

Sun 12 JUL 2009

Official opening 08:30-09:00

Meeting-room:103-105

Plenary Session: Mr.

Chair: Mr. Guangmei Zheng

Meeting-room:103-105

09:00-10:00

Title:

Symposium:Applying the IUCN Best Practice Guidelines for Gap Analysis into Private and Public Sector

Engagement: Tools, Opportunities and Experiences, 68447

Organised by: Conrad E Savy, Jeffrey A. McNeely

Meeting room:73

IUCN's Best Practice Protected Areas guidelines for gap analysis, based on over 20 years of testing and application in over 170 countries and territories, outline a practical approach to identifying and mapping globally important sites for biodiversity. These sites, known as key biodiversity areas, build upon the work of a number of existing partnership-supported initiatives - such as BirdLife International's Important Bird Areas, PlantLife International's Important Plant Areas, IUCN's Important Sites for Freshwater Biodiversity and sites identified by the Alliance for Zero Extinction - to map important sites for a wide range of critical biodiversity in marine, freshwater and terrestrial biomes. These sites represent priorities for protection at local, national and international levels and are likely to possess significant social, economic or cultural value to local communities. These factors contribute to a strong foundation and potential for ensuring sustainable management of natural resources through practices that integrate conservation needs and development priorities. The practical value of the IUCN best practice guidelines is already reinforced by numerous laws, policies and environmental safeguards around the criteria for defining critical habitats and important sites for biodiversity conservation. This symposium will showcase existing experiences, highlight opportunities and present new tools which support practical decision-making in the public and private sector.

10:30-12:30

Symposium: Wildlife diseases and biodiversity, 72279

Organised by: Hongxuan He, Key Lab of Animal Ecology and Conservation Biology, Institute of Zoology, Chinese Academy of Sciences; Yung-fu Chang, Department of Population Medicine & Diagnostic Sciences, College of Veterinary Medicine, Cornell University

Meeting room: 77

Climate warming can affect biodiversity and increase pathogen development and survival rates, disease transmission, and host susceptibility. Infectious diseases, especially wildlife borne EIDs, can cause rapid population declines or species extinctions. Avian influenza is a typical example about EIDs and biodiversity. HPAI H5N1 viruses can infect over 80 % of known bird species, including migratory and non migratory ones which would be at risk with members of the crow family and vultures of particular concern. Meanwhile, H5N1 viruses can infect wildlife animals include rabbits, primates, viverrids, mustelids, polecats, stoats, weasels and wolverines. Infection and spread of avian influenza could break the balance of nature, so as to biological diversity. The loss of predators from some habitats, victims of the infection, could trigger an explosion of pests like mice and rats. This may trigger a rise in other human and animal infections as well as damage the prospects for other wildlife. A healthy environment can act as a buffer against old and the emergence of new diseases whereas a degraded one favors the spread of infections. In order to cope with outbreak of EIDs especially wildlife born diseases (Avian Influenza) and protect biodiversity under the global climate changes, we should cooperate for multilateral concern issue so as to establish early warning system and effective control about wildlife EID. In this symposium, we will synthesize existing knowledge of threat with wildlife EIDs and conservation for biological diversity.

10:30-10:45 Hidden threat of leptospirosis: An emerging zoonotic pathogen

Yung-Fu Chang

10:45-11:00 Rabies in the world

Gang Li

11:15-11:30 Wildlife diseases in China

Hongxuan He

11:30-11:45 Spatial transmission and epidemiological dynamics of the novel influenza A(H1N1)

Xinhai Li

11:45-12:00 Prevalence and Molecular Characterization of *Cryptosporidium* spp. in Wild, Laboratory, and

Pet Rodents in China

Jianhe Hu

12:00-12:15 Congti Tang

12:15-12:30 Discussion

Indigenous knowledge and conservation

Moderator:

Meeting-room:87

10:30-10:45 315129 WILDLIFE POACHING, LIVELIHOOD AND CONSERVATION-A CASE STUDY OF GILHARA TRIBES AT INDO-NEPAL BORDER

Rohit Singh

10:45-11:00 315254 USING TRADITIONAL KNOWLEDGE WITH SCIENCE: VOICES OF THE CARIBOU PEOPLE

Archana Bali, Gary Kofinas

11:00-11:15 315154 USING TRADITIONAL ECOLOGICAL KNOWLEDGE TO DESIGN AN IN-SITU PHILIPPINE CROCODILE CONSERVATION PROGRAM

Jan van der Ploeg, Merlijn van Weerd

11:15-11:30 364703 THE SACRED AND THE SCIENTIFIC: LINKING BIODIVERSITY VALUE WITH CULTURAL VALUE IN SELECTING PRIORITY SITES FOR CONSERVATION

Naamal Kaushalya De Silva, Matthew N Foster, Amy Upgren, David H Knox

11:30-11:45 366531 THE ROLE OF COMMUNITY-BASED NATURAL RESOURCE MANAGEMENT IN SHAPING INDIGENOUS WILDLIFE VALUE ORIENTATIONS AND QUALITY OF LIFE IN NAMIBIA

Harry C Zinn, Alfons Wahabe Mosimane, Duarte Morais

11:45-12:00 314513 SPATIAL DISTRIBUTION OF ASIATIC BLACK BEAR AND BEAR-HUMAN CONFLICTS IN SOUTHWESTERN CHINA

Fang Liu, William McShea, David L Garshelis, Xiaojian Zhu, Dajun Wang, Ji'en Gong

12:00-12:15 306263 MODELING THE LONG-TERM SUSTAINABILITY OF INDIGENOUS HUNTING IN MANU NATIONAL PARK, PERU: LANDSCAPE-SCALE MANAGEMENT IMPLICATIONS FOR AMAZONIA

Taal Levi, Glenn H. Shepard, Julia Ohl-Schacherer, Carlos A. Peres, Douglas W Yu

12:15-12:30 315656 NON-USE OF PRIMARY FORESTS FOR MEDICINAL PLANTS BY HIGHLAND MAYA IN CHIAPAS, MEXICO

Rick Stepp

Conservation capacity building

Moderator:

Meeting-room:88

10:30-10:45 315242 CREATING A CONSERVATION WITH CHINESE CHARACTERISTICS

Jianchu Xu, Robert Edward Grumbine

10:45-11:00 315281 EVALUATING SPECIES THROUGH CAMP AND PHVA WORKSHOPS: CASE STUDY OF
NEOTROPICAL PRIMATES

Ernesto Rodríguez-Luna, Aralisa Shedden-González, Brenda Solórzano-García

11:00-11:15 315308 STUDY AND CONSERVATION OF BIODIVERSITY IN THE MESOAMERICAN REGION: A
STRATEGY FOR UNIVERSITY NETWORK COLLABORATION

Aralisa Shedden-González, Ernesto Rodríguez-Luna, Brenda Solórzano-García

11:15-11:30 365313 PROGRESS TOWARD AN ERA OF EVIDENCE-BASED CONSERVATION

Andrew Pullin

11:30-11:45 367057 THE A.P. LEVENTIS ORNITHOLOGICAL RESEARCH INSTITUTE: COMBINING SCIENTIFIC
RESEARCH WITH COMMUNITY BASED CONSERVATION

Augustine Ezealor

11:45-12:00 315173 "BUY A FISH, SAVE A TREE", A SUSTAINABLE WILD CAUGHT ORNAMENTAL FISHERY AS
AN ALTERNATIVE STRATEGY TO AMAZON CONSERVATION, RIO NEGRO, BRAZIL

Ning Labbish Chao

12:00-12:15 315152 EVALUATING OUTCOMES FROM CONSERVATION ACTIONS IN THE POLYNESIA-
MICRONESIA HOTSPOT

Madeleine Clare Bottrill, Marc Hockings, Hugh P. Possingham

12:15-12:30

Environmental sociology

Moderator:

Meeting-room:90

10:30-10:45 314684 CHANGING PLACES: CONSERVATION NGOS AND LOCAL ACTORS IN CHINA'S NEW

NATIONAL PARKS

John Zinda

10:45-11:00 367386 CONFLICT OR HARMONY WITH INVASIVE SPECIES:
EMPIRICAL RESULTS FROM A SURVEY OF INVASION BIOLOGISTS

Brendon Larson, Ashley Young

11:00-11:15 314950 MANAGEMENT OF PROTECTED AREAS AS PUBLIC GOODS: THE
RESPECTIVE ROLES OF GOVERNMENT AND MARKET

Wenjun Li, Lynn Huntsinger

11:15-11:30 315679 SOCIAL PROCESSES AFFECTING THE INTEGRATION OF
CONSERVATION AND DEVELOPMENT IN CAMBODIA

Kararaina Scally

11:30-11:45 315638 THE UNEVEN TRANSNATIONALIZATION AND HYBRIDIZATION OF
CONSERVATION NETWORKS IN NORTHEAST ASIA

W. Chad Futrell

11:45-12:00 306077 TOWARD IMPROVED COMMUNITY ENGAGEMENT IN ACTIONS TO
REDUCE THE IMPACT OF CLIMATE CHANGE ON THE GREAT BARRIER REEF

Stephen Sutton, Renae Tobin

12:00-12:15 315493 IMPACT OF CONSERVATION POLICY: GRAZING RESTRICTIONS ON
LIVESTOCK COMPOSITION AND HUSBANDRY PRACTICES IN MADI VALLEY
WITHIN CHITWAN NATIONAL PARK NEPAL

Bhim B. Gurung, Kristen C. Nelson, James L. David Smith

12:15-12:30

Desert conservation

Moderator:

Meeting-room:92

10:30-10:45 315720 IMPORTANCE OF TERRAIN AND HABITAT PROTECTION FOR
CONSERVATION OF THE STRIPED HYENA (HYAENA HYAENA) IN
HUMAN-DOMINATED LANDSCAPES OF WESTERN INDIA

Priya Singh, Ullas Karanth, Arjun Gopalaswamy

- 10:45-11:00 308157 RE-INTRODUCTION OF ASIAN HOUBARA BUSTARD IN THE UNITED ARAB EMIRATES
Pierrick Rautureau, Pierrick Rautureau, Mark Lawrence, Yassir Al Kharousi, Olivier Combreau
- 11:00-11:15 306199 WLDLIFE RESERVE "BARSAKELMES" IN CONDITIONS OF ENVIRONMENTAL CHANGE IN NORTH ARAL SEA (KAZAKHSTAN)
Roman Jashenko, Irina Jashenko
- 11:15-11:30 315051 CONNECTIVITY OF THE ASIATIC WILD ASS POPULATION IN THE MONGOLIAN GOBI
Petra Kaczensky, Ralph Kuehn, Badamjav Lhagvasuren, Stephanie Pietsch, Weikang Yang, Chris Walzer
- 11:30-11:45 315688 ECOLOGY AND CONSERVATION OF SPECTACLED BEARS (TREMARCTOS ORNATUS) IN LOW-LYING DESERT HABITAT IN NORTH-WESTERN PERU
Robyn Denise Appleton, Karen Noyce
- 11:45-12:00 315431 VEGETATION COVER CLASSIFICATION OPTIMIZED TO DETECT AREAS AT RISK OF DESERTIFICATION IN WADI ALLAQI BIOSPHERE RESERVE: CASE STUDY UPON CLIMATE CHANGE
Ashraf Hussein Salem

12:00-12:15

12:15-12:30

Mammal conservation

Moderator:

Meeting-room:112

- 10:30-10:45 370533 WILDLIFE-LIVESTOCK INTERACTION: COMPETITION, FACILITATION, BOTH OR NEITHER
Khadga Basnet
- 10:45-11:00 364709 IDENTIFICATION AND EVALUATION OF THE CAPTIVE ENVIRONMENTAL FACTORS THAT AFFECT THE BEHAVIORS OF GIANT PANDAS

IN BEIJING ZOO

Liu He, Zhang Jingguo, Wu Zhaozheng

11:00-11:15 315158 ATTITUDES TOWARDS STRIPED HYAENA (HYAENA HYAENA SYRIACA) IN HUMANDOMINATED LANDSCAPES

Mounir R. Abi-Said, Nigel Leader-Williams

11:15-11:30 315202 CONSERVATION OF THE CRITICALLY ENDANGERED BROWN SPIDER MONKEY (ATELES HYBRIDUS) IN COLOMBIA

Andres Link, A. Gabriela de Luna

11:30-11:45 315518 SOCIAL RELATIONSHIPS AMONG SOLITARY ANIMALS INFLUENCE TRANSLOCATION SUCCESS: A CASE STUDY WITH THE ENDANGERED STEPHENS' KANGAROO RAT

Debra M. Shier, Ron Swaisgood

11:45-12:00 315457 ANTHROPOGENIC ALLEE EFFECT THREATENS TROPHY HUNTED MAMMALS

Lucille Palazy, Christophe Bonenfant, Jean-Michel GAILLARD, Franck Courchamp

12:00-12:15 320341 COUNTING CRYPTIC CARNIVORES: A COMPARISON OF NOVEL TECHNIQUES FOR MONITORING PREDATORS

Alex Diment

12:15-12:30 365119 THE IMPORTANCE OF LONG TERM RESEARCH FOR CONSERVATION OF THE CRITICALLY ENDANGERED TONKIN SNUB-NOSED MONKEY IN HA GIANG PROVINCE, VIETNAM

Quyet Le Khac

Bird conservation

Moderator: Shuping Zhang

Meeting-room:113

10:30-10:45 315104 ABUNDANCE, DISTRIBUTION AND CONSERVATION OF THE RESTINGA ANTWREN, FORMICIVORA LITTORALIS (AVES: THAMNOPHILIDAE)

Maria Alice S Alves, Mariana Moncassim Vale, Juliana F. Mattos, Maurício Brandão Vecchi

- 10:45-11:00 367861 AGE-RELATED VARIATIONS IN TIMING, SITE USE, AND RATE OF
MASS GAIN OF FOUR MIGRATORY SONGBIRD SPECIES AT AN INLAND SITE IN
Jackson County, Lisa Marie Gardner Barillas, Yong Wang
- 11:00-11:15 319279 CONSERVATION EFFORTS BY DEVELOPING SUSTAINABLE LOCAL
ECONOMIES AT A RAMSAR SITE IN PAKISTAN
Zulfiqar Ali
- 11:15-11:30 315674 CONSERVATION IN HUMAN-DOMINATED LANDSCAPES:
RECONCILING AGRICULTURE WITH WILDLIFE CONSERVATION
Malvika Onial, Ben Phalan, Andrew Balmford, Rhys Green
- 11:30-11:45 329944 THE KITE FLYING FESTIVAL, MAN MADE DISASTERS FOR THE URBAN
WILDLIFE ESPECIALLY IN THE AVIAN COMMUNITY, CONNECTIONS BETWEEN
NATURE AND SOCIETY
Kartik B. Shastri
- 11:45-12:00 329523 CONTRASTING LEVELS OF GENE FLOW IN URBAN AND RURAL TREE
SPARROW POPULATIONS : IS THERE INFLUENCE OF URBANIZATION?
Shuping Zhang, Guangmei Zheng
- 12:00-12:15 306781 EFFECTS OF ORGANIC AND SOIL CONSERVATION MANAGEMENT
ON SPECIALIST BIRD SPECIES
Ondine Filippi-Codaccioni, Vincent Devictor
- 12:15-12:30 366782 EFFECTS OF WATER ON PATCH-USE BY BIRDS IN A SAVANNAH
ECOSYSTEM
Mary Ngozi Molokwu, Jan-Ake Nilsson, Ola Olsson

Symposium: Restoring Przewalski's Horses—Lessons Learned from In-situ and Ex-situ Conservation, 66567

Organised by: Peter Leimgruber, Hu Defu, Waltraut Zimmermann

Meeting room: 112

In the 1960s Przewalski's horses became extinct in the wild. The only surviving populations were found in western zoos. Through concerted breeding and reintroduction efforts the Przewalski's horse has now become a flagship species for the role of zoos in saving species from the brink of extinction. Zoo breeding efforts continue to ensure maximum genetic diversity in captive populations.

Since the 1990s, reintroduction projects have introduced Przewalski's horses to the wild and to semi-reserves in Hungary, China, and Mongolia. These restoration projects face the challenge of harmonizing conservation goals for nature with the needs of local communities and national societies. How can restoration projects counter the still-existing problems that originally caused the extinctions? How can this species successfully return to environments also used by local pastoral societies? Given China's active reintroduction program in Xinjiang, and with most other projects also found in the region, Beijing will be the perfect venue to convene many interested stakeholders.

The SCB 2009 Beijing meeting theme, "Harmony in Nature and Society", provides an excellent opportunity for reviewing progress towards restoring one of Asia's most prominent near-extinct species. Our symposium will synthesize this progress and the challenges faced in the restoration of Przewalski's horses from the perspectives of different conservation disciplines, including captive management, wildlife biology, reserve management, history, and anthropology. By sharing lessons learned we will chart future directions for Przewalski's horse restoration.

14:00-18:30

**Symposium: Galliformes-Barometers of the State of Applied Ecology and Wildlife Conservation in Asia,
68378**

Organised by: Philip McGowan, Guangmei Zheng

Meeting room: 113

The avian Order Galliformes (pheasants, partridges, grouse and relatives) enjoy a high profile in Asian research, conservation and culture. In China, for example, nearly a quarter of all publications on birds deal with these species and so they can be seen as embodying the status of the country's research, nowhere more so than in conservation science and its application to management.

There are two particular reasons why this topic is appropriate for this meeting. First, there is a long relationship between Galliformes researchers in China and their international counterparts and this is an ideal opportunity to present some of this work. Second, Galliformes have a very special role in China as they are important culturally, economically and in ecological research (including as a centre of domestication of the red junglefowl). The country is central to global efforts to conserve this group (more than 60 species have been recorded including many endemics) and so it is critical to ensure that the long tradition of research within the country benefits from, and contributes to, efforts to reduce the overall extinction risk facing this

group (25% of the 290 species are on the IUCN Red List). The symposium will review efforts to conserve this group, with a special focus on China, by examining key issues and presenting case studies. This meeting is an exceptional opportunity to share lessons, take stock and re-assess priorities.

