



WRC2019

Wildlife Research and Conservation

30th Sept - 2nd Oct 2019

BERLIN, GERMANY

Programme



Leibniz Institute for Zoo
and Wildlife Research
IN THE FORSCHUNGSVERBUND BERLIN E.V.







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WELCOME

On behalf of the Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW), the European Association of Zoos and Aquaria (EAZA) and WWF Germany, we heartily welcome you to Wildlife Research and Conservation 2019 (WRC2019)!

We are confident that you will enjoy a highly stimulating exchange of ideas among experts in a wide range of scientific disciplines from more than 40 countries at WRC2019!

For non-scientific entertainment, Berlin offers a vibrant cultural life, including famous historical sites, sites of contemporary architecture, museums, art galleries, two zoos and many unique bars and clubs.

We aim to make WRC2019 carbon neutral and ecologically friendly. 100 % of the **carbon neutral fee** will be invested in certified reforestation and habitat protection projects. The scientific programme booklet was printed on recycled paper.

We will do our best to make your stay productive and pleasurable! Please do not hesitate to contact us whenever you need any help and / or advice.

Sarah Benhaiem, Anne Berger, Oliver Höner, Conny Landgraf, Stefanie Lenz, Josepha Prügel, Viktoriia Radchuk, Steven Seet & Heribert Hofer



CONFERENCE VENUE

Botanic Garden and Botanical Museum Berlin

(Botanischer Garten und Botanisches Museum)

Königin-Luise-Str. 6-8

14195 Berlin

GERMANY

phone: +49 (0)30 838 50 100

web: www.bgbm.org



Botanical Museum (left), New Glasshouse and Rousseausaal in the Botanic Garden (right);
© Botanischer Garten & Botanisches Museum Berlin.

Entrances:

- **Botanical Museum, Botanic Garden:** Königin-Luise-Str. 6-8, 14195 Berlin (Bus X83, Bus 101)
- **Botanic Garden:** Unter den Eichen 5-10, 12203 Berlin (Bus M48)
If you use this entrance, you will reach the Botanical Museum within 15 minutes walk and the New Glasshouse and Rousseausaal within 10 minutes walk through the Botanic Garden (see map on back).

How to get to the conference venue:

- **