Smyth, J. Devries, D. Howerter, L. Armstrong, G. Mack, K. Smith, and E. Butterworth^o.**
- 16:45 **DISCUSSION**
- 17:30 **DINNER**

^o = Presenter; * = Student Presenter

Avian Conservation In Central America: Ongoing Projects and Future Needs

Session Chairs: Jose M. Zolotoff-Pallais (zolotoff@ibw.com.ni), Carol Beidleman (Carol_Beidleman@partner.nps.gov)

- 14:00 The Veracruz River of Raptors Project: Threats, Opportunities, and Long-Term Conservation Strategies. **Ernesto Ruelas Inzunza^o, L. J. Goodrich, E. Martinez Leyva, E. Peresbarbosa Rojas, R. R. Mesa, K. L. Scheuermann, S. L. Ortiz, Y. C. Carrasco, N. Ferriz, R. Straub, M. M. Pérez, J. Barrios, J. Smith, and S. W. Hoffman.**
- 14:15 Conservation Prioritization in Guatemala Through the Identification of IBAS. **Knut Eisermann^o and C. Avendaño.**
- 14:30 Birds of Complex of Lake Güija, El Salvador and Guatemala. **Néstor Herrera^o, L. Pineda, I. R. Portillo, and G. García.**
- 14:45 The Important Bird Area (IBA) Network in El Salvador, and a Proposal for In-situ Conservation into the Future. **Oliver Komar^o.**
- 15:00 Ducción Ambiental en Escuelas Cercanas a Las Fincas de Café Certificadas con El Sello Rainforest Alliance. **Wilfredo Rodriguez^o.**
- 15:15 Important Bird Areas of Nicaragua. Preliminary Selection. **José M. Zolotoff-Pallais^o, Salvadora Morales, M. Torres, and Mariamar Gutiérrez.**
- 15:30 **COFFEE BREAK**
- 16:00 A Summary of the First Four Years of the Monitoreo de Sobrevivencia Invernal (MoSI) Program. **Salvadora Morales^o, James F. Saracco, David F. DeSante, and Peter Pyle.**
- 16:15 Avian Population Behavior in the Cloud Forest of Natural Reserve Volcan Mombacho: Five Years of a Monitoring Project. **Mariamar Gutiérrez^o and José M. Zolotoff-Pallais.**
- 16:30 Bird Watching in Costa Rica: Economic and Development Implications. **Pablo Elizondo^o.**
- 16:45 Turning the Great Green Macaw Conservation Plan into an Outreach Program: Creative Tools for the Establishment of a Network of Monitoring Children in Nicaragua and Costa Rica. **Olivier Chassot^o, Guisselle Monge Arias, Antonio Ruiz Meléndez, and Teresa Mariscal Pueyo.**
- 17:00 Panama Rainforest Discovery Center at Pipeline Road: Ecotourism, Conservation, Education and Science. **Beatriz Schmitt^o.**
- 17:15 Park Flight Migratory Bird Program: Conserving Migratory Birds through International Partnerships. **Carol Beidleman*.**
- 17:30 **DINNER**

THURSDAY – BALLROOM C+D

Building Bridges for Bird Conservation: The Successes and Challenges of Linking Birds and People from the Tundra to the Tropics

Session Chairs: Ian Davidson (ian.davidson@birdlife.org.ec), Craig Lee (craiglee@audubon.org), Doug Ryan (Douglas_Ryan@fws.gov), Alberto Yanosky (ayanosky@guyra.org.py), Rosa Maria Vidal (rosavidal@pronatura-chiapas.org)

Migratory birds are a shared resource and their conservation depends on international cooperation. Our knowledge of the links made by migratory birds has advanced significantly in recent years, such that individual birds can now be followed in real-time, as they link sites throughout the Americas. The challenge is to use these avian links to build bridges between the different human communities, for the benefit of conservation of this shared migratory resource and resident species alike. Presentations will illustrate how international cooperation can advance the conservation of migratory and resident species alike. A round table discussion will follow on how we can best learn from and build upon these experiences to strengthen the Partners in Flight initiative.

- 14:00 Why link? **Ian Davidson**^o.
- 14:15 Linking Joint Venture Initiatives in the Southern Cone and the Prairie Pothole Regions. **Anibal Parera**^o.
- 14:30 Western Sandpipers Linking Pacific West Coast Wetlands - Copper River International Migratory Bird Initiative. **Rosabel Miro**^o.
- 14:45 From Colombia to the Adirondacks - Cerulean Warbler Conservation in the Americas. **Sara Ines Lara**^o.
- 15:00 Linking Efforts to Conserve Kirtlands Warbler in the Bahamas and the United States. **Lynn Gape**^o.
- 15:15 Multinational Initiative to Preserve the Golden-cheeked Warbler and Its Habitat in the Neotropics. **Claudia Macías and Rosa Maria Vidal**^o.
- 15:30 **COFFEE BREAK**
- 16:00 Marismas Nacionales: Linking Communities for Bird Conservation. **Carlos Villar, Xico Vega**^o, and **D. Paul**.
- 16:15 Building Linkages in Central America for the Conservation of Neotropical Migrants. **Jose M. Zolotoff-Pallais**^o.
- 16:30 **DISCUSSION**
- 17:30 **DINNER**

THURSDAY EVENING – CONVENTION CENTER CONCOURSE

Poster Session

1. Phylogenetic Relationships and Population Genetics of the Worthen's Sparrow (*Spizella wortheni*) (Passeriformes; Emberizidae). **Ricardo Canales-del Castillo***, **Jose Ignacio González Rojas**, **Susana Favela Lara**, and **John Klicka**.
2. An Assessment of PIF Population Estimates for Forest Birds in Northern Maine. **Randy Dettmers°**, **Mitch A. Hartley**, and **Tom P. Hodgman**.
3. Trends of Common Species in Central Valley of Oaxaca State, Mexico. **Manuel Grosselet°**, **Rosa O. González Robles**, and **Georgita Ruiz**.
4. 16 Years of Riparian Bird Population Monitoring, 1992-2005. **Russell E. Norvell***, **Jimmie R. Parrish**, **Frank P. Howe**, **Hilary White**, and **Dan Roberts**.
5. Designing a Regional Northern Goshawk Monitoring Program based on a National Protocol. **Robert C. Skorkowsky°**, **Jeffrey L. Beck**, and **Gregory D. Hayward**.
6. Decline of the Bewick's Wren (*Thryomanes bewickii*) in Arkansas. **Sarah Grace Thompson°** and **James C. Bednarz**.
7. Observations of Natal Dispersal for the Endangered Black-capped Vireo. **David A. Cimprich°**.
8. Observación de Actividad de Cacería Nocturna de Falco Peregrinus en la Ciudad de Guatemala. **Daniel Tenez°**.
9. Effects of RadioTransmitters on the Behavior of Red-headed Woodpeckers. **Mark A. Vukovich°** and **John C. Kilgo**.
10. Reproductive Success and a New Breeding Site for Worthen's Sparrow (*Spizella wortheni*), in Nuevo León, México. **Ricardo Canales-del Castillo°**, **Hugo Elizondo-Alejo**, **Jose Ignacio González-Rojas**, and **Irene Ruvalcaba-Ortega**.
11. Reproductive Success and Prey Delivery of the Burrowing Owl, in Short-grasslands of Galeana, Nuevo León, México. **Gabriel Ruíz-Aymá**, **Jose Ignacio González-Rojas°**, and **Irene Ruvalcaba-Ortega**.
12. Boreal Songbird Nest Predators Caught on Tape! **Jeffrey R. Ball***, **Erin M. Bayne**, and **Craig M. Machtans**.
13. Video Identification of Predators at Swainson's Warbler Nests in Eastern Arkansas. **Thomas J. Benson***, **J. D. Brown**, and **James C. Bednarz**.
14. Assessing Bird-aircraft Strike Hazard (BASH) Risk Associated with Breeding and Migrating Osprey. **Brian S. Dorr°**, **B. E. Washburn**, and **T. J. Olexa**.
15. Songbirds as Indicators of Environmental Mercury Loads in the Northeast. **Melissa Duron°**, **David Evers**, **D. Braun**, **M. Brown**, **C. Driscoll**, **R. Hames**, **C. Lee**, **J. Loukmas**, **K. P. McFarland**, **C. C. Rimmer**, **A. Sauer**, **N. Schoch**, and **R. Taylor**.
16. The Impacts of Feral and Free-Roaming Cats on Migratory Birds. **Grant Ellis°**.
17. Assessment of Methylmercury Contamination and Effects in Songbirds on the North Fork of the Holston River (NFHR), Virginia. **Sarah Folsom°**, **David Evers**, **J. Schmerfeld**, **G. Heffinger**, **O. Lane**, **J. Diener**, **S. Edmonds**, and **T. Martz**.
18. Avian Response to Old World Bluestem *Bothriochloa ischaemum* Monocultures in Mixed Grass Prairie. **Andrew D. George***, **Timothy J. O'Connell**, **Karen Hickman**, and **D. M. Leslie, Jr.**

THURSDAY EVENING – CONVENTION CENTER CONCOURSE

Poster Session (continued)

19. Road Casualties of Vertebrates on 1.2 kms of a Highway in Southern Oaxaca, Mexico. **Manuel Grosselet^o, Alejandro Pigeon, and Bernardino Villa-Bonilla.**
20. Migration to the City: Effects of Urbanization on Neotropical Migrant Bird Communities. **Ian MacGregor-Fors*, L. Morales-Pérez, and Jorge E. Schondube.**
21. Monitoring Potential Off-highway Vehicle Impacts on Breeding and Migrant Songbirds of Sonoran Desert Fabaceous Woodland Habitats. **Chris L. McCreedy^o and James Weigand.**
22. Patterns of Housing Growth in the Neighborhood of IBAs. **Anna M. Pidgeon^o and Volker C. Radeloff.**
23. Monitoring the Effect of Coastal Development on Avian Migration Stopover Habitat in Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico. **Angeles A. Raymundo^o and David A. Buehler.**
24. Impacts of Recreation and the Benefits of Restoration Activities to Western Snowy Plover Along the Oregon Coast. **Jesse Schwartz^o, Shane Latimer, Paul Whitney, and Troy Rhahmig.**
25. Conservation Meets the Cat Lady: Protecting Bird Species of Continental Importance in Our Own Backyards. **Nico Dauphiné* and Robert J. Cooper.**
26. Distributions of Wintering Neotropical-Nearctic Migrants in Western Amazonia. **Nico Dauphiné^o, Juan Diaz Alvan, Robert J. Cooper, and Daniel M. Brooks.**
27. Characterizing Northern Songbird Migration. **Wendy E. Easton^o, V. Lambie, and J. Janatunen.**
28. Project Prairie Birds: Species Assessment for Wintering Grassland Birds on Texas Coastal Prairies. **Susan A. Heath^o and Clifford E. Shackelford.**
29. The Status of Wintering Golden-cheeked Warblers in Nicaragua. **Edgar Herrera, David I. King^o, Sandra Hernandez, Carol Lively, David Mehlman, Sandra Mendoza, John Rappole, and Dana Roth.**
30. Ecology and Management of Open-habitat Birds Wintering in Central and Eastern Tennessee. **Daniel M. Hinnebusch*, David A. Buehler, and Jim J. Giocomo.**
31. Nearctic-Neotropical Migratory Shorebird Exposure to Cholinesterase-inhibiting Pesticides on the Non-breeding Grounds. **Khara M. Strum*, Brett K. Sandercock, Michael J. Hooper, Kevin A. Johnson, Richard B. Lanctot, and Maria Elena Zaccagnini.**
32. Do Burrowing Owl (*Athene cunicularia*) and Short-eared Owl (*Asio flammeus*) Share Prey during Winter in West Central Mexico? **Héctor E. Valdez-Gómez^o, Geoffrey L. Holroyd, Helen E. Trefry, and Armando J. Contreras-Balderas.**
33. Willow Flycatcher (*Empidonax traillii*) Wintering Habitat in Mexico, Central America and Ecuador. **Mary J. Whitfield^o and Justin G. Schuetz.**
34. Dynamics of Passerine Migration: Insights from a Banding Station in Coastal Veracruz, Mexico. **Eduardo Martinez Leyva^o, E. Peresbarbosa Rojas, O. Cruz Carretero, J. Barr, I. Chávez Domínguez, G. Ramón Lara, R. Rodríguez Meza, N. Ferriz Domínguez, and E. Ruelas Inzunza.**
35. How the Spatial Filtering Process Is Accomplished to Evaluate Nonbreeding Range of Rusty Blackbird. **Paul B. Hamel^o and Esra Ozdenerol.**
36. Mapping Data-specific Avian Distributions Utilizing Cartographic Point Aggregating Generalization Operators in a Multi-Scale Framework. **M. Thomas Auer*.**

THURSDAY EVENING – McALLEN CENTER CONCOURSE

Poster Session (continued)

37. Does Detection Heterogeneity Influence Landscape-scale Patterns Inferred from Point Count Data? **Matthew A. Etterson^o, Gerald W. Niemi, and N. P. Danz.**
38. Online GAP Data Explorer Tool: An Opensource GIS Decision Support Tool for Gap Analysis Data. **Steve G. Williams^o and James B. White.**
39. A North American Breeding Bird Atlas? **Mark Wimer^o, B. Peterjohn, N. Griffin, A. Ott, A. Sussman, and J. Hopkins.**
40. Estudio Preliminar de la Avifauna de la Isla del Cisne. **Francisco Aceituno^o.**
41. Small-scale Response in an Avian Community to a Large-scale Thinning Project in the Southwest. **Karen Bagne^o and Deborah Finch.**
42. Scale Effects on Occurrence and Relative Abundance of Forest Songbirds in Eastern Oklahoma. **Vince S. Cavalieri*, Timothy J. O'Connell, and D. M. Leslie, Jr.**
43. Partners In Flight Priority Birds Associated with a Recovering Population of Red-cockaded Woodpeckers in the Ouachita National Forest. **Joseph C. Neal^o.**
44. Avifauna de Zacapoaxtla, Estado de Puebla, México. **Bernardino Villa-Bonilla^o, O. R. Rojas-Soto, A. G. Colodner-Chamudis, and C. Tejeda-Cruz.**
45. Developing Riparian Bird Habitat Association Models and Management Guidelines. **Hillary M. White*, J. A. Bissonette, and Frank P. Howe.**
46. Predicting the Occurrence of Brown-headed Cowbirds in Northeastern Alabama. **Carrie B. Johnson*, Alan T. Hitch, and James B. Grand.**
47. Experimental Cessation of Cowbird Management at Fort Hood Military Reservation, Texas/El Paro experimental de la Eliminación de *Molothrus ater* en la Reservación Militar de Fort Hood en Tejas. **Richard Kostecke^o, David A. Cimprich, and S. Summers.**
48. A Habitat Model Predicting Cerulean Warbler (*Dendroica cerulea*) Distribution in Central America. **Tiffany A. Beachy*, Melinda J. Welton, and David A. Buehler.**
49. Effective Detection Distances for Cerulean Warbler in Bottomland Hardwood Forest. **Paul B. Hamel^o, M. J. Welton, C. G. Smith, III, and R. P. Ford.**
50. Migration Stopover Habitat for the Cerulean Warbler in Northern Central America. **Melinda J. Welton^o, D. L. Anderson, G. J. Colorado, and T. A. Beachy.**
51. Priorities for Management as Determined by the Swallow-tailed Kite Conservation Alliance. **Swallow-tailed Kite Conservation Alliance c/o Gina Zimmerman^o.**
52. Priorities for Outreach as Determined by the Swallow-tailed Kite Conservation Alliance. **Swallow-tailed Kite Conservation Alliance c/o Gina Zimmerman^o.**
53. Priorities for Research and Monitoring as Determined by the Swallow-tailed Kite Conservation Alliance. **Swallow-tailed Kite Conservation Alliance c/o Gina Zimmerman^o.**
54. Swallow-tailed Kite Conservation Alliance – A Partnership to Advance Conservation of a Vulnerable Species. **Swallow-tailed Kite Conservation Alliance c/o Gina Zimmerman^o.**
55. Fifteen Years of Bird Identification Training Workshops and Techniques in the Southeast. **Fred J. Alsop, III^o.**