14:00-18:30

Symposium: Conservation Practices in China, 72276

Organised by: Zhi Lu

Meeting room:77

To introduce Conservation Practices in China by 2 panels: 1) species and protected areas; 2) new conservation mechanisms and policies. To let conferees learn the conservation status, available cases and problems faced by China.

14:00-14:05 Introduction

14:05-14:13 THE STATUS OF NATURE RESERVES MANAGED BY STATE FORESTRY ADMINISTRATION IN CHINA

Li Zhong

14:13-14:21 ESTABLISHING A SYSTEMATIC AND MULTI-PURPOSE MANAGEMENT SYSTEM ---A CASE OF WANGLANG RESERVE, CHINA

Chen Youping

14:21-14:29 PROBLEMS, PARCTICES AND PERSPECTIVE OF CETACEAN CONSERVATION IN THE YANGTZE

Wang Ding

14:29-14:37 WHEN DO WE CLAIM SUCCESS IN PANDA CONSERVATION IN THE WILD?

Wang Hao

15:00-15:08 CONSERVATION LED BY COMMUNITIES: CASE OF CONSERVAGTION INCENTIVE AGREEMENT IN CHINA

Li Shengzhi

15:08-15:16 THE ROLE OF TIBETAN TRADITIONAL CULTURES IN CONSERVATION IN WESTERN CHINA

Shen Xiaoli

15:16-15:22 LIFE AND DEATH OF TIBETAN BUNTINGS IN NYANBO YUZE, A SACRED LAND IN QINGHAI

Zhaxi Sange

15:22-15:30 MARKET-BASED APPROACH TO FRESHWATER CONSERVATION - PES AVAILABILITY AND PILOT PROJECTS IN CHINA

He Yi

15:30-16:00 Wrap-up

Symposium: Integrated Protection and Restoration of Wetlands, Rivers and Subterranean Aquatic Ecosystems,66751

Organised by: Eren Turak, Jeanne Nel, Jonathan Higgins, Changqing Yu

Meeting room:73

Water affects every activity and aspiration of human society and sustains all ecosystems. Its wise use is critical to the sustainable development of emerging economies and the well-being of the poorest sectors of our society, who depend on the health of natural resources for their livelihoods.

Conservation efforts for different types of freshwater ecosystems, i.e., wetlands, rivers and subterranean aquatic ecosystems, have generally been poorly coordinated. Mechanisms for determining the conservation values of different types of freshwater ecosystems, measuring their condition and protecting them have differed greatly. There has also been little effort to estimate overlap in biodiversity and ecological functions.

Given the high connectedness among different freshwater ecosystem types, the commonality of threats to their biodiversity and the important ecosystem services they provide, the current approach promotes inefficiencies in both protective and restorative actions. Without adequate quantitative tools that allow the benefits of alternative conservation actions to be measured, it is difficult to make best use of available resources in implementing management actions. This gap also hinders greater integration among freshwater terrestrial and marine conservation efforts.

Presentations will: demonstrate how different aquatic ecosystems have been incorporated into conservation plans and actions; explore the applicability of condition measures across ecosystem types; demonstrate how conservation planning algorithms can be used to integrate different ecosystem types into one conservation plan; and illustrate management actions directed at different types of aquatic ecosystems simultaneously.

14:00-16:00

Workshop:How a Climate Agreement Can Complement Existing Conservation Law, Restore Ecosystems and Improve the Economy, 68434

Organised by: John Fitzgerald

Meeting room:87

Wu Wei, the principle of "no unnecessary effort" or economy in action, is a concept with roots in Taoism and

the Tao Te Ching, and also reflected in the classic work, The Art of War (which is in fact advocates preventing war as much as winning it.) Wu Wei has much to teach us about effective conservation and economic policy. We find great potential harmony in allowing nature to help us solve climate change and allowing the natural flow of economics, like water seeking its own level, to help us benefit from climate friendly economy. The final advantage we explore is that these policies help ensure greater compliance with existing legal obligations to conserve biological diversity. A lawyer, economists, biologists, and a geographer will explore these issues together.

14:00-16:00

Social Science

Moderator: Alan Watson

Meeting-room:88

14:00-14:15 314613 COMMUNITY - WILDLIFE INTERACTION AND THEIR LINK TO
CONSERVATION IN VILLAGES NEAR UDZUNGWA MOUNTAINS NATIONAL PARK
IN TANZANIA

Rose Peter Kicheleri, nsajigwa emmanuel Mbije

14:15-14:30 306818 ECOSYSTEM HEALTH IN THE MISSION MOUNTAINS TRIBAL
WILDERNESS: A SOCIAL CHALLENGE

Alan Watson, Roian Matt, Steve Carver

14:30-14:45 315515 GENERATIONAL DIFFERENCES IN THE VALUATION OF BUSHMEAT IN
CONGO AND SOME RESULTING IMPLICATIONS FOR CONSERVATION

Michelle Wieland

14:45-15:00 315496 HEARING VOICES: THE CHALLENGES OF COMMUNITY
PARTICIPATION IN BIODIVERSITY DECISION MAKING, THE CASE STUDY OF CO.
CLARE, IRELAND

Rachel Kavanagh

15:00-15:15 314989 IMPACTS OF A COMMUNITY BASED PAYMENTS FOR
ENVIRONMENTAL SERVICES PROGRAM ON ILLEGAL FOREST USE BEHAVIOUR IN
MENABE, MADAGASCAR

Matthew M Sommerville, E.J. Milner-Gulland

- 15:15-15:30** 315290 EVIDENCE FOR SHIFTING BASELINE SYNDROME IN CONSERVATION
Sarah Kate Papworth, E.J. Milner-Gulland
- 15:30-15:45** 365286 BOOK LAUNCH - "RIGHTS BASED APPROACHES: EXPLORING ISSUES
AND OPPORTUNITIES FOR CONSERVATION
Yani - Saloh, Terry Sunderland
- 15:45-16:00** 366866 PREDICTING PERSONAL NORMS AND BEHAVIORAL INTENTIONS
FOR PROTECTION AND REMOVAL OF NATIVE AQUATIC PLANTS BY MINNESOTA
LAKESHORE PROPERTY OWNERS
Susan A. Schroeder, David Fulton

Environmental geography

Moderator:

Meeting-room:90

- 14:00-14:15** 315490 SUSTAINABILITY OF A HUNTING SYSTEM IN NORTHERN CONGO
[Michael Riddell](#), Anna Lawrence
- 14:15-14:30** 367804 WILDLIFE DECLINE IN CAMBODIA, 1953-2005: EXPLORING THE
LEGACY OF ARMED CONFLICT
Colby Loucks, Mike Mascia, Andy Maxwell, Keavuth Huy, Kong Duong, Nareth Chea, Barney
Long, Nick Cox, Teak Seng
- 14:30-14:45** 315596 TOURISM AND FISHERIES: A CASE STUDY FROM MOZAMBIQUE
[Adaoma Wosu](#)
- 14:45-15:00** 305152 EXAMINING TREE SPECIES IDENTIFICATION, SPECIES DISTRIBUTION
PATTERNS, AND HABITAT TYPES USING REMOTE SENSING DATA IN THE
WESTERN AMAZON
Ophelia Wang, Kenneth R Young, Rodrigo Sierra
- 15:00-15:15** 315099 HUMAN AND ECOLOGICAL RISK FACTORS FOR UNPROVOKED LION
ATTACKS ON HUMANS IN SOUTHEASTERN TANZANIA
Hadas Kushnir
- 15:15-15:30** 315582 SMALLHOLDER FOREST CONVERSION AT THE CENTRAL SULAWESI
RAINFOREST MARGIN IN INDONESIA - AN INSTITUTIONAL AND

DEMOGRAPHIC APPROACH

Sebastian Gerhard Wilhelm Koch, Jan Barkmann, Heiko Faust

15:30-15:45 315625 CAN PALEOENVIRONMENTAL STUDIES HELP CONSERVATION
ECOLOGISTS RESTORE ECOSYSTEMS AND UNDERSTAND ECOLOGICAL
THRESHOLDS?

Marlow Pellatt

15:45-16:00

Speed Setion Population Dynamics and Conservation Genetics

Moderator:

Meeting-room:92

Moderator:

Meeting-room:

14:00-14:04 365457 WATERBIRD SURVEY OF THE MIDDLE REACHES OF YELLOW RIVER IN JANUARY 2009
Meng Yang

14:04-14:08 315630 MONITORING GOLDEN EAGLES WITHIN THE PROPOSED WIND ENERGY FACILITY IN
NORTHERN BAJA CALIFORNIA, MEXICO
Lisa Nordstrom

14:08-14:12 364878 ADAMAWA TURTLE DOVE (STREPTOPELIA HYPOPYRRHA) HABITAT UTILISATION IN
SUB-SAHARAN AFRICA
Ademola Abiola Ajagbe

14:12-14:16 315698 CORRELATES OF EXTINCTION RISK IN BIRDS
Tien Ming Lee

14:16-14:20 315224 A STUDY ON VASCULAR PLANTS IN BAXIANSHAN NATURE RESERVE IN TIANJIN
Li Yong

14:20-14:24 366579 HIGH GENETIC VARIATION AND PHYLOGEOGRAPHIC STRUCTURE OF CARASSIUS
AURATUS COMPLEX (CYPRINIDAE) IN EURASIA
Yun Gao, Jing Luo, Shu yan Wang, Yan Li, Ya-Ping Zhang

14:24-14:28 315379 ASSESSMENT OF INVOLVEMENT OF THE LOCAL POPULATION IN A PROCESS OF THE
COMMUNITY BASED FORESTRY MANAGEMENT AND SHARING BENEFITS OF JOINT FOREST USE

Ilia Anatolievish Domashov

14:28-14:32 315472 THE DISTRIBUTION OF EPIPHYTIC COMMUNITIES WITHIN THE CANOPY AND EMERGING FROM IT IN TSUGA HETEROPHYLLA TREES OF AN OLD-GROWTH FOREST, WASHINGTON STATE

Kelly Erika Gleason

14:32-14:36 365550 SUSTAINABILITY AND MANAGEMENT OF FRESHWATER LAKES BY COMMUNAL INSTITUTIONS IN THE LOWER FLOODPLAINS OF THE RIVER NIGER

EnoAbasi Deborah Anwana, Robert A Cheke, Adrienne M Martin

14:36-14:40 315366 EFFECTS OF INTERNATIONAL BORDER INFRASTRUCTURE ON LOCAL WILDLIFE POPULATIONS: THE CASE OF THE GRASSLANDS ALONG THE US – MEXICO BORDER WALL

Rurik List, Jesús Hermann Pacheco, Gerardo Ceballos González

14:40-14:44 315754 ECOSYSTEM CONSEQUENCES OF DEPLETING OCEANIC APEX PREDATORS

Julia Kathleen Baum

14:44-14:48 365613 MOVEMENTS OF EASTERN PACIFIC GREEN TURTLES NESTING IN NORTHWESTERN COSTA RICA

Gabriela Silvina Blanco, Stephen Morreale, James Robert Spotila, Frank Vincent Paladino

14:48-14:52 307370 IS BYCATCH A BIG PROBLEM FOR SMALL FISH? ASSESSING AND ADDRESSING THE IMPACTS OF TROPICAL SHRIMP TRAWLING ON SMALL FISH SPECIES

Sarah Jane Foster, Amanda CJ Vincent

14:52-14:56

14:56-15:00

15:00-16:00 Interactive Discussion

Symposium: Beyond Ideas: Using the Valuation of Ecosystem Services to Advance Conservation on the Ground, 66781

Organised by: Heather Tallis

Meeting room: 73

Global assessments, books, and hundreds of journal articles have discussed how to quantify and value ecosystem services, and suggest that such valuation will advance conservation, possibly in lock step with development goals. Frameworks, conceptual models and guidelines have been developed to help identify

tradeoffs and synergies between biodiversity, ecosystem services and commodity production or development. What happens in reality when these ideas are put into practice? This symposium highlights analyses and synthesis of outcomes from the use of ecosystem service valuation as a key conservation strategy. The focus is on conservation outcomes on the ground as opposed to methods or assessments. We demonstrate the use of ecosystem service valuation to create change in conservation planning, private land management, regulatory permitting, oil palm management and the design of water fund programs, among other applications. We also highlight how the strategy of ecosystem service valuation can best be delivered to the public and decision-makers so that land use and management decision are altered. This symposium directly addresses the conference theme, Harmony for Nature and Society, by providing some of the first examples of how we can actually achieve the alignment of these two systems that are often placed at odds under the current methods of decision making. We demonstrate a practical, transferable tool that can be used around the globe to take concrete steps towards a sustainable society.

16:30-16:45 Mapping Ecosystem Services and Poverty in the Amazon Basin

Heather Tallis

16:45-17:00 Conservation and Development Are Compatible Goals: Evidence from the World Bank, The Nature Conservancy and World Wildlife Fund

Susan Ruffo

17:00-17:15 Regional Climate Change Impacts on Ecosystem Service Provision

Peter Kareiva

17:15-17:30 Ecosystem Service and Biodiversity Consequences of Future Global Food Security

Erik Nelson

17:30-17:45 Multi-scale Ecosystem Service Valuation in Integrated Large River Basin Management: Decisions in the Upper Yangtze Basin

Wang Yukuan

17:45-18:00 Making Ecosystem Services Mainstream for Private Landowners: Insights from Hawai'i

Gretchen Daily

18:00-18:15 Implementing Regional Ecosystem Based Management in the Puget Sound Ecosystem

Juliann Aukema

18:15-18:30 Intelligent Design of Water Fund Programs: New successes in Ecuador and Colombia

Alejandro Calvache

Symposium: Asian Elephants in Fragmented Landscapes: Conflict or Conservation or Both? 66328

Organised by: Raman Sukumar, Aster Li Zhang, Prithiviraj Fernando

Meeting room: 77

The Asian elephant (*Elephas maximus*) is often projected as a powerful flagship for the conservation of biodiversity in South and Southeast Asia. There are less than 50,000 Asian elephants left in the wild. On the basis of continued loss of habitat and regional reductions in population numbers, the Asian elephant is listed as Threatened in the IUCN Red List.

Most biologists and conservationists realize that the continued loss and fragmentation of habitat accompanied by increased elephant-human conflicts poses a significant threat to the survival of the elephant in Asia. Several studies of elephant-human conflict across the Asian range states are investigating the proximate environmental factors (e.g. land use and vegetation patterns in the landscape) as well as ecological and behavioural factors (e.g. foraging strategies in relation to seasonal movement patterns) that correlate with elephant intrusions into crop fields and human settlements. Studies have also been evaluating the relative success of various methods (from noise making devices to electric fencing, chili-based deterrents and tracking "problem individuals") being used by governments and local communities to manage conflict.

China has a small elephant population in conflict with human interests. A symposium that brings together studies from various parts of the elephant's range in Asia to share experiences and lessons in management of conflict would be very appropriate to the SCB's theme of "Conservation: Harmony for Nature and Society".

16:30-16:45 TOO MANY PEOPLE OR TOO MANY ELEPHANTS—HABITAT SELECTION AND HUMAN IMPACTS ON ASIAN ELEPHANT (*Elephas maximus*) IN NANGUNHE NATIONAL NATURE RESERVE, YUNNAN OF CHINA

Li Zhang, Limin Feng, Zhisheng Wang, Liu Lin, Shaobing Yang, Bing Zhou, Chunhua Li, Youming Xiong

16:45-17:00 UNEASY NEIGHBOURS: PROMOTING HUMAN-ELEPHANT COEXISTENCE IN A FRAGMENTED ALTERED LANDSCAPE OF THE ANAMALAI HILLS, INDIA

Anand Kumar

17:00-17:15 ELEPHANT MANAGEMENT IN SRI LANKA: HIGH DENSITIES OF ELEPHANTS AMONG HIGH DENSITIES OF PEOPLE

Prithiviraj Fernando, Sarath R. B. Dissanayake, Jennifer Pastorini

17:15-17:30 REDUCING HUMAN-ELEPHANT CONFLICT: THE NEED FOR EVIDENCE-BASED APPROACHES

Simon Hedges, Donny Gunaryadi

17:30-17:45 HUMAN AND ELEPHANT CONFLICT - THE EFFECTS OF FOREST LOSS AND FOREST FRAGMENTATION IN SABAH(NORTH BORNEO)

Raymond Alfred

17:45-18:00 THE ELEPHANT IN YOUR COFFEE CUP

Amirtharaj Christy Williams, Elisabet Purastuti, Nurchalis Faldhi

18:00-18:15 TRACKING ELEPHANTS AND THEIR CONFLICTS WITH HUMANS IN THE FRAGMENTED LANDSCAPE OF NORTHERN WEST BENGAL, INDIA

Raman Sukumar, Mukti Roy, Sumanta Kundu, Anisha Thapa, Baskaran N

18:15-18:30 ELEPHANTS FACILITATE PLANT INVASION DISPERSING MORE SEEDS, AND FARTHER AWAY, THAN SYMPATRIC MAMMALS IN SRI LANKA

Ahimsa Campos-Arceiz, Sampath K. K. Ekanayaka, Asier R. Larrinaga, Prithiviraj Fernando, Luis Santamaria

Sustainable agriculture

Moderator:

Meeting-room:87

16:30-16:45 315382 R APD AND SSR FINGERPRINTING IN WILD *TRITICUM BOEOTICUM* AND *TRITICUM URARTU* ACCESSIONS

Nelli A. Hovhannisyan, Ehsan M. Dulloo, Aleksandr H. Yesayan, Armen M. Danielian

16:45-17:00 315336 A LAND USE APPROACH TO MITIGATING HUMAN ELEPHANT CONFLICTS: RECONCILING AGRICULTURE AND ELEPHANT CONSERVATION

Ravi Corea

17:00-17:15 315449 EFFECTS OF HABITAT ISOLATION ON FLOWER-VISITING BEE AT THE SOUTHERN MARGIN OF HALIMUN MOUNTAIN, INDONESIA

Bandung Sahari, Damayanti Buchori, Akhmad Rizali

17:15-17:30 329586 RURAL LABOR MIGRATION, LIVELIHOODS, COMMUNITIES, AND THE RURAL ENVIRONMENTAL CONSERVATION IN CHONGQING, SOUTHWEST CHINA

