

IOCongress 2022 Final Program (plotted in South African Standard Time)

Monday, 15th August

Time	Pre-Conference Workshop 1
08h30 - 10h30	Tips on drafting a manuscript and publishing your research <i>Alan Lee, Colleen Downs</i>
10h30 - 11h00	Break
Time	Pre-Conference Workshop 2
11h00 - 11h30	An introduction to species distribution modelling <i>David Ehlers Smith</i>

Time	Official Opening Session
12h58 - 13h33	Opening address by Prof. Dominique G. Homberger, President International Ornithologists' Union Welcome by Prof. Colleen Downs IOCongress2022 Congress Convener Mr. Mark D Anderson - CEO of BirdLife SA Prof. Mosa Moshabela - University of Kwa-Zulu Natal

Time	Plenary session 1
13h35 - 14h35	Life History Strategies of Mesozoic Birds <i>Anusuya Chinsamy-Turan</i>
14h35 - 15h00	Break

Time	Symposium 1 Vagrancy, colonization and speciation; escape from climate extinction?	Symposium 2 A policy perspective on flyway conservation	Symposium 5 Beyond the Pectoralis: Subsidiary Morphological Adaptations of Birds	Symposium 6 Adult sex ratios, mating systems and conservation	Symposium 7 Recent advances in understanding how birds see the world	Symposium 8 The opportunities of collaboration between ornithological research and research in avian veterinary medicine	Symposium 19 Navigational and genetic mechanisms underlying bird migration	Symposium 29 The impact of weather on the behaviour, ecology and physiology of birds
15h00 - 17h30	Population growth and long-distance vagrancy leads to colonization of Europe by Elegant Terns <i>Thalasseus elegans</i> <i>Richard Veit</i>	The Effects of a Nationwide Citizen Science Scheme on Waterbird Monitoring, Conservation Efforts and International Cooperation <i>Da-li Lin</i>	Avian jaw apparatus: one of light but strong passengers of the flight machine <i>Alexander Kuznetsov</i>	Adult sex ratio bias, shared paternity, and adaptive sex allocation in swift parrots: implications for individual fitness and conservation <i>Rob Heinsohn</i>	Recent advances in visualizing and quantifying the colorful world seen by birds <i>Cynthia Tedore</i>	A Global Crisis – Plasticosis – Research Results Describing the Known and Unknown Impact and Effects to Avian Species <i>Branson Ritchie</i>	Navigational mechanisms in birds: a review of recent advances <i>Dmitry Kishkinev</i>	Hot weather and bird behaviour: costs and consequences in a changing climate <i>Susan Cunningham</i>
	Predicting vagrant source populations with breeding population data: a case study of the Lesser Black-backed Gull (<i>Larus fuscus</i>) <i>Lucinda Zawadzki</i>	Nationally important habitat for Latham's Snipe in Australia <i>Birgita Hansen</i>	Wings versus legs in the avian body plan: development and evolution of alternative locomotor strategies <i>Ashley Heers</i>	Sex ratios and cooperative polyandry in the endangered Kagu of New Caledonia <i>Roman Gula</i>	Spatial and temporal resolution in birds: special consideration to raptors <i>Simon Potier</i>	Multidisciplinary Research on Endangered Avian Species Threatened by Emerging and Introduced Pathogens <i>Glenn Olsen</i>	The Genetic Basis of Migratory Timing - What Do We Know and Where Do We Go From Here? <i>Kristen Ruegg</i>	Grow warm, live cold: Does developmental conditions dictate how birds deal with temperature over a lifetime? <i>Andreas Nord</i>

	Dispersal distances of resident birds correlate with conspecific density <i>Lisa Manne</i>	Effects of aquaculture on the maintenance of waterbird populations <i>Chuyu Cheng</i>	Function and Evolution of Avian Lungs <i>Colleen Farmer</i>	Offspring desertion with care: Flexible female care in a male-biased plover population <i>Krisztina Kupan</i>	Do birds see rainbows? If so, why does it matter <i>Stephen Nowicki</i>	Emerging imaging technology to visualize nerves and vasculature for application in avian research <i>Scott Echols</i>	Naive pied flycatchers (<i>Ficedula hypoleuca</i>) can establish the star compass as late as in spring <i>Nikita Chernetsov</i>	Challenges of high-alpine specialists under climate change: Breeding ecology and population dynamics of the white winged-snowfinch <i>Christian Schano</i>
	Does population size predict transatlantic vagrancy in gulls of the North Atlantic? <i>Marlen Acosta Alamo</i>	15h50 - 17h30 Live Discussion and Q&A	Lighter, but denser: the quantitative anatomy of the avian brain <i>Andrew Iwaniuk</i>	Highly male-biased adult sex ratio and its variation during the breeding season of the sex-role reversed pheasant-tailed jacana (<i>Hydrophasianus chirurgus</i>) <i>Nolwenn Fresneau</i>	Through their eyes: how hummingbirds visually perceive their spatial environment <i>Luke Tyrrell</i>	Collaborative Research Involving Avian Species in Southeast Asia Involving the Challenges of Environmental Impact and Emerging Disease Problems <i>Jalila Abu</i>	Evolutionary analysis of a potential magnetoreceptor <i>Corinna Langebrake</i>	Physiological and behavioural responses to weather fluctuations in the arid-adapted zebra finch: effects of early-life experience <i>Mylene Mariette</i>
	Vagrancy and Range Expansion by Black-bellied Whistling-Ducks in North America <i>Shannon Curley</i>		Adaptation to different thermal conditions and aquatic lifestyle in birds. How feathers fulfil their functions in a diverse world? <i>Peter Laszlo Pap</i>	Potential origins of biased adult sex ratios in coucals and their implications for life history and conservation <i>Wolfgang Goymann</i>	Bird contrast sensitivity and wind turbines collisions <i>Constance Blary</i>	Veterinary collaboration in biological avian/ornithological research - inroads to opportunities and knowledge exchange <i>Thomas Tully</i>	Learning and cognition for long-distance movement in birds <i>Oliver Padgett</i>	The influence of climate on the foraging and breeding success of King Penguins <i>Aptenodytes patagonicus</i> <i>Émile Brisson-Curadeau</i>
	16h40 - 17h30 Live Discussion and Q&A		16h40 - 17h30 Live Discussion and Q&A	16h25 - 17h30 Live Discussion and Q&A	16h58 - 17h30 Live Discussion and Q&A	16h58 - 17h30 Live Discussion and Q&A	17h05 - 17h30 Live Discussion and Q&A	17h02 - 17h30 Live Discussion and Q&A
17h30 - 18h30	NETWORKING FUNCTION Break							
Time	Plenary session 2							
18h30 - 19h30	Adult and juvenile mortality in the evolution of demographic and parental care strategies of songbirds <i>Thomas Martin</i>							
19h30 - 20h00	We encourage you to visit the e-poster gallery							

Tuesday, 16th August

Time	Plenary session 3
08h30 - 09h30	Conserving a cherished soundscape: countering the collapse of a bird community <i>Martine Maron</i>
09h30 - 10h00	Break