THURSDAY EVENING – McALLEN CENTER CONCOURSE

Poster Session (continued)

56. The Caribbean Endemic Bird Festival: An Effective Outreach Tool for the Conservation of Birds in the Region. **Sheylda N. Díaz-Méndez**^o.
57. Georgia's Annual Youth Birding Competition: Building Young Birders and Conservationists. **Timothy Keyes**^o.
58. Connecting Bird Conservation Across the Curriculum. **Marc LeFebre**^o.
59. Measuring Successes and Needs for International Migratory Bird Day Festivals. **Emily Molter**^o and **Sue Bonfield**.
60. A Western Hemisphere Bird Banding Network for Bird Conservation Beyond Political Boundaries. **Maria Isabel Moreno**^o, **Leslie Howes**, **Humberto Berlanga**, **Ann Sutton**, **Monica Tomosy**, **P. Valenzuela**, **R. Lacerda**, **Anthony Levesque**, **Paul Salaman**, and **C. John Ralph**.
61. The Painted Bunting Observer Team: Engaging Citizens to Collect Data to Answer Research Objectives. **James A. Rotenberg**^o, **Laurel M. Barnhill**, and **J. Gerwin**.
62. American and Mexican University Workshop Focuses on Avian Conservation. **Jill M. Russell**^o, **David E. Russell**, and **J. Rafael Herrera**.
63. Here, There and Everywhere. **Mira Tweti**^o.
64. Montana Birders Become Global Warming Activists: How and Why. **Amy Cilimburg**^o and **Janet Ellis**.
65. The Effect of Climate Change on Bermuda's Breeding Seabirds. Measures to Assist Future Breeding Success. **Andrew Dobson**^o and **Jeremy Madeiros**.
66. Making Connections for Conservation: Restoring the Coastal Dune Ecosystem of the Cordova Spit. **Glenn Bartley**^{*}.
67. Developing a Management Conservation Strategy for the Golden-Winged Warbler in the Cumberland Mountains of Tennessee—Preliminary Results. **Kelly Caruso**^{*} and **David A. Buehler**.
68. Is Conservation of Birds in Trinidad and Tobago Necessary? **Lester W. Doodnath**^{*}.
69. Ecology and Conservation of Birds in Peru's High Andean Peatlands: An Integrated Field and Niche Modeling Approach. **Richard E. Gibbons**^{*}.
70. Integrating Grassland and Shrub Bird Conservation with the Northern Bobwhite Conservation Initiative for the Central Hardwoods Bird Conservation Region. **Jim J. Giocomo**^o, **David A. Buehler**, and **Jane A. Fitzgerald**.
71. Tricolored Blackbirds: Species Status and Conservation Activities. **Michael Green**^o.
72. Opportunities for Research and Conservation of Migratory Birds on Private Lands in Eastern Bolivia. **Alex E. Jahn**^{*}, **D. J. Levey**, and **A. M. Mamani**.
73. Audubon Texas Private Land Initiatives for Bird Conservation. **Andrew C. Kasner**^o.
74. Woodland Restoration on the Sumter National Forest: Implications for Declining Bird Species. **Jeff M. Magniez**^o.
75. The Katy Prairie Conservancy: Preserving Habitat West of Houston. **Wesley Newman**, **Jaime Gonzalez**, and **Robert Honig**^o.
76. The Conservation Value of Urban Riparian Areas for Landbirds During Spring Migration: Land Cover, Scale, and Vegetation Effects. **Derric Pennington**^{*} and **R. B. Blair**.

THURSDAY EVENING – McALLEN CENTER CONCOURSE

Poster Session (continued)

77. Conservation of Endemic Birds in Montane Successional Mosaics in Western Mexico. **Eduardo Santana Castellón^o, Sarahy Contreras, Jorge Schondube, Heriberto Verdugo, Jose Carrillo, Irma Ruan, and Claudette Guerrero.**
78. Grassland Habitat Management for Henslow's Sparrow on an Important Bird Area in Tennessee. **Scott G. Somershoe^o, P. English, and J. Campbell.**
79. Ecological and Economic Benefits and Costs of Louisiana's Working Wetlands. **John V. Westra, Jay V. Huner^o, and Rex H. Caffey.**
80. Black-capped Vireo (*Vireo atricapilla*) Habitat Restoration on the Balcones Canyonlands Preserve, Travis County, Texas. **Laura Zebehazy^o, P. Fushille, K. O'Connor, A. Gosselin, and J. Brown.**
81. Terrestrial Habitat Use and Chronology of Migrating Birds in Southern Texas. **Arlene J. Arnold^o, Bart M. Ballard, and T. M. Langshield.**
82. The Influence of Russian Olive on Seasonal Abundance and Distribution of Birds within USACE Habitat Management Units along the Snake and Columbia Rivers, Washington and Oregon. **Richard A. Fischer^o and Michael P. Guilfoyle.**
83. Influence of Eastern Redcedar on Breeding Warblers in Crosstimbers Forest. **Jason R. Heinen and Timothy J. O'Connell*.**
84. Avifauna Diversity During Secondary Succession of a Tropical Dry Forest at Nizanda, Oaxaca, Mexico. **Abril Copalli Heredia Morales^o, J. A. Meave, and V. Rodriguez.**
85. Fire on the Mountain: Upland Fire and its Effects on Songbirds in the Southern Appalachian Mountains, USA. **Nathan Klaus^o, Scott A. Rush, Timothy Keyes, and Robert J. Cooper.**
86. Status and Habitat Associations of the Blue-headed Quail-dove (*Starnoenas cyanocephala*) in Ciego de Avila, Cuba. **Karen Leavelle*, X. Galvez-Aguilera, and F. Chavez-Ramirez.**
87. Influence of Habitat Structure on the Foraging Ecology of Acadian Flycatchers. **Eric L. Linder^o, Robyn B. Bailey, Jamen B. Berk, Rachel J. Johnson, MaryClare R. Rollins, and Sarah G. Gibbs.**
88. Relación Ornitocenosis - Fitocenosis en la Reserva de Biosfera Península de Guanahacabibes, Cuba. Hipotesis de Recuperacion Intermedia. **Alina Pérez^o, Freddy Delgado, and Hiram J. González.**
89. Assessment of Conservation Reserve Program Fields within Current Lesser Prairie-Chicken Range. **Dana Ripper^o, Megan McLachlan, T. Toombs, and Tammy L. VerCauteren.**
90. Comparison of Populations of Varied Buntings in Lowland Riparian Forest and Montane Scrub in West Central Mexico. **Sarahy Contreras^o, Eduardo Santana Castellón, Jorge Schondube, José Cruz, Heriberto Verdugo, Nohemí Villalpando, and Brenda Cruz.**
91. Nest Success of Four Shrubland Specialists in Actively Maintained Early Successional Habitat in Connecticut. **Christy M. Slay* and K. G. Smith.**
92. Factors Affecting Avian Use and Occupancy of Savanna Habitats at Fort McCoy. **Eric Wood*, Anna M. Pidgeon, and Volker C. Radeloff.**

THURSDAY EVENING – 103C

Using the Power of Birds to Awaken Consciousness

Session Chairs: Tom Will (tom_will@fws.gov), Nico Dauphiné (ndauphine@gmail.com)

This event will celebrate birds and their power to illuminate our conception of being, transform consciousness, and reshape the human imagination. Presentations will consist of readings of poems by new and established poets, stories and myths involving birds, short skits and dramatizations, projections of visual art, original musical compositions using birdsong as source material—and a few surprises. We hope that the event will be engaging and fun, will remind us that we need birds as much as they need us, and will inspire new ideas to awaken the connections between humans and the universe.

Southern Wings: Engaging States in International Projects

Session Chairs: Andy Paulios (Andy.Paulios@dnr.state.wi.us), David Klute, Craig Thompson (Craig.Thompson@wisconsin.gov), Deb Hahn (dhahn@fishwildlife.org), Tom Will (tom_will@fws.gov)

"Southern Wings: Engaging States in International Projects" - is an attempt engage states and large NGOs in conservation projects for priority neotropical migrants on the non-breeding grounds. Populations of some priority species are limited by conditions outside of a state's boundaries or typical zone of conservation influence. Our goal is to extend this zone of influence in a coordinated fashion to areas on the non-breeding grounds critical to maintaining healthy populations of priority species. Session presentations will highlight this concept by giving numerous concrete examples of how various states and international partners are tackling this issue and dealing with the challenges of working with non-traditional partners. The session will wrap up with a presentation on AFWA's "Southern Wings" program and some discussion on how states and key partners can collectively channel expertise and resources to where it is most needed for species of concern.

- 09:30 Making the International Connection: Full Life-cycle Stewardship for Birds. **Tom Will and Andy Paulios^o**.
- 09:45 Demographics, Migratory Connections, and Bottlenecks. **David A. Buehler^o**.
- 10:00 Forming International Partnerships: Examples from Missouri and Other States. **Brad Jacobs^o**.
- 10:15 Acres for Antpittas: Wisconsin's Growing International Bird Conservation Program. **Craig Thompson^o**.
- 10:30 Texas - State Example of International Project. **C. Craig Farquhar and Duane A. Schlitter^o**.
- 10:45 **COFFEE BREAK**
- 11:15 An Opportunity for Local Group Involvement in Latin American Bird Conservation: Adopt a MoSI Station. **Salvadora Morales, Tom Will^o, and D. Griffith**.
- 11:30 Conservation Initiatives for Priority Migrants Also Benefit Threatened Resident Birds in Colombia. **Marie Isabel Moreno^o, Paul Salaman, Alonso Quevedo, Sara Ines Lara, M. Tolosa, H. Valle, J. Castaño, and David Caro**.
- 11:45 The Southern Wings Program - Conserving State Priority Birds on their Wintering Grounds in Latin American and the Caribbean. **Debbie Hahn^o**.
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

FRIDAY – 101A

Bird Conservation and the Wildlife Trade in the Americas

Session Chairs: Nico Dauphiné (ndauphine@gmail.com), Mira Tweti (MiraTweti@ParrotPress.org)

The international wildlife trade is the third most lucrative illegal trade in the world, after weapons and drugs, and is currently worth an estimated \$10 billion annually. Birds may be the single most exploited group targeted by the wildlife trade, and their harvest for a largely uncontrolled global market raises serious concerns for both the conservation of bird populations in the wild and the welfare of individual birds taken from the wild. In this session, we will explore both current and historical perspectives on the live bird trade in the Americas, with an emphasis on the impacts of the live bird trade on the conservation of wild populations of harvested birds. Speakers will discuss research relating to ecological, economic, legal, political, and social aspects of the live bird trade in South America (including Brazil, Ecuador, Bolivia, Peru), Central and North America (Nicaragua, Mexico, United States), and beyond. Several speakers will focus on parrots (Psittacidae) as the most heavily targeted Neotropical family for the pet trade, while others will address impacts of the live bird trade on passerines and birds of prey. We will discuss specific challenges and opportunities the wildlife trade poses to bird conservation, and make recommendations both for further research and conservation action.

- 14:00 Introduction and Notes on the Live Bird Trade in Northern Peru. **Nico Dauphiné***.
- 14:05 General Overview of the Past, Present and Future of Bird Trade in Latin America. **Bernardo Ortiz von Halle°**.
- 14:30 Comments on Historical Wildlife Trade in the Americas - The Present Legal X Illegal. **Carlos Yamashita°**.
- 14:45 Quantifying the Illegal Parrot Trade in Bolivia. **Mauricio Herrera and Bennet Hennessey°**.
- 15:00 Effects of Illegal Removal Peregrine Falcon (*Falco peregrinus*) Individuals for Falconry and Biological Control on Populations in Central Peru. **Oscar Beingolea M.°**
- 15:15 Tráfico Doméstico de Psitácidos en Nicaragua; Implicaciones Sociales y Económicas. **Martín Lezama-Lopez°**.

- 15:30 **COFFEE BREAK**

- 16:00 The Illegal Parrot Trade in Mexico. **Juan Carlos Cantú-Guzmán, María Elena Sánchez-Saldaña°, Manuel Grosselet, Jesús Silva-Gamez.**
- 16:15 Bird Management in Mexico. **Ariel Rojo°**.
- 16:30 Parrot Smuggling Across the US/Mexican Border and Related Issues. **Mira Tweti°**.
- 16:45 Reintroduction of Confiscated Psittacines as One Approach to the Illegal Wild Bird Trade in Indonesia. **Stewart A. Metz° and Bonnie Zimmermann.**

- 17:00 **DISCUSSION.**

- 17:30 **DINNER**

° = Presenter; * = Student Presenter

Climate Change and Its Impact on Migratory Birds

Session Chairs: Debbie Hahn (dhahn@fishwildlife.org)

The impacts of climate change on wildlife is being widely discussed. It is all over the news and Congress is looking at a number of different pieces of legislation that deal with climate change most of which include significant funding for wildlife conservation. The objective of the session is to present what we know about climate change and the effects it is having throughout North America direct or indirectly on birds. This will include a presentation on the status of legislation in Congress. With that background, we will attempt to develop an action plan that could include monitoring, funding, and research needs, and others to address climate change and its impacts on birds into the future.