Hua Qin, Courtney G. Flint

17:30-17:45 319287 MAJOR POLICY ISSUES FOR CONSERVATION BIOLOGY IN ASIA

Jeffrey A. McNeely

17:45-18:00 315555 ROLE OF LOCAL WOMEN-GROUPS IN PROMOTING
COMMUNITY-BASED CONSERVATION IN KENYA

Esther Bosibori Omosa, PATRICK Munyao Maundu

18:00-18:15

18:15-18:30

Plant conservation

Moderator: Denis Sandanov

Meeting-room:88

16:30-16:45 315662 ASSESSING THE GRAZING IMPACT OF YAKS AND COWS ON ALPINE
RANGELANDS IN SOUTHWEST CHINA

Michelle A Haynes, Donald M Waller

16:45-17:00

17:00-17:15 305936 PLANT CONSERVATION: POLITICAL HARMONY FOR NATURE AND
SOCIETY

Ablala Alatisé

17:15-17:30 319286 PLANT CONSERVATION AT RIVER SIDE FOR PROTECTION SOIL AT
NORTH IRAN

Ghassem Habibi Bibalani

17:30-17:45 314480 CONDITION OF POPULATIONS OF RARE ENDEMIC PLANTS OF LAKE
BAIKAL AND WAYS OF THEIR CONSERVATION

Denis Sandanov

17:45-18:00 318032 CONSERVATION OF ENDEMIC PLANTS OF PAKISTAN: A CASE STUDY
OF 9 TAXA FROM CHITRAL VALLEY

Haidar Ali, Muhammad Qaiser

18:00-18:15 306703 LAND USE IMPACT ON TAMARIND (TAMARINDUS INDICA L.)
POPULATIONS' CONSERVATION STATUS IN BENIN

Belarmain Adande Fandohan, Achille Ephrem Assogbadjo, Brice Sinsin

18:15-18:30

Climate change

Moderator:

Meeting-room:90

16:30-16:45 315441 PROCESS-BASED DEMOGRAPHIC MODELS FOR THE RANGE
DYNAMICS OF PLANTS SPECIES: MODEL FITTING AND APPLICATIONS

Juliano Sarmiento Cabral, Frank Schurr

16:45-17:00 304547 ESTIMATION OF CARBON RESERVES IN THE FORESTS OF
SUB-HIMALAYAN WEST BENGAL

Animesh Sarkar

17:00-17:15 305396 HOST FEEDING PATTERN, AVIAN MALARIA DYNAMICS AND
DIVERSITY OF THE RAINFOREST MOSQUITOES IN CAMEROON

Kevin Yana Njabo, Anthony J Cornel, Ravinder N.M Sehgal, Claire Cloiseau, Wolfgang
Buermann, Gediminas Valkiūnas, Thomas B Smith

17:15-17:30 369520 LOCAL KNOWLEDGE ABOUT CLIMATE CHANGE IN THE HIMALAYAS
Pashupati Chaudhary, Suresh Kumah Raina, Kamal Bawa

17:30-17:45 315543 RESISTANCE, RESILIENCE OR TRANSFORMATION? TARGETING
ADAPTIVE MANAGEMENT STRATEGIES UNDER CLIMATE CHANGE

David Hole, Brian Huntley, Steve Willis, Stuart Butchart, Deborah Pain

17:45-18:00 314804 A FRAMEWORK FOR ASSESSING ECOSYSTEM VULNERABILITY TO
GLOBAL CHANGE: A CASE STUDY OF CLIMATE AND LAND-USE INTERACTIONS
IN THE HENGDUAN MOUNTAINS, CHINA

Benjamin Poulter, Niklaus E Zimmermann, Dominique Bachelet, Barry Baker, Heike
Lischke

18:00-18:15 315148 PEOPLE ADAPTING TO INUNDATION OF ISLANDS - A CASE STUDY IN WEST
BENGAL ,INDIA

Raiarshi Banerji, Indrila Guha

18:15-18:30

Speed Setion Protected area planning and design and Conservation capacity building

Moderator:

Meeting-room:92

16:30-16:34 314963 RESEARCH ON MANAGEMENT EFFECTIVENESS AND COUNTERMEASURES OF NATURE RESERVES IN CHINA

Zhiyun Ouyang, jia quan, weihua xu, Hong Miao

16:34-16:38 306706 BARRIERS FOR ACHIEVING SUSTAINABLE FINANCING IN PROTECTED AREAS: FROM THE CONVENTION ON BIOLOGICAL DIVERSITY TO SITE SITUATIONS

Maria Jose del Valle Pacha

16:38-16:42 305165 CONSERVATION THROUGH RESERVE FOREST FORMATION AND PEOPLE'S PARTICIPATION IN RAJASTHAN, INDIA

PARUL GUPTA

16:42-16:46 315539 DOES "CRITICAL TIGER HABITAT" REFER TO ITS IMPORTANCE OR ITS CURRENT STATE? REALITY BEYOND CLASSIFICATION

Alison Wadmore, E.J. Milner-Gulland, Bill Sheate

16:46-16:50 315699 MOTIVES FOR ACTORS IN WILDLIFE MEAT TRADE, CAMEROON, CENTRAL AFRICA

Shannon Randolph

16:50-16:54 368070 CREATION OF PROTECTED AREAS AS A MECHANISM FOR INFLUENCING LAND USE DYNAMICS IN THE BRAZILIAN CERRADO

Ricardo Machado,Mário Barroso Ramos Neto, Aline Tristão Bernardes, Felipe Mendonça, Cristiano Campos Nogueira, Rafael Luis Fonseca, Roberto Cavalcanti

16:54-16:58 315516 DEFINING A "FOREST": THE POLICY IMPLICATIONS

Kent H. Redford, Francis Putz

16:58-17:02 315462 HOW TO MEET THE CHALLENGE OF CONSERVATION AND WOOD PRODUCTION? QUANTIFYING IMPACTS OF DIFFERENT FORESTRY PRACTICES ON BIRDS, BATS AND BUSH-CRICKETS

Yves Bas, Christian Kerbiriou, Jean-François Julien, Jiguet Frédéric

17:02-17:06 304431 THE CIRCUMPOLAR ARCTIC AS ONE PROTECTED PARK: AN UPDATE OF A CRISIS SITUATION

Falk Huettmann

17:06-17:10 315233 IMPORTANCE OF NETWORKING IN KNOWLEDGE SHARING AND ENVIRONMENTAL
EDUCATION FOR ENHANCING CONSERVATION ACTORS COMMITMENT

Solofoniaina Nandrianina RALAIMIHOATRA

17:10-17:14 315438 CONSERVATION VOLUNTEERS: CAN ANYONE MAKE A DIFFERENCE?

Diogo Gaspar Verissimo, Rebeca Chaverri, David Jones

17:14-17:18 364984 MAKING GOOD COMPROMISES IN IMPLEMENTING WILDLIFE CORRIDOR DESIGNS

Paul Beier, Jeffrey Jenness

17:18-17:22 304727 ENVIRONMENTAL EDUCATION AND ENDANGERED SPECIES IN CHINA

Jerry A. McBeath, Jenifer Huang McBeath

17:22-17:26 315689 ROLES OF COMMUNITY PARTICIPATION IN THE BIOLOGICAL CORRIDOR DESIGNING
AND CONSTRUCTING FOR ASIAN ELEPHANT CONSERVATION

Zhao-lu WU, Zheng-ling LI

17:26-17:30 315263 SHOULD CHINA PLACE A HIGHER VALUE ON NATURALNESS?

John Fellowes

17:30-18:30 **Interactive Discussion**

Mon 13 JUL 2009

Plenary Session: Mr. Fuwen Wei, Key Lab of Animal Ecology and Conservation Biology, Institute of Zoology,
Chinese Academy of Sciences

Chair: Mr.

Meeting-room: 103-105

08:30-09:30

Title: Giant Panda: the evolutionary dead-end?

The giant panda (*Ailuropoda melanoleuca*) is a flagship species of animal conservation and one of the most enigmatic creatures in the world, but is currently threatened by habitat loss, fragmentation, and human persecution. Previous researches in past century indicated that its long history of evolution, dietary specialization, habitat isolation, reproductive constraints and low diversity shown by some genetic markers have led to a perception that this is a species at an “evolutionary dead-end” destined for deterministic extinction in the modern world.

In this talk, I will examine this perception, based on our researches conducted in the past 25 years, by a comprehensive investigation of its evolutionary adaptation to special food, reproductive success, population trends, genetic diversity, and demographic history across its geographic range. In the end, we found most previous reasons for ‘dead-ends’ perception of the giant panda were actually deducted from relatively unsystematic studies, and more and more recent data suggest that the panda is not a species at an evolutionary dead-end, but in common with other large carnivores, has suffered demographically at the hands of human pressure. Conservation strategies should therefore focus on protection of wild habitat and the maintenance of the currently substantial regional genetic diversity, through active management of disconnected small populations such as translocation/reintroduction, habitat restoration and habitat corridor establishment.

Symposium: Cranes, Communities and Conservation: A Charismatic Bird Inspires Wetland Conservation Across Eastern Asia, 68485

Organised by: James Harris, John Barzen, Fengshan Li, James Burnham

Meeting room: 73

For 25 years the International Crane Foundation (ICF) has been active in East Asia identifying, studying and

protecting the ecosystems that cranes and other water bird species utilize. Fundamental to ICF's mission of protecting the wetland and grassland systems that cranes need is the explicit acknowledgement that local human communities also depend on these ecosystems. By addressing the needs of human communities and applying sound scientific research, ICF contributes to conserving ecosystem function for a variety of users. While there is no magic formula that can be applied to the varying ecosystems or socio-political structures within East Asia, ICF has initiated and maintained projects tailored to conservation issues throughout the region. This symposium will illustrate the methods that ICF employs to address threats to wetland and grassland systems across eastern Asia. Eight speakers will use current ICF projects to illustrate these efforts; including micro-lending programs in southwestern China, community enterprise developments in Vietnam, educational efforts in China and Russia, understanding how waterbirds utilize landscapes in southeastern China, nature reserve management in eastern Russia and engaging policy makers in northeastern China to alter water-management practices. Although these projects all differ in the issues they address and in their objectives, they all seek similar outcomes: to find the common denominator between human and waterbird communities through the systems they share and ensure these ecosystems continue to function for a variety of users.

10:00-10:15 Community Trust Funds and Farmer Leadership in Integrating Community Development with Wetland Conservation at China's Cao Hai National Nature Reserve

Fengshan Li, LIU WEN , Song Haokun

10:15-10:30 Facilitating Community-based Enterprises and the Benefits for Conservation at Vietnam's Phu My Protected Area

TRAN TRIET ,Jeb Barzen

10:30-10:45 A Flyway Approach to Education Based on Local Perspectives on Resource Needs and Protection

ZHANG JUAN, Han Jing, Sara Moore , Joan Garland

10:45-11:00 Incorporating Local Communities into Management of Muraviovka Park: a private approach to protected area strategies in Russia

SERGEI SMIRENSKI ,Marina Kolodina, James Harris

11:00-11:15 Changing Water Policies for Protected Wetlands in Northeastern China: Tools, Techniques and Outcomes

LIYING SU , James Harris,Tong Shouzheng

11:15-11:30 Long-term environmental monitoring at Poyang Lake Nature Reserve and its role in regional decision making

JAMES BURNHAM, Jeb Barzen, Zeng Nan Jing , Wu Jian Dong

11:30-11:45 Twenty-five Years Experience with Cranes as a Flagship for Wetlands Conservation and Community Involvement in eastern Asia: Lessons, Limits, and Next Steps

Jeb Barzen , JAMES HARRIS

Symposium: Drivers of the 21st Century Global Wildlife Trade: Key Challenges and Opportunities for Sustainability, 68382

Organised by: Julia Baum, Jedediah Brodie

Meeting room: 87

The global wildlife trade provides livelihoods for millions of people, and is an important source of food, medicine, and ornamentals in markets around the world. It is also one of the main drivers of biodiversity loss, endangering many wild populations and facilitating the introduction of diseases and invasive species into new regions. Trade is currently estimated at US\$5-20 billion, much of which is illegal, and it is rapidly growing. The goals of this symposium are to first synthesize current drivers of wildlife trade into a global framework, and second to develop strategies to mitigate the impacts on wild populations. Drawing on research across taxa and ecosystems, talks within the first session will assess the disparate global drivers of the trade, factors likely to affect trade in the coming decades, and compare subsistence versus luxury markets as well as local versus global markets. The second half of the symposium will focus on finding solutions to ensure that wildlife trade is sustainable, including global monitoring efforts, regulatory mechanisms, market-based solutions, and public-awareness campaigns. We will challenge speakers to be creative and to assess novel ideas for improving the wildlife trade. By understanding the global scope of the issue and commonalities across nations and continents, we will attempt to forge solutions that benefit both human livelihoods and wildlife populations. East Asia is a wildlife trade hotspot, making this symposium timely for this venue.

10:00-12:00

Symposium: Integrated Protection and Restoration of Wetlands, Rivers and Subterranean Aquatic Ecosystems, 66751

Organised by: Eren Turak, Jeanne Nel, Jonathan Higgins, Changqing Yu

Meeting room: 77

Landscape ecology

Moderator: Jonathan Roger Rhodes

Meeting-room:88

- 10:00-10:15** 365329 ASSESSING THE POPULATION STATUS AND MANAGEMENT OF TIGERS IN THE BATANG HARI LANDSCAPE, WEST SUMATRA, INDONESIA
Yoan Dinata, Jito Sugardjito, Matthew Linkie
- 10:15-10:30** 366405 FINDING HARMONY BETWEEN GRIZZLY BEARS AND HUMANS USING ACCESS MANAGEMENT
Mark S. Boyce, Cheryl-Lesley Chetkiewicz, Bogdan Cristescu, Scott E. Nielsen, Joseph M. Northrup, Carrie Roever, Gordon B. Stenhouse
- 10:30-10:45** 315320 ARE THRESHOLD ESTIMATES USEFUL FOR SETTING CONSERVATION PLANNING TARGETS?
Jonathan Roger Rhodes, Clive A McAlpine
- 10:45-11:00** 306089 DISTRIBUTION AND CONSERVATION STATUS OF RED PANDA (*AILURUS FULGENS*) IN RARA NATIONAL PARK, NEPAL
Hari prasad Sharma
- 11:00-11:15** 320208 THE MULTI-SCALE ECOLOGICAL IMPACTS OF THE ROAD NETWORKS IN LONGTITUDINAL RANGE-GORGE REGION OF YUNNAN PROVINCE, CHINA
Li Xiaowen
- 11:15-11:30** 315641 CONSERVING LARGE-SCALE POPULATION DYNAMICS: MERGING GENETIC AND DEMOGRAPHIC DATA TO UNDERSTAND SPATIAL SYNCHRONY IN SNOWSHOE HARES
Ellen Cheng, L. Scott Mills, Karen E. Hodges
- 11:30-11:45** 366419 ELK TRANSLOCATIONS INTO RISKY LANDSCAPES: WHAT MATTERS FOR RETENTION AND SURVIVAL?
Jacqueline L. Frair, Evelyn H. Merrill, Mark S. Boyce, James R. Allen
- 11:45-12:00** 366457 HABITAT CHARACTERISTICS AND STATUS OF TWO WILDLIFE CORRIDORS FOR TIGER CONSERVATION IN TERAJ ARC LANDSCAPE, INDIA
Meraj Anwar, Surendra P. Goyal, Qamar Qureshi

Communications, outreach and education

Moderator:

Meeting-room:90

10:00-10:15 315513 INSPIRING A CONSERVATION AND STEWARDSHIP ETHIC IN
ELEMENTARY SCHOOL CHILDREN

Harriet Rankin Huber, Lisa Hiruki-Raring

10:15-10:30 365891 UNDERSTANDING THE CONSERVATION OF LAKESHORE BUFFERS IN
MINNESOTA, USA

Edgar Atwood Rudberg, David Fulton

10:30-10:45 329227 PROMOTING PROTECTION THROUGH PRIDE

Shiyang LI

10:45-11:00 315403 EVALUATION OF THE EFFECTIVENESS OF EDUCATION AS A TOOL
FOR ENVIRONMENTAL CONSERVATION

Caroline Howe, E.J. Milner-Gulland

11:00-11:15 315067 ARENAS PROJECT: SCHOOLTEACHERS AND SCIENTISTS' ROLES FOR
ATTITUDE CHANGES IN COASTAL COMMUNITIES

Mariana Rios, Micaela Trimble, María Szephegyi, Cecilia Passadore, Mariana
Nin, Paula Laporta, César Fagúndez, Elena Castiñeira

11:15-11:30 315210 FROM THE ONGE TRIBAL'S TO THE LESSER FLORICAN: ROLE OF
COMMUNICATION DESIGN FOR CONSERVATION OF CULTURES, KNOWLEDGE
SYSTEMS AND ENDANGERED SPECIES

Anirban Dutta Gupta

11:30-11:45 315283 CONSERVATION EDUCATION FOR BIODIVERSITY PRESERVATION AT
THE CHENGDU RESEARCH BASE OF GIANT PANDA BREEDING, SICHUAN

PROVINCE, CHINA

Sarah Marie Bexell, Zhang Zhihe, Zhang Anju, Fei Lisong, Wu Xianzhi, Xu Ping,
Feng Ruixi, Tang Yafe

11:45-12:00 320182 POTENTIAL OF PEOPLE'S BIODIVERSITY REGISTERS FOR THE
CONSERVATION EDUCATION & ACTION

Pramod Padmanabhan Nair

Conservation genetics

Moderator:

Meeting-room:92

10:00-10:15 315481 ACCURACY, PRECISION, AND COST-EFFECTIVENESS OF
CONVENTIONAL DUNG COUNT BASED AND NONINVASIVE GENETIC METHODS
TO ESTIMATE ELEPHANT POPULATION SIZE

Simon Hedges, Lori Eggert, Arlyne Johnson, Marissa Ahlering, Martin Tyson

10:15-10:30 309072 DEMOGRAPHY AND GENETICS OF REINTRODUCED PLANT
POPULATIONS: A CASE STUDY OF ARENARIA GRANDIFLORA L., AN
ENDANGERED SPECIES IN THE LOWLANDS OF FRANCE.