Time	Speed Talks Session 1	
10h00 - 10h47	Where the tropical owls are: Factors influencing habitat-use of owls in a mosaic landscape in Garo Hills, North-east India	<i>S. Sangeeth Sailas</i>
	Vital sources for Barn Owls (<i>Tyto alba</i>) during winter	<i>Roman Bühler</i>
	First observation of Cinereous Vulture <i>Aegypius monachus</i> in Burkina Faso adds to an increase in records in sub-Saharan West Africa	<i>Clément Dabone</i>
	Injuries, mortality rates, and release rates of endangered vultures admitted to a rehabilitation center in South Africa	<i>Caroline Grace Hannweg</i>
	Human Perceptions of and Threats to Vultures in Ethiopia	<i>Alazar Daka Ruffo</i>
	Abundance, Diversity and Threats Facing Conservation of Diurnal Raptors on Lewa-Borana Landscape and Ngare Ndare Forest Reserve, Meru, Kenya	<i>Eunice Kamau</i>
	On the banks of the Liesbeeck: a longitudinal study of bird abundance along an urban river in South Africa	<i>Jane Doherty</i>
	Natal dispersal and territory selection of the white-tailed eagle in an expanding population	<i>Ida Penttinen</i>
	Preliminary result of post-release monitoring of rehabilitated juvenile Javan Hawk-Eagle tracked by satellite	<i>Cici Nurfatimah</i>
	Host genomic variation and beak and feather disease virus infection in crimson rosellas (<i>Platycercus elegans</i>)	<i>Candice Lachenicht</i>
	Endoparasites of a bird community in a temperate forest: half of the specimen are infected	<i>Finja Strehmann</i>
	Nocturnal heterothermy use in North American migratory songbirds.	<i>Ryan Leys</i>
	Higher temperatures are associated with reduced nestling body condition in a range-restricted mountain bird	<i>Krista Oswald</i>
	Adaptation of threatened forest specialist to human-modified habitat: why do Cape Parrots eat exotic pecan nuts?	<i>Kirsten Wimberger</i>
	Vocalisations of threatened Cape Parrot <i>Poicephalus robustus</i> in the Amathole Mountains of South Africa	<i>Cassie Carstens</i>
	Role of avian frugivores in the seed dispersal and germination success of an invasive alien shrub <i>Pyracantha angustifolia</i>	<i>Lehlohonolo Adams</i>
	Evolutionary history of natural-antibody-driven hemagglutination and complement-driven hemolysis in birds.	<i>Kevin D. Matson</i>
	Large differences on a small island: genetics of penguins and shags on Kerguelen Island	<i>Theresa Burg</i>
	Song complexity in a neotropical passerine varies with plumage colour and is a sexually selected trait of male quality	<i>Malavika Madhavan</i>
	Species status of the enigmatic Sri Lanka Drongo: the use of genetic, morphometric and acoustic traits in species delimitation	<i>Sampath Seneviratne</i>
Southern Bald Ibis: a population review based on citizen science	<i>Carina Pienaar</i>	
Capercaillie and effects of predation on reproduction: an experimental test.	<i>Lars Hillström</i>	

10h47 - 11h30	Break							
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Time	Session G1	Session G2	Session G3	Session G4	Session G5	Session G6	Session G7	Session G8
11h30 - 12h53	Niche overlap among terrestrial bird guilds in Shanghai urban and suburban areas <i>Gang Yang</i>	Refining genetic diversity-area relationships by integrating nucleotide and haplotype diversity <i>Ping Fan</i>	From forest to farmland: land-use change converted bird diversity and community structure on continental islands <i>Yuhao Zhao</i>	Immunometabolism: Under cold and low food, immunocompetence takes precedence over maintenance in the free-living bird, Eurasian tree sparrow, <i>Passer montanus</i> <i>Ibrahim Mohammed Ahmad</i>	Physiological consequences of growing up during a heatwave <i>Elin Persson</i>	Partitioning extirpation and colonisation components of avian beta diversity on land-bridge islands <i>Di Zeng</i>	Evolution of avian breeding systems: phylogenetic analyses of sexual selection, sex roles and parental investment <i>Andreas Meltl</i>	Measuring shorebird habitat quality in a highly altered wetland <i>Micha Jackson</i>
	Nest-selection preferences in urban Eurasian tree sparrows: keeping pace with urbanization <i>Yang Wang</i>	Natural selection on noncoding regions facilitates ancestral adaptation of snowfinches to high elevations <i>Yan Hao</i>	Island area indirectly reduces the robustness of plant-frugivore networks through connectance on subtropical reservoir islands <i>Wande Li</i>	Ectoparasite load is unrelated to the reproductive success of Barn Swallow (<i>Hirundo rustica</i>) populations in East Asia <i>Yu Liu</i>	Hotter summers and milder winters nearly double winter mortality over three decades in a wild songbird <i>Lei Lv</i>	Population trends of breeding forest birds in Nagoya City, Japan for 35 years <i>Hiroshi Hashimoto</i>	How does human disturbance affect brood parasitism and nest predation in hosts inhabiting a highly fragmented landscape <i>Mominul Nahid</i>	Managing waterfowl habitat on a Ramsar-listed wastewater treatment plant <i>Richard Loyn</i>
	Urban Eurasian tree sparrows reduced hearing sensitivity and adult neurogenesis in auditory brain regions <i>Dongming Li</i>	Generation time and body mass are correlated with interspecific variation of genomic attributes in Neoavian birds <i>Yanzhu Ji</i>	Human modified landscapes of Eastern Himalaya complements protected areas in avian conservation <i>Bhoj Kumar Acharya</i>	The drivers of avian haemosporidian prevalence in subtropical forests of the Thousand Island Lake, China <i>Qiang Wu</i>	Identifying environmental factors and ramifications of the climate crisis on the habitat of wintering vultures in India <i>Radhika Jha</i>	Breeding bird indicators in subtropical Asia <i>Da-li Lin</i>	Effects of visual and audio signals from predator and nuclear species on avian mobbing response <i>Jo-szu (Ross) Tsai</i>	Investigation of the elastic properties of the barbs of the flight feathers <i>Sang-im Lee</i>