- 09:30 The Basics of Climate Change. **Ellie Cohen**[°].
- 10:00 Migration Connectivity and the Influences of Weather and Climate on Neotropical Migrants. **Phil M. Nott**[°].
- 10:15 Impacts of Climate Change on Birds and Habitats in the Caribbean. **Lisa Sorenson**[°].
- 10:30 Effects of Climate Change on the Birds of Mexico. **Adolfo G. Navarro-Sigüenza**[°], **Luis A. Sánchez-González**, and **Cesar A. Ríos-Muñoz**.
- 10:45 **COFFEE BREAK**
- 11:15 Breaking Up is Hard To Do: Seabirds, Ice and Climate Change in Canada's Arctic. **Tony Gaston**[°].
- 11:30 Climate Change and How the Hill is Addressing it through Legislation. **Gary Taylor**[°].
- 11:45 Our Fossil-Fuel Addiction: Changing Climate, Changing Birds. **Terry L. Root**[°].
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

FRIDAY – 101B

Identifying, Prioritizing and Assessing Important Bird Areas

Session Chairs: John Cecil (jcecil@audubon.org)

This session will focus on the approaches and techniques employed in identifying Important Bird Areas, prioritizing them for conservation action, and assessing the status of birds and conditions at these sites. Included will be presentations and discussions of identifying and prioritizing sites through hierarchical IBA criteria and spatial analyses and achieving conservation success through partnerships. The session will provide various perspectives of the IBA process, with examples from the U.S., and internationally. The discussion session will focus on the IBA process and consider ways for continued application and improvement.

- 14:00 Identification and Prioritization of Important Bird Areas in the U.S. **John Cecil^o, Connie Sanchez, and Jim Sheehan.**
- 14:15 Prioritizing and Assessing Important Bird Areas in Mexico. **Humberto Berlanga^o and Rosa Maria Vidal.**
- 14:30 Use of Geographic Information Systems in Identifying and Prioritizing IBAs in Louisiana. **Melanie J. L. Driscoll^o and A. Forbes.**
- 14:45 Approaches to Identifying IBAs in New York, the Second Time. **Jillian M. Liner^o, M. F. Burger, and J. Halperin.**
- 15:00 Prioritization of the Important Bird Areas of North Carolina for Conservation utilizing the metrics of the National Audubon Society Important Bird Areas Program Database. **Walker Golder and Curtis Smalling^o.**
- 15:15 Monitoring Important Bird Areas: BirdLife's Framework and Its Implementation. **Leon Bennun^o, Ian Burfield, I. Fisher, and L. Fishpool.**
- 15:30 **COFFEE BREAK**
- 16:00 Assessing the State, Pressure, and Response of IBAs in the U.S. **John Cecil^o, Connie Sanchez, and Jim Sheehan.**
- 16:15 Citizen-Science Monitoring of Landbirds in the Mississippi River Twin Cities Important Bird Area. **Tani Z. Homayoun* and R. B. Blair.**
- 16:30 Participation in Bird Conservation in Costa Rica. **Juan Criado^o; J. E. Sánchez, L. Sandoval; C. Sánchez, E. Biamonte, D. Martínez, J. Zook, G. Barrantes, H. Araya, M. Marín, and G. Monge.**
- 16:45 Integration of the U.S. and Mexican Important Bird Areas as Sonoran Joint Venture Focal Areas and Their Use for Development of Conservation Strategies. **Carol J. Beardmore^o.**
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

^o = Presenter; * = Student Presenter

Education Through Mist-netting Demonstrations

Session Chairs: Melissa Pitkin (mpitkin@prbo.org)

This session will focus on the under-utilized opportunity to connect people with birds and conservation through bird banding demonstrations. The goal is to showcase programs or tools that facilitate education at mist-netting stations and to highlight successful products that can be modified for use at various bird banding stations throughout the Americas.

- 09:30 Mist Netting with the Public: A Guide for Communicating Science Through Bird Banding. **Melissa Pitkin^o**.
- 09:45 Mist-netting Outreach - Creating a Science Learning Opportunity with Your Data. **Missy Wipf^o, Melissa Pitkin, and Thomas Gardali**.
- 10:00 A Process and Tools for Evaluating Bird Banding Education Success. **Amy Busch* and Ashley A. Dayer**.
- 10:15 The Effective Incorporation of Students and Volunteers in On-going Banding Studies. **Mike Bishop^o**.
- 10:30 Teens Band: Inspiring Teen Banders as Ambassadors for Bird Conservation. **Dan Froehlich^o, E. Sprong, and Donald M. Norman**.
- 10:45 **COFFEE BREAK**
- 11:15 Mist-netting Demonstrations - An Excellent Venue for Habitat Education. **C. Mark Klym^o**.
- 11:30 Birds in Hand and Field, Activities for Exploring Birds. **Amanda Morrison^o, Sue Bonfield, and S. York**.
- 11:45 Bird Banding and Monitoring at IslandWood. **Donald M. Norman^o, Karen Salsbury, and Dawn Garcia**.
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

FRIDAY – 101C

Bird Conservation Education and Outreach: Examples of Successes and Tools for Creating New Programs

Session Chairs: Melissa Pitkin (mpitkin@prbo.org), Bob Petty (Rpetty@audubon.org)

This session will highlight bird education and outreach programs or products that emphasize bird conservation. The goals of this session are to showcase programs or products that tie directly to bird conservation goals, to provide a forum or voice for these programs among the scientific community, and to highlight programs that can serve as models to be replicated in other areas.

- 14:00 International Migratory Bird Day: What's Conservation Got to Do With It? **Sue Bonfield**^o.
- 14:15 How the Great Texas Birding Classic Has Met the Challenge to Conserve Critical Gulf Coast Habitat. **Carol A. Jones**^o, **Shelly Plante**, and **Clifford E. Shackelford**.
- 14:30 Customizing Conservation Plans for the Local Level. **Melissa Pitkin**^o, **Ryan DiGaudio**, and **Thomas Gardali**.
- 14:45 Strategic Communications and its Critical Role in Bird Habitat Conservation: Understanding the Social-Ecological Paradigm. **Roxanne E. Bogart**^o, **Jennie N. Duberstein**, and **Debbie F. Slobe**.
- 15:00 Golden-winged Warbler Conservation Research—A Vehicle for Outreach Education in the Cumberland Mountains of East Tennessee. **Kelly Caruso**^{*}, **David A. Buehler**, and **D. Ostermeier**.
- 15:15 Generating Bird and Habitat Conservation Through Economic Incentives... Experiences from the Yucatan Peninsula, Mexico. **Barbara MacKinnon de Montes**^o.
- 15:30 **COFFEE BREAK**
- 16:00 Connecting Bird Conservation Plans to Education Programs—An Excel Tool for Defining Audiences and Developing Programs. **Robert Petty**^o and **Judy Braus**.
- 16:30 Urban Bird Conservation: Linking Yards and Neighborhoods to Regional Bird Conservation. **Rob Fergus**^o.
- 16:45 U.S. Fish and Wildlife Service Bird Conservation Education Programs. **Janet Ady**^o.
- 17:00 Black-backed Woodpeckers Catch People on Fire: Using Birds as a Way to Connect People to Nature Conservation. **Susan Reel**^o and **Richard L. Hutto**.
- 17:15 **DISCUSSION**
- 17:30 **DINNER**

^o = Presenter; ^{*} = Student Presenter

Effects of Energy Extraction on Birds

Session Chairs: Brenda Dale (brenda.dale@ec.gc.ca), Erin Bayne (bayne@ualberta.ca)

- 09:30 Effects of Seismic Lines on the Abundance of Breeding Birds in the Kendall Island Migratory Bird Sanctuary, NWT, Canada. **Amber Ashehurst and Susan J. Hannon^o**.
- 09:45 Sustainability of Boreal Forest Bird Populations in the Face of Rapid Energy Sector Development: An Overview of Field Research and Habitat Modeling for the Western Sedimentary Basin. **Erin M. Bayne^o, Jeffrey R. Ball, Lucas Habib, Craig M. Machtans, Lisa Mahon, and Fiona Schmiegelow**.
- 10:15 Abundance of Two Grassland Songbirds in an Area of Natural Gas infill Drilling in Alberta, Canada. **Brenda C. Dale^o, Trevor S. Wiens, and Laura E. Hamilton**.
- 10:30 Are There Demographic Consequences of Natural Gas Development to Populations of Sagebrush Obligate Songbirds in the Wyoming Basin? **Aaron L. Holmes* and Alison V. King**.
- 10:45 **COFFEE BREAK**
- 11:15 Energy Sector Edge Effects on Songbird Nest Fate and Productivity in the Boreal Forest of Western Canada. **Jeffrey R. Ball*, Erin M. Bayne, and Craig M. Machtans**.
- 11:30 Reducing the Effects of Energy Extraction on Birds Through Habitat Restoration Programs. **C. Mark Klym^o**.
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

FRIDAY – 102A

Regional Population Objectives for Landbirds: Methods and Process to Provide the Framework for a National Guidance Document

Session Chairs: Bob Altman (baltman@abcbirds.org), Pete Blancher (Peter.Blancher@ec.gc.ca), Randy Dettmers (randy_dettmers@fws.gov), Ken Rosenberg (kvr2@cornell.edu), David Pashley (dpashley@abcbirds.org), Frank Rivera-Milan (frank_rivera@fws.gov), Tom Will (tom_will@fws.gov)

This session will provide the first national opportunity to discuss methods and process to set regional population abundance objectives for landbirds in support of the Partners In Flight Continental Plan and the Joint Venture's efforts in conservation design for landbirds. The need for this discussion has been identified as a high priority by the Partners in Flight National Implementation and Science Committees and the Joint Venture Science Coordinators. The session will include presentations of examples of different approaches being used to set regional population abundance objectives, and emphasize facilitated discussion of the pros and cons of each approach. Presenters will be given specific instructions on the content of their talks including a series of questions to answer. Outcomes of the discussion will determine the need and content for a potential follow-up national workshop with the goal of producing a guidance document on the topic.

- 14:00 Population Objectives: A Biological Perspective. **Randy Dettmers^o and Bob Altman.**
- 14:15 Population Objectives and the Human Mind: Educational and Social Marketing Value of Numbers. **Ashley A. Dayer*.**
- 14:30 A Recent History of Bird Initiative Population Objectives. **Kenneth V. Rosenberg^o and Peter J. Blancher.**
- 14:45 Discussion and Action Items for Supporting the Value and Role of Population Objectives in Bird Conservation. **Larry Neel (Facilitator).**
- 15:00 Playa Lakes Joint Venture Population Objectives for Grassland Habitats. **Michael F. Carter^o and Christopher M. Rustay.**
- 15:15 Central Valley Joint Venture Targets for Riparian Habitats. **Geoffrey R. Geupel^o and Diana Stralberg.**
- 15:30 **COFFEE BREAK**
- 16:00 Population Objectives for Priority Birds in the Central Hardwoods and West Gulf Coastal Plain. **Todd D. Jones-Farrand^o, John M. Tirpak, C. K. Baxter, Jane A. Fitzgerald, Frank R. Thompson, III, Dan J. Twedt, and Bill W. Uihlein, III.**
- 16:15 Pacific Coast Joint Venture Population Objectives for Oak Habitats. **Bob Altman^o, Erin Stockenberg, Michael Green, John D. Alexander, and Diana Stralberg.**
- 16:30 Defining Regional Landscape Population Objectives for Golden-winged Warbler in the Core of its Range. **Tom Will^o, Wayne Thogmartin, and A. Roth.**
- 16:45 Northern Bobwhite Regional Population Objectives. **Don McKenzie^o.**
- 17:00 Discussion and Action Items for the Process and Methods of Setting Regional Population Objectives for Landbirds. **Larry Neel (Facilitator).**
- 17:15 **DISCUSSION**
- 17:30 **DINNER**

^o = Presenter; * = Student Presenter

The Avian Knowledge Network: A Hemisphere-wide Partnership to Organize, Analyze, and Visualize Bird Observation Data for Education, Conservation, Research, and Land Management

Session Chairs: Steve Kelling (stk2@cornell.edu), Grant Ballard (gballard@prbo.org), Leo Salas (lsalas@prbo.org)

In February of 2007, the US NABCI Monitoring Subcommittee published a report calling for improvements in the effectiveness, scope, utility, and efficiency of bird monitoring. Presentations in this session will address three of the report's main goals: integrate monitoring into bird management and conservation; coordinate monitoring programs among organizations and across spatial scales; and improve statistical design. Discussions will be interspersed with talks.

- 09:30 What is the Avian Knowledge Network (AKN)? **Marshall J. Iliff^o and Steve T. Kelling.**
- 09:45 Data organization in the Avian Knowledge Network. **Denis Lepage^o.**
- 10:00 Design and Roles of an AKN Node. **Leo Salas^o, Grant Ballard, Brian L. Sullivan, Geoffrey Geupel, C. John Ralph, and Mark P. Herzog.**
- 10:15 The Avian Knowledge Alliance (AKA): An Outreach Network for Education and Management. **David Hanni^o, Brian L. Sullivan, Geoffrey R. Geupel, Jaime L. Stephens, Grant Ballard, and John D. Alexander.**
- 10:30 Exploring Observational Data Using Visualization Tools. **Brian L. Sullivan^o.**
- 10:45 **COFFEE BREAK**
- 11:15 Web Mapping for Bird Conservation: Leveraging the AKN. **Douglas A. Miller^o; S. R. Crawford, Terry D. Rich, and Steve T. Kelling.**
- 11:30 Exploring Bird Monitoring Data to Guide Management and Research Decisions: Predicting Relative Abundance with Decision Trees. **Daniel Fink^o, Wesley M. Hochachka, and Nadav Nur.**
- 11:45 Elucidating Ecological Factors Influencing Variation in Relative Abundance of Riparian Species in California: The Significance of Spatial Scale. **Nadav Nur^o, Daniel Fink, Wesley M. Hochachka, and Mark P. Herzog.**
- 12:00 A New Paradigm from Constant-effort Banding and Census for a Sensitive and Comprehensive Understanding of Landbird Life History Phenomena. **C. John Ralph^o, Leo Salas, and Steve Kelling.**
- 12:15 Integrated Bird Monitoring and the Avian Knowledge Network: Using Multiple Data Resources to Understand Spatial Variation in Demographic Processes and Abundance. **James Saracco^o, David F. DeSante, Phil M. Nott, Wesley M. Hochachka, and Steve Kelling.**
- 12:30 **LUNCH**

FRIDAY – 102B+C

Birds as Indicators of Ecosystem Integrity

Session Chairs: Brady Mattsson (bjmatt@warnell.uga.edu), Robert Cooper (rcooper@smokey.forestry.uga.edu)

While understanding how to best conserve bird assemblages remains an important endeavor, we must also acknowledge that birds tell us about the integrity of their respective ecosystems. Monitoring presence/absence, abundance, reproduction, and/or survival provide important metrics that correspond with the diversity of biota associated with particular bird species or assemblages of bird species. Determining specifically how individual species or guilds can serve as indicators is a crucial yet challenging step. In this session, we highlight recent developments in identifying birds as indicators and how these approaches may be applied in future monitoring programs. Presentations will include representatives of several ecosystems, including eastern forests, coastal marshes, western streams, and lakes.