Monika Zavodna, Nathalie Machon

10:30-10:45 314852 EFFECTS OF GROWTH HORMONES, ROOTING MEDIA AND LEAF SIZE
ON JUVENILE STEM CUTTINGS OF BUCHHOLZIA CORIACEA

Adejoke Olukemi Akinyele

10:45-11:00 315485 EVALUATION OF NON-INVASIVE GENETIC SAMPLING METHODS FOR
ESTIMATING TIGER POPULATION SIZE

Samrat Mondol

11:00-11:15 366627 GENETIC DISTINCTIVENESS AND DECLINE OF A SMALL POPULATION
OF HUMPBACK WHALES (MEGAPTERA NOVAEANGLIAE) IN THE ARABIAN SEA

Cristina Pomilla, Tim Collins, Gianna Minton, Ken P. Findlay, Matthew S. Leslie,
Louisa Ponnampalam, Howard C. Rosenbaum, Robert Baldwin

11:15-11:30 315549 THE ILLEGAL IVORY TRADE AND ORGANIZED CRIME: WHAT WAS
CITES THINKING?

Samuel K Wasser, Celia Mailand, Cathy C Laurie, William Joseph Clark

11:30-11:45 315578 BEHAVIORAL CORRELATES OF LOW RELATEDNESS IN AFRICAN
ELEPHANT GROUPS IN A POACHED POPULATION

Kathleen Schuyler Gobush, Samuel K Wasser

11:45-12:00 315418 GENETIC VARIABILITY OF KELP GULL IN THE BRAZILIAN COAST AND
ITS CONSEQUENCE FOR SEABIRDS CONSERVATION

Gisele Pires de Mendonça Dantas, Fernanda Almeida Santos, Joao Stenghel
Morgante, Nuno Ferrand, Raquel Godinho

Mammal conservation

Moderator: Shu-Jin Luo

Meeting-room:112

10:00-10:15 366711 SOME CONSIDERATIONS ABOUT PORPOISE-WATCHING IN POYANG
LAKE, CHINA

Kexiong Wang, Ding Wang, Songhai Li, Xiujiang Zhao, Xinqiao Zhang

10:15-10:30 306790 A CAUSE FOR OPTIMISM: THE POTENTIAL CONTRIBUTION OF
SELECTIVELY LOGGED FORESTS FOR TIGER CONSERVATION IN MALAYSIA

Mark Rayan Darmaraj

10:30-10:45 315340 DISTRIBUTION AND CONSERVATION STATUS OF MARSH DEER
(BLASTOCERUS DICHOTOMUS) ON POOR KNOWN WETLANDS OF
PARAGUAY-PARANA RIVER BASIN, ARGENTINA

Bernardo Lartigau, Pablo Herrera, Santiago Dalessio, Leandro Antoniazzi, Hector Ball, Daniela
Cano, Horacio Cardozo, Patricio Cowper Coles, Alejandro Di Giacomo, María Ayelen Eberhardt,
Carlos Figuerero, Natalia Meyer, Anibal Parera, Gabriela Ramirez

10:45-11:00 377879 MULTIPLE GENEALOGIES REVEAL SIGNIFICANT
INDOCHINESE-SUNDAIC FAUNAL TRANSITION AT THE ISTHMUS OF KRA:
EVIDENCE FROM SIX ASIAN FELID SPECIES

Shu-Jin Luo

11:00-11:15 314935 FAILURE OF DISEASE SUPPRESSION VIA REMOVAL OF INFECTED
INDIVIDUALS TO CONTROL DEVIL FACIAL TUMOUR DISEASE IN A TASMANIAN
DEVIL POPULATION

Shelly Lachish, Hamish McCallum, Dydee Mann, Chrissy Pukk, Menna E. Jones

11:15-11:30 366216 HIGH-LEVEL MAMMALIAN PHYLOGENOMICS BENEFIT FROM
NUCLEAR INTRONS: INTERFAMILIAL RELATIONSHIPS WITHIN CANIFORMIA
(ORDER CARNIVORA) AS A CASE STUDY

Li Yu, Ya-Ping Zhang, Peng-tao Luan

11:30-11:45 320346 HUMAN-BEAR CONFLICT: A REVIEW OF CONCEPTS AND GLOBAL

TRENDS

Neil Clive D'Cruze, Ozgun Emre Can, John Beecham, Iris Mazurek

11:45-12:00 306636 WINTER HABITAT SELECTION BY MACACA MULATTA IN A
TEMPERATE FOREST, JIYUAN, CHINA

LU Ji-Qi, XIE Dong-Ming, GUO Xiang-Bao, LÜ Jiu-Quan

Bird conservation

Moderator:

Meeting-room: 113

10:00-10:15 310302 ENHANCING POPULATION MONITORING THROUGH INTEGRATED
MODELING

[justine sulawa](#), jean-dominique lebreton, oliver krone

10:15-10:30 306596 GENETIC DIVERSITY AND MATING SYSTEM OF AN INTRODUCED
ISLAND POPULATION OF NORTH ISLAND BROWN KIWI (APTERYX MANTELLI)

[Birgit Ziesemann](#), Dianne Brunton

10:30-10:45 365076 IMPORTANCE OF APPROPRIATE SPATIAL RESOLUTION WHEN
TRACKING FOR CONSERVATION

[Tiana Jayne Preston](#), Andre Chiaradia, Richard Reina

10:45-11:00 315694 UNRAVELING DISTRIBUTIONAL PATTERNS OF THE WORLD'S MOST
REMOTE FLAMINGOS

[Maria Adela Davison](#), Mery Sonia Villalobos, Carmen Quiroga

11:00-11:15 315309 TRANSEMISSPHERIC IMPACTS ON SHOREBIRD POPULATIONS OF THE
SAEMANGEUM TIDAL RECLAMATION IN SOUTH KOREA

Danny Rogers, [Moore Nial](#), Phil Battley, Chris Hassell, Ken Gosbell

11:15-11:30 366284 THE PERILS OF YOUTH: FACTORS AFFECTING PIPING PLOVER CHICK
SURVIVAL IN THE NORTH AMERICAN GREAT LAKES

[Lauren J Brudney](#), Todd Arnold, Francesca Cuthbert

11:30-11:45 305511 THE DAMAGE OF AVIAN IN "SNOW DISASTER 2008" IN NANLING
MTS., GUANGDONG, CHINA

Jianxin Zhang

11:45-12:00 305166 HOPE FOR THREATENED TROPICAL FOREST PREDATORS: LESSONS

FROM THE PHILIPPINE EAGLE CONSERVATION PROGRAM

Jayson Carungay Ibanez, Dennis Salvador, Angelito Cereno, Anna Mae Sumaya, Elsa

Delima

Symposium: Conservation Science for Giant Pandas and Their Habitat, 68030

Organised by: Ron Swaisgood, Fuwen Wei, Andy Kouba

Meeting room:112

The giant panda is considered a national treasure of China and an icon of conservation globally. If there is one species with which the Chinese are struggling to live in harmony, that species is the giant panda. The focus of the symposium is the identification of key ecological factors that influence giant panda populations and how human activities may impact these factors for good or for ill. Giant panda habitat is also among the most biodiverse in temperate ecosystems, making the more than 60 established panda reserves a case study of umbrella species protection for other fauna and flora. Most of these reserves have been established in the past decade and they are in need of conservation management strategies founded on sound science.

A significant expansion in fieldwork on giant pandas is underway and new information is emerging on critical limiting resources, landscape ecology, population ecology, movement patterns, nutritional ecology, and human-panda conflict over resources. For the foreseeable future panda conservation strategies will be implemented against a backdrop of changing scientific understanding of the species. If the Chinese people are to live in harmony with pandas and their habitat, reserve managers and government agencies will need access to the most recent scientific information and rural communities will have to be engaged in the conservation process.

14:00-18:30

Symposium: The Asian Primate Crisis: Priorities and Actions, 68294

Organised by: Yongcheng Long

Meeting room:113

Primates represent the third most diverse order of living mammals after Rodentia and Chiroptera, with 634 recognized taxa. They are also one of the most threatened, with 48% of taxa threatened globally. Asian primate species constitute 1/5th of the total primate species of the world and according to the latest red list assessment, with 71% of them are considered threatened.

Presentations in the symposium "The Asian Primate Crisis: Priorities and Actions" address these issues of

profile, policy and practice as well as the technical underpinning of conservation biology which allows an understanding of the dimensions of the crisis. With presentations addressing issues such as human-primate conflict, communities and conservation, and the issues involved with legislating and enforcing relationships between primates and humans, this symposia highlights the need for primates and humans to live in harmony. We have not yet lost a primate species in the 20th or 21st centuries. Only with a holistic approach and deep understanding of the relationships between human actions and their impacts on primates can we ensure that this does not occur in the future.

14:00-18:30

Student Award Session:

Moderator: Jon Paul Rodriguez, Instituto Venezolano de Investigaciones Cientificas

Meeting room:73

14:00-18:30

14:00-14:15 314589 THE SHRINKING ARK: LARGE MAMMAL EXTINCTIONS IN INDIA

Krithi K Karanth

14:15-14:30 314619 LARGE VERTEBRATE POPULATION DECLINES IN AFRICA'S PROTECTED AREAS

Ian Craigie

14:30-14:45 366635 EFFECTS OF URBANIZATION ON HOST-SPECIFIC WEEVIL SPECIES (COLEOPTERA: CURCULIONOIDEA) IN BEIJING

Dingcheng Huang Zhimin Su Runzhi Zhang

14:45-15:00 314997 ENSEMBLE MODELS PREDICT IMPORTANT BIRD AREAS TO BE LESS EFFECTIVE FOR CONSERVING ENDEMIC BIRDS UNDER CLIMATE CHANGE

Bernard Coetzee

15:00-15:15 315092 PREDICTING POPULATION RESPONSE TO CHANGING LAND-USE: DO GENERAL RULES IN LANDSCAPE ECOLOGY WORK?

Danielle Shanahan, Hugh P. Possingham

15:15-15:30 315335 ASSESSING THE IMPACT OF CLIMATE CHANGE ON BIRDS OF CONSERVATION CONCERN IN COLOMBIA

Jorge I Velasquez-Tibata, Catherine H. Graham, Paul G.W. Salaman

15:30-16:00 DSA Award winner

16:00-16:30 Break

Moderator: Alan Thornhill, SCB Executive Director

16:30-16:45 315670 USING INVASIVE SNAILS AS BIOCONTROL AGENTS: GUARDIANS OF HUMAN HEALTH OR THREAT TO NUTRIENT CYCLING IN TROPICAL STREAMS?

Jennifer M Moslemi, Sunny B. Snider, Alex S Flecker, James F Gilliam

16:45-17:00 315347 PRIORITIZING INVESTMENTS IN ISLAND CONSERVATION USING GLOBAL DATA ON BIODIVERSITY, BUSINESS, AND CORRUPTION

Erin McCreless, Chris Wilcox, Don Croll, Bernie Tershy, Sarah Horwath

17:00-17:15 329563 PERMEABILITY OF COMMON URBAN FEATURES TO THE MOVEMENTS OF FOREST SONGBIRDS

Marie Anne Tremblay, Colleen Cassady St. Clair

17:15-17:30 365301 DRIVERS AND IMPACTS OF LAND-USE CHANGE IN THE MAASAI-STEPPE, TANZANIA

Fortunata Urban Msoffe, Shem C Kifugo, Mohammed Yahya Said, Moses Ole Neselle, Paul van Gardingen, Robin Reid, Joseph O. Ogutu, Mario Herero,

17:30-17:45 314853 CONSERVING BIODIVERSITY THROUGH GLOBAL EFFORTS TO REDUCE CARBON EMISSIONS FROM DEFORESTATION

Oscar Venter, Wilson A. Kerrie, Takuya Iwamura, Richard Fuller, Hugh P. Possingham

17:45-18:00 315666 COEXTINCTION DYNAMICS IN CARNIVORE PARASITES

Nyeema Harris, Rob Dunn

18:00-18:30 DSA Award winner

Symposium: Forest Management and Wildlife Conservation from China and International Perspectives - Seeking Harmony of Wildlife Biodiversity and Human Demands for Forest Resources, 68456

Organised by: Yong Wang

Meeting room: 77

Forest managements affect habitat suitability of wildlife species. There exists heightened concern for wildlife biodiversity conservation by resource managers and conservationists worldwide, and it is a foundation principle of ecologically sustainable forestry. Meeting both human and wildlife goals is a challenge for forest management because forests support approximately 65% of the world's terrestrial taxa. Forests are the most species-rich environments on the planet for many wildlife groups. China faces similar and unique challenges

in forest resources management and wildlife biodiversity conservation. Suitable forest habitats for wildlife are declining. Wildlife species are probably more severely affected by human-induced environmental and habitat changes in China because of large population and rapid economic development. While forests cover 30 million ha (17% land area, ranked 122), China has had one of the highest rates of forest depletion over the past 50 years. China is among the countries with the greatest number of threatened birds and mammals. Forest exploitation and monoculture have lead to adverse consequence including loss of wildlife biodiversity. The objectives of this symposium are to provide an opportunity for forest and wildlife researchers from China and international to examine issues related to forest management practices, discuss the impact and importance of these practices to wildlife biodiversity, and share collaboration ideas for sustainable forest resource management for wildlife conservation.

14:00-14:15 An overview of the symposium

Yong Wang

14:15-14:30 Managing forests for wildlife and people: an historical perspective

Malcolm L. Hunter

14:30-14:45 Forest management and wildlife biodiversity in China: past, present, and future

Guofan Shao

14:45-15:00 Sustainable forest management practices and conservation of wildlife biodiversity in USA: past, present, and future.

Callie Schweitzer

15:00-15:15 The effect of selecttive logging on the habitat use and selection of Wapiti (*Cervus elaphus xanthopygus*) in the Wanda Mountains, Northeast China

Minghai Zhang

15:15-15:30 Response of herpetofaunal community to oak-hickory hardwood forest regenerate management practices: lessons learned

Zachary Felix

15:30-15:45 Habitat use of Reeves's Pheasant (*Syrmaticus reevesii*) in the protected areas created from forest farms in the Dabie Mountains, central China

Jiliang Xu

15:45-16:00 Impacts of management and environment factors on of bird communities in forest- grassland ecotone in East Asia

Kun Shi

16:00-16:15 Forest management and wildlife conservation in a rapidly changing world – a 25-year lesson in a 350 year journey

David Lindenmayer

Symposium:Combining Local and Scientific Knowledge to Monitor Central Asia's Ungulates,66461

Organised by: Navinder Jeet Singh, E.J. Milner-Gulland

Meeting room:87

Central Asia's rangelands and mountains are strongholds for several endemic ungulates. Little is known about the ecology of these species due to the region's remoteness and the isolation experienced by most of the countries during Soviet times. Hunting, habitat modification, increased livestock grazing and development are major current threats (Berger et al 2008; Bhatnagar et al. 2006; Robinson & Milner-Gulland 2003; Singh 2008). There is an urgent need for better monitoring to identify the size, distribution and dynamics of these populations if we are to deal effectively with these threats. The feasibility of standard scientific monitoring is greatly influenced by the remoteness of the region, low capacity and financial constraints. This is true both for species inhabiting inaccessible mountain terrain (e.g. argali) and those which are migratory over very large areas of rangeland (e.g. Mongolian gazelle, saiga).

Participatory monitoring involving local people is a practical approach to obtaining the necessary information that has been well tested elsewhere (Danielsen et al. 2005). Involving local people in monitoring and conservation of species also leads to a sense of ownership and engagement in resource management that has so far been lacking in these regions. However, further challenges in implementation include how best to structure incentives for involvement in monitoring when the animals are not continuously present in a monitor's local area, and when the monitors may well currently be illegal resource users.

14:00-16:00

Disturbance ecology

Moderator:

Meeting-room:88

14:00-14:15 315673 AMPHIBIAN AND REPTILE RESPONSE TO THINNING AND BURNING IN PINE-HARDWOOD FORESTS OF ALABAMA, U.S.A.