	Bird species killed by collision with transparent noise barriers in the Republic of Korea as revealed by three survey methods <i>Hae-Min Seo</i>	Population Genomic Divergence of the Red-billed Leiothrix (<i>Leiothrix lutea</i>) <i>Gang Song</i>	What we know and need to know about the Conservation Status of Indian Farmland Birds <i>Shahid Ali</i>	Circadian activity in different photoperiods (12L: 12 D) and (8L: 16D) in passerine finche <i>Garima Singh</i>	Historical climatic influences on East Antarctic seabirds: From the Pleistocene to present <i>Elize YX Ng</i>	Resilience of a bird community to frequent fires in a fire-adapted Proteaceous woodland <i>Robert Davis</i>	A 11-years bio-logging study of streaked shearwaters provides a linkage among their foraging behavior, reproductive performance, and oceanographic conditions <i>Shiho Koyama</i>	Keratin allocation strategy to construct the bioarchitecture of a feather shaft <i>Tsao-Chi Chuang</i>
	Characterising change in avian community composition along gradients of housing and canopy tree cover <i>Jacinta Humphrey</i>	Unravelling the processes between phenotypic plasticity and population dynamics in migratory birds <i>Jin Liu</i>	How do understory birds respond to the impacts of exotic tree invasion in the Shola Sky Islands? <i>Varughese Jobin</i>	Identifying occurrence and likely source of microplastics in Great Cormorant Phalacrocorax carbo pellets <i>Caroline Dingle</i>	Electrophysiological approach to study of the magnetic compass in European robins <i>Luba Astakhova</i>	Avian Community in Relation to Mangrove Structure along the Western Coast of Taiwan <i>Chih-yi Tsai</i>	Effects of local weather on reproductive success of Ural owls (<i>Strix uralensis</i>) in the Ikoma mountains, western Japan. <i>Shiho Matsubayashi</i>	An introduction to robot audition technology for bird localization and classification in the wild <i>Kazuhiro Nakadai</i>
			Using empirical data analysis and expert elicitation to identify habitat associations for farmland-adapted birds <i>Da-li Lin</i>		Two sensitivity peaks of the avian magnetic compass to monochromatic light: true or false? <i>Alexander Pakhomov</i>	Population trends in waterbird assemblages in the Northern Region of Sri Lanka <i>Gajavathany Kandasamy</i>	Catastrophic failure of established small breeding colonies of the reintroduced Japanese Crested Ibis, <i>Nipponia nippon</i> , on Sado Island, Japan <i>Hisashi Nagata</i>	A non-invasive framework for fine-scale observation of spatial-spectral-temporal patterns of bird vocalizations based on robot audition techniques. <i>Reiji Suzuki</i>
12h53 - 13h30	Break							
Time	Plenary session 4							
13h30 - 14h30	Adaptations and response capacity of birds in rain-driven environments: physiology, microbiota and life history <i>Irene Tieleman</i>							
14h30 - 15h00	NETWORKING FUNCTION Break							
Time	Symposium 3 Harnessing the power of natural history collections for modern ornithology	Symposium 16 Global landbird flyways: a review	Symposium 18 Bird Hearing: Mechanisms and Ecological Adaptations	Symposium 21 Hormones, metabolism, and performance: how endocrine mediated traits affect fitness	Symposium 22 Effects of sea-level rise on birds	Symposium 23 Energetics of avian movement in a changing world	Symposium 26,1 Ethno-ornithology: amplifying the many voices of conservation	Symposium 27 Contrasting the challenges and opportunities for hornbill conservation biology in Africa and Asia
15h00 - 17h30	Feathers are a valuable resource for studying avian evolution, ecology, and the environment <i>Allison Shultz</i>	Migratory landbirds in the East Asian Flyway: distributions, threats, and conservation needs <i>Ding Li Yong, Wieland Heim</i>	Evolution of structure and function of avian cochleae <i>Geoffrey Manley</i>	Testosterone and the neurogenomic underpinnings of social behavior in wire-tailed manakins <i>Ignacio Moore</i>	A systematic review of the effects of sea-level rise on birds worldwide <i>Chris Elphick</i>	The unsung influence of air density on flight costs at sea level <i>Emily Shepard</i>	The Indigenous Names for South African Birds (INSAB) project: foundational work for Afro-centric conservation and local community engagement <i>Andrew de Blocq</i>	Hornbill research and conservation in Africa – the long-term perspective <i>Lucy Kemp</i>

	Unleashing the power of museum collections to study the diversification of birds at global scales <i>Christopher Cooney</i>	Landbird migration from a South American perspective <i>Judit Szabo</i>	Avian hearing specialists <i>Christine Koepl</i>	Evolutionary history of muscular transcriptomic and innovations in acrobatic courtship behavior <i>Matthew Fuxjager</i>	The impact of sea level rise on the population dynamics of shorebirds <i>Martijn Van De Pol</i>	Phenotypic plasticity in thermal physiology as a determinant of responses of arid-zone birds to climate change <i>Andrew Mckechnie</i>	Local communities' knowledge, perceptions, attitudes and cultural uses of vultures in the South-East Lowveld, <i>Kudzanai Sandra</i>	Hornbill research and conservation in Asia: knowledge, challenges and the future <i>Aparajita Datta</i>
	Using ancient, historical, and modern DNA to study changes in avian diversity across the Holocene <i>Jessica Oswald</i>	Broad-scale patterns of the Afro-Palaeartic landbird migration <i>Martins Briedis</i>	Birds and their relatives: mechanisms of sound localization <i>Catherine Carr</i>	The metabolic role of glucocorticoids: an energetic-state perspective from cell to organismal performance <i>Stefania Casagrande</i>	The effects of Sea Level Rise on Future Habitat Availability of Red Knots in Northwest Mexico. <i>Julian Garcia Walther</i>	Maintaining water balance during migration through deserts: what are the impacts on energy management? <i>Ivan Maggini</i>	Indigenous knowledge of South African bird and rangeland ecology is effective for informing conservation science. <i>Yvette Ehlers Smith</i>	The third realm - the role of ex situ conservation and hornbills in the one plan approach <i>Jessica Lee</i>
	The Colombia Resurvey Project: Assessing a century of changes in avian assemblages and documenting for the future <i>Camila Gomez</i>	The Eurasian African Bird Migration Atlas – documenting migration and movements using ringing and tracking data <i>Stephen Baillie</i>	Song complexity and auditory perception in Bengalese finches <i>Kazuo Okanoya</i>	Prenatal exposure to androgens affects embryonic heart rate and tissue development: a study in rock pigeons <i>Yuqi Wang</i>	Predicting and mitigating effects of sea-level rise on shorebird populations at the Western Treatment Plant, Australia <i>Daniel Rogers</i>	Migrants have a higher basal metabolic rate than non-migrants, both on breeding and wintering grounds <i>Andrey Bushuev</i>	15h49 - 17h30 Live Discussion and Q&A	Conservation status of hornbills in West Africa: an assessment of forest and savanna species in Ghana and Togo <i>Nico Arcilla</i>
	The power and promise of specimen collections as windows into contemporary responses to global change <i>Brian Weeks</i>	Wind and uplift shape the global energy seascape for landbird migration <i>Elham Nourani</i>	Bird hearing in complex acoustic environments Georg Klump	Great tits differ in corticosterone plasticity in response to spring temperature <i>Michaela Hau</i>	Effects of Sea Level Rise on Nesting Populations of Colonial Birds in Barnegat Bay: 1976 to 2020 <i>Joanna Burger</i>	Role of variation in foraging behaviour in mediating environmentally influenced breeding decisions in Arctic-breeding Common Eiders <i>Erika Nissen</i>		Hornbill research: challenges and opportunities in West African regions <i>Selasi Dzitse</i>
	16h58 - 17h30 Live Discussion and Q&A	17h09 - 17h30 Live Discussion and Q&A	16h53 - 17h30 Live Discussion and Q&A	17h02 - 17h30 Live Discussion and Q&A	17h02 - 17h30 Live Discussion and Q&A	16h50 - 17h30 Live Discussion and Q&A		The Helmeted Hornbill Crisis: Are we done yet? <i>Yokyok Hadiprakarsa</i>
							17h00 - 17h30 Live Discussion and Q&A	
17h30 - 18h30	Break							
Time	Session G9	Session G10	Session G11	Session G12	Session G13	Session G14	Session G15	Session G16
18h30 - 19h26	Genetic divergence of pelagic seabirds <i>Dilini Abeyrama</i>	Phylogeography of the White-crowned parrot (<i>Pionus senilis</i>) using mitochondrial DNA <i>Patricia Escalante</i>	Do competing species partition resources or specialize on resource traits? Tests with New World wood warblers (Parulidae) <i>Thomas Sherry</i>	Sensory evolution in Kingfishers: A combined genomic and phenomic approach <i>Chad Eliason</i>	Monitoring the response of boreal songbird communities to energy sector edge effects using Autonomous Recording Unit (ARU) transects <i>Kalukapuge Tharindu</i>	Disentangling the biotic and abiotic drivers of bird-building collisions in a tropical Asian city using ecological niche modelling <i>David Tan</i>	Thermal Ecology of Trumpeter Swan (<i>Cygnus buccinator</i>) Incubation <i>David Delehanty</i>	Age-dependent differences in cryptic movements undertaken before autumn migration: Pre-migratory flights in a long-distance migrant, the Northern Wheatear (<i>Oenanthe oenanthe</i>) <i>Zephyr Züst</i>