- 14:00 Introduction to Session: Birds as Indicators of Ecosystem Integrity. **Robert J. Cooper^o**.
- 14:15 Bachman's Sparrows (*Almophila aestivalis*) as Indicators of Fire Frequency in the Southeastern United States. **Clark D. Jones***, **Jim A. Cox**, and **J. W. Tucker**.
- 14:30 Are Shade-Grown Coffee Plantations Disease Sinks for Wild Birds? **Sonia M. Hernandez-Divers***, **R. Carroll**, **S. Sanchez**, **C. Jimenez**, **Robert J. Cooper**, **P. Rohani**, **J. Fischer**, and **S. J. Hernandez-Divers**.
- 14:45 Prothonotary Warblers as Indicators of Hydrological Conditions in Forested Floodplains. **Jeffrey P. Hoover^o**.
- 15:00 Bird Communities as Indicators for Ecosystem Integrity of Humid Tropical Forests in the Ecuadorian Chocó. **Olaf Jahn^o**.
- 15:15 Louisiana Waterthrushes as Indicators of Stream Ecosystem Integrity. **Brady J. Mattsson^o** and **Robert J. Cooper**.
- 15:30 **COFFEE BREAK**
- 16:00 An Objective Index of Ecological Condition Using Breeding Bird Communities. **Robert W. Howe^o**, **Gerald J. Niemi**, and **N. P. Danz**.
- 16:15 Advancing Broad Scale Ecological Assessment Using Bird Community Indicators. **Timothy J. O'Connell^o**.
- 16:30 Clapper Rails as Ecological Indicators of Tidal Marsh Health. **Scott A. Rush^o**, **K. F. Gaines**, **Mark S. Woodrey**, **A. T. Fisk**, and **Robert J. Cooper**.
- 16:45 **DISCUSSION**
- 17:30 **DINNER**

Birds, People and Politics: Capturing the Power of Birdwatchers

Session Chairs: Alicia King (aking@abcbirds.org)

This session will highlight programs, initiatives and conservation actions that involve individual birdwatchers or organized groups of birdwatchers, bird clubs, advocacy organizations, citizen science programs, and others. The goals of this session are to highlight programs that result in bird conservation actions, or provide a forum or voice among organizations that result in bird conservation education, advocacy or the support of conservation action on the ground or have the potential to result in conservation advocacy or action.

- 09:30 20 Years of Watching Birds: Project FeederWatch Captures the Power of Backyard Birdwatchers. **David N. Bonter**^o.
- 09:45 The Power of Organizations. **Alicia V. King**^o.
- 10:00 Tracking the Nesting Success of North America's Breeding Birds through NestWatch. **Tina Phillips**^o.
- 10:15 Birding Festival in Columbia. **Sara Ines Lara**^o.
- 10:30 The Power of the Neotropical Migratory Bird Conservation Act. **Darin Schroeder**^o.
- 10:45 **COFFEE BREAK**
- 11:15 Boreal Songbird Initiative. **Marilyn Heiman**^o.
- 11:30 The Puget Sound Seabird Survey. **Adam Sedgley**^o and **Donald M. Norman**.
- 11:45 Towers, Birds, and the Citizens Who Study Them. **Erin Tighe Macchia**^o, **James C. Bednarz**, and **Richard S. Grippo**.
- 12:00 Conservation Through Bird Education in Texas. **C. Mark Klym**^o.
- 12:15 A History of Birding for Conservation in Delaware. **Sara O'Byrne**^o and **Bill Stewart**.
- 12:30 **LUNCH**

FRIDAY – 103A+B**Marsh and Marshbird Conservation**

Session Chairs: Jennifer Wheeler (jennifer_a_wheeler@fws.gov), Mark Woodrey (msw103@ra.msstate.edu)

Although great strides in strategic bird habitat conservation have been made recent years, biological planning and conservation design efforts addressing marsh-dwelling birds are essentially non-existent. Drawing on the recently articulated framework for Strategic Habitat Conservation (<http://www.fws.gov/southwest/About%20Us/SHC%20Summary%20Sheet%20Final%2007152007.pdf>), this session will include presentations which address various elements of this approach with respect to marsh and marshbird conservation, in particular biological planning, outcome-based monitoring and assumption-driven research. The session will examine, at the regional scale, known or suspected habitat and landscape scale characteristics important to predicting marsh bird abundance and distribution. The geographically-specific results will be used to inform future efforts to develop landscape scale, spatially-explicit models critical for bird conservation planning at the Bird Conservation Region scale. Because little empirical data exists for this group of birds, the focus of this session will be to outline the parameters thought to be important for marsh birds, prioritize these information needs, and subsequently develop large-scale, regional collaborative initiatives to address data gaps for developing habitat-based models for marsh birds.

- 14:00 Applying the Strategic Habitat Conservation Framework to Marsh-dwelling Birds. **Mark S. Woodrey^o and Jennifer A. Wheeler.**
- 14:15 What Makes North American Coastal Marshes So Special? The Status of Endemic Avian Taxa. **Russell Greenberg^o.**
- 14:30 Landscape Characteristics and Habitat Use of Marsh Birds in the Northeastern U.S. **Greg W. Shriver^o.**
- 14:45 Distribution Within, and Use of Marsh Habitats by Clapper and King Rails in South Carolina. **Sara H. Schweitzer^o, Sean P. McGregor, Ernie P. Wiggers, and William E. Mills.**
- 15:00 Habitat Use by Marsh Birds Along the Northern Coast of the Gulf of Mexico. **Scott A. Rush^o, E. C. Soehren, A. T. Fisk, Mark S. Woodrey, and Robert J. Cooper.**
- 15:15 Solving Habitat Mysteries of the Black Rail (*Laterallus jamaicensis*) in the Midwest. **Robert P. Russell^o.**
- 15:30 **COFFEE BREAK**
- 16:00 Predictive Models of Abundance of Tidal-Marsh Birds in Relation to Habitat and Landscape Features in the San Francisco Estuary: Implications for Conservation and Restoration. **Nadav Nur^o, Diana Stralberg, Mark P. Herzog, Nils Warnock, Leonard Liu, and Parvaneh Abbaspour.**
- 16:15 Climatic Moisture Cycles and Marsh Bird Conservation in the Great Plains. **Nancy Drilling^o.**
- 16:30 Habitat Suitability Models for King Rails on the Gulf Coast. **Bill Vermillion^o, Sammy L. King, and David G. Krementz.**
- 16:45 A Pilot Study to Test a Continental Sampling Design for Marsh Bird Population Monitoring in the United States. **Mark Seamans^o.**
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

^o = Presenter; * = Student Presenter

Focal Species Conservation: Lessons from the Non-breeding Period

Session Chairs: Peter Marra (marrap@si.edu), Ken Rosenberg (kvr2@cornell.edu)

For migratory birds, the periods of the annual cycle are inextricably linked. For example, the consequences of events on migrants at wintering locations affect individual performance during migration and the subsequent breeding season, and vice versa. This simple fact has important implications for the ecology, evolution, and especially the conservation of migratory birds. Such inter-seasonal effects are poorly understood within most bird migration systems – primarily for two reasons. First, we have a poor understanding of how individuals and populations are connected between specific breeding and non-breeding locations. Second, the majority of research is still conducted during the breeding season, leaving us with an inadequate understanding of fundamental natural history and ecology of migrant birds during the non-breeding season.

This symposium will present several examples of where research on focal species during the non-breeding season has identified critical limiting factors at individual and population levels. Our goal will be to illuminate the research priorities and agenda for the next 5-10 years and to develop a clear process for bringing scientific data into conservation action plans for high-priority migratory birds.

- 09:30 The Missing Link: Lessons from the Winter Ecology of the American Redstart. Peter P. Marra^o.
- 09:45 The Kirtland's Warbler Research and Training Project. **David N. Ewert^o, J. M. Wunderle, Jr., D. Currie, J. D. White, Eric Carey, and P. W. Huber.**
- 10:00 Elucidating the Limiting Factors of a Rare, Declining Species: Bicknell's Thrush. **Christopher C. Rimmer^o, Kent P. McFarland, and Jason M. Townsend.**
- 10:15 The Northern Waterthrush: Territoriality and Roosting Behavior During the Non-breeding Season and Its Consequences on Individual Performance. **Joseph Smith*, Peter P. Marra, and L. R. Reitsma.**
- 10:30 Alianza Alas Doradas: Non-breeding Ecology and Conservation of Golden-winged Warbler. **Maria Isabel Moreno^o, David Pashley, Paul Salaman, Tom Will, G. Duriaux, E. Campos, O. Jaramillo, Pablo Paul Elizondo, A. Naveda-Rodriguez, Mariamar Gutiérrez, and Salvadora Morales.**
- 10:45 **COFFEE BREAK**
- 11:15 Current State of Knowledge of the Cerulean Warbler Ecology in its Non Breeding Area as a Base for Preliminary Conservation Plan. Perspective Future. **Paula Caycedo Rosales^o, Paul Salaman, David Pashley.**
- 11:30 Applying Concepts of Seasonal Connectivity to the Conservation of High Priority Migratory Landbirds. **Kenneth V. Rosenberg^o and Peter P. Marra.**
- 11:45 **DISCUSSION**
- 12:30 **LUNCH**

FRIDAY – 103C

Strengthening Alliances for Grassland Conservation in the Western Hemisphere

Session Chairs: Andres Bosso, Jim Chu (jchu@fs.fed.us), Rob Clay (rob.clay@birdlife.org)

The goal of this session is to strengthen efforts to conserve grassland birds and biodiversity through the creation of a joint venture/ alliance that is hemispheric in scope and focuses on engaging stakeholders at all levels to positively impact grasslands and their biodiversity.

- 14:00 Forty-year Decline of Grassland Birds in North America. **Greg S. Butcher^o, Daniel K. Niven, and John R. Sauer.**
- 14:15 Lessons from The Nature Conservancy Prairie Wings Program: Opportunities and Challenges for Grassland Conservation in the Americas. **Bob McCready^o, Brian Martin, and David Mehlman.**
- 14:30 Conservation of North American Grassland Birds in the Chihuahuan Desert. **Arvind Panjabi^o, Jose Ignacio González Rojas, Irene Ruvalcaba-Ortega, and Bob McCready.**
- 14:45 Grassland Bird Management on Public Lands in the United States: an Example from the Northern Great Plains. **Dan Svingen^o.**
- 15:00 Overview of Forest Service Research and Assessments on Grassland Birds in the Interior West. **Deborah Finch^o.**
- 15:15 A Grasslands Joint Venture in Southern South America. **Andres Bosso^o and Anibal Parera.**
- 15:30 **COFFEE BREAK**
- 16:00 Private Land Management in Mexico's Northern Grasslands. **Miguel Angel Cruz-Nieto^o and Nelinda Barajas.**
- 16:15 Conserving while Producing: Experiences with Grassland Management Regimes at Laguna de Rocha, Uruguay. **Joaquin Albade^o.**
- 16:30 **DISCUSSION**
- 17:30 **DINNER**

Implementation of PIF Bird Conservation Plans and State Comprehensive Wildlife Conservation Strategies

Session Chairs: Rex Sallabanks (rsallabanks@idfg.idaho.gov), Larry Neel (neel@ndow.org)

To identify links between existing PIF bird conservation plans and state comprehensive wildlife conservation strategies that relate to monitoring, research, and/or habitat improvement projects designed to benefit birds of conservation concern. To prioritize goals and objectives common to both planning efforts, to identify opportunities for implementation of state comprehensive wildlife conservation strategies through actions of bird conservation partners, and to explore options for funding PIF initiatives through the State Wildlife Grants program.

- 09:30 State Wildlife Action Plans – Providing Linkages From Partners In Flight To Partner Planning Processes – An Overview. **Larry Neel**^o.
- 09:45 Bottomland Forest Restoration in the Mississippi Alluvial Valley. **Dennis Figg and Brad Jacobs**^o.
- 10:00 Playa Lakes Joint Venture's Use of Communications and Education to Help Achieve Bird Conservation Goals. **Debbie F. Slobe**^o.
- 10:15 Integrating the Monitoring Components of the Arizona State Action Plan, the Sonoran Joint Venture Bird Conservation Plan, and the Partners in Flight Coordinated Bird Monitoring Program. **Carol J. Beardmore**^o.
- 10:30 Arizona's PIF Plan Objectives Tiered to the Wildlife Action Plan: Opportunities for Implementing Bird Conservation in the Borderlands. **Edwin Juarez**^o and **F. Abarca**.
- 10:30 Exploring Observational Data Using Visualization Tools. **Brian L. Sullivan**^o.
- 10:45 **COFFEE BREAK**
- 11:30 State Wildlife Action Plans: A Platform for Enhanced Landscape-Scale Collaboration Among State Fish and Wildlife Agencies and Their Partners. **Dave Chadwick**^o, **Larry Neel**, and **Rex Sallabanks**.
- 11:45 Opportunities and Challenges for Coordinated Implementation. **Emily J. Williams**^o.
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

FRIDAY – 103D

CONTRIBUTED PAPER SESSIONS

Waterbird and Shorebird Ecology and Conservation

- 14:00 Habitat Enhancement to Reduce Impact of Aleutian Cackling Geese on Private Coastal Pastures. **Matthew D. Johnson^o, Jeffrey Black, Dominic Bachman, and Kyle Spragens.**
- 14:15 Predicting Long-billed Curlew Occurrence in Central Utah. **Kimberly Asmus Hersey^o.**
- 14:30 The Importance of Working Wetlands as Avian Habitat in the Northern Gulf of Mexico Region. **Jay V. Huner^o, Clinton W. Jeske, and Michael J. Musumeche.**
- 14:45 Spatial and Temporal Patterns in Avian Diversity and Abundance in a Coastal Estuary in Sonora, Mexico. **Alyssa Rosemartin*, Hem Nalini Morzaria Luna, Alejandro Castillo, and Charles van Riper, III.**
- 15:00 History of Sugarcane Cultivation in Puerto Rico: Opportunities for Wetland Restoration and Waterbird Conservation. **Francisco J. Vilella^o.**
- 15:15 Migration, Science and Mystery: Through Television Media an International Shorebird Conservation Program Along the Pacific Flyway Corridor. **Xico Vega^o, C. Hernández, Jim Chu, and R. Miro.**
- 15:30 **COFFEE BREAK**

Monitoring Strategies and Mathematical Applications

- 16:00 Are Avian Habitat Relationships Estimated from Remotely Sensed Data Applicable on a Regional Scale? **Alan T. Hitch*, James B. Grand and S. L. Allen.**
- 16:15 Stopover Areas of Migratory Birds: Topography and Habitat Characteristics. **Sidney A. Gauthreaux^o and Carroll S. Belser.**
- 16:30 Identification and Investigation of Migratory Bird Stopover Hotspot Habitats on U.S. Military Installations. **Richard A. Fischer^o, Sidney A. Gauthreaux, Michael P. Guilfoyle, Emily Cohen, Carroll S. Belser and Frank Moore.**
- 16:45 A Hierarchical Bayesian Model for Stochastic Metapopulation Viability in the Presence of Translocation. **C. K. Wikle, R. L. Schooley, S. F. Bussmann, and Don R. Pitts^o.**
- 17:30 **DINNER**

^o = Presenter; * = Student Presenter

Conservation Design: Linking Models to Management

Session Chairs: Jane Fitzgerald (jfitzgerald@abcbirds.org), Wayne Thogmartin (wthogmartin@usgs.gov), Tim Jones (Tim_Jones@fws.gov)

This session will focus on how knowledge of the abundance and distribution of birds across ecoregions, typically derived from GIS-based models of bird-habitat relationships, can be used to make decisions regarding where to implement conservation action within the region and what form those actions should take (e.g. acquisition, restoration, or management). Each speaker will be asked to address their vision of how this decision-making process should occur, who should be involved, and how those needed to coordinate and/or implement the actions should be educated with regard to their potential role.