William Bradley Sutton, Yong Wang, Callie Schweitzer

14:15-14:30 315321 ANTHROPOGENIC CHANGE IN THE TERRESTRIAL HABITATS OF THE GALAPAGOS ARCHIPELAGO

James Edward Maxwell Watson

14:30-14:45 369069 CRAYFISH, COMPETITION AND COEXISTENCE: EXPLORING AGGRESSION AND SHELTER COMPETITION IN A NATIVE-INVASIVE CRAYFISH ASSEMBLAGE

Brett Alan Hanshew

14:45-15:00 309955 SYNERGISTIC IMPACTS OF LAND-USE, CLIMATE CHANGE AND RESOURCE AVAILABILITY ON ANDEAN BIODIVERSITY: A CASE STUDY OF DUNG BEETLES

Trond Larsen

15:00-15:15 315115 HUMAN-LEOPARD CONFLICT IN THE DECCAN REGION OF KOPPAL, CENTRAL KARNATAKA, INDIA

Usham Somarendro Singh, Kartick Satyanarayan, Geeta Seshamani, Samad Kottur, Haobijam Meitei

15:15-15:30 315726 THE EFFECTS OF LONG-TERM BURNING REGIMES ON SAVANNA SPIDER ASSEMBLAGES

Bradley Neil Reynolds

15:30-15:45 367922 THE IMPACT OF OIL EXPLORATION ACTIVITIES ON CARNIVORE AND PRIMATE POPULATIONS IN THE NORTHERN PERUVIAN AMAZON

Joseph Mark Kolowski, Alfonso Alonso

15:45-16:00 364906 AMPHIBIAN MICROCLIMATES, MASS AND ENERGY EXCHANGES IN FORESTRY TREATED HABITAT

Annette Sieg, James Robert Spotila, Michael O'Connor

Conservation in hotspots

Moderator: Tony Whitten

Meeting-room:90

14:00-14:15 314770 ADVANCES IN WILD ORCHID CONSERVATION IN GUANGXI CHINA, A GLOBAL ORCHID HOTSPOT

Hong Liu, Yi-Bo Luo, Dun Luo

- 14:15-14:30** 314934 ALL HUMAN-WILDLIFE CONFLICTS OCCUR DUE TO WILDLIFE
OVERABUNDANCE-A MISUNDERSTANDING IN HWC AREAS IN CHINA
Yufang Gao
- 14:30-14:45** 367424 AN AMPHIBIAN HOTSPOT REVISITED - DOES A FINER SCALE GIVE
NEW ANSWERS?
Johannes Penner, Annika Hillers, Matthias Herkt, Jakob Fahr, Mark-Oliver Rödel
- 14:45-15:00** 315149 EFFECTS OF HABITAT DISTURBANCE ON THE DIVERSITY OF
AMPHIBIANS AND BUTTERFLIES IN THE LOWLAND FOREST OF SINHARAJA MAB
RESERVE, SRI LANKA
Enoka Priyadarshani Kudavidanage, Chamitha D. de Alwis, Sarath S. Rajapakse,
Sarath W. Kotagama
- 15:00-15:15** 315556 FACILITATING THE PARTICIPATION OF INDIGENOUS PEOPLES IN
PROTECTED AREA MANAGEMENT: THE AGTA IN THE NORTHERN SIERRA
MADRE NATURAL PARK, THE PHILIPPINES
Tessa Minter, Jan van der Ploeg
- 15:15-15:30** 315314 EPOLAR BEAR HEARING SENSITIVITY: FUNDAMENTAL DATA ON
PERCEPTION MAY ENHANCE ESTIMATES OF NOISE-DISTURBANCE
Megan Owen, Ann E. Bowles, Samuel L Denes, Jennifer L Keating, Stefanie K
Graves, JoAnne Simerson, William Winhall
- 15:30-15:45** 306098 CAVES - THE FORGOTTEN CONSERVATION HOTSPOTS OF ASIA
Tony Whitten
- 15:45-16:00** 319299 PLANT ENDEMICITY ON HAINAN ISLAND: CONSERVATION
CHALLENGES
Javier Francisco-Ortega, Zhong-Sheng Wang, Fu-Wu Xing, Faguo Wang, Hong Liu,
Han Xu, Weixiang Xu, Yi-Bo Luo, David Boufford, Mike Maunder, Shuqing An

Protected area planning and design

Moderator:

Meeting-room:92

- 14:00-14:15** 308128 AQUATIC TOURISM PROMOTION AS AN ARSENAL IN CONSERVATION
OF NIGERIAN PROTECTED AREAS: A CASE STUDY OF OLD OYO NATIONAL

PARK,NIGERIA

Samson Oluwagbemiga Ojo

14:15-14:30 306204 CENTRAL ASIAN STRICT NATIONAL WILDLIFE REFUGES AS A PART OF
GLOBAL SYSTEM OF PROTECTED AREAS

Irina Jashenko, Roman Jashenko

14:30-14:45 314953 POTENTIAL CHEMOSIGNALS IN THE ANOGENITAL GLAND SECRETION OF GIANT
PANDAS, AILUROPODA MELANOLEUCA, ASSOCIATED WITH SEX AND INDIVIDUAL IDENTITY

Dingzhen Liu, Jian-Xu Zhang, Sun Lixin, Rongping Wei, Guiquan Zhang, Honglin Wu,
Hemin Zhang, Chenghua Zhao

14:45-15:00 315185 CONSERVING KARST LANDSCAPES: EMPHASISING CULTURAL VALUES, BUILDING
LOCAL SUPPORT FOR CONSERVATION WHILE STRENGTHENING CULTURAL
CONSTRUCTIONS OF NATURE

Mark Infield, QUANG NGOC NGUYEN

15:00-15:15 377867 PRELIMINARY STUDY ON EDGE EFFECT OF FOREST ROAD IN DINGHUSHAN

Ting Zhou, Shao-lin PENG

15:15-15:30 315337 PHYLOGENETIC DIVERSITY ASSESSMENT OF AUSTRALIAN MARSUPIALS

Mayra Pereira de Melo Amboni, Shawn Laffan, Gerry Cassis

15:30-15:45

15:45-16:00

Symposium: Common Property, Biodiversity Conservation, and Climate Change,69006

Organised by:David Barton Bray, Ashini Chhatre

Meeting room:77

Evidence accumulates that both strict protected areas and community tenure, i.e. multiple use commons with multi-scale governance, can be effective at reducing land cover change and biodiversity loss. Evidence that both can be effective in varying circumstances forces consideration of another socially desirable goal: poverty reduction. Meanwhile, climate change shuffles the habitat deck creating shifts in species distribution and abundance, with high extinction rates predicted with unchecked climate change. We examine interactions and comparisons between strict protected areas and multiple use commons institutions and poverty reduction and climate change mitigation and adaptation. We will analyze larger landscapes with varied tenure forms and their capacity to achieve biodiversity conservation and sustainable livelihoods in the context of

global climate change. Despite mounting evidence of no panaceas on an increasingly flat, hot, and crowded planet, strict protected areas are still the main institutional mechanism for biodiversity conservation globally. But many protected areas have human habitation, and democratization and development do not favor continued expansion of exclusionary institutions. Papers will examine theory and evidence from global comparisons and many world regions on an institutional architecture that may integrate protected areas and multiple use commons at larger spatial and altitudinal scales for improved governance of biodiversity conservation and sustainable livelihoods. This symposium is organized by the International Association for the Study of the Commons (IASC) and the Social Science Working Group (SSWG) of the SCB.

16:30-16:45 COMMUNITY PROTECTED AREAS, BIODIVERSITY CONSERVATION, AND CLIMATE CHANGE
MITIGATION IN MEXICO

David Barton Bray, Elvira Duran

16:45-17:00 POTENTIALS AND CONSTRAINTS TO CARBON TRADING IN CHINESE COLLECTIVE FORESTS

Jianchu Xu, Andreas Wilkes, Timm Tennigkeit

17:00-17:15 FOREST INSTITUTIONAL MOSAICS, BIODIVERSITY CONSERVATION, AND SUSTAINABLE
LIVELIHOODS IN HUMAN-DOMINATED TROPICAL LANDSCAPES

Lauren Persha, Ashwini Chhatre, Arun Agrawal, Edwin Castellanos, Rucha Gate

17:15-17:30 FOREST COMMONS AT THE INTERSECTION OF LIVELIHOODS, BIODIVERSITY, AND CLIMATE
CHANGE

Ashwini Chhatre

17:30-17:45 CONSERVATION PARADIGMS AND FOREST CHANGE: THE ROLE OF POPULATION, AFFLUENCE
AND INSTITUTIONS

Harini Nagendra, Elinor Ostrom

17:45-18:30 Discussion

Population dynamics

Moderator:

Meeting-room:87

16:30-16:45 315422 CONSERVATION IMPLICATIONS OF HABITAT USE BY THE HONG KONG NEWT,
PARAMESOTRITON HONGKONGENSIS

Wing Kan Fu, David Dudgeon, Nancy E Karraker

16:45-17:00 314979 EFFECTS OF HABITAT FRAGMENTATION ON PLANT DIVERSITY AND DYNAMICS IN

THE SUBTROPICAL EVERGREEN BROAD-LEAVED FORESTS OF YUNNAN, SW CHINA

Cindy Q. Tang

17:00-17:15 315016 GROWTH PARAMETERS OF ICELAND SCALLOP (CHLAMYS ISLANDICA) IN GILBERT BAY, LABRADOR, A MARINE PROTECTED AREA

Shanshan Liu, Joseph Wroblewski, Raymond Thompson

17:15-17:30 308145 COMPETITION AND COEXISTENCE OF SYMPATRIC PRZEWALSKI'S GAZELLE AND TIBETAN GAZELLE

Zhongqiu Li, Zhigang Jiang

17:30-17:45 319465 ESTIMATING SNOW LEOPARD (UNCIA UNCIA) POPULATIONS IN THE NEPAL HIMALAYA

Rinjan Shrestha, Eric Wikramanayake, Kamal Thapa, Gokarna Jung Thapa, Narendra Man Babu Pradhan

17:45-18:00 366858 SYNCHRONY BETWEEN MINK AND MUSKRAT FUR RETURNS IN CANADA

Catherine J. Shier, Mark S. Boyce

18:00-18:15 315681 LONG-TERM AVIFAUNA CHANGES: FIRE OR CLIMATE CHANGE?

Eduardo Gallo Cajiao, Graham H. Pyke, Culum Brown

18:15-18:30 315584 CLIMATE CHANGE IMPACTS ON THE ELK-ASPEN INTERACTION IN YELLOWSTONE, AND WHAT WE CAN DO ABOUT THEM

Jedediah Brodie

Forest conservation

Moderator: David Flaspohler

Meeting-room:88

16:30-16:45 314966 ATTRACTING EFFECTIVENESS OF ARTIFICIAL NEST-CAVITY TO DENDROCOPOS MAJOR IN POPLAR SHELTER PLANTATION AND ITS IMPLICATION FOR WOOD BORERS MANAGEMENT

Tao WAN, Junbao WEN

16:45-17:00 310119 CONSERVING LEOPARDS IN GIR LION SANCTUARY, INDIA

Usham Somarendro Singh, Jamal Ahmad Khan, Sharad Kumar, Bharat J. Pathak, B P Singh

17:00-17:15 306100 HUMAN PRESSURE ON THE DISTRIBUTION AND CONSERVATION OF RED PANDA

(AILURUS FULGENS) IN DHORPATAN HUNTING RESERVE, NEPAL

Ram Nath kandel

17:15-17:30 305770 MOVEMENTS OF NEOTROPICAL UNDERSTORY PASSERINES IN FRAGMENTED FORESTS OF THE BRAZILIAN ATLANTIC RAINFOREST

Miriam Melanie Hansbauer

17:30-17:45 365285 HABITAT PREFERENCE, REGENERATION PATTERN AND REPRODUCTIVE STRATEGY OF RELICT PLANT EMMENOPTERYS HENRYI OLIV. ON MT. TIANMU, EAST CHINA

Shang kankan, Song kun, Kang minming, Da Liangjun

17:45-18:00 314929 LONG-TERM EFFECTS OF FRAGMENTATION AND FRAGMENT SIZE ON BIRD SPECIES RICHNESS IN HAWAIIAN FORESTS NATURALLY FRAGMENTED BY LAVA FLOWS

David Flaspohler

18:00-18:15 317768 CONSERVATION STATUS OF OKAPI IN VIRUNGA NATIONAL PARK, DEMOCRATIC REPUBLIC OF CONGO

Stuart C Nixon, Thierry Lusenge, Noelle Francesca Kumpel

18:15-18:30 314983 COMMUNITY-WIDE PATTERNS OF SEED DISPERSAL IN A DRY TROPICAL FOREST AT MUDUMALAI, SOUTHERN INDIA

Soumya Prasad, RAMAN SUKUMAR

Ecology restoration

Moderator: Philip Nyhus

Meeting-room:90

16:30-16:45 315430 HOW TO SUCCEED IN THE RESTORATION OF PLANT POPULATIONS THREATENED WITH EXTINCTION ?

Nathalie Machon, Monika Zavodna, Matamoro Alexis, Olivier Gargominy

16:45-17:00 315703 COMMUNITY-BASED CONSERVATION, ECOLOGICAL RESTORATION AND ECOTOURISM AT KUYUCUK LAKE, EASTERN TURKEY

Cagan H Sekercioglu, Sean Anderson, Mehmet A Kirpik, Emrah Coban, Onder Cirik, Sedat Inak, Yakup Sasmaz

17:00-17:15 315130 OPRAH: OPTIMAL RESTORATION OF ALTERED HABITATS

Mark R. Lethbridge, Nicholas J. Souter, Michael I Westphal, Hugh P. Possingham

- 17:15-17:30** 366505 POPULATION STATUS AND DISTRIBUTION OF GHARIAL (*GAVIALIS GANGETICUS*) IN NEPAL
Madhav Khadka, Hemanta Kafley
- 17:30-17:45** 365295 PHOTOSYNTHESIS, GROWTH AND FOLIAR HERBIVORY OF FOUR *ARDISIA* SPECIES (*MYRSINACEAE*): AN INTERPRETATIVE ANALYSIS OF INVASION BY *A. ELLIPTICA*
Jin Zhao, Jin Chen
- 17:45-18:00** 315116 SURVIVAL AND BREEDING SUCCESS OF THE CRITICALLY ENDANGERED MALHERB'S PARAKEET (*CYANORAMPHUS MALHERBI*) ON MAUD ISLAND, NEW ZEALAND
Luis Ortiz-Catedral, Dianne Brunton, Mark E. Hauber
- 18:00-18:15** 364682 RESTORING WILD SOUTH CHINA TIGERS: IMPLICATIONS FOR LARGE CARNIVORE CONSERVATION IN ASIA
Philip Nyhus, Ron Tilson, Jeff Robert Muntifering, Tom Dahmer, Lu Jun, Qing Cao, Courtney Larson, Jeff Carroll
- 18:15-18:30** 365682 RESTORATION OF A DEGRADED RAIN FOREST USING THE RED-RUFFED LEMUR (*VARECIA RUBRA*)
Barbara Martinez, Onja Razafindratsima

Freshwater conservation

Moderator: Bambi Semroc

Meeting-room:92

- 16:30-16:45** 315426 A SPATIAL ASSESSMENT OF FRESHWATER ECOSYSTEMS AND WATER SUPPLY IN A SEMI-ARID ENVIRONMENT
Lindie Babara Smith-Adao, Jeanne Nel, David le Maitre, Ashton Maherry, Ernst Swartz
- 16:45-17:00** 314694 EVALUATING RECREATIONAL FISHERIES FOR AN ENDANGERED SPECIES: A CASE STUDY OF TAIMEN, *HUCHO TAIMEN*, IN MONGOLIA
Olaf Jensen, David Gilroy, Zeb Hogan, Brant Allen, Tom Hrabik, Brian Weidel, Sudeep Chandra, Jake Vander Zanden
- 17:00-17:15** 315247 INFORMING CONSERVATION AND RECOVERY STRATEGIES FOR ENDANGERED LARGE RIVER FISHES; THE RAZORBACK SUCKER *XYRAUCHEN TEXANUS* IN LAKE MEAD, USA
Jon C Sjoberg, Brandon Albrecht, Ron Kegerries, Paul B Holden

17:15-17:30 315728 REQUIEM FOR THE YANGTZE RIVER DOLPHIN: SHIFTING BASELINES, FLAGSHIP SPECIES AND ECOSYSTEM SERVICES IN THE YANGTZE

Samuel Turvey, Leigh Barrett, Yujiang Hao, Kaiya Zhou, Ding Wang

17:30-17:45 315521 COFFEE, CONSERVATION AND COMMUNITY DEVELOPMENT: RESULTS AND LESSONS LEARNED FROM IMPLEMENTING ENVIRONMENTAL AND SOCIAL STANDARDS FOR COFFEE PURCHASING

Bambi Semroc, Elizabeth Ann Baer

17:45-18:00

18:00-18:15

18:15-18:30

Wed 15 JUL 2009

Plenary Session: Mr. David B. Lindenmayer, Fenner School of Environment and Society, The Australian National University

Chair: Mr.

Meeting-room: 103-105

08:30-09:30

Title: Challenges for conservation in an age of scarcity – preventing wicked environmental problems becoming diabolical ones

The remainder of this century could well be the most challenging one for humankind. Conservation science during this time will become even more difficult than it was in the previous century. This presentation outlines some of the key challenges that I perceive must be dealt with – and dealt with in sophisticated and well articulated ways. One of these challenges is climate change. Not just dealing with rising temperatures and other changes, but truly tackling already starkly apparent and underlying environmental problems that have already been the overwhelming causes of biodiversity loss to date, and that will be magnified by future climate change. Another challenge (related to the first) is that of bio-perversity - perverse environmental outcomes arising overly narrow focus on a carbon economy. It is essential to use conservation biology principles to prevent bio-perversity and also to articulate that simplistic linear solutions to problems may not be good environmental solutions at all. A third challenge is to deal with some of the deep underlying flaws of science culture itself such as ecological fads, “epidemics of busyness”, and nature deficient disorder. The challenges for the coming century will be immense. Conservation biologists must be heavily and very positively involved in environmental debates and actions if we are to meet these challenges.

Symposium: Cost of Ensuring Biodiversity Security: Making the World Protected Areas Network Resilient to Climate Change, 68238

Organised by: Rebecca Shaw

Meeting room: 112

The ability of ecosystems to adapt naturally to climate change lies at the heart of the objectives of the United Nations Framework Convention on Climate Change (UNFCCC). Biodiversity provides the raw material necessary for the natural adaptation of ecosystems, and the UNFCCC thus places biodiversity security at a

level equivalent to energy, climate and food security. Biodiversity security can be defined as the variation of ecosystems and species such that there is an unimpaired flow of ecosystem services under current and future anticipated conditions. We have made significant investments in the conservation and management of this biodiversity security and the resultant ecosystem services necessary for human well-being. These investments are based on a static view of the world, while the world is changing. Changing climates are causing species ranges to shift and are also affecting the dynamics of processes, thus changing levels of ecosystem service supply. We need to adapt our existing management strategies to safeguard our biodiversity and ecosystem service security in the face of climate change. In this symposium, we present the first global estimate of the cost of ensuring biodiversity security in the face of climate change and use a suite of case studies from Madagascar, Chile, South Africa and California, to assess the implications of climate change for biodiversity security, the most effective adaptation strategies, the costs of adaptation; and mechanisms to finance these costs.

10:00-12:00

Symposium: New Approaches to Monitoring Biodiversity,68432

Organised by: Richard Primack, Keping Ma

Meeting room:73

The theme of the session will be innovative approaches for monitoring biodiversity. Monitoring biodiversity has been one of the central activities of conservation biology, allowing scientists to determine the health and status of particular species, the composition and structure of biological communities, and critical ecosystem processes. Past approaches are now being expanded in a number of new directions. For example, scientists are currently developing networks of citizen scientists, in many cases linked by the Internet, both to gather data over wide areas and to help educate the public about environmental issues. Scientists are also developing long-term perspectives by seeking out historical and overlooked data sets to determine how species composition has changed over time in specific places. Increasing concern for climate change also has encouraged the joint analysis of monitoring data and climate data; in many cases the impact of climate change can already be seen in changing phenology and abundance. The use of remote sensing, combined with field studies, allows monitoring over wider areas than previously possible. Improving technology and analysis allows monitoring of habitat degradation and loss with greater precision and at a finer scale. The final approach that will be using a phylogenetic approach to determine if closely related species are responding in

a similar way to environmental threats, such as climate change, and can potentially be helped with similar conservation measures.