	Seabird strandings due to light attraction: testing phototactic and exploratory behaviour in Atlantic Puffin (<i>Fratercula arctica</i>) fledglings <i>Taylor Brown</i>	Systematics, biogeography, and evolution of the tyrant-flycatcher tribe Contopini (Tyrannidae) <i>Robert Chesser</i>	You are what you eat: the relationship between territoriality and diet choice on leks <i>Eric Tymstra</i>	Visual and tactile complementation for nocturnal prey capture in the Band-winged Nightjar (<i>Systellura Longirostris</i>) <i>Juan Esteban Salazar</i>	Leveraging light, pressure, activity, and wind data to improve geolocator positioning <i>Raphaël Nussbaumer</i>	Influence of Local- and Landscape-scale Factors on Avian Assemblage in Fragmented Tallgrass Prairie Landscape <i>Pooja Panwar</i>	Nests reduce the energetic costs of brooding offspring for passerine birds in the tropics <i>Mark Mainwaring</i>	Birds under pressure: multi-sensor loggers reveal details on the migratory behaviour of alpine Northern Wheatears <i>Yann Rime</i>
	A story of seabird and marine ecosystem health: physiological costs of behavioural flexibility in a context of food insecurity <i>David Pelletier</i>	Phylogeographic patterns in an archipelago radiation of monarch flycatcher are driven by ease of gene flow and island geography <i>Ethan Gyllenhaal</i>	Testing the Stebbin's Principle in flower-pollinator specializations in an ornithophilous pollination system in the Brazilian Atlantic forest <i>Maria Alice S. Alves</i>	Re-evaluating the water repellency of feathers <i>Frank Muzio</i>	Recording individual vocalizations in small cooperative Passeriformes using on-board microphones: Challenges and successes <i>Pietro Bruno D'Amelio</i>	Impacts of native tree encroachment on breeding songbirds <i>Elise Zarri</i>	Do birds pay an energetic cost for maintaining highly flexible metabolic rates? <i>David Swanson</i>	Using barometric pressure for tracing migration patterns of a short-distance migrant, the common starling <i>Sturnus vulgaris</i> <i>Viesturs Vīgants</i>
	Temporal variance and covariance in vital rates reveal individual-quality differences in breeding trajectories for black-browed albatross <i>Alex Nicol-Harper</i>	Gene flow maintains population genetic cohesion in the specialist <i>Conirostrum binghami</i> living in high Andean <i>Polylepis</i> forests in Bolivia <i>Jennifer Cahill</i>	Riskiness of foraging lifestyle varies among species relative to adult survival probability <i>Timothy Forrester</i>		Carry-over effects of the natal environment shape the social behaviour of immature raptors <i>Benedetta Catitti</i>	Avifauna of the Celendín Cajamarca: A first approximation of the richness of birds for the province <i>Manuel Roncal Rabanal</i>	An ethogram for the nesting and breeding behaviour of the Hooded Vulture (<i>Necrosyrtes monachus</i>) <i>Fiona Fern</i>	Within- and between-individual variation in migration strategies: What is the confounding effect of age? <i>Christoph Meier</i>

19h26 - 20h00 **Break**

Time	Session G17	Session G18	Session G19	Session G20	Session G21	Session G22	Session G23
20h00 - 20h54	Phenological synchronization drives differences in fall migration timing in a long-distant migratory bird <i>Calandra Stanley</i>	Molecular phylogeny of swifts and swiftlets (Apodidae): challenging conventional wisdom about evolutionary relationships in a poorly studied avian lineage <i>Renata Biancalana</i>	Numerical abilities in a brood parasite, the brown-headed cowbird <i>Mélanie Guigueno</i>	Developing climate resilient conservation strategies for a threatened endemic bird, the Black-cheeked Ant-Tanager <i>Patrick Newcombe</i>	Biofilm consumption by Western Sandpipers (<i>Calidris mauri</i>) during spring migratory stopover: Insights from tissue and breath CO2 isotopic analyses <i>Keith Hobson</i>	From boreal forest to Alps: space use during the breeding period in a forest specialist, the Eurasian pygmy owl. <i>Daniele Baroni</i>	Facets of the nesting ecology of a ground-nesting bird, the Spotted Thick-knee, in an urban mosaic landscape <i>Kyrone Josiah</i>
	Songbirds initiate migratory flights synchronously after civil dusk <i>Nathan Cooper</i>	Is diversity cryptic because they're all brown? Integrative taxonomy of the largest complex of African Mirafra larks <i>Martin Stervander</i>	Do cuckoos target high-quality hosts? <i>Angela Moreras</i>	Energetic modelling predicts site-specific impacts of warming on reproductive performance in an Arctic breeding songbird <i>Ryan O'Connor</i>	Shorebirds Affect Ecosystem Functioning on an Intertidal Mudflat <i>James Booty</i>	Finding a new home: causes and consequences of exploratory flights in female barn owls <i>Paolo Becciu</i>	Sitting in the sun: Nest microhabitat affects incubation temperatures in seabirds <i>Lorinda Hart</i>
	Aerial and terrestrial biomass flows of migratory birds across the US estimated from weather radar and citizen science data <i>Raphaël Nussbaumer</i>	Enhancing the value of artificial selection for elucidating the genetic basis of phenotypic diversity on birds. <i>Ricardo Jorge Lopes</i>	The overlooked complexity of avian brood parasite-host relationships <i>James Kennerley</i>	Temporal and spatial variability in temperature and forest phenology as predictors of forest bird species distributions in Argentina <i>Ashley Olah</i>		Activity and sex drive fledging time, exploratory behaviour and the onset of natal dispersal in juvenile Golden Eagles <i>Matthias Tschumi</i>	Million nest boxes, how many natural cavities? The nest sites of three avian model species of ecology and evolutionary biology <i>Toni Laaksonen</i>