- 09:30 Introduction to Conservation Design Session. **Jane A. Fitzgerald^o**.
- 09:45 Using Spatial Models to Guide and Assess Conservation of Grassland and Wetland Birds in the Prairie Pothole Joint Venture. **Neal D. Niemuth^o, Michael E. Estey, and Ronald E. Reynolds.**
- 10:15 Bird Habitat Conservation through Science, Technology, and Partnerships. **John M. Tirpak^o, Todd D. Jones-Farrand, Jane A. Fitzgerald, Frank R. Thompson, III, Dan J. Twedt, and Bill W. Uihlein, III.**
- 10:45 **COFFEE BREAK**
- 11:30 Developing a Focal Species Bioassay for Assessment of Songbird Conservation Design Strategies. **Rob Rempel^o**.
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**
- 14:00 Conserving King Rail in the Roanoke-Tar-Neuse-Cape-Fear Ecosystem: Using Bayesian Belief Models to Guide Research and Management Efforts. **C. Ashton Drew^o, J. Stanton, and Alexa McKerrow.**
- 14:30 Stepping Down the Goals of the Northern Bobwhite Conservation Initiative: Focusing Effort Where Suitability Intersects Opportunity. **L. Wes Burger, Jr.^o and Rick Hamrick.**
- 15:00 Informing Land Management and CRP Program Delivery in the Intermountain West. **Daniel Casey^o and Susannah Casey.**
- 15:30 **COFFEE BREAK**
- 16:00 Conservation Opportunities Assessment for Rare Birds in the Upper Midwestern United States. **Wayne Thogmartin^o**.
- 16:30 A Decision Support Tool to Guide the Conservation of Open Pine Habitats in the East Gulf Coastal Plain. **James B. Grand^o, K.J. Kleiner, and Allison Vogt.**
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

SATURDAY – 101A

Birding Trails Connecting to Conservation

Session Chairs: Ashley Dayer (aad@klamathbird.org)

In 1999 Texas was the only state with a birding trail. Birding trails have since been developed at a rapid pace and are now found in nearly forty states and multiple international locations. These trails have been formed to connect birding hotspots with tourism opportunities, economic development, and conservation. This session will explore conservation outcomes and potential using case studies from throughout North America. An interdisciplinary approach will be taken with presentations covering history, partnerships, economics, policy, international perspective, community outreach, youth education, and accessibility.

- 09:30 Birding Trails - A Historical Perspective. **Ted Lee Eubanks^o**.
- 09:45 Partnerships' Role in Building Birding Trails: an Example from Southeastern Arizona. **Jennie N. Duberstein^o**.
- 10:00 Maximizing the Economic and Conservation Potential of Birding Trails with Business and Community Training. **Salinda Daley^o, L. Gallitano, and S. Tomas**.
- 10:15 International Perspective: A Case Study of Birding Trail Development Internationally. **Andrew Rothman^o**.
- 10:30 Birding Trails as Land Conservation Tools for the Future. **Jeffrey B. Trollinger^o, Sergio Harding, and Lou Verner**.
- 10:45 **COFFEE BREAK**
- 11:15 Birding Trails as Conservation Tools: Telling Stories About Fire. **Susan Reel^o and Richard L. Hutto**.
- 11:30 Linking Birding Trails with Communities: Place-Based Youth Education. **Ashley A. Dayer and Elizabeth Burris***.
- 11:45 A Birding Trails Policy Perspective: Looking at the Gaps. **Paul J. Baicich^o**.
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

Blue Sky: Opportunities for Advancing Bird Conservation Over the Next Ten Years

Session Chairs: David Pashley (dpashley@abcbirds.org), Ed Laurent (Ed_Laurent@ncsu.edu),
Brian Smith (bsmith@abcbirds.org)

This session will explore recent conceptual impediments and advances in bird conservation. Speakers will specifically address opportunities for advancing data collection methodologies, describing habitat and its functional connectivity in space and time, identifying threats and their impacts on populations, improving information sharing, and implementing strategies for conservation planning. Emphasis will be placed on practical processes for incorporating these advances into everyday conservation activities and their evaluation.

- 14:00 Introduction to Blue Sky session. David Pashley^o.
- 14:02 Sources of Measurement Error, Misclassification Error, and Bias in Auditory Avian Point Count Data. **Theodore R. Simons^o, K. H. Pollock, J. M. Wettroth, M. W. Alldredge, K. Pacifici, and J. Brewster.**
- 14:15 Using Constant-effort Mist Netting and Mark-recapture Data to Understand Dynamics, Trends, and Limiting Factors of Bird Populations and to Address Threats to Them. **James F. Saracco^o and David F. DeSante.**
- 14:30 Advancing our Understanding of Functional Connectivity with Empirical Studies and its Implication for Avian Conservation. **Jaime A. Collazo^o.**
- 14:45 Current and Future Availability of Environmental Data for Predicting the Spatial Distribution of Bird Populations. **Edward J. Laurent^o, Alexa McKerrow, and Jaime A. Collazo.**
- 15:00 Bridging the Gap Between Habitat-modeling Research and Bird Conservation and Land Management Planning. **Frank R. Thompson, III^o.**
- 15:15 Incorporating Functional Connectivity and Uncertainty Analysis into Habitat Trading Programs for the Red-Cockaded Woodpecker. **Doug Bruggeman^o.**
- 15:30 **COFFEE BREAK**
- 16:00 Discovery, Organization, and Access: The Role of Bioinformatics in the PIF Community. **Steve T. Kelling^o.**
- 16:15 Putting the Outcomes of SHC to Work in Bird Conservation. **Rex R. Johnson^o.**
- 16:30 **DISCUSSION**
- 17:30 **DINNER**

SATURDAY – 101B

Conserving the Rusty Blackbird: More than a Single-Species Issue

Session Chairs: Russ Greenberg (greenbergr@si.edu)

The Rusty Blackbird is showing one of the steepest declines of any migratory species and is the only species that connects two of the most threatened ecosystems in North America: boreal wetlands and bottomland hardwood forests. Furthermore as a blackbird its future management highlights the issue of conserving a species that is subject, albeit indirectly, of pest control programs. This session highlights the efforts of an international working group to understand and reverse a species decline in the context of these larger conservation issues.

- 09:30 Long-term Decline and Short Term Crash of the Once Abundant Rusty Blackbird. **Russel Greenberg^o, P. Blancher, D. Niven, and S. Droege.**
- 09:45 Declining Blackbirds, Ducks, and Shorebirds: What is Happening to Boreal Wetland Birds? **Robin Corcoran^o, Stuart Slattery, and Steve Matsuoka.**
- 10:00 Habitat Use and Reproductive Ecology of Rusty Blackbirds in New England and Alaska. **Luke L. Powell*, Steve Matsuoka, and Dave Shaw.**
- 10:15 Blackbird Flyways from Boreal to Bottomlands: What Banding and Isotope Data Tell Us. **Keith A. Hobson, A. Leppold, R. S. Mulvihill, and R. Greenberg^o.**
- 10:30 From Urban Roosts to Bottomland Hardwoods: Critical Needs for Wintering Rusty Blackbirds. **Claudia Mettke-Hofmann^o, Jason D. Luscier, Gerhard Hofmann, Paul B. Hamel, and Russell Greenberg.**
- 10:45 **COFFEE BREAK**
- 11:15 Beyond BBS and CBC: Citizen Science Approaches to Surveying and Monitoring Rusty Blackbird Populations. **Jason D. Luscier*, Russell Greenberg, Luke L. Powell, and Steve Matsuoka.**
- 11:30 Bottomland Hardwood Forest Past and Future: Conservation, Management and Agricultural Policies. **T. D. Leininger, Randy Wilson, Diane DeSteven, and Paul B. Hamel^o.**
- 11:45 From Pest to Conservation Priority: Changing the Perception and Management of a Blackbird. **Micheal L. Avery^o, S. C. Barras, Jean-Pierre L. Savard, and Gerhard Hofmann.**
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

Wind Power Developments and Bird Populations on Lower Gulf Coast of Texas: Challenges and Opportunities

Session Chairs: Bill Kuvlevsky, Jr. (william.kuvlesky@tamuk.edu), Leonard Brennan (leonard.brennan@tamuk.edu)

Our purpose in proposing this session is to summarize what is known about how wind farms influence wildlife populations and identify specific research opportunities and management challenges that can help mitigate the potential negative effects of this newly emerging technology. Our specific objectives are to focus on: (1) how wind farms influence migratory and resident birds; (2) why the LGCT represents such critical habitat for migratory and resident birds, and how poorly planned and developed wind farms might effect them; (3) highlight research needs and emphasize the importance of appropriate experimental designs; (4) provide perspective from the wind power industry and private landowners; (5) provide results of preliminary wind farm/bird research that is ongoing in the LGCT; (6) identify policy needs and highlight ongoing policy development relative to the LGCT and emphasize the importance of outreach and education; (7) provide a conclusion that highlights some specific issues and concerns that pertain to wind farm development of the LGC of Texas; and (8) provide an opportunity for discussion among session participants to develop a LGCT wind farm/ bird population strategic plan that Partners in Flight can use to become participants in the wind farm planning and development process for the LGCT.

- 14:00 The Impacts of Wind Farms on Bird Populations: A Summary of Our Current Knowledge. **William P. Kuvlesky^o, Jr. and Micheal L. Morrison.**
- 14:15 Windfarm Energy Development, Prescribed Fire and Migratory Land Birds in the Southeastern United States: Breeding, Stopover, and Wintering Habitat Relationships. **Leonard A. Brennan^o, Bart M. Ballard, and William P. Kuvlesky, Jr.**
- 14:30 Potential Impacts of Wind Farm Energy Development on Upland Game Birds: Why Worry? **Leonard A. Brennan^o, Robert M. Perez, Stephen J. DeMaso, Bart M. Ballard, and William P. Kuvlesky, Jr.**
- 14:45 Dynamics of Bird Migration Along the Lower Texas Coast. **SuzanneContreras^o, Bart M. Ballard, William P. Kuvlesky, Jr., Leonard A. Brennan, Michael L. Morrison, and Kathy K. Boydston.**
- 15:00 Utilizing Thermal Imagers to Monitor Nocturnal Neotropical Migrant Activity in the Rotor Swept Area of a Wind Turbine. **Jim Sinclair^o and Glenn Perrigo.**
- 15:15 Windfarms and Bird Populations of The Lower Gulf Coast of Texas: An Industry Perspective. **Wayne W. Walker^o.**
- 15:30 **COFFEE BREAK**
- 16:00 Wind Farms and Bird Populations of The Lower Gulf Coast of Texas: A Landowner's Perspective. **Dave Delaney^o.**
- 16:15 Wind Farm/Wildlife Policy and Outreach Development for the Lower Gulf Coast of Texas. **Kathy K. Boydston^o.**
- 16:30 Research Needs to Better Understand the Influences of Wind Power Development on Wildlife in Texas. **Clint W. Boal^o.**
- 16:45 Wind Power Developments : Session Summary. **William P. Kuvlesky, Jr.^o.**
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

^o = Presenter; * = Student Presenter

SATURDAY – 101C

CONTRIBUTED PAPER SESSIONS

Monitoring and Conservation

- 09:30 National Waterbird Census in the Hashemite Kingdom of Jordan, A Review of the first years of research (2000-2007). **Laith El-Moghrabi^o, K. Al-Omari, N. Hamidan, A. El-Halah, J. Azar, and I. Hasani.**
- 09:45 The Southeastern Nightjar Survey Network: First Year Results and Future Plans. **Michael D. Wilson^o.**
- 10:00 A Strategy for Monitoring Priority Bird Species Within Bird Conservation Regions. **Robert C. Skorkowsky^o, David Klute, Paul M. Lukacs, David Hanni, and Jennifer Blakesley.**
- 10:15 Developing a Conservation Program for the Family of Hummingbirds. **Susan Wethington^o.**
- 10:30 Integrated Community-Based Harpy Eagle and Avian Conservation Program for the Maya Mountains Massif. **James A. Rotenberg^o, Wilfred W. Requena, and Jacob Marlin.**
- 10:45 **COFFEE BREAK**

Outreach and Citizen Science

- 11:15 Conservation of Avifauna in the Sierra Gorda Biosphere Reserve, México: From Environmental Education to Payment for Ecosystem Service. **Roberto Pedraza Ruiz^o.**
- 11:30 Birdwatchers are Becoming an Increasingly Important Force for Bird Conservation and Education in Mainland China. **Ximin Wang* and Dan Sivek.**
- 11:45 International Migratory Bird Day (IMBD) in Guadeloupe: A Tool for Public Education and Awareness. **Anthony Levesque^o.**
- 12:00 Activities of El Grupo Ceruleo for Conservation of the Cerulean Warbler (*Dendroica cerulea*) in its Non-Breeding Range. **David Mehlman^o and Paul B. Hamel.**
- 12:15 Borders from a Bird's-eye View: A Century of Transborder Conservation for North American Migratory Birds. **Charles C. Chester^o.**
- 12:30 **LUNCH**

The Ivory-billed Woodpecker: Tools, Techniques, and Findings in the Search for Evidence

Session Chairs: Laurie Fenwood (laurie_fenwood@fws.gov), Ron Rohrbaugh (rwr8@cornell.edu)

There are continuing questions from people about the progress of the search, related research, funding, and the status of pledged recovery efforts of the Ivory-billed Woodpecker. This session would give us an opportunity to provide information to interested participants from a wide geographic area. A 30- minute discussion at the end will address "Where do we go from here?"