10:00-12:00

Symposium: Measuring Progress Towards Achieving CBD Targets in the Lead up to 2010 ,68311

Organised by: Jorn Scharlemann, Neil Burgess

Meeting room:77

The theme of SCB 2009 is reconciling the needs of a still rapidly-expanding human population with the imperative of conserving what remains of biodiversity. One of the most important policy mechanisms the world has is the Convention of Biological Diversity (CBD) with its 191 parties. The CBD provides a framework of agreed conservation targets to support biodiversity conservation, which are supposed to be completed by the 10th Conference of the Parties in Tokyo in 2010. Protected area targets cover representation of biodiversity within ecological regions, forests, islands, drylands, and mountains. How well are the world's nations doing at meeting these targets and can we already predict which targets will be met, and which will be not? Moreover, can we already assess where conservation scientists might be able to assist with analyses that will be needed for the CBD CoP 10 meeting? The aim of this symposium will be to present results of recent analyses of progress towards different CBD targets, undertaken by UNEP-WCMC and a variety of conservation NGOs including WWF, TNC, CI, and BirdLife. Work will focus on protected areas, but will also encompass forest conservation and building a global network of protected sites of high biodiversity value.

10:00-10:15 Protected areas in 2008: status, coverage, and achievement of the 10% protected area target

Charles Besancon

10:15-10:30 Progress towards assessing the effectiveness of management of the worlds protected areas

Neil Burgess

10:30-10:45 Focus on forests : global status, protection and trends

Christine Schmitt

10:45-11:00 Focus on marine : marine protected areas in the coastal and high seas

Colleen Corrigan

11:00-11:15 Focus on birds : Important Bird Area gap analysis

Simba Chan

11:15-11:30 Protected Areas and the biodiversity target : gaps in the 2008 protected area network

Tom Brooks

11:30-11:45 Protected Areas as stores of global carbon : patterns and trends

Jorn Scharlemann

11:45-12:00 Panel discussion: What can conservation scientists do leading up to the 10th meeting of the Conference of the Parties to the CBD in October 2010?

Symposium: Conservation Challenges on the Roof of the World,68381

Organised by: Andrew Smith

Meeting room: 87

The high alpine grasslands/steppe of the Tibetan plateau cover approximately one quarter the area of China. Historically, the region has been characterized by a close relationship between wildlife and local pastoralists, as the high meadows are not conducive to other forms of sustainable agriculture. The theme of the SCB meeting is Harmony for Nature and Society; however, the current winds of change on the plateau more closely represent a disharmony of nature and society. In the recent past the plateau has been transformed by huge and well-funded public works projects -- fencing, construction of re-settlement villages and the concomitant re-location of the region's pastoralists, poisoning of native species, etc., all generally in the name of biodiversity conservation and sustainability. In contrast, the actual policy decisions to engage in these activities lack a clear rationale and are based more on prejudice or convenience than evidence they will work; many appear counter-productive. This symposium is designed to review the current conservation and biodiversity status of these high alpine grasslands, to show how contemporary conservation science can approach the issues of biodiversity conservation and sustainability on the plateau, and to integrate this approach with the cultural and social dimensions of the plateau's inhabitants -- primarily the pastoralist Tibetans who occupy this landscape. The participants are western scientists with vast experience working in the region, Chinese scientists, and Tibetan specialists.

10:00-12:00

Biogeography

Moderator: Mariana Moncassim Vale

Meeting-room:113

10:00-10:15 320513 COMPARATIVE ECOLOGY OF TWO DAHOMEY GAP FOREST RELICS IN BENIN (WEST-AFRICA) AND IMPLICATION FOR CONSERVATION

Méryas Dègbémabou KOUTON, Emeline Sessi Pelagie ASSEDE, Brice SINSIN

10:15-10:30 315626 ECO-FLORISTIC REGIONS AND DEFORESTATION THREATS IN SUMATRA: A NEW APPROACH TO IDENTIFY CONSERVATION NETWORK PRIORITIES

Yves Laumonier, Yumiko Uryu, Michael Stüwe, Arif Budiman, Setiabudi, Oki Hadian

10:30-10:45 315293 GLOBAL PATTERNS IN MARINE MAMMAL DISTRIBUTIONS: HOTSPOTS, COLDSPOTS, AND THE IMPLICATIONS FOR CONSERVATION

Sandra Pompa Mansilla, Gerardo Ceballos González

10:45-11:00 315369 TOWARD A BIOREGIONAL STATE: GREEN CONSTITUTIONAL ENGINEERING IDEAS, POLITICALLY INSTITUTIONALIZING CONSERVATION BIOLOGY (BOOK TALK)

Mark Whitaker

11:00-11:15 315424 UNRESOLVED DISCREPANCIES IN BIRD RICHNESS PATTERNS IN THE AMAZON

Mariana Moncassim Vale, Maria Lucia Lorini

11:15-11:30 315507 WHY INDIA HOLDS THE KEY TO TIGER RECOVERY

Uma Ramakrishnan, Samrat Mondol, Ullas Karanth

11:30-11:45 315214 NEW RECORD OF CHINESE BAT, HARRISON'S TUBE-NOSED BAT *MURINA HARRISONI* (CHIROPTERA) AND ITS KARYOLOGY

Yi Wu

11:45-12:00 320504 ENDEMICITY OF BIRDS IN CHINA BY PARSIMONY ANALYSIS

Fumin Lei

Alien and invasive species

Moderator: Guiming Wang

Meeting-room:90

10:00-10:15 315084 DRY WEATHER INDUCES HUMAN WEST NILE VIRUS OUTBREAKS

Guiming Wang, Jerrold L. Belant

10:15-10:30 365324 FIELD EVALUATION OF GONACON FOR REDUCING FECUNDITY IN GRAY SQUIRRELS IN URBAN AREAS

Murali Pai, Greg Keith Yarrow

10:30-10:45 314976 UTILIZING LANTANA CAMARA TO RESTORE NATIVE BIODIVERSITY AND ENHANCE THE LIVELIHOOD OF THE FOREST FRINGE COMMUNITIES IN THE WESTERN GHATS, INDIA

Ramesh Kannan, Gladwin Joseph, Uma Shaanker, Kamal Bawa

10:45-11:00 320536 INVASIVE PLANTS DISTRIBUTION PATTERN AND ASSOCIATION IN THE SOUTHERN U.S.

Songlin Fei, Ningning Kong

11:00-11:15 368274 RESOURCE OVERLAP AND POTENTIAL COMPETITION BETWEEN INVASIVE RED-EARED SLIDER TURTLES AND NATIVE RED-BELLIED TURTLES IN PENNSYLVANIA, U.S.A.

Steven Pearson, Harold Weeks Avery

11:15-11:30

11:30-11:45

11:45-12:00

Marine conservation

Moderator: Robbin Elizabeth Peach

Meeting-room:92

10:00-10:15 315064 FUNCTIONAL LOSS OF CARIBBEAN REEFS: IMPACTS OF CORAL DECLINE FOR REEF ARCHITECTURE

Lorenzo Alvarez-Filip, Nicholas K Dulvy, Jennifer Agnes Gill, Isabelle M Côté, Andrew R Watkinson

10:15-10:30 315194 GOVERN ANCE OF MARINE PROTECTED AREAS IN CHINA

Wanfei Qiu, Peter JS Jones

10:30-10:45 366495 HOW INVADING SPECIES AVOID INFECTION: PARASITES AND IMMUNOCOMPETENCE IN THE GREEN CRAB *CARCINUS MAENAS*

Claudia M. Zetlmeisl, Trevor Petney, Horst F. Taraschewski

10:45-11:00 306989 RAPID AND PRECISE UNDERWATER ECOSYSTEM ASSESSMENT ALONG THE EASTERN PACIFIC MARINE BIOLOGICAL CORRIDOR

Luis Camilli

11:00-11:15 366622 SEA-USE MANAGEMENT: A TOOL FOR CONSERVATION AND ECONOMIC GROWTH

Robbin Elizabeth Peach

11:15-11:30 319607 CHICKENFEED: FISHING FOR SCRAPS IN AN UNCERTAIN SEA

Aaron Savio Lobo, Andrea Manica, Andrew Balmford, Rohan Arthur

11:30-11:45 315091 SPATIAL ZONING FOR FISHING AND MARINE CONSERVATION: A CASE STUDY FROM CALIFORNIA

Carissa Joy Klein, Charles Steinback, Matthew Watts, Astrid Scholz, Hugh P. Possingham

11:45-12:00

Symposium: Conserving Southeast Asia's Imperiled Biodiversity – Scientific, Management, and Policy Challenges, 66450

Organised by: Lian Pin Koh

Meeting room:112

Southeast Asia was almost entirely covered by rainforest 8,000 years ago. Today, this region is experiencing the highest relative rates of deforestation and forest degradation in the humid tropics. Every year, an estimated 15.4 million ha of tropical forest is destroyed, with an additional 5.6 million ha being degraded. If deforestation were to continue at the current rate, Southeast Asia could lose 13-42% of regional populations of all species by the turn of the next century, at least 50% of which could represent global species extinction, given the high concentration of endemic species in the region. In this symposium, we will discuss the drivers of forest destruction (logging, industrial agriculture, invasive species, climate change, and fire), threats to the region's unique ecosystems and taxa (limestone karst, peat swamp forest, and large mammals), and key conservation challenges (importance of secondary forests, challenges for forest restoration, socioeconomic and legislative challenges, and challenges for carbon payment schemes) to provide a comprehensive review of the science, management and policy issues concerning biodiversity conservation in Southeast Asia. SCB 2009 in Beijing, with its theme "Conservation: Harmony for Nature and Society" provides the perfect opportunity to highlight the need for a multi-pronged strategy requiring all major stakeholders to work together to achieve the ultimate goal of reconciling biodiversity conservation and human well-being in the region.

14:00-14:15 BIOGEOGRAPHY OF SOUTHEAST ASIA

David S. Woodruff, University of California San Diego

14:15-14:30 THE VALUE OF LOGGED TROPICAL FORESTS: LESSONS FROM NORTHERN BORNEO

Keith Hamer, University of Leeds

14:30-14:45 IS OIL PALM THE BIGGEST THREAT TO SOUTHEAST ASIA'S BIODIVERSITY?

Lian Pin Koh, Swiss Federal Institute of Technology (ETH Zurich); David Wilcove, Princeton University

14:45-15:00 IMPACTS OF INVASIVE SPECIES IN SOUTHEAST ASIA

Richard T Corlett, National University of Singapore

15:00-15:15 BIOMASS FIRES, HUMANS AND CLIMATE CHANGE IN INTER-TROPICAL SOUTH EAST ASIA

David Mark Taylor, Trinity College University of Dublin

15:15-15:30 TRIO UNDER THREAT: IS THERE HOPE FOR RHINOS, ELEPHANTS AND TIGERS IN MALAYSIA?

Reuben Clements, WWF-Malaysia; John Payne, WWF-Malaysia

15:30-15:45 IMPOSING GOVERNMENTALITY AND LIMITING LIVELIHOODS: THE EFFECTS OF CREATING A 'CONSERVATION SUBDISTRICT' IN THE LORE LINDU NATIONAL PARK, INDONESIA

Gregory Lawrence Acciaioli, The University of Western Australia

15:45-16:00 LOOKING BEYOND: CONSERVING SOUTHEAST ASIA'S IMPERILED BIODIVERSITY – SCIENTIFIC, MANAGEMENT, AND POLICY CHALLENGES

Navjot S Sodhi, National University of Singapore; Lian Pin Koh, Swiss Federal Institute of Technology (ETH Zurich)

Symposium: Balance, Harmony, Power: Evaluating Trade-offs in Resource Conservation, Conversion, and Extraction in Protected Area, 68389

Organised by: Paul Hirsch

Meeting room: 73

This symposium brings together researchers from several countries who are partnering to develop conceptual and practical tools that address the issue of trade-offs between conservation and development. We are particularly interested in trade-offs that have been under-appreciated or under-communicated, such as those due to the multi-scalar nature of social and natural systems, and those due to disparities in values, perspectives, and power. Our exploration of trade-offs will be developed around a series of case studies involving either resource extraction (e.g. mining and hydrocarbons) or resource conversion (e.g. bio-fuels, oil palm production) activities taking place in and around critical protected areas. Following a conceptual overview, we will explore the ways in which trade-offs are treated in recent, pending, or historic decisions, and explore the extent to which disparities in scale, values, perspectives, and power might be reconciled through 1) mechanisms that strive for "balance" by placing an economic value on natural systems and

compensating those that protect or produce that value; 2) processes that seek "harmony" by promoting fairness and inclusivity in conservation and development decision-making and/or 3) the positioning of the issue within the public debate to involve a broader audience. Crucially, presenters will also explore the extent to which the influence of power (whether in overt or subtle forms) may cause even the most enlightened attempts at achieving either balance or harmony to be ineffective, manipulative, or counterproductive.

14:00-16:00

Mammal Conservation

Moderator:

Meeting-room:113

14:00-14:15 368708 THE EFFECT OF SELECTIVE LOGGING ON THE HABITAT USE AND SELECTION OF WAPITI (CERVUS ELAPHUS XANTHOPYGUS) IN THE WANDASHAN MOUNTAINS, NORTHEAST CHINA

Minghai Zhang, Changzhi Zhang, Yankuo Li

14:15-14:30 315653 PHYLOGENY, TAXONOMY AND DISTRIBUTION OF CRESTED GIBBONS (GENUS NOMASCUS) AND IMPLICATIONS FOR THEIR CONSERVATION

Thinh Van Ngoc, Christian Roos

14:30-14:45 315159 ECONOMIC COSTS OF LIVESTOCK DEPREDAATION BY TIGER IN AND AROUND THE CORBETT TIGER RESERVE

Sharad Kumar, Jamal Ahmad Khan

14:45-15:00 315356 STATUS AND CONSERVATION OF SMALL CARNIVORES (MUSTELIDAE, VIVERRIDAE, PRIONODONTIDAE, HERPESTIDAE, FELIDAE) IN MONTANE TROPICAL FOREST OF NORTHERN LAOS

Arlyne Johnson, Chanthavy Vongkhamheng

15:00-15:15 320490 QUIET LOSS: COULD PHYSIOLOGICAL STRESS BE CONTRIBUTING TO GRADUAL DECLINE OF 'NON-THREATENED' VERTEBRATE SPECIES IN FRAGMENTED HABITATS?

Christopher Perry Johnstone, Alan Lill, Richard Reina

15:15-15:30 317837 ALTITUDINAL RANGING OF WESTERN BLACK CRESTED GIBBON IN WULIANG, YUNNAN: RESPONDANCE TO HUMAN DISTUBANCE IN LOWER ZONE AND FOOD SCARCITY IN HIGHER ZONE

Peng-Fei Fan, Xuelong Jiang

15:30-15:45 365184 DISTRIBUTION, ABUNDANCE AND CONSERVATION OF THE INDO-PACIFIC HUMPBACK DOLPHIN IN CHINA

Guang Yang, Bingyao Chen, Dongmei Zheng, Xinrong Xu, Kaiya Zhou

15:45-16:00 366660 LARGE AND FINE SCALE GENETIC CHARACTERIZATION OF JAGUARS (PANTHERA ONCA) THROUGHOUT THEIR RANGE

Cristina Pomilla, Bart J. Harmsen, Rebecca J. Foster, Allison Devlin, Cecilia Bartholomew, Carly H Vynne, Samia Carrillo-Percastegui, Leonardo Maffei, José Moreira, Benoit de Thoisy, George Amato

urban area conservation

Moderator: Ric A How

Meeting-room:77

14:00-14:15 368049 COMPARISON OF ORGANIZATION STRUCTURE OF INSECT DIVERSITY ALONG AN URBANIZATION GRADIENT

Zhimin Su, Dingcheng Huang, Runzhi Zhang

14:15-14:30 315090 DEMISE OF FAUNA IN URBAN VEGETATION REMNANTS: PERTH, A CASE STUDY IN A GLOBAL BIODIVERSITY HOTSPOT

Ric A How

14:30-14:45 314921 CHALLENGES AND GUIDELINES TO BRIDGE THE GAP OF HABITAT RESEARCH AND REAL-WORLD INTEGRATION OF HABITATS IN URBAN LANDSCAPE BY PLANNING/DESIGN

Zhifang Wang

14:45-15:00 315440 IMPORTANCE OF TADPOLES TO STREAM COMMUNITIES IN TROPICAL ASIA

Nancy E Karraker, David Dudgeon

15:00-15:15 314954 STUDY AND APPLICATION ON DISTRIBUTION OF MERCURY AND ARSENIC IN TREE SPARROW IN WINTER IN MUDANJIANG

Yu Zhang

15:15-15:30 365121 TRACKING BIRDS MIGRATING AT NIGHT THROUGH AN URBAN-RURAL CORRIDOR AND QUANTIFYING THE EFFECTS OF LIGHT AND NOISE POLLUTION

J Alan Clark, Rachel Bricklin

15:30-15:45

15:45-16:00

Recovery of endangered species

Moderator: Jon Davis

Meeting-room:87

14:00-14:15 365411 CONSERVATION BIOLOGY OF TANICHTHYS ALBONUBES

YI ZUSHENG

14:15-14:30 314999 CONSERVATION OF ENDANGERED ENGLISH YEW (TAXUS BACCATA L.)
POPULATIONS IN THE EASTERN ALPS

Amalesh Dhar, Harald Vacik, Bernhard Aigner, Gerald Oitzinger, Herwig Ruprecht, Raphael Klumpp

14:30-14:45 314968 ESTIMATING TIGER ABUNDANCE IN THAILAND'S WESTERN FOREST COMPLEX AS
GLOBALLY IMPORTANT LANDSCAPE FOR RECOVERY OF INDOCHINESE TIGER POPULATIONS