The state of migration tracking: a systematic review of tracking data for North American migratory birds <i>Amy Scarpignato</i>			Potential impacts of climate change on the current and future climate niches of the Northern Bald Ibis in Northwest Africa <i>Mohammed Znari</i>		Instantaneous sampling of accelerometer data allows cost-effective insights into time budgets of elusive animals during dispersal <i>Julia Hatzl</i>	Bird nests as a microhabitat for arthropods: revealing the hidden diversity in natural cavities in boreal forests <i>Jan Hanzelka</i>
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Wednesday, 17th August

08h30 - 09h30	We encourage you to visit the e-poster gallery							
Time	Plenary Session 5							
09h30 - 10h30	Bird diversity and community dynamics on subtropical reservoir islands <i>Xingfeng Si</i>							
10h30 - 11h00	Break							
11h00 - 12h30	Round Table 2	Round Table 7	Round Table 3	Round Table 20	Round Table 21	Round Table 11		
	Effectiveness of Protected Areas for Bird Conservation: Recent Research and Future Directions <i>Convenor: Nico Arcilla</i>	Advancing African Ornithology <i>Convenor: Alan Lee</i>	Birds as peace-makers <i>Convenor: Imad Cherkaoui, Yossi Leshem, Alexandre Roulin</i>	Working Group on Avian Morphology <i>Convenor: Andrei V. Zinoviev</i>	Integrating migratory landbird research across the flyways <i>Convenor: Ivan Maggini</i>	Moult <i>Convenor: Gabriel Jamie</i>		
12h30 - 13h30	Break							
Time	Plenary Session 6							
13h30 - 14h30	The ecology, evolution and safeguarding of honeyguide-human mutualism <i>Claire Spottiswoode</i>							
14h30 - 15h00	Break							
Time	Session G24	Session G25	Session G26	Session G27	Session G28	Session G29	Session G30	Session G31
15h00 - 15h57	Toward a global strategy for seabird tracking <i>Alice Bernard</i>	Developmental plasticity in thermoregulation associated with prenatal acoustic communication in an arid-adapted bird <i>Anais Pessato</i>	Patterns of mixed-species bird flocking along elevational and seasonal gradients in the Western Himalaya <i>Pranav Gokhale</i>	You are what you eat? Long-term effects of diet in an opportunistic bird of prey, the white-tailed eagle <i>Carina Nebel</i>	An overview of sperm evolution and sperm competition studies from birds in tropical areas <i>Taiwo Crossby Omotoriogun</i>	The role of citizen science in monitoring biodiversity, especially birds, in Taiwan <i>Ruey-shing Lin</i>	Vulture Conservation: can African vultures help to fight poisonings in Zambia <i>Tom Riffel</i>	Movement analysis of rescued and captive-reared Lesser Flamingos from Kamfers Dam, Kimberley, South Africa, 2019 – 2022 <i>Doug Harebottle</i>
	Not all birds dare "crossing the Himalayas" – barrier-avoidance migration of a small passerine in western China <i>Tianhao Zhao</i>	Higher nest temperatures influence relative bill size: developmental plasticity conforms to Allen's rule in the lesser kestrel <i>Falco naumanni</i> <i>Alejandro Corregidor-Castro</i>	The breeding ecology of Oriental Skylark <i>Alauda gulgula</i> on farmland in the Mardan District, Khyber Pakhtunkhwa, Pakistan <i>Asif Sadam</i>	Dear-enemy effect between two sympatric non-passerine species <i>Jan Jedlikowski</i>	Variation in home range and space use of a cooperative forest specialist bird in response to habitat fragmentation and degradation <i>Gladys Nyakeru Kung'u</i>	Developing Taiwan's First Bird Report <i>Scott Pursner, Allen Lyu</i>	First record of natural hybridization in the vulture genus <i>Gyps</i> <i>Rynhardt Le Roux</i>	A Celebration of the African Bird Atlas Project: a review of use and status <i>Alan Lee</i>

	Magnetic map processing in the brain of night-migratory birds <i>Katrin Haase</i>	Heat dissipation constrains avian reproductive performance and output <i>Elisavet Zagkle</i>		Avian frugivore visitation and potential seed dispersal of keystone Ficus species in a mosaic urban landscape in eastern South Africa <i>Islamiat Raji</i>	Heritable variation in a songbird affects feeding success of an ectoparasite <i>Erik Matthysen</i>		Assessing African Vultures as Biomonitors and Umbrella Species <i>Lindy Thompson</i>	An investigation into the decline of South African endemic larks: considering extrinsic and intrinsic factors <i>Ditiro Moloto</i>
	The magnetic GPS of birds – New insights into magnetic map use and sensing in free-flying songbirds. <i>Thiemo Karwinkel</i>	Adaptive variation in the upper limits of avian body temperature <i>Marc Freeman</i>		Foraging ecology of juvenile Secretarybirds <i>Sagittarius serpentarius</i> across Southern Africa <i>Melissa Whitecross</i>	Incongruent avian malaria patterns in four species of sympatric forest birds <i>Sam van Zwieten</i>		Breeding Success and population status of the Critically Endangered, <i>Gyps africanus</i> in Western Serengeti, Northern Tanzania <i>Vainess Laizer</i>	Gauging the threat: exposure and attraction of sooty albatrosses and white-chinned petrels to fisheries activities <i>Shamiso Banda</i>
15h57 - 16h30	NETWORKING FUNCTION Break							
Time	Session G32	Session G33	Session G34	Session G35	Session G36	Session G37	Session G38	Session G39
16h30 - 17h25	Proposal for Bird-Aesthetics as a new domain and a new field of research <i>Liviu Pripon</i>	Effects of targeted repelling measures on GPS-tracked Barnacle Geese during stopover <i>Wieland Heim</i>	Trade-off between song complexity and colorfulness in Paridae <i>Thomas Tietze</i>	The African Bird Atlas Project – mapping the distribution of Africa's birds, promoting awareness and building capacity for citizen science <i>Ulf Ottosson</i>	Patterns of guild structure, foraging ecology, dynamics and organization of a bird assemblage of a Western Carpathian primeval mountain forest <i>Martin Korňan</i>	Roadkill effects on the breeding Success and population size of Pied crows (<i>Corvid albus</i>) <i>Temitope Rebecca Abisoye</i>	GPS tracking data reveals annually spatio-temporal movement patterns of Bridled Terns <i>Xin Yu</i>	A savanna protected area and its water sources best preserve bird evolutionary history <i>Rion Lerm</i>
	The importance of databases of bird names in Indigenous languages: The Case of the Zulu Bird Project in KwaZulu-Natal 2012-2020 <i>Noleen Turner</i>	Assessing the cumulative human impact on a declining Oystercatcher population <i>Bruno Ens</i>	Testing the carotenoid-based sexual signalling mechanism by altering CYP2J19 gene expression and colour in a bird species <i>Alejandro Cantarero</i>	Spatio-temporal Avifaunal Assessments of Shiroro and Tiga Reservoirs - Northern Nigeria <i>Boniface Agbo</i>	Bird traits in urban land-sharing and land-sparing areas in Europe <i>Lucía Izquierdo</i>	Breeding biology of the Cape Parrot (<i>Poicephalus robustus</i>) in South Africa and implications for its conservation <i>Kate Carstens</i>	Tracking the migration of Eurasian Oystercatchers in East China <i>Xinjie Zhao</i>	Cretaceous origins of the vibrotactile bill-tip organ in birds <i>Carla Du Toit</i>
	The utility of secondary sources to coarsely assess status of large, understudied birds <i>Jonah Gula</i>	Modification of the third phase in the framework for vertebrate species persistence in urban mosaic environments <i>Colleen Downs</i>	Why do food hoarding parids remember their caching locations? <i>Anders Brodin</i>	Assessing the avifaunal utilization of a patch of secondary forest within agricultural landscape in West Africa <i>Thaddeus Pev</i>	Does anthropogenic fragmentation selectively filter avian phylogenetic diversity in a critically endangered forest system? <i>David Ehlers Smith</i>	What can be done about range declines in South Africa's forest-dependent birds? <i>Michael Cherry</i>	Song Bird Migration and Pesticides – from exposure in Europe to exposure in Africa? <i>Jan-Dieter Ludwigs</i>	
		Species Traits Drive Long-Term Population Trends of Common Breeding Birds in Northern Italy <i>Pietro Tirozzi</i>	Species Recognition and Song Memory in Nestling Flycatchers <i>Fanny-Linn Kraft</i>		Climate and land use change lead to marked changes in Swiss breeding bird abundance <i>Thomas Sattler</i>	Accounting for predator species identity reveals variable relationships of nest predation with landscape habitat features in a temperate forest songbird <i>Nino Maag</i>	Ontogeny of migration in a partially migratory raptor <i>Ying-Chi (Ginny) Chan</i>	
17h25 - 18h30	Break							