- 14:00 Methodology and Results of Ivory-billed Woodpecker Searches in South Carolina. **Laurel M. Barnhill^o, M. Moskwik, T. Thom, C. Watson, J. Koches, and J. Kilgo.**
- 14:15 The Ivory-billed Woodpecker Project: Search Efforts and Findings, Partnership Development, and Outreach in the Big Woods of Arkansas (USA). **Catherine Rideout^o, Allan Mueller, S. Osborne, and M. Piorkowski.**
- 14:30 Acoustic and Digital Image Technologies for Detecting and Monitoring Ivory-billed Woodpeckers and Other Avifauna. **Ron Rohrbaugh^o, Russ Charif, A. Farnsworth, K. Goldberg, D. Song, and David Luneau.**
- 15:00 Evaluating Evidence of Persistence for Ivory-billed Woodpecker (*Campelphilus principalis*) in the Southeastern United States from 1900 to the Present. **W. Chuck Hunter^o.**
- 15:30 **COFFEE BREAK**
- 16:00 Design for a Region-wide Adaptive Search for the Ivory-billed Woodpecker with the Objective of Estimating Occupancy and Related Parameters. **Robert J. Cooper^o, Rua S. Mordecai, Brady G. Mattsson, M. J. Conroy, K. Pacifici, J. T. Peterson, and C. T. Moore.**
- 16:30 Morticulture Use for Ivory-Billed Woodpecker Habitat Improvements. **Seth W. Pearson^o, D. Zollner, and M. Melnechuk.**
- 16:45 Pileated Woodpecker Nesting Ecology in the Big Woods of Arkansas: Possible Inferences to Limiting Factors Affecting Ivory-billed Woodpecker Population Growth? **Brandon L. Noel*, James C. Bednarz, and Zachary F. Rowe.**
- 17:00 Further Evidence Suggesting that Ivory-billed Woodpeckers (*Campephilus principalis*) Exist in Florida. **Geoffrey E. Hill^o, Daniel J. Mennill, Brian R. Rolek, Rusty Ligon, James R. Hill, III, Kyle A. Swiston, Karen Odom, and Tyler L. Hicks.**
- 17:15 **DISCUSSION**
- 17:30 **DINNER**

SATURDAY – 102A

Value of Shade Coffee to Birds

Session Chair: Robert Rice (ricer@si.edu)

The concept of shaded coffee farms as viable habitat has now been around for more than a decade. But what evidence exists that farm management practices related to shade trees actually benefit birds? A number of positive connections from the management, marketing and sales of shade coffee can be drawn. This panel presents information from research, activism and marketing efforts to answer some of the questions about how and to what degree shade coffee benefits birds—and visa versa. From studies of specific species, shade gradients and certification criteria, to birds' role in pest control and consumers' role in supporting the concept, this panel will update attendees with some of the latest information and issues about the links between land stewardship, biodiversity maintenance via habitat protection, and the market place.

- 09:30 Consuming Biodiversity: The Concept of Shade Coffee as Habitat. **Robert Rice**^o.
- 09:45 Birds and Coffee, Making the Connection: Consumer Activism Through the Northwest Shade Coffee Campaign. **Kristen Kosidowski**^o.
- 10:00 A Threshold Response to Habitat Disturbance by Forest Birds in Chocó-Andean Corridor, Northwest Ecuador. **Rua S. Mordecai**^o, **Robert J. Cooper**, and **R. M. Justicia**.
- 10:15 Assessing Conservation Values in Shade-grown Coffee Landscapes: A Model for Market-based Conservation Efforts and Ecosystem Management in a Global Context. **Thomas Dietsch**^o.
- 10:30 Migratory Birds in the Coffee Producing Regions of Columbia. **Jorge E. Botero**^o, **G. Lentijo**, **A. M. López**, **D. Arbeláez**, **J. P. Gómez**, **S. Durán**, and **L. M. Sánchez**.
- 10:45 **COFFEE BREAK**
- 11:15 Epiphytes and Avian Diversity: Experimental Results from Shade Coffee. **Andrea Cruz-Angón**^o, **Russell Greenberg**, and **T. Scott Sillett**.
- 11:30 Selling Shade: The Market Side of Shade Coffee. **Randy L. Wirth**^o.
- 11:45 Pest Control as an Incentive for Bird Conservation in Coffee Plantations. **Matthew D. Johnson**^o, **Jherime Kellermann**, **Amy M. Stercho**, **Steven C. Hackett**, and **Dwight E. Robinson**.
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

Bird Conservation Strategies in the Neotropics: Examples of Model Actions for Birds

Session Chairs: Sara Lara Ines (slara@proaves.org), Constantino Auca (caucca@ecoanperu.org), Francisco Sornoza (Fsornoza@fjocotoco.org)

This session highlights some of Latin America's most successful bird conservation actions that benefit migratory and resident birds across the Americas. The eight speakers will discuss methods, successes, difficulties and recommendations for a variety of well established and innovative actions, such as community conservation, land acquisition, environmental education, public protected area management and landscape approaches. The goals of this session are to showcase programs and strategies that demonstrate measurable bird conservation success and can serve as models to be replicated in other areas.

- 14:00 The Bird Trade and Strategies to Protect the Critically Endangered Lear's Macaw in Brazil. **Eduardo Figueiredo^o and Glaucia Drummond.**
- 14:15 Community Support and Planning for Effective Action for Birds in Peru. **Constantino Auca Chutas^o.**
- 14:30 Innovations in Protecting Migrants and Threatened Birds in Colombia. **David Caro^o, Alonso Quevedo, and Sara Ines Lara.**
- 14:45 Protection of Old-Growth Forest in the Sierra Madre, Mexico. **Miguel Angel Cruz-Nieto^o and S. G. Ortíz-Machiel.**
- 15:00 Strengthening Protection of the Avifauna of the Sierra de Bahoruco National Park, Dominican Republic. **Esteban Garrido^o.**
- 15:15 Land Acquisition as a Vital Tool to Protect the Rarest Birds in Ecuador. **Francisco Sornoza^o.**
- 15:30 **COFFEE BREAK**
- 16:00 Reforestation, Public Lands Protection and Connectivity in Honduras. **Ricardo Steiner^o.**
- 16:15 Real Actions for Birds in the Neotropics – Connecting Migrants and Threatened Birds for Success. **Sara Ines Lara^o.**
- 16:30 **DISCUSSION**
- 17:30 **DINNER**

SATURDAY – 102B+C

Bridging the Gap Between Science and Management

Session Chairs: John Alexander (jda@klamathbird.org), Jaime Stephens (jlh@klamathbird.org), Geoff Geupel (ggeupel@prbo.org), Tom Will (tom_will@fws.gov)

Non-government organizations (NGOs) serve a critical role in Partners in Flight as emphasis has shifted from conservation planning to conservation implementation. With unique focus, comprehensive datasets, local expertise, and strong and diverse partners, NGOs are poised to provide the latest science to the land management tool box and work with land managers to guide conservation implementation.

Opportunities for implementing PIF conservation objectives are found within the Adaptive Management Framework of the ecosystem management paradigm that now dominates land management. The PIF approach, using focal species as indicators, provides a tool for monitoring the effectiveness of management actions. With the current emphasis on “stepping down” conservation plans to the management unit scale, bird monitoring provides a direct link between land management planning and bird conservation.

Decision Support Tools (DSTs), produced in various formats (e.g., interactive computer programs, brochures and pamphlets, white papers), use existing information to enhance decision-making through analysis and visualization of management alternatives and synthesis of available knowledge and data. Using the best available science, DST’s link priority land management challenges and bird conservation objectives in a language specific to target audiences (e.g., land management agency decision makers, private land owners).

During this symposium we will synthesize the role NGO’s play in developing the relationships necessary for getting PIF conservation plans implemented on the ground. We will provide examples of how the PIF conservation planning process is being integrated into the adaptive management process, and science is being delivered to land management decision makers who are the key to bird conservation implementation.

- 09:30 Introduction to Bridging the Gap Between Science and Management. **John Weins^o**.
- 09:45 The Unexpected Values of Multi-species Monitoring Programs to Guide Conservation. **Geoffrey R. Geupel^o, Grant Ballard, Thomas Gardali, and Nadav Nur**.
- 10:00 Addressing Regional Declines in Purple Martin Populations. **John Tautin^o, B. Cousens, K. Kostka, S. Kostka, and D. Airola**.
- 10:15 A Hierarchical Bayesian Model for Stochastic Metapopulation Viability in the Presence of Translocation. **C. K. Wikle, S. F. Bussmann, and Don R. Pitts^o**.
- 10:30 Breeding Birds on a Developed Recreational Site. **Scott R. Robinson^o**.
- 10:45 **COFFEE BREAK**

(continued next page)

Bridging the Gap Between Science and Management (continued)

- 11:15 Monitoring, Modeling, and Management of Landbird Populations on DoD Lands in North Carolina, Indiana, Kentucky, Missouri, and Texas. **Phil Nott^o, David F. DeSante, and Nicole Michel.**
- 11:30 Using Birds to Guide National Forest Management in the Sierra Nevada. **Ryan Burnett^o and Nadav Nur.**
- 11:45 Adaptive Management in Action: Three Examples from Klamath Bird Observatory and Medford District Bureau of Land Management. **Jaime L. Stephens^o and John D. Alexander.**
- 12:00 Modeling Ecological Potential for Habitat and Population Goals in the Central Hardwoods Bird Conservation Region. **Lee E. O'Brien^o, T. A. Nigh, C. D. True, and Jane A. Fitzgerald.**
- 12:15 RMBO Regional Access Node Decision Support Tool. **David Hanni^o, Rob Sparks, and Chandman Sambuu.**
- 12:30 **LUNCH**
- 14:00 Modelling Bird Habitat Using Satellite-derived Data for Area-based Habitat Conservation Plans. **Jason A. Duffe^o, R. J. Zimmerling, J. Paquette, J. Kennedy, and K. Ziemba.**
- 14:15 Novel Use of a Landbird Database to Inform Management. **Jock S. Young^o, R.F. Fletcher, and Richard L. Hutto.**
- 14:30 Developing Habitat-based Landbird Models as Planning Tools for the Golden Gate National Recreation Area and the Point Reyes National Seashore. **Thomas Gardali^o, Diana Stralberg, W. Merkle, and S. Farrell.**
- 14:45 Conservation Applications of a Bicknell's Thrush Distribution Model Built from Monitoring Data. **J. Daniel Lambert^o, and Kent P. McFarland.**
- 15:00 Information Sharing Via Decision Support Tools and the Avian Knowledge Network. **Brian L. Sullivan^o, Geoffrey R. Geupel, David Hanni, Grant Ballard, Mark P. Herzog, and Doug Moody.**
- 15:15 Evaluating Decision Support Tools for Riparian Habitat Conservation: What is Important and What is Needed? **Nathaniel E. Seavy^o.**
- 15:30 **COFFEE BREAK**
- 16:00 Engaging Educator Expertise in Decision Support Tool Delivery. **Ashley A. Dayer*, John D. Alexander, and Jaime L. Stephens.**
- 16:15 Developing Effective Decision Support Tools for Bird Conservation. **John D. Alexander^o, Tom Will, Geoffrey R. Geupel, and Jaime L. Stephens.**
- 16:30 **DISCUSSION**
- 17:30 **DINNER**

SATURDAY – 103A+B

**Ponderosa Pine Restoration: Decision Support,
Outreach, and Incentives**

Session Chairs: Daniel Casey (dcasey@abcbirds.org)

The goals of this session are: 1) To open lines of communication and develop critical thinking and synergy between PIF plans, regional and local objective-setting, and those people delivering public lands policy, management and private lands incentives programs. 2) To investigate the most effective ways of incorporating the needs of declining birds, particularly cavity-nesters, into decision processes and specific management prescriptions. 3) To learn from those who have found innovative ways of bringing together diverse interest toward common goals.

- 09:30 Biodiversity Conservation in Ponderosa Pine Forests of the Interior West: Meeting Habitat Objectives for the White-headed Woodpecker and other Dry Forest Associates. **Rex Sallabanks^o and R. Dixon.**
- 09:45 Restoration of Ponderosa Pine Habitats for Focal Bird Species in the Eastern Cascades of Washington. **William L. Gaines^o.**
- 10:00 Use of Forest Inventory and Analysis data to Estimate Past and Current Forest Area of Ponderosa Pine and Jeffrey Pine for Assessing Flammulated Owl Breeding Habitat in the United States. **Mark D. Nelson^o, David Johnson, Brian Linkhart, and Patrick Miles.**
- 10:15 Flammulated Owls and Citizen Science. **Amy Cilimburg^o.**
- 10:30 Outreach and Habitat Management on Private Family Forest Ponderosa Pine Habitat for Regional Conservation of Cavity-nesting Birds. **Bob Altman^o, Daniel Casey, and Drue Deberry.**
- 10:45 **COFFEE BREAK**
- 11:15 Nest-site Attributes and Reproductive Success of White-headed and Hairy Woodpeckers Along the East-slope Cascades of Washington State. **Jeffrey M. Kozma^o.**
- 11:30 Using Citizen Science and Nest Boxes for Lewis's Woodpecker Conservation in Ponderosa Pine Habitat in Central Oregon. **Diane Kook^o.**
- 11:45 Balancing Habitat Management for Northern Spotted Owls and Other Bird Species in Ponderosa Pine Forests. **Joe B. Buchanan^o.**
- 12:00 **DISCUSSION**
- 12:30 **LUNCH**

Education as a Strategy for Creating a Bird Conservation-Oriented Society

Session Chairs: Marc LeFebre (marcLCEE@aol.com), Rick Bonney (reb5@cornell.edu)

In February, 2007, CEE and Flying WILD hosted "Bird Conservation through Education: A National Gathering." Conference participants established two resolutions to help guide the development of a national, coordinated strategy to promote education about the conservation needs of birds. The first was a call for support to agencies and organizations for emphasizing education about birds. The second resolution "... recommend that a comprehensive plan for education about birds and their conservation be developed, and that this plan set priorities and recommend the most practical and effective strategy for implementing a dynamic program of bird education."

Since the meeting, discussion continues, largely via a bird education list serve, birdedlist@flyingwild.org. In July of 2007, a bird education working group met in Denver to identify needs and set priority goals for bird education. This session will review the results of the Denver meeting, the necessary steps identified in developing a comprehensive plan for bird education and the progress to date toward completing those steps.