Somphot Duangchantrasiri, Saksit Simcharoen, Anak Pattanavibool, Mayuree Umponjan, Ullas Karanth

14:45-15:00 315376 ASSESSING AMPHIBIAN MARKING TECHNIQUES IN RECENT TOAD METAMORPHS:
RELIABILITY, EFFECTS ON SURVIVORSHIP AND PHYSIOLOGY, AND CONSERVATION
IMPLICATIONS

Jon Davis, Stephanie Cassel, Andy Kouba

15:00-15:15 366499 COMPLEX EX SITU - IN SITU APPROACH FOR CONSERVATION OF ENDANGERED
PLANT SPECIES AND ITS APPLICATION TO IRIS ATROFUSCA OF THE NORTHERN NEGEV

Sergei Volis, Michael Blecher, Yuval Sapir

15:15-15:30 315344 MANAGEMENT PRIORITIES FOR 700 OF NEW ZEALAND'S MOST THREATENED
SPECIES: COST-EFFECTIVENESS ANALYSIS AND STOCHASTIC LEAGUE TABLES

Liana Nicole Joseph, Richard Maloney, Hugh P. Possingham,

15:30-15:45 315188 FATAL ATTRACTION: RARE SPECIES IN THE SPOTLIGHT

Franck Courchamp

15:45-16:00

Wetland conservation

Moderator:

Meeting-room:92

14:00-14:15 315397 COMPENSATORY MITIGATION FOR WETLAND LOSSES: PRACTICAL LESSONS

Ron Abrams

14:15-14:30 315182 ESTIMATING THE POPULATION SIZE AND DEMOGRAPHIC PARAMETERS OF GREATER WHITE-FRONTED GEESE WINTERING IN JAPAN

Sachiko Moriguchi, Tatsuya Amano, Katsumi Ushiyama, Go Fujita, Hiroyoshi Higuchi

14:30-14:45 305762 RESTORATION AND MANAGEMENT STRATEGIES OF WETLANDS OF WORLD FAMOUS KAZIRANGA NATIONAL PARK, ASSAM (INDIA)

ARUP KUMAR HAZARIKA, Amalesh Dutta,

14:45-15:00 329643 STATUS, DISTRIBUTION AND CONSERVATION OF FRESHWATER TURTLES OF SINDH PROVINCE, PAKISTAN

Muhammad Zaheer Khan, Zaheer Muhammad Khan

15:00-15:15 329637 THE ECOLOGICAL SENSITIVITY EVALUATION IN YELLOW RIVER DELTA NATIONAL NATURAL RESERVER

Song Xiaolong, Li Xiaowen, Bai Junhong, Li Cong, Zheng Yu

15:15-15:30 366342 HOODED CRANE BREEDING POPULATION AND THEIR CONSERVATION IN CHINA

Guo Yumin, Jiao Shengwu, Wang Fupeng, Gu Yanchang, Liu Baocai

15:30-15:45 315019 BIODIVERSITY CONSERVATION PROJECT OF THE MARIN PARK OF MANGROVES IN THE DEMOCRATIC REPUBLIC OF CONGO

Patrick KONGO KIPALU

15:45-16:00 365291 DISCOVERY OF MIGRATION HABITAT AND ROUTES OF WILD BIRD SPECIES

Tang Mingjie, Cui Peng, Wang weihang

Community-driven conservation

Moderator:

Meeting-room:90

14:00-14:15 314957 ASSESSING FARMERS AND FOREST WATCHERS EFFORTS IN MITIGATION OF HUMAN-ELEPHANT CONFLICT IN SOUTHERN INDIA

Kumaran Surendra Varma, Vijay Dhinakaran Anand, Ashok Kumar K, Gopalakrishna S P

14:15-14:30 306649 CUSTOMARY FOREST TENURE IN SOUTHERN MADAGASCAR : A CONTRIBUTION TO BIODIVERSITY CONSERVATION BUT INCOMPATIBLE WITH CONTEMPORARY CONSERVATION POLICY

Hugh Barry Ferguson

14:30-14:45 308030 FOREST QUALITY AND ROLE OF INSTITUTION IN A TROPICAL FOREST: A CASE STUDY ON BICHHABHANGA FOREST AREA, GARUMARA NATIONAL PARK, WEST BENGAL

Sampa Sarkar, Animesh Sarkar

14:45-15:00 305913 TRADITIONAL FOREST-BEEKEEPING ARRANGEMENT: A SUCCESSFUL FOREST CONSERVATION STRATEGY IN SOUTHWEST ETHIOPIA

Tefera Belay Endalamaw, Freerk Wiersum

15:00-15:15 303455 TRIBAL COMMUNITY DEER SANCTUARY IN KIMANGKIL MOUNTAINS

Gliceto Olarte Dagondon

15:15-15:30 320344 DIRECT PAYMENTS FOR BIODIVERSITY CONSERVATION: COMPARISON OF THREE SCHEMES FROM CAMBODIA

Thomas John Clements

15:30-15:45 307084 ASSESSING THE EFFICACY OF CHILLI-TOBACCO REPELLENT ON ASIAN ELEPHANTS IN HIGH HUMAN-ELEPHANT CONFLICT REGION OF SOUTHERN INDIA

Vijay Dhinakaran Anand, Surendra Varma, Gopalakrishna SP

15:45-16:00

Thus 16 JUL 2009

Plenary Session: Mr.

Chair: Mr.

Meeting-room:103-105

08:30-09:30

Title:

Symposium: Long Distance Wildlife Migrations in Asia: Understanding and Conserving these Spectacular Ecological Processes , 68302

Organised by: Amanda Elizabeth Fine, Lisa Hickey

Meeting room:77

The grasslands, seas, high plateaus and mountains of Asia support some of the world's last spectacular long distance migrations of wildlife. The "harmony of nature and society" or the way we (citizens, scientists, conservationists, and local governments) work to balance the development of these regions with the conservation of the habitats that support the ecological processes of migration is one of the greatest challenges of our time. There is little global awareness of the occurrence of these spectacular Asian migrations and our understanding of the processes which drive and support them is limited. It is critical to understand all aspects of the patterns of these migrations and investigate what drives the changes (climate change, habitat fragmentation or resource availability?) observed over time. The very nature of long distance migrations inevitably means that wildlife will cross jurisdictional and geo-political boundaries in search of the resources necessary for their survival. It is critical for us as conservation scientists to collect and share the information necessary to inform management policy that will insure the protection of key resources that support these migrations. Collectively we are obliged to offer creative solutions to the conflicts between "nature and society" that threaten the harmony of these processes and our world.

10:00-12:00

Symposium: Making Ecosystem Services Count: Real-world Progress from Africa , 67956

Organised by: Andrew Balmford, Neil Burgess, Brendan Fisher, Belinda Reyers

Meeting room:92

As the theme of SCB 2009 makes clear, reconciling the needs of a still rapidly-expanding human population with the imperative of conserving what remains of wild nature is perhaps mankind's most pressing challenge. One promising approach involves integrating the value of ecosystem services into mainstream decision-making. There has been much recent progress in developing concepts and frameworks for achieving this, but the practical application of these ideas remains limited by patchy understanding of how services are generated, a shortage of empirical data, and inexperience in engaging with relevant decision-makers. This Symposium will show how a raft of state-of-the-art projects working in Africa are together addressing these challenges. Beginning in Tanzania, talks will explain how a major programme in the Eastern Arc Mountains is building sophisticated models of seven key services; report progress on parameterising two of the most significant; illustrate the use of participatory scenario-building to explore the consequences of alternative development decisions and climate change; and explain how this work will inform REDD and other Tanzanian policy priorities. Real-world examples from South Africa will then quantify the impacts of land cover change on ecosystem services and human wellbeing in a semi-arid landscape, and set out bold new, national-scale initiatives already being implemented - one focused on commercial users paying for watershed restoration, and a second linking ecosystem restoration to large-scale poverty alleviation.

10:00-12:00

Symposium: Lessons Learned from the International Marine Conservation Congress and Future Directions in Marine Conservation , 66566

Organised by: John Anthony Cigliano, Ellen Hines

Meeting room:88

The International Marine Conservation Congress (IMCC), the first stand-alone meeting of the Marine Section of the Society for Conservation Biology, is an interdisciplinary meeting that will engage natural and social scientists, managers, policy-makers, and the public. The congress will also serve as the 2nd International Marine Protected Areas Congress (IMPAC2). The goal of the IMCC is to put conservation science into practice through public and media outreach and the development of science-based deliverables that can be used to drive policy change and implementation. Themes to be addressed in the congress include global climate change, land-sea interface, ecosystem-based management, and poverty and globalization. The congress will also be organized by cross-cutting issues that encompass topics of global relevance and importance to marine conservation and relate to the major themes: marine protected areas, education, outreach and capacity

building, governance arrangements, fisheries and aquaculture, and economics. This symposium will report on the lessons learned from this congress and, through interactive discussions with symposium participants, identify gaps and future directions in marine conservation science and practice. Many of these issues are of critical importance to marine conservation in China and will be addressed during the presentations and discussions. Participants will be chosen from IMCC events and plenaries.

10:00-10:15 FISHERIES AND AQUACULTURE

John A. Cigliano, Olaf Jensen

10:15-10:30 ECOSYSTEM-BASED MANAGEMENT

Dorothy Dick

10:30-10:45 MARINE PROTECTED AREAS: THOUGHTS FROM IMCC/IMPAC2

Amber Himes

10:45-11:00 POVERTY AND GLOBALIZATION AS GOVERNANCE CHALLENGES

Katheryn Patterson

11:00-11:15 GLOBAL CLIMATE CHANGE

Leslie Anne Cornick

11:15-12:00 Discussion

Invertebrate conservation

Moderator:

Meeting-room:87

10:00-10:15 306115 FIRE AND TERMITES IN A SOUTHERN AFRICAN SAVANNA: IS THERE A LONG-TERM RELATIONSHIP?

Andrew Byron Davies, Catherine Parr, Berndt Van Rensburg

10:15-10:30 315196 THE ALLEE EFFECTS IN INVASIVE ANT SPECIES

Gloria M. Luque

10:30-10:45 369317 THE INBREEDING HISTORY OF A POPULATION INFLUENCES MATING DECISIONS: CASE STUDY IN BARK BEETLES

Daphna Gottlieb

10:45-11:00 315451 THE VALUE OF RARITY : A NEW THREAT FOR ANIMALS OF HOBBY COLLECTIONS

Pierline tournant, Koichi Goka, Franck Courchamp

11:00-11:15 305175 WILDLIFE RESERVE "AKSU-DZHABAGLY" AS A MAIN ELEMENT OF BIODIVERSITY

CONSERVATION IN WEST TIEN SHAN

Irina Jashenko, Roman Jashenko

11:15-11:30 315341 BIOLOGICAL DIVERSITY STUDY OF BENTHIC MACROINVERTEBRATES IN JIANGSU SURFACE WATER

Yong Zhang

11:30-11:45

11:45-12:00

Conservation modeling

Moderator:

Meeting-room:73

10:00-10:15 315203 BIODIVERSITY, ARE WE MISSING SOMETHING? SPECIES DETECTABILITY AND EXTINCTION

David Lesford Roberts

10:15-10:30 306614 CONSIDERING THE INTERACTION BETWEEN CONNECTIVITY AND ANTHROPOGENIC THREATS IN DYNAMIC RESERVE DESIGN: THE NEIGHBOURHOOD VULNERABILITY APPROACH

Piero Visconti, ROBERT L PRESSEY, Daniel Segan, Matthew Watts

10:30-10:45 315097 HABITAT VULNERABILITY IN CONSERVATION PLANNING. WHEN DOES IT MATTER AND HOW MUCH?

Piero Visconti, ROBERT L PRESSEY, Daniel Segan

10:45-11:00 315222 HOW TO ADDRESS CONNECTIVITY FOR MULTIPLE SPECIES IN MULTIPLE LANDSCAPES: EXAMPLE FROM BIRDS OF THE ATLANTIC FOREST, BRAZIL

Guy Pe'er, Miriam Melanie Hansbauer, Klaus Henle, Cristina Banks-Leite, Alexandre Camargo Martensen, Jean Paul Metzger, Karin Frank

11:00-11:15 315312 THE RETURN OF THE SAKER FALCON IN BULGARIA - A DREAM OR A CHALLENGE THAT CAN BE ACHIEVED? AN EX-SITU PERSPECTIVE

Elena Kmetova, Dimitar Ragyov, Andrew Dixon

11:15-11:30 315266 SETTING CONSERVATION PRIORITIES FOR TROPICAL ANDEAN BUTTERFLIES USING MUSEUM AND FIELDWORK DATA

BLANCA CECILIA HUERTAS HERNANDEZ, Keith Willmott

11:30-11:45

11:45-12:00

Scientists and managers: bridging the gap

Moderator:

Meeting-room:90

10:00-10:15 306318 CHEMICAL COMMUNICATION IN PARROTS WITH A SPECIFIC EMPHASIS ON THE KAKAPO (STRIGOPS HABROPTILUS)

Anna Clarissa Gsell, Dianne Brunton

10:15-10:30 315593 INCORPORATING OUTREACH PRACTICE INTO ACADEMIC CONSERVATION PROGRAMS

Annette May Meredith

10:30-10:45 365279 INTEGRATING SCIENTIFIC METHODS WITH ADAPTIVE MANAGEMENT FOR RECOVERY OF THE CRITICALLY ENDANGERED GRAND AND OTAGO SKINKS

James Thomas Reardon

10:45-11:00 310103 PROTECTING WILD TIGERS: DEVELOPING A RANGE-WIDE SITE-BASED APPROACH FOR MONITORING LAW ENFORCEMENT EFFECTIVENESS

Emma Jane Stokes, Saw Htun, Arlyne Johnson, Hannah O'Kelly, Anak Pattanavibool, Samantha Strindberg, Kevin Sallee

11:00-11:15 315407 HOW USEFUL IS PATROL DATA FOR MONITORING PATTERNS OF ILLEGAL RESOURCE USE?

Aidan Keane, Julia Jones, E.J. Milner-Gulland

11:15-11:30

11:30-11:45

11:45-12:00

Symposium: Restoration of Large River Ecological Functions for Biodiversity Conservation: Case Studies from China and USA ,66525

Organised by: Robert Jacobson

Meeting room:73

Large rivers like the Yangtze, Mississippi, Missouri and Colorado are at the forefront of conservation because hydrological alteration and other human activities are known to be serious threats to the rich biodiversity in these freshwater ecosystems. While the issues on each river are unique, there has been a common trend towards restoring ecological functions as one way to conserve and restore freshwater biodiversity. This symposium will provide a platform for scientists from China and USA to share their research and management experiences from completed studies and to help design future experiments.

The proposed symposium will bring valuable lessons learned in the realm of adaptive management to the international audience. The speakers are respected, active experts of their respective rivers. Collectively, they bring successful stories of multi-disciplinary scientists (e.g., biologists, hydrologists, engineers) working together to solve a common problem. The societies of China and USA are substantially different in many aspects, including social structures, stages of economic development, and near-term national priorities, and their shared experiences will be of great interest to a broad audience.

14:00-14:20 A BLUEPRINT FOR BIODIVERSITY CONSERVATION IN THE UPPER YANGTZE RIVER BASIN

Longzhu Wang, Michael Heiner, Qian Yu, Xinhai Li, Ruidong Wu, Peng Zhao, Jing Bi

14:20-14:40 PROPAGATION AND RESTORATION OF FRESHWATER MUSSELS (BIVALVIA:UNIONIDAE) TO RECOVER THE BIOLOGICAL DIVERSITY OF RIVERS IN THE UNITED STATES

Dan Hua, Richard J. Neves,

14:40-15:00 ADAPTIVE MANAGEMENT OF THE COLORADO RIVER IN GRAND CANYON: INTEGRATING SEDIMENT, FLOW AND TEMPERATURE MONITORING WITH MODELING AND FIELD EXPERIMENTS

Theodore Steven Melis

15:00-15:20 DESIGN OF A NATURALIZED FLOW REGIME: AN EXAMPLE FROM THE LOWER MISSOURI RIVER, USA

Robert Jacobson, David Galat

15:20-15:40 BIOLOGICAL RESPONSES TO EXPERIMENTAL NON-FLOW TREATMENTS AND GLEN CANYON DAM RELEASES IN THE COLORADO RIVER, GRAND CANYON, ARIZONA, USA

Matthew Eric Andersen

15:40--16:00 Discussion

Fish Conservation

Moderator:

Meeting-room:77

14:00-14:15 315465 ANTHROPOGENIC EFFECTS ON THE CONDITION OF INTRODUCED TILAPIAS IN UGANDAN CRATER LAKES

Jackson Efitre, Lauren Chapman, Debra J. Murie

14:15-14:30 315693 CONSERVATION STATUS OF BULGARIAN ICHTHYOFAUNA

Milena Nikolova Pavlova, Luchezar Zlatev Pehlivanov

14:30-14:45 315542 A PRELIMINARY ASSESSMENT ON THE STATUS OF PYGMY SEAHORSES (SYNGNATHIDAE) IN SABAH, MALAYSIA

Choo Chee Kuang, Yeong Yee Ling, Juanita Joseph, Orosco A Christine

14:45-15:00 315514 ARTISANAL SHARK FISHERIES OF THE INDIAN OCEAN ISLANDS OF COMOROS AND MAURITIUS: THEIR STATUS AND PRELIMINARY THREAT ASSESSMENT

Christopher Narinder Singh Poonian, Maoulida Kamal, Melissa Hauzer, James Beeharee, Paul Ivory

15:00-15:15 315371 CONSERVING PACIFIC SALMONIDS IN A CHANGING CLIMATE

Doug Demko, Harmony Patricio

15:15-15:30 329160 NATIVE FISH REINTRODUCTIONS: WHY IS THERE VARIATION IN PERSISTENCE AMONG ANCESTRAL GROUPS OF SLIMY SCULPINS?