Time	Symposium 11 Insectivorous bird conservation in the context of global insect decline	Symposium 12 “Chancing on a spectacle:” co-occurring animal migrations and interspecific interactions	Symposium 14 Assessing the Health of Wild Raptors	Symposium 17 A global review of the impacts of COVID-19 lockdowns on birds	Symposium 20 Evolution and ecology of avian nectarivory	Symposium 26,2 Ethno-ornithology: amplifying the many voices of conservation	Symposium 28 Within and among species variation in migratory physiology	Symposium 38 Living in Extremes: How birds in the Arctic and Antarctica cope with global climate change
18h30 - 21h00	Evidence for insect decline and its effects on insectivorous birds <i>Eliza Grames</i>	Stopover territoriality and hormone regulation during a trans-Saharan stopover <i>Armando Alberto Aispuro</i>	Pathogens and parasites of endangered raptors: what do we need to know to enhance conservation? <i>Darrell Abernethy</i>	Impacts of COVID-19 lockdowns on avian habitat use across Canada and the USA <i>Michael Schrimpf</i>	Ecophysics of Avian Nectarivory <i>Alejandro Rico-Guevara</i>	When you can no longer do things the same old way: transforming ethno-ornithological research to nourish biocultural memory <i>J. Cristóbal Pizarro</i>	Patterns of phenotypic flexibility throughout the stages of vernal and autumnal migration and across the migrant and resident divide <i>Marilyn Ramenofsky</i>	Weathering the storm: challenges for migrant songbirds in the Arctic <i>John Wingfield</i>
	Long-term declines in bird populations in tropical agricultural countryside <i>Cagan H Sekercioglu</i>	Understanding migrations: from individual movements to migratory culture <i>Andrea Flack</i>	The human footprint: Environmental contaminants impacting raptors <i>Julia Ponder</i>	Changes in human activity during the COVID-19 lockdown influences avian habitat use in the United Kingdom <i>Nicola Koper</i>	Nectar gardens on school grounds reconnect plants, birds and people <i>Anton Pauw</i>	Indigenous ornithological knowledge and climate change policy in Paraguay <i>Alberto Yanosky</i>	What does it take to be an ultra-endurance flier? <i>Chris Guglielmo</i>	Sea ice as molting habitat: a potential limit on Adélie penguin populations? <i>Annie Schmidt</i>
	Population trends decreased with increasing tail fork depth in swallows in anthropogenic environments <i>Masaru Hasegawa</i>	Ecological interactions between Eleonora’s falcons and migratory songbirds driven by trade winds <i>Laura Gangoso</i>	Lead Poisoning of Raptors: A Global Review <i>Vincent Slabe</i>	Drivers of avian habitat use and detection of backyard birds in urban areas during COVID-19 lockdowns <i>Olivia Sanderfoot</i>	On the feeding biomechanics of nectarivorous birds <i>David Cuban</i>	The nature of Natural History Knowledge among Students in North America <i>Anant Deshwal</i>	Environmental, physiological, and molecular mechanisms underlying variation in migratory and reproductive strategies in seasonally sympatric populations <i>Adam Fudickar</i>	Integrative approaches to assess direct and indirect effects of climate change on Snow buntings (<i>Plectrophenax nivalis</i>) in the Canadian Arctic <i>Oliver Love</i>
	Host plant associations of Lepidoptera and implications for endangered Hawaiian forest bird conservation <i>Paul Banko</i>	Birds of a feather: Citizen science data and deep-learning methods reveal changes in species interactions and diversity throughout annual migrations <i>Courtney Davis</i>	A global systematic review of the temporal and spatial patterns of organochlorine pesticide monitoring in raptors <i>Kailen Padayachee</i>	The impact of the pandemic on birding and birds in India <i>Karthik Thrikkadeeri</i>	The mechanics of nectar uptake in the honeyeater tongue <i>Amanda Hewes</i>	Intergenerational loss of Natural History Knowledge: a Western perspective on bio-cultural extinction <i>Andrew Gosler</i>	Association between corticosterone and migratory fueling in long and medium distance migrants <i>Arseny Tsvey</i>	Syncing with a changing Arctic: a study on rhythmicity in hormones and activity of Svalbard-breeding barnacle geese <i>Margje E. de Jong</i>
	Species-landscape interactions drive divergent population trajectories in four forest-dependent Afrotropical forest songbird species within a biodiversity hotspot in South Africa <i>Jake Mulvaney</i>	Habitat use in the air: height layer mapping of co-migrating aerial fauna <i>Cecilia Nilsson</i>	Prevalence, biodiversity, and specialization of haemosporidian parasites infecting the Amur falcon (<i>Falco amurensis</i>) <i>Sandi Willows-Munro</i>	Before, during and after the “anthropause”: the impact of human activity on individual fear response in an urban bird <i>Eleanor Diamant</i>	Sending private messages: The role of UV for Erica pollination <i>Sam Mccarren</i>	20h10 - 21h00 Live Discussion and Q&A	Annual variation in flight performance correlated with sex and life history in migratory and sedentary <i>Selasphorus</i> hummingbirds <i>Nadje Najar</i>	Adélie penguins, sentinels of sea-ice changes in East Antarctica <i>Yan Ropert-Coudert</i>