- 14:00 Working Towards a Bird Literate and Bird Conservation-Oriented Society. **Kenn Kaufman^o and Kimberly Kaufman.**
- 15:00 Threats to Birds: the Biological and Social Issues. **Paul J. Baicich^o.**
- 15:15 The Birth of BEN (the Bird Education Network): A New Chapter in Bird Conservation. **Josetta Hawthorne and Marc LeFebre^o.**
- 15:30 **COFFEE BREAK**
- 16:00 A National Strategy for Bird Conservation through Education. **Rick Bonney^o.**
- 16:15 A Toolkit for Achieving Conservation Through Education. **Judy Braus and Robert Petty^o.**
- 16:30 The Academic and Developmental Benefits of Birding. **Dave Magpiong^o.**
- 16:45 Promoting Protection through Pride. **Paul John Butler^o.**
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

SATURDAY – 103C

Forest Management for Bird Conservation

Session Chairs: Dan Twedt (dtwedt@usgs.gov)

Management of forests on conservation lands (public and private) is increasingly viewed as a method by which the quality of these habitats can be improved for priority bird species. Although historically bird response to forest management has been monitored as a response (often negative) to extraction of forest products (e.g., timber or pulpwood), this session focuses on positive avian response within forests that have been silviculturally manipulated to benefit birds and other wildlife species. Land managers should expect specific recommendations regarding forest conditions that are deemed to benefit bird species of conservation concern.

- 09:30 Bird Response to Silviculture Induced Change in Forest Structure within Bottomland Hardwood Forests. **Dan J. Twedt^o and Scott G. Somershoe.**
- 09:45 Effects of Thinning to Increase Stand Structural Complexity on Priority Songbirds in Upland Oak-Hickory Forests. **Benjamin S. Thatcher^o and David A. Buehler.**
- 10:00 Avian Community Response to Spatial Patterns Created by Gap-based Silviculture. **Lisa A. Schulte^o, R. C. Atwell, and B. J. Palik.**
- 10:15 Providing Habitat for Birds in Managed Conifer Forests of the Pacific Northwest. **Joan C. Hagar^o and Bob Altman.**
- 10:30 Understory Bird Community Responses to Non-mechanized Selective Logging in Neotropical Forests. **Nico Dauphiné* and Robert J. Cooper.**
- 10:45 **COFFEE BREAK**
- 11:15 Development and Evaluation of Coarse-filter Policy Options for the Conservation of Forest Songbird Communities. **Rob Rempel^o.**
- 11:30 Monitoring Change in Forest Structure and Avian Response to Forest Management at the BCR Landscape Scale. **Randy Wilson^o.**
- 11:45 **DISCUSSION**
- 12:30 **LUNCH**

^o = Presenter; * = Student Presenter

Species Assessment for Conservation Risk**Session Chairs:** Greg Butcher (gbutcher@audubon.org)

Species assessment has been practiced for decades, often leading to lists that express conservation priorities. In North America, we have focused on population size, range size, threats, and population trend to assess extinction risk. Although there is great agreement on how to approach species assessment, there are also many differences in how it is carried out, resulting in differing assessments, different lists, and a lot of confusion about what the true species conservation priorities ought to be. We owe it to our friends and our cause to unify our efforts and to create a stronger message about bird conservation priorities at global, continental, national, regional, and state levels. We hope to begin a process at this meeting that could lead to more unified species assessments in the future.

- 14:00 The Mexican Bird Species Assessment. **Humberto Berlanga^o, E. Inigo, Hector Gomez de Silva, and Arvind Panjabi.**
- 14:15 A Comparison of Species Assessment Methods Applied to Birds in Canada. **Peter J. Blancher^o.**
- 14:30 Assessing Threatened Species in South America. **Bennett Hennessey^o.**
- 14:45 Assessing Conservation Status of Waterbirds: A Tool for Resource Managers. **Katharine C. Parsons^o and Jennifer A. Wheeler.**
- 15:00 Shorebird, Waterbird, and Landbird Prioritization for Conservation Action in the Gulf Coast Joint Venture Region. **Bill G. Vermillion^o and J. Brent Ortego.**
- 15:15 Revising New Hampshire's List of Threatened and Endangered Species. **Pamela D. Hunt^o, Steven G. Fuller, and John J. Kanter.**
- 15:30 **COFFEE BREAK**
- 16:00 Issues Related to Population Trend Assessments. **Greg Butcher^o and D. K. Niven.**
- 16:15 Treatment of Threats in Status Assessment Schemes. **Arvind Panjabi^o.**
- 16:30 Towards a Standardized Threats Taxonomy. **David Mehlman^o.**
- 16:45 Incorporating Information on Population Trends and Threats into Assessments of Extinction Risk: Recent and Proposed Developments in the IUCN Red List. **Stuart Butchart^o.**
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

SATURDAY – 103D

CONTRIBUTED PAPER SESSIONS

Habitat and Bird Populations

- 09:30 Mercury in Neotropical Migrants – First-time Comparisons Between Temperate and Tropical Zones. **David C. Evers^o, Melissa Duron, D. A. Cristol, G. Boese, R. Cal, V. Piaskowski, R. Reneau, S. Reneau, M. Teul, and D. Tzul.**
- 09:45 Habitat Fragmentation and Genetic Diversity of an Endangered, Migratory Songbird, the Golden-cheeked Warbler (*Dendroica chrysoparia*). **Denise L. Lindsay^o, K. R. Barr, R. F. Lance, and P. L. Leberg.**
- 10:00 Habitat Use and Population Trends of Audubon's Oriole in the Lower Rio Grande of Texas. **Timothy Brush^o and S. G. Monk.**
- 10:15 The Role of Cerrado in Eastern Bolivia as a Wintering Habitat for Migratory Birds. **Alex E. Jahn*, D. J. Levey, and A. M. Mamani.**
- 10:30 Potential Effects of Hemlock Decline on Acadian Flycatcher (*Empidonax virescens*) Populations in the Northeastern U.S. **Michael C. Allen*, Jim Sheehan, Jr., and Terry Master.**
- 10:45 **COFFEE BREAK**

Effects of Habitat Changes and Manipulation on Bird Populations

- 11:15 Multi-scale Effects of Habitat Restoration on Sagebrush-steppe Obligate Birds. **Russell E. Norvell*, Tom C. Edwards and Frank P. Howe.**
- 11:30 Effects of Site Preparation on Breeding Birds in Early Successional LA Pine Plantations. **Antionette Taylor*, Philip C. Stouffer and M. J. Chamberlain.**
- 11:45 Status of Experimental Fungal Inoculations to Establish Heart-rot and Promote Cavity Nests and Wildlife Habitat in Managed Forests in Washington. **James C. Bednarz^o, M. J. Huss, T. J. Benson, and D. L. Varland.**
- 12:00 Lessons Learned from Prescribed Fire in Ponderosa Pine Forests of the Southern Sierra Nevada. **Karen Bagne^o and Kathryn Purcell.**
- 12:15 Effects of Burning on Henslow's Sparrow Density and Habitat Quality in Louisiana. **Laura M. Palasz* and Phillip C. Stouffer.**
- 12:30 **LUNCH**

Opportunities and Challenges to Bird Conservation on Private Working Lands

Session Chairs: Bill Hohman (William.Hohman@ftw.usda.gov), Debbie Hahn (dhahn@fishwildlife.org)

The purposes of this session would be to (1) increase audience awareness of the importance of private lands for birds and private land initiatives, and (2) identify barriers to implementing bird conservation measures on working lands. Participants might include USDA conservation program managers and technical specialists, government and nongovernment partner organizations, other NGOs active on private lands, bird conservation planners, avian researchers, and landowners.

- 14:00 Conserving Birds on Private Lands – A National Perspective. **Debbie Hahn^o**.
- 14:15 Working with Private Producers for Grassland Bird Conservation. **Tammy VerCauteren^o and Seth Gallagher**.
- 14:30 The Nature Conservancy and private lands bird conservation in the Great Plains. **Brian Martin^o and Bob McCready**.
- 14:45 Opportunities and Challenges to Full Consideration of Birds on Private Working Lands. **William L. Hohman^o**.
- 15:00 Northern Bobwhite Conservation Initiative: Working Multiple Fronts in Bird Conservation. **Mark D. Smith^o, D. Godwin, Don McKenzie, and L. Wes Burger, Jr.**
- 15:15 Approaching Conservation with Private Landowner Working Groups in the Playa Lakes Joint Venture. **Christopher M. Rustay^o and Michael F. Carter**.
- 15:30 **COFFEE BREAK**
- 16:00 Grassland Bird Conservation in the Northeastern US: Management Opportunities in a Dynamic Agricultural Landscape. **Alan M. Strong^o and N. G. Perlut**.
- 16:15 A Corporate Campaign for Migratory Birds? Making the Shift Towards Collaboration with Industry. **Marcia Maslonek^o**.
- 16:30 Birds and Agriculture in the Northern Tallgrass Prairie Eco-region: Can We Have Our Cake and Eat It Too? **James A. Thompson^o**.
- 16:45 Engaging Owners of Working Lands in Bird Conservation: Perspectives from Audubon Projects. **Tess Present^o**.
- 17:00 **DISCUSSION**
- 17:30 **DINNER**

SATURDAY – BALLROOM C+D

Implementing Improvements in Avian Monitoring for Conservation

Session Chairs: Dan Lambert (dlambert@abcbirds.org), Bob Cooper (rcooper@smokey.forestry.uga.edu), Rua Mordecai (rua@uga.edu), Ken Rosenberg (kvr2@cornell.edu)

In February of 2007, the US NABCI Monitoring Subcommittee published a report calling for improvements in the effectiveness, scope, utility, and efficiency of bird monitoring. Presentations in this session will address three of the report's main goals: integrate monitoring into bird management and conservation; coordinate monitoring programs among organizations and across spatial scales; and improve statistical design. Discussions will be interspersed with talks.

- 09:30 Opportunities for Improving Avian Monitoring. **Paul R. Schmidt^o, Beatrice Van Horne, and Debbie Hahn.**
- 09:45 Monitoring for Adaptive Management. **Paul R. Schmidt^o.**
- 10:00 Monitoring for Multiple Objectives in the Mississippi Alluvial Valley. **Randy Wilson^o.**
- 10:15 Integrated Population Monitoring in the United Kingdom. **Stephen Ballie^o.**
- 10:30 Closing the Loop: Connecting Monitoring, Management, and Outreach in the Chocó-Andean Corridor, Northwest Ecuador. **Rua S. Mordecai^o, K. A. Mordecai, Robert J. Cooper, and R. M. Justicia.**
- 10:45 **COFFEE BREAK**
- 11:15 Discussion: Integrating Monitoring into Bird Management and Conservation Practices. **Kenneth V. Rosenberg.**
- 11:45 Practical Approaches to Coordinated Bird Monitoring: Experiences from the Northeast. **J. Daniel Lambert^o, Kenneth V. Rosenberg, David N. Pashley, Randy Dettmers, Tom P. Hodgman, S. Brown, S. Schmidt, and Katharine Parsons.**
- 12:00 State-level Coordination of All-bird Monitoring: the Idaho Bird Inventory and Survey (IBIS). **Rex Sallabanks^o and Colleen Moulton.**
- 12:15 Coordinating Across Scales: Building a Regional Marsh Bird Monitoring Program from National and State Initiatives. **Greg W. Shriver^o and John R. Sauer.**
- 12:30 **LUNCH**

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Implementing Improvements in Avian Monitoring for Conservation (continued)

- 14:00 Discussion: State, Regional, and National Coordination. **David Pashley (Facilitator)**.
- 14:30 Hierarchical Models, the North American Breeding Bird Survey, and Estimation of Attributes Relevant to Management. **John R. Sauer^o and W. A. Link**.
- 14:45 Monitoring with a Conservation Goal: Principles and Practice of Raptor Migration Monitoring. **Ernesto Ruelas Inzunza^o and David J. T. Hussell**.
- 15:00 The Detectability Dilemma: Hedging Bets in the Absence of Consensus. **Melinda Knutson^o, N. P. Danz, and B. Route**.
- 15:15 Occupancy Modeling as a Framework for Designing Monitoring Programs: A Case Study on Streamside Birds in the Eastern Rivers and Mountains Network. **Brady J. Mattsson^o**.
- 16:00 Discussion: Improvements in Statistical Design. **Robert J. Cooper (Facilitator)**.
- 16:30 A Critical Assessment of Current Monitoring Programs. **Beatrice Van Horne and Paul Schmidt^o**.
- 16:45 Discussion. **Paul R. Schmidt (Facilitator)**.
- 17:30 **DINNER**

Author and Chair Index

Authors and Session Chairs are listed with the session in which they appear (including as secondary authors). Session locations are coded by Day-Time-Room, or listed in the Poster session for Thursday night.