David D Huff, Loren Miller, Bruce Vondracek

15:30-15:45

15:45-16:00

Inventory and monitoring

Moderator:

Meeting-room:87

14:00-14:15 315274 DETERMINANTS OF ROOST DYNAMICS AND ABANDONMENT OF 8 UK BAT SPECIES

Stephen David Gregory, Philip Briggs, Karen Haysom, Franck Courchamp

14:15-14:30 315398 DUGONG FEEDING PATTERNS, FOOD PREFERENCES AND PROSPECTS FOR CONSERVATION IN PULAI RIVER ESTUARY, MALAYSIA

Anna Norliza Bt Zulkifli Poh, Choo Chee Kuang

14:30-14:45

14:45-15:00 310193 POPULATION STATUS OF WILD YAK (BOS MUTUS) IN THE ARJINSHAN NATURE RESERVE, XINJIANG CHINA

Paul Jason Buzzard, Huibin Zhang, Donghua Xu, *Howman Wong

15:00-15:15 314981 SPATIAL AND TEMPORAL BIAS IN BIODIVERSITY DATA

Elizabeth Boakes, Philip McGowan, Richard Fuller, Chang-Qing Ding, Natalie Clark, Kim O'Connor, Georgina Mace

15:15-15:30 365911 IRRUPTIVE GROWTH OF REINTRODUCED ELK IN KENTUCKY: LOOMING MANAGEMENT AND CONSERVATION CHALLENGES

John Jobe Cox, Lauren Dahl, Karen Alexy, Willie Bowling, Songlin Fei, David Unger, David Maehr

15:30-15:45 315661 ANDEAN BEAR (TREMARCTOS ORNATUS) DIFFERENTIAL CONSUMPTION OF THE GIANT GROUND BROMELIAD (PUYA CLAVA-HERCULIS); IS THERE A NUTRITIONAL EXPLANATION?

Kristina Timmerman, Ellen Dierenfeld

15:45-16:00

Environmental politics and policy

Moderator:

Meeting-room:88

14:00-14:15 315443 AFGHANISTAN: CONSERVATION IN A COUNTRY IN CONFLICT

Peter Smallwood

14:15-14:30 306064 ASSESSING PROGRESS TOWARDS THE 2010 BIODIVERSITY TARGET: A CONCEPTUAL FRAMEWORK FOR DEVELOPING POLICY-RESPONSE INDICATORS

Neeraj Khera, Sebastian Winkler, Andras Krolopp

14:30-14:45 315563 BIODIVERSITY INVESTMENTS PORTFOLIO-MECHANISMS FOR HARMONISING CONSERVATION AND DEVELOPMENT

Kiruben Naicker

14:45-15:00 302732 BIOECONOMIC MODELLING OF FISHERY CONSERVATION POLICIES IN THE PHILIPPINES

Maria Rebecca Alviar Campos

15:00-15:15 367945 CONSERVATION REALISM: FAILURE, SUCCESS AND OPPORTUNITY FOR ECOSYSTEM AND BIODIVERSITY CONSERVATION IN MEXICO.

Ernesto C. Enkerlin-Hoeflich

15:15-15:30 315136 THE ROLE OF SOCIAL POLLUTION IN DEPLETION OF NATURAL RESOURCES AND POVERTY ENHANCEMENT IN PAKISTAN

Abdullah Khan, Habib Ahmad

15:30-15:45 369296 BIO-ETHANOL IN MALAWI-PROSPECTS AND CHALLENGES FOR COMMUNITY PARTICIPATION

Mxolisi Sibanda, Enos Shumba

15:45-16:00

Community-driven conservation

Moderator:

Meeting-room:90

14:00-14:15 315519 POPULATION STATUS OF MYRISTICA DACTYLOIDES GAERTN. - THRETNED TREE SPECIES IN SACRED FORESTS OF CENTRAL WESTERN GHATS
RAGHAVENDRA SHIVALINGAIAH

14:15-14:30 315068 EVALUATING INTEGRATED CONSERVATION AND DEVELOPMENT: CONFLICT RESOLUTION AND MOUNTAIN GORILLA CONSERVATION AT BWINDI IMPENETRABLE NATIONAL PARK, UGANDA

Julia Baker, Nigel Leader-Williams, E.J. Milner-Gulland

14:30-14:45 315142 SUPPORTING CONSERVATION OF WETLANDS AREAS THROUGH COMMUNITY-BASED WASTE MANAGEMENT IN JAKARTA - AS A MODEL OF URBAN AREA

Enny Sudarmonowati, Hendra Aquan, Edy Sutrisno, Ady Kristanto

14:45-15:00 315620 INDIGENOUS KNOWLEDGE AS CONSERVATION SCIENCE: THE CASE OF KAM SWEET RICE VARIETIES IN GUIZHOU, CHINA

Jason Yu-Xiao Long

15:00-15:15 315156 TOURISM, LOCAL LIVELIHOOD AND CONSERVATION: A CASE STUDY IN INDIAN SUNDARBANS

INDRILA GUHA, Santadas Ghosh

15:15-15:30

15:30-15:45

15:45-16:00

Landuse planning for conservation

Moderator:

Meeting-room:92

14:00-14:15 315261 AN APPROACH FOR SETTING MINIMUM PROTECTED AREA SIZE IN SYSTEMATIC CONSERVATION ASSESSMENTS

Robert J Smith, Enrico Di Minin, Simon Linke, Daniel Segan, Hugh P. Possingham

14:15-14:30 306666 PATTERNS CROP-RAIDING BY ELEPHANTS IN BUXA-JALDAPARA, WEST BENGAL,INDIA

Mukti Roy

14:30-14:45 315378 POTENTIAL DISTRIBUTION AND CONSERVATION STATUS OF JAGUAR IN MÉXICO: IDENTIFYING PRIORITY AREAS FOR CONSERVATION

Clarita Rodríguez Soto, Monroy-Vilchis Octavio, Alessandra Falcucci, Luigi Maiorano, Luigi Boitani, Juan Carlos Faller, Miguel Briones

14:45-15:00 315526 STUDYING THE THREATS TO THE BIODIVERSITY OF GOLESTAN BIOSPHERE RESERVE, IRAN

Hamta - Golkarian, Mohammad Mehdi - ahmadi

15:00-15:15 315046 TOWARDS RED LIST CRITERIA FOR THREATENED ECOSYSTEMS

Jon Paul Rodriguez, Kathryn M Rodriguez-Clark, Jonathan E M Baillie, Neville Ash, John Benson, Tim Boucher, Claire Brown, Neil Burgess, Ben Collen, Michael Jennings, David A Keith, Emily Nicholson, Carmen Revenga, Belinda Reyers, Mathieu Rouget, Tammy Smith, Mark Spalding, Andrew Taber, Matt Walpole, Irene Zager, Tara Zamin

15:15-15:30 315667 CATTLE BOS TAURUS-PRAIRIE DOGS CYNOMYS LUDOVICIANUS INTERACTIONS: NEW WAYS TO RESTORE AND MAINTAIN ARID GRASSLANDS IN NORTHERN MEXICO

Rodrigo Sierra Corona, Gerardo Ceballos González, Ed Fredrickson, Rurik List

15:30-15:45

15:45-16:00

Spatial ecology and conservation

Moderator:

Meeting-room:73

16:30-16:45 315405 IMPACTS OF LANDSCAPE DISTURBANCE ON AVERAGE HABITAT SPECIALIZATION OF PLANT COMMUNITIES

Jean-Claude Abadie, Audrey Muratet, Nathalie Machon, Emmanuelle Porcher

16:45-17:00 315561 MODELING THE DISTRIBUTION OF SIBERIAN MARMOTS (MARMOTA SIBIRICA) USING MAXENT, BOOSTED REGRESSIONS TREES, AND GAMS: FINDINGS AND COMPARISONS

Karl Didier, Susan Townsend, Samantha Strindberg

17:00-17:15 364675 NON-RANDOM SEED DISPERSAL PATTERNS IN HETEROGENEOUS LANDSCAPES: SPATIAL AND GENETIC CONSEQUENCES AT EARLY RECRUITMENT STAGES

CRISTINA GARCIA

17:15-17:30 303241 RANGING PATTERNS, PREDATION ECOLOGY AND DISPERSAL OF RADIO-COLLARED TIGERS IN KANHA TIGER RESERVE, CENTRAL INDIA

Joseph Vattakaven, Yadavendrudev Jhala

17:30-17:45 315433 SEED DISPERSAL BY MEGAHERBIVORES: ARE THERE GENERAL PATTERNS EMERGING FROM BODY MASS ALLOMETRIES?

Luis Santamaria, Asier R. Larrinaga, Javier Rodriguez-Perez, Ahimsa Campos-Arceiz,

17:45-18:00 314497 DUNG BEETLES ON FORESTED TROPICAL LAND-BRIDGE ISLANDS: COMMUNITY ASSEMBLY AND IDIOSYNCRASY

Lan Qie

18:00-18:15

18:15-18:30

Amphibian and reptile conservation

Moderator:

Meeting-room:77

16:30-16:45

16:45-17:00 315288 AN EVENING OF SONG: COMMUNITY MONITORING OF FROGS

Wendy Foster

17:00-17:15 315395 CLIMATE CHANGE IN THE IBERIAN PENINSULA IS A SERIOUS THREAT TO AMPHIBIANS AND REPTILES

Silvia Carvalho, José Carlos Brito, Eduardo Crespo, Hugh P. Possingham

17:15-17:30 366880 ENVIRONMENTAL FACTORS AFFECTING GAS EXCHANGE IN SEA TURTLE NESTS

Michael O'Connor, Shaya Honarvar, Paul R Sotherland, James Robert Spotila

17:30-17:45 314509 SOME ASPECTS OF ANURAN CONSERVATION IN A SOUTH AFRICAN LANDSCAPE

Mohlamatsane McDonald Mokhatla, Chris Chimimba, Berndt Van Rensburg

17:45-18:00 307718 REPRODUCTIVE MONITORING AND SEX IDENTIFICATION OF A MONOMORPHIC NEW ZEALAND FROG USING URINARY HORMONE METABOLITES

Jennifer Germano, Frank Molinia, Phil Bishop, Ben D. Bell, Alison Cree

18:00-18:15

18:15-18:30

Environmental or ecological economics

Moderator:

Meeting-room:87

16:30-16:45 305639 BIODIVERSITY VALUATION OF PROTECTED AREAS: THE CASE OF BANYANG-MBO WILDLIFE SANCTUARY (BMWS), SWP, CAMEROON

Diangha Mercy Nambu

16:45-17:00 317821 GLOBAL CONSERVATION AND THE ALLEVIATION OF POVERTY

Will Turner, Katrina Brandon, Thomas Matthew Brooks, Holly Gibbs, Keith

Lawrence, Elizabeth Selig

17:00-17:15 365973 CLARIFYING THE OPPORTUNITY COST OF CONSERVATION- CONCEPTS AND APPLICATION FOR PRACTITIONERS

Patricia Zurita, Eduard Theodorus Niesten

17:15-17:30 315686 ECOLOGICAL ISSUES AND LOSS RISK OF COLD-RESISTANCE RUBBER GERMPLASM BRED AND PLANTED IN XISHUANGBANNA

Yan-Ping CHEN, Zhao-lu WU

17:30-17:45 308000 DO EXOTIC LIVESTOCK BREEDS BRING HIGHER PRODUCTIVITY THAN

INDIGENOUS ONES IN SMALL HOUSEHOLDS IN ARID AND SEMI-ARID AREAS?

Yanbo Li, Wenjun Li, Mingming Fan

17:45-18:00 315216 AN ANALYSIS OF THE EFFECTS AND PROBLEMS OF ECOLOGICAL
MIGRATION POLICY

Mingming Fan, Wenjun Li

18:00-18:15 319061 SUSTAINABLE UTILIZATION OF ECOSYSTEM SERVICES: A CASE STUDY OF THE
NORTHERN SLOPE OF TIANSHAN MOUNTAINS

Bo Li

18:15-18:30

Alien and invasive species

Moderator: Lucia Liu Severinghaus

Meeting-room:88

16:30-16:45 315723 THE ROLE OF SPECIES TRAITS IN THE ESTABLISHMENT SUCCESS OF EXOTIC BIRDS
Tim Blackburn, Phillip Cassey, Julie Lockwood

16:45-17:00 314786 THE IMPACT OF FRUIT FLY (TEPHRITIDAE) MANAGEMENT ON THE
CONSERVATION OF ENDEMIC HAWAIIAN DROSOPHILIDAE DIVERSITY
LUC LEBLANC, DANIEL RUBINOFF, ROGER VARGAS

17:00-17:15 315367 SUCCESSFUL DEVELOPMENT OF A NON-LETHAL FORM OF MANAGEMENT FOR
INVASIVE VERTEBRATE PESTS IN AUSTRALIA
Tarnya Elizabeth Cox, Peter J Murray, Graham P Hall, Xiuhua Li

17:15-17:30 315334 ASSESSING ENVIRONMENTAL SUITABILITY FOR INVASIVE SPECIES USING
STATISTICAL APPROACHES: A CASE STUDY ON BYTHOTREPHES LONGIMANUS IN ONTARIO
LAKES CANADA
Lifei Wang

17:30-17:45 365319 EFFORTS AT CURBING RELIGIOUS ANIMAL RELEASE IN TAIWAN
Lucia Liu Severinghaus

17:45-18:00 315680 THE IMPACT OF THE TOTAL LOSS OF BIRDS ON SEED DISPERSAL IN THE FORESTS

OF GUAM

Haldre Rogers, Joshua J. Tewksbury, Janneke Hille Ris Lambers

18:00-18:15

18:15-18:30

Ecosystem/conservation area management

Moderator:

Meeting-room:90

16:30-16:45 314946 EVALUATING THE EFFECTIVENESS OF A LAW ENFORCEMENT STRATEGY IN PROTECTING SUMATRAN TIGERS

Matthew Linkie, Deborah J Martyr, Maryati Moechlisin, Rudjanta Nugraha

16:45-17:00 315466 PRELIMINARY ASSESSMENT OF TIGER POPULATION STATUS IN THE GUNUNG LEUSER NATIONAL PARK, NANGGROE ACEH DARUSSALAM AND NORTH SUMATRA, INDONESIA

Hariyo Tabah Wibisono, Goddilla Viswanatha Reddy, Nick William Brickle, Noviar Andayani, Mohamad Tarmizi,

17:00-17:15

17:15-17:30 308066 PERCEPTIONS ON RANGE CONDITION CHANGES IN MAASAI COMMUNAL RANCHES AND THEIR IMPACT ON LIVELIHOODS AND WILDLIFE CONSERVATION IN THE AMBOSELI ECOSYSTEM

John Warui Kiringe

17:30-17:45 315339 ABUNDANCE AND DISTRIBUTION OF PINK SPOT SYNDROME ON CORAL REEFS IN THAILAND AS AN INDICATOR OF REEF HEALTH

Makamas Sutthacheep, Thamasak - Yeemin, Chaipichit Saenghaisuk, Sitiporn Pengsakun

17:45-18:00 366653 MANAGEMENT OF SOIL TILLAGE IS THE KEY FOR A HIGHLY THREATENED ENDEMIC WEED, *CENTAUREA TCHIHATCHEFFII* FISCH. & MEY

Yasemin Erguner Baytok, Aysegul Yildirim, C. Can Bilgin, Mecit Vural

18:00-18:15 315172 ECOLOGY AND BIODIVERSITY OF THE SIRAN RIVER CATCHMENT

Habib Ahmad

18:15-18:30

Speed session Mammal conservation and Conservation modeling

Moderator:

Meeting-room:92

- 16:30-16:34** 319868 PRESENCE OF A SECOND INVASIVE MONGOOSE IN THE FIJI ISLANDS
Craig Gordon Morley, Marie-Lilith PATOU, Patricia McLENACHAN, Daniel Simberloff, Géraldine VERON
- 16:34-16:38** 366849 THE BLACK-FOOTED FERRET, ONCE THOUGHT EXTINCT, RETURNS TO THE WILD
Pete Gober, Sarah M. Bexell
- 16:38-16:42** 302662 BUMBLEBEE VULNERABILITY: COMMON CORRELATES OF WINNERS AND LOSERS ACROSS THREE CONTINENTS
Sheila R Colla
- 16:42-16:46** 315502 FIRE INFLUENCES HABITAT PREFERENCE OF THE 'VULNERABLE' FOUR-HORNED ANTELOPE (TETRACERUS QUADRICORNIS)
Suresh Jones
- 16:46-16:50** 315362 RHINOLOPHOID BATS OF VIETNAM: TAXONOMY, ECHOLOCATION, AND CONSERVATION (MEGADERMATIDAE, RHINOLOPHIDAE, AND HIPPOSIDERIDAE)
Vu Dinh Thong, Christian Dietz, Annette Denzinger, Paul J. J. Bates, Hans-Ulrich Schnitzler
- 16:50-16:54** 366832 MANAGING FOREST STAND STRUCTURES TO ENHANCE CONSERVATION OF THE AMUR TIGER IN NORTHEAST CHINA
Xuemei Han, Chadwick Dearing Oliver
- 16:54-16:58** 315351 THE JAVAN RHINO IN VIETNAM (RHINOCEROS SONDAICUS ANNAMITICUS):LAST CHANCE OR TOO LATE?
Sarah Maria Brook, Hien Tran Minh
- 16:58-17:02** 315251 THE DIET OF GIBBONS: HOW LIANAS INFLUENCE THEIR MENU DURING FOOD SCARCITY
CHANPEN WONGSRIPHUEK, WARREN YALDING BROCKELMAN
- 17:02-17:06** 368309 BAT COMPONENTS IN THE DIET OF WINTERING LONG-EARED OWLS IN BEIJING CITY

BAO weidong, YUAN li

17:06-17:10 329223 GENETIC DIVERSITY OF FARM AND WILD MASKED PALM CIVET (PAGUMA LARVATA)
POPULATIONS IN CHINA

Jinping Chen

17:10-17:14 315126 BEING NAÏVE CAN LEAD TO MORE INFORMED STREAM REACH CLASSIFICATIONS: A
BAYESIAN METHOD TO GUIDE CONSERVATION MANAGEMENT

Stephanie Renee Januchowski, Jeremy J VanDerWal, ROBERT L PRESSEY, Richard G Pearson,
Brad Pusey

17:14-17:18

17:18-17:22

17:22-17:26

17:26-17:30

17:30-18:30 Interactive Discussion