EntoGEM Birds and Insects: using ornithological studies to fill in the gaps on insect decline <i>Danielle Schwartz</i>	20h14 - 21h00 Live Discussion and Q&A	20h22 - 21h00 Live Discussion and Q&A	20h20 - 21h00 Live Discussion and Q&A	The effect of community structure and nectar concentrations on compensatory feeding of the hummingbird taxa <i>Rosalee Elting</i>	20h10 - 21h00 Live Discussion and Q&A	20h22 - 21h00 Live Discussion and Q&A	20h31 - 21h00 Live Discussion and Q&A
	20h32 - 21h00 Live Discussion and Q&A			20h39 - 21h00 Live Discussion and Q&A			

Thursday, 18th August

Time								
08h00 - 09h03	Birding in South Arica <i>Adam Riley</i>							
09h03 - 09h30	Break							
09h30 - 11h00	Round Table 19							
	Working Group of Asian Ornithology (WGAO) <i>Convenor: Song Gang</i>							
11h00 - 11h30	Break							
Time	Plenary 7							
11h30 - 12h30	Bird Conservation in Africa: irrelevance, missed opportunity or ongoing renaissance? <i>Hazell Shokellu Thompson</i>							
12h30 - 13h30	Break							
Time	Plenary 8							
13h30 - 14h30	The Origin and Future of a Tropical Biodiversity Hotspot <i>Daniel Cadena</i>							
14h30 - 15h00	Break							
Time	Symposium 15 Ethics and mitigations of biotelemetry and biologging	Symposium 30 Predicting Bird Distributions Under Global Change	Symposium 32 The "Anthropause": Using ornithological studies during the COVID-19 lockdowns to develop conservation strategies	Symposium 33 Using full annual cycle research to improve conservation of migratory species	Symposium 34 The ecology and evolution of moult in tropical birds	Symposium 39 Avian locomotion: functional morphology and evolution	Symposium 42 Steroid hormones, brain plasticity and vocal behavior	Symposium 44 The genomics of hybridisation and speciation
15h00 - 17h30	Best practice in bird tagging; why we need a physical basis to understand the flip side <i>Rory Wilson</i>	Can we predict bird distributions under global change? Linking distribution models with conservation goals <i>Maggie MacPherson</i>	Singing in a silent spring: Birds respond to a half-century soundscape reversion during the Anthropause. <i>Elizabeth Derryberry</i>	Studying birds in the context of the full annual cycle <i>Peter Marra</i>	An annual cycle view of moult <i>Barbara Helm</i>	Avian hindlimb locomotion: morphological and evolutionary aspects <i>Andrei Zinoviev</i>	Steroid Hormone Regulation of Birdsong: Neuroplasticity and Neuromodularity <i>Gregory Ball</i>	Geographical distance across a heterogeneous landscape drives genetic divergence between hybridizing pheasant lineages <i>Pengcheng Wang</i>

	Use of multi-sensor geolocators on the intra-African migrant Woodland Kingfisher <i>Samuel Temidayo Osinubi</i>	Assessing Pathways of Climate Change Effects in SpaDES: An Application to Boreal Landbirds of Northwest Territories Canada <i>Tatiane Micheletti</i>	Overview of Seabird Conservation Outcomes from the Anthropause <i>Cerren Richards</i>	Individual tracking, aeroecological monitoring and behaviour-based modelling - a multi-tiered approach to conserving migratory species <i>Silke Bauer</i>	Between hemispheres: carry over effects on the migration and moult strategies of the Curlew Sandpiper Calidris ferruginea <i>Yahkat Barshep</i>	Muscle fiber type distribution and function in woodpecker tail muscles <i>Ron Meyers</i>	Testosterone, brain plasticity and perineuronal nets in songbirds <i>Jacques Balthazart</i>	Population genomics across two zones of secondary contact of tits (Passeriformes: Periparus) in the Himalayas <i>Martin Paeckert</i>
	Long-distance luggage fees: 3% threshold for tag effects in kittiwakes depends on commuting distance <i>Kyle Elliott</i>	A trait-based risk assessment of South African forest birds indicates vulnerability of hole-nesting species <i>Tessa Cooper</i>	Partial ecosystem recovery after COVID-19 lockdown <i>Per-Arvid Berglund</i>	The wintering and migration ecology of Common Whitethroats <i>Curruca communis</i> , an Afro-Paleartic migrant <i>Claudia Tapia-Harris</i>	The geographical factor: spatial climate variation affects the duration of time available for moulting <i>Yosef Kiat</i>	Anatomical Network Analysis applied to the posterior locomotor system of aquatic birds <i>Ricardo De Mendoza</i>	Early testosterone administration accelerates developmental myelination of vocal-control tracts in the songbird brain. <i>Scott MacDougall-Shackleton</i>	A Distinct New Species of Zosterops White-eye from the Sulawesi Region, Indonesia <i>Mohammad Irham</i>
	Wing tags severely impair movement in African Cape Vultures <i>Ryno Kemp</i>	Survival in the face of climate change in the world's southernmost forest birds <i>Erik Sandvig</i>	Changes in raptor ranging behaviour in response to altered levels of human activity during COVID-19 lockdowns: a community-driven, global-scale analysis <i>Robert Patchett</i>	Birds of three worlds: moult migration to high Arctic expands a boreal-temperate flyway to a third biome <i>Antti Piironen</i>	Timing, duration and symmetry of flight feather moult in White-chinned Petrels <i>Oluwadunsin Adekola</i>	Gliding vs flapping: which gave rise to bird flight? <i>Aleksandra Panyutina</i>	How courtship behavior in songbirds is influenced by sensory experiences and sex steroids: nest cavities and neural circuits <i>Jeremy Spool</i>	Evolution and current taxonomy within the Asian <i>Psittacula</i> s.l. clade <i>Michael P. Braun</i>
	How heavy is heavy? The impacts of biologgers on birds <i>Steve Portugal</i>	16h45 - 17h30 Live Discussion and Q&A	Urban dark-eyed juncos defended territories less aggressively during the COVID-19 lockdown <i>Marlene Walters</i>	At-sea activity of an Atlantic seabird, the Black-legged Kittiwake, reveals broad dispersal strategies during migration <i>Pia Ricca</i>	16h16 - 17h30 Live Discussion and Q&A	Revisiting skeletal paedomorphosis in flightless birds with comparative morphometric analyses <i>Junya Watanabe</i>	How does an adult songbird learn new sounds? Using neuromodulators to probe the auditory association cortex's function <i>Matheus Macedo-Lima</i>	16h11 - 17h30 Live Discussion and Q&A
	16h51 - 17h30 Live Discussion and Q&A		16h37 - 17h30 Live Discussion and Q&A	Patterns of Avian Altitudinal Migration: Modelling Population Distribution using Citizen Science Data <i>Yi-Chin Tseng</i>		16h35 - 17h30 Live Discussion and Q&A	16h48 - 17h30 Live Discussion and Q&A	
			16h53 - 17h30 Live Discussion and Q&A					
17h30 - 18h30	NETWORKING FUNCTION Break							
Time	Plenary 9							
18h30 - 19h30	President's Plenary - Enriching ecology with functional morphology: The Australian Red-tailed Black-Cockatoos and Patagonian Austral Parakeets at the threshold of macroevolution <i>Dominique Homberger</i>							
19h30 - 20h00	Break							