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Rooms: 101A=1A; 101B=1B; 101C=1C; 102A=2A; 102B+C=2BC; 103A+B=3AB; 103C=3C; 103D=3D; Ballroom
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Atwell, R. C.....	S-AM-3C	Boal, Clint	S-AM-1C
Aucca Chutas, Constantino.....	S-AM-2A	Boese, G.....	S-AM-3D
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Avendaño, C.....	T-PM-3D	Bonfield, Sue	Poster, F-AM-1C, F-PM-1C
Avery, Michael L.....	S-AM-1B	Bonney, Rick	S-AM-3AB
Azar, J.	S-AM-1C	Bonter, David N.	F-AM-3AB
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Ball, Jeffrey R.....	Poster, F-AM-2A	Brennan, Leonard A.	S-AM-1C
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	S-AP-2BC	Hahn, Debbie	F-AM-1A, F-AM-1B, S-AM-3D
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Herrera, Néstor	T-PM-3D	Justicia, R. M.	S-AM-2A, S-AP-BallCD
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Martin, Elizabeth	T-PM-2BC	Nelson, Mark D.	S-AM-3AB
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Ortiz von Halle, Bernardo.....	F-PM-1A	Raymundo, Angeles A.....	Poster
Ortiz, S. L.....	T-PM-3D	Reddy, M.....	T-PM-3AB
Ortíz-Machiel, S. G.....	T-PM-1C, S-AM-2A	Reel, Susan.....	F-PM-1C, S-AM-1A
Osborne, S.....	S-AM-1C	Reitsma, L. R.....	F-AM-3C
Ostermeier, D.....	F-PM-1C	Rempel, Rob.....	F-AP-BallCD, S-AM-3C
O'Sullivan, T. O.....	T-PM-3AB	Reneau, R.....	S-AM-3D
Ott, A.....	Poster	Reneau, S.....	S-AM-3D
Ozdenerol, Esra.....	Poster	Requena, Wilfred W.....	S-AM-1C
Pacifici, K.....	S-AM-1A, S-AM-1C	Reynolds, Ronald E.....	T-PM-2BC, F-AP-BallCD
Palasz, Laura M.....	S-AM-3D	Rhahmig, Troy.....	Poster
Palik, B. J.....	S-AM-3C	Rice, Robert.....	S-AM-2A
Panjabi, Arvind.....	T-PM-1C, F-PM-3C, S-AM-3C	Rich, Terry D.....	F-AM-2BC
Paquette, J.....	S-AP-2BC	Rideout, Catherine.....	S-AM-1C
Parera, Anibal.....	T-PM-BallCD, F-PM-3C	Ridgely, Bob.....	T-PM-1C
Parrish, Jimmie R.....	Poster	Rimmer, Christopher C.....	Poster, F-AM-3C
Parsons, Katharine C.....	S-AM-3C, S-AP-BallCD	Ríos-Muñoz, César A.....	F-AM-1B
Pashley, David.....	F-AM-3C, F-PM-2A, S-AM-1A	Ripper, Dana.....	Poster
.....	S-AP-BallCD	Rivadeneira, Mercedes.....	T-PM-1C
Paul, D.....	T-PM-BallCD	Rivera-Milan, Frank.....	F-PM-2A
Paulios, Andy.....	F-AM-1A	Roberts, Dan.....	Poster
Pearson, Seth.....	S-AM-1C	Robinson, Dwight E.....	S-AM-2A
Pedraza Ruiz, Roberto.....	S-AM-1C	Robinson, Scott.....	S-AP-2BC
Pennington, Derric.....	Poster	Rodríguez Meza, R.....	Poster
Peresbarbosa Rojas, Elisa.....	Poster	Rodriguez, V.....	Poster
Peresbarbosa Rojas, Elisa.....	Poster, T-PM-1C,	Rodríguez, Vicente.....	T-PM-2BC
.....	T-PM-3D	Rodriguez, Wilfredo.....	T-PM-3D
Pérez, Alina.....	Poster	Rohani, P.....	F-PM-2B
Perez, C. E.....	T-PM-1A	Rohrbaugh, Ron.....	S-AM-1C
Pérez, M. M.....	T-PM-3D	Rojas-Soto, Octavio R.....	Poster
Perez, Robert M.....	S-AM-1C	Rojo, Ariel.....	F-PM-1A
Perlut, N. G.....	S-AM-3D	Rolek, Brian R.....	S-AM-1C
Perrigo, Glenn.....	S-AM-1C	Rollins, MaryClare R.....	Poster
Peterjohn, Bruce.....	Poster	Root, Terry L.....	F-AM-1B
Peterjohn, Bruce.....	T-PM-2BC	Rosenberg, Kenneth V.....	F-AM-3C, F-PM-2A
Peterson, J. T.....	S-AM-1C	S-AP-BallCD
Petty, Robert.....	F-PM-1C, S-AM-3AB	Rotenberg, James A.....	Poster, S-AM-1C
Phillips, Tina.....	F-AM-3AB	Roth, A.....	F-PM-2A
Piaskowski, V.....	S-AM-3D	Roth, Dana.....	Poster
Pidgeon, Anna M.....	Poster	Rothman, Andrew.....	S-AM-1A
Pigeon, Alejandro.....	Poster	Route, B.....	S-AP-BallCD
Pineda, L.....	T-PM-3D	Rowe, Zachary F.....	S-AM-1C
Piorkowski, M.....	S-AM-1C	Ruan, Irma.....	Poster
Pitkin, Melissa.....	F-AM-1C, F-PM-1C	Ruelas Inzunza, Ernesto.....	Poster, T-PM-3D
Pitts, Don.....	S-AP-2BC	S-AP-BallCD
Plante, Shelly.....	F-PM-1C	Ruiz Meléndez, Antonio.....	T-PM-3D
Plavsic, Mila.....	T-PM-1A	Ruiz, Georgita.....	Poster
Pollock, K. H.....	S-AM-1A	Ruíz-Aymá, Gabriel.....	Poster
Portillo, I. R.....	T-PM-3D	Rush, Scott A.....	Poster, F-PM-2B, F-PM-3AB
Poulton, V.....	T-PM-1A	Russell, David E.....	Poster

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Russell, Jill M.	Poster	Smith, Dave	T-PM-3AB
Russell, Robert P.	F-PM-3AB	Smith, Joseph	T-PM-3D, F-AM-3C
Rustay, Christopher M.	F-PM-2A, S-AM-3D	Smith, K. G.	Poster, T-PM-3C
Ruvalcaba-Ortega, Irene	Poster, F-PM-3C	Smith, Mark D.	S-AM-3D
Ryan, Doug	T-PM-BallCD	Smyth, S.	T-PM-3C
Salaman, Paul	Poster, F-AM-1A, F-AM-3C	Sneary, Martin	T-PM-2BC
Salas, Leo	F-AM-2BC	Soehren, E. C.	F-PM-3AB
Sallabanks, Rex	F-AM-3D, S-AM-3AB, S-AP-BallCD	Somershoe, Scott G.	Poster, S-AM-3C
Salsbury, Karen	F-AM-1C	Song, D.	S-AM-1C
Sambuu, Chandman	S-AP-2BC	Sorenson, Lisa G.	F-AM-1B
Sánchez, C.	F-PM-1B	Sornoza, Francisco	S-AM-2A
Sanchez, Connie	T-PM-1B, F-PM-1B	Sparks, Rob	S-AP-2BC
Sánchez, J. E.	F-PM-1B	Spragens, Kyle	F-PM-3D
Sánchez, L. M.	S-AM-2A	Sprong, E.	F-AM-1C
Sanchez, S.	F-PM-2B	Stanton, J.	F-AP-BallCD
Sánchez-González, Luis A.	F-AM-1B	Steiner, Ricardo	S-AM-2A
Sánchez-Saldaña, María Elena	F-PM-1A	Stelfox, B.	T-PM-3C
Sandercok, Brett K.	Poster	Stephens, Jaime L.	F-AM-2BC, S-AP-2BC
Sandoval, L.	F-PM-1B	Stercho, Amy M.	S-AM-2A
Santana Castellón, Eduardo	Poster, T-PM-1C	Stewart, Bill.	F-AM-3AB
Saracco, James F.	T-PM-3D, F-AM-2BC, S-AM-1A	Stewart, Gary R.	T-PM-3C
Sauer, A.	Poster	Stockenberg, Erin	F-PM-2A
Sauer, John R.	F-PM-3C, S-AP-BallCD	Stouffer, Philip C.	S-AM-3D
Savard, Jean-Pierre L.	S-AM-1B	Stralberg, Diana	F-PM-2A, F-PM-3AB, F-PM-3AB
Scheuermann, K. L.	T-PM-3D	Straub, R.	T-PM-3D
Schlitter, Duane A.	F-AM-1A	Strong, Alan M.	S-AM-3D
Schmerfeld, J.	Poster	Strum, Khara M.	Poster
Schmidt, Paul R.	S-AP-BallCD	Sullivan, Brian L.	T-PM-2B, CF-AM-2BC, S-AP-2BC
Schmiegelow, Fiona	F-AM-2A	Summers, S.	Poster
Schmitt, Beatriz	T-PM-3D	Sussman, A.	Poster
Schoch, N.	Poster	Sutherland, Todd	T-PM-2BC
Schondube, Jorge E.	Poster	Sutton, Ann	Poster
Schooley, R. L.	S-AP-2BC	Svingen, Dan	F-PM-3C
Schroeder, Darin	F-AM-3AB	Swallow-tailed Kite Conservation Alliance c/o Gina Zimmerman	Poster
Schuetz, Justin G.	Poster	Swiston, Kyle A.	S-AM-1C
Schulte, Lisa A.	S-AM-3C	Tautin, John	S-AP-2BC
Schultz, Caroline	T-PM-3C	Taylor, Antoinette	S-AM-3D
Schwartz, Jesse	Poster	Taylor, Gary	F-AM-1B
Schweitzer, Sarah H.	F-PM-3AB	Taylor, R.	Poster
Seamans, Mark	F-PM-3AB	Tejeda-Cruz, C.	Poster
Seavy, Nathaniel E.	S-AP-2BC	Tenez, Daniel	Poster
Sedgley, Adam	F-AM-3AB	Teul, M.	S-AM-3D
Shackelford, Clifford E.	Poster, F-PM-1C	Thatcher, Benjamin S.	S-AM-3C
Shaw, D.	S-AM-1B	Thogmartin, Wayne	F-AP-BallCD, F-PM-2A
Sheehan, Jim	T-PM-1B, F-PM-1B, S-AM-3D	Thom, T.	S-AM-1C
Shriver, Greg W.	F-PM-3AB, S-AP-BallCD	Thompson, Craig	F-AM-1A
Sillett, T. Scott	S-AM-2A	Thompson, Frank R.	F-AP-BallCD, F-PM-2A
Silva-Gamez, Jesús	F-PM-1A	S-AM-1A
Simons, Theodore R.	S-AM-1A	Thompson, James A.	S-AM-3D
Sinclair, Jim	S-AM-1C	Thompson, Sarah Grace	Poster
Sivek, Dan	S-AM-1C	Tirpak, John M.	T-PM-2BC, F-AP-BallCD, F-PM-2A
Skorkowsky, Robert	Poster, S-AM-1C	Tolosa, M.	F-AM-1A
Slattery, Stuart	T-PM-3C, S-AM-1B	Tomas, S.	S-AM-1A
Slay, Christy M.	Poster	Tomosy, Monica	Poster
Slobe, Debbie F.	F-AM-3D, F-PM-1C	Toombs, T.	Poster
Smalling, Curtis	F-PM-1B	Torres, M.	T-PM-3D
Smith, Brian	S-AM-1A	Townsend, Jason M.	F-AM-3C
Smith, C. G.	Poster		

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Trefry, Helen E.	Poster	Wheeler, Jennifer A.	F-PM-3AB, S-AM-3C
Trollinger, Jeffrey B.	S-AM-1A	Whiffen, Helen J.-H.	T-PM-2BC
True, C. D.	S-AP-2BC	White, Hillary M.	Poster
Tucker, J. W.	F-PM-2B	White, J. D.	F-AM-3C
Twedt, Dan J.	F-AP-BallCD, F-PM-2A, S-AM-3C	White, James B.	Poster
Tweti, Mira	Poster, F-PM-1A	Whitfield, Mary J.	Poster
Tzul, D.	S-AM-3D	Whitney, Paul	Poster
Uihlein, Bill W.	T-PM-2B, CF-AP-BallCD, F-PM-2A	Wiens, John	S-AP-2BC
Uyehara, Kimberly J.	T-PM-3AB	Wiens, Trevor S.	F-AM-2A
Valdez-Gómez, Héctor E.	Poster	Wiggers, Ernie P.	F-PM-3AB
Valenzuela, P.	Poster	Wikle, C. K.	S-AP-2BC
Valle, H.	F-AM-1A	Will, Tom.	F-AM-1A, F-AM-3C, F-PM-2A, S-AP-2BC
Van Horne, Beatrice	S-AP-BallCD	Williams, Emily J.	F-AM-3D
van Riper, Charles	F-PM-3D	Williams, Steve G.	Poster
Varland, D. L.	S-AM-3D	Williamson, Scot J.	T-PM-3AB
Vega, Xico	T-PM-1C, F-PM-3D, T-PM-BallCD	Wilson, Michael D.	S-AM-1C
VerCauteren, Tammy L.	Poster, T-PM-3AB S-AM-3D	Wilson, Randy	S-AM-1B, S-AM-3C, S-AP-BallCD
Verdugo, Heriberto	Poster	Wimer, Mark	Poster, T-PM-2BC
Vermillion, Bill.	F-PM-3AB, S-AM-3C	Wipf, Missy	F-AM-1C
Verner, Lou.	S-AM-1A	Wirth, Randy L.	S-AM-2A
Vidal, Rosa Maria	T-PM-1B, F-PM-1B, T-PM-BallCD	Wood, Christopher L.	T-PM-2BC
Vilella, Francisco J.	F-PM-3D	Wood, Eric	Poster
Villa-Bonilla, Bernardino	Poster	Woodrey, Mark S.	F-PM-2B, F-PM-3AB
Villalpando, Nohemí	Poster	Wunderle, J. M.	F-AM-3C
Villar, Carlos	T-PM-BallCD	Yamashita, Carlos	F-PM-1A
Villegas Patraca, Rafael	T-PM-1A	Yanosky, Alberto	T-PM-1B, T-PM-BallCD
Vogt, Allison	F-AP-BallCD	York, S.	F-AM-1C
Vukovich, Mark A.	Poster	Young, Bruce E.	T-PM-2BC
Walker, Wayne W.	S-AM-1C	Young, D.	T-PM-1A
Wang, Ximin	S-AM-1C	Young, Jock S.	S-AP-2BC
Warnock, Nils	F-PM-3AB	Zaccagnini, María Elena	Poster
Washburn, B. E.	Poster	Zebehazy, Laura	Poster
Watson, C.	S-AM-1C	Ziemba, K.	S-AP-2BC
Weigand, James	Poster	Zimmerling, R. J.	S-AP-2BC
Wells, Jeff V.	T-PM-3C	Zimmerman, Bonnie	F-PM-1A
Welton, Melinda J.	Poster	Zollner, D.	S-AM-1C
Westra, John V.	Poster	Zolotoff-Pallais, José M.	T-PM-3D, T-PM-BallCD
Wethington, Susan	S-AM-1C	Zook, J.	F-PM-1B
Wetroth, J. M.	S-AM-1A		

PARTNERS IN FLIGHT MISSION

The Partners in Flight mission is expressed in three related concepts:

- ▶ **Helping Species at Risk** – Species must be conserved before they become imperiled. Allowing species to become threatened or endangered results in long-term and costly recovery efforts whose success is far from guaranteed. Endangered species must not only be protected from extinction but must be recovered to once again play their roles in ensuring the future of healthy ecosystems.
- ▶ **Keeping Common Birds Common** – Common native birds, both resident and migratory, must remain common throughout their natural ranges. These species comprise the core of our avian diversity and are integral to the integrity of the ecosystems of which they are a part.
- ▶ **Voluntary Partnerships for Birds, Habitats and People** – Conservation of landbirds and their habitats is not a task that can be undertaken alone. Partnerships must be formed with others who are working for conservation on the same landscapes as well as those who depend on those landscapes for their economic and social well-being. The conservation of natural systems is fundamentally necessary for life on earth, including that of humans.

PARTNERS IN FLIGHT GOALS

Success in the conservation of North America's landbird avifauna will require that Partners in Flight meet the following overarching goals:

- ▶ Ensure an active scientifically-based conservation design process that identifies and develops solutions to threats and risks to landbird populations.
- ▶ Create a coordinated network of conservation partners implementing the objectives of the landbird conservation plans at multiple scales.
- ▶ Secure sufficient commitment and resources to support vigorous implementation of landbird conservation objectives.



www.PartnersInFlight.org