20h00 - 21h30	Round Table 8	Round Table 17	Round Table 15	Round Table 14	Round Table 12	Round Table 16	
	Ethics and mitigations of biotelemetry and biologging <i>Convenor: Steve Portugal</i>	Gondwanan Ornithology Working Group <i>Convenor: Jörn Theuerkauf</i>	Living in Extremes: How birds in the Arctic and Antarctica cope with global climate change <i>Convenor: Isabella Scheiber</i>	Ethnobiology <i>Convenor: Karen Park</i>	Avian checklists IOU working group: Towards a Consolidated Checklist of the Birds of the World <i>Convenor: Les Christidis</i>	WGBM: Networking of the Working Group Bird Marking (IOU) <i>Convenor: Judit Szabo</i>	

Friday, 19th August

Time	Symposium 9 Potential Solutions to addressing the Southeast Asian Bird Trade Crisis	Symposium 10 Multimodality and choreography in elaborate displays	Symposium 36 Drone Research: From scientific advances to applied conservation	Symposium 37 New perspectives on the function of migratory stopovers	Symposium 40 Birds and mental health	Symposium 43 A genomic perspective on Asian avian biodiversity
08h00 - 10h30	Addressing the online trade in birds – a regulatory perspective <i>Serene Chng</i>	The development of multimodal mating signals <i>Katharina Riebel</i>	Drones: More than an emerging technology for ornithologists <i>David Bird</i>	Understanding the ecological concept of stopover in migrant birds: A conceptual framework <i>Heiko Schmaljohann, Nir Sapir</i>	Extinction of experience – the role of birds in connecting people to nature <i>Masashi Soga</i>	Genomic study of the mechanisms behind the isolation of babbler populations in the highlands of Central Vietnam <i>Per Ericson</i>
	The Illegal Trade of Helmeted Hornbills: a focus on global auction markets <i>Chloe Hatten</i>	Fighting Isn't Sexy in Lekking Greater Sage-grouse (<i>Centrocercus urophasianus</i>) <i>Samuel Snow</i>	Advances in innovative drone technology for monitoring birds and their habitats <i>Debbie Saunders</i>	How physiological stress may affect the temporal organisation of migration <i>Cas Eikenaar</i>	The benefits of reversing the extinction of experience <i>Danielle F Shanahan</i>	The superfamily Sylvioidea – a tree full of surprises <i>Per Alström</i>
	Empty countryside and wetlands: The hunting take of wild birds in Indo-Burma <i>Anuj Jain</i>	Strange tales of curious birds: lyrebirds and the evolutionary ecology of avian multimodal displays <i>Anastasia Dalziel</i>	Drone impacts on a bird flock: rapid physiological habituation and behavioural response in greylag geese (<i>Anser anser</i>) <i>Shane Sumasgutner, Petra Sumasgutner</i>	Immune function as a physiological mechanism underlying stopover decisions <i>Arne Hegemann</i>	Personalised ecology – the role of birds <i>Daniel Cox</i>	Genomic diversification in Palearctic Nutcrackers (<i>Nucifraga</i>) – how many species-level taxa? <i>Martin Paeckert</i>
	Understanding the impacts of a community-led conservation model in West Kalimantan, Indonesia <i>Adam Miller</i>	Evolutionary and ethological understanding of complex mutual courtship in estrildid finches <i>Masayo Soma</i>	Response of birds to drone approach: implications for hazing applications <i>Morgan Pfeiffer</i>	Sleepover sites: how sleep influences stopover strategies in songbirds <i>Andrea Ferretti</i>	Feeding birds: a simple, effective and (almost) global opportunity to connect with nature <i>Darryl Jones</i>	Parallel genomic responses to historical climate change and high elevation in East Asian songbirds <i>Yalin Cheng</i>
	Trade in the City: Understanding the drivers of demand behind the Singaporean bird trade <i>Jessica Lee</i>	The quest for the integrated value of courtship displays <i>Leonida Fusani</i>	Wildlife Drones: efficient radio-tracking of small birds across big landscapes <i>Debbie Saunders</i>	Impacts of habitat loss on migratory shorebird populations and communities at stopover sites in the Yellow Sea <i>Xiaodan Wang</i>		Ecological and evolutionary forces underlying the genetic diversity of Asian birds <i>Yanhua Qu</i>

	Forensic applications of Stable and Compound-Specific Isotope Analysis to help determine whether traded birds are wild-caught or captive-bred <i>Astrid Andersson</i>	10h11 - 10h30 Live Discussion and Q&A	Evaluating methods for tracking birds in a forested landscape, including a VHF-equipped drone <i>Chris Muller</i>	Effects of food decline in Yalu River Estuary wetland on migratory shorebirds <i>Shoudong Zhang</i>	09h51 - 10h30 Live Discussion and Q&A	09h41 - 10h30 Live Discussion and Q&A
	09h49 - 10h30 Live Discussion and Q&A		Small bird, big forest: application of drone monitoring for tracking post-release dispersal in large landscapes <i>Zoe Stone</i>	10h02 - 10h30 Live Discussion and Q&A		
			10h07 - 10h30 Live Discussion and Q&A			
10h30 - 11h00	Break					
Time	Plenary 10					
11h00 - 12h00	Harnessing the power of citizen science to understand and conserve birds and inspire & engage people. <i>Juliet Vickery</i>					
Time	Closing Session					
12h00 - 13h00	Vote of thanks by IOU President Prof. Dominique G. Homberger Student Awards presented by Prof Will Cresswell - Best Student Presentation - Best Student Poster - "Registration" Awards Results of the IOU Elections - IOU Council members - IOU Fellows Handover to newly elected IOU President by Prof. Dominique G. Homberger Address by new President and thanks to the outgoing IOU President by Professor Lei Fumin President Lei Fumin to officially close IOCongress2022					
Time	Post-Conference Workshop 1 - Sponsored by Druid Technology					
13h30 - 15h30	Behaviour recognition facilitates the research of movement ecology through the combination of telemetry, AI and Citizen Sciences <i>Li Guozheng, Yan Lin</i>					
Time	Post-Conference Workshop 2					
15h30 - 16h05	An introduction to Occupancy Modelling <i>Yvette Ehlers Smith</i>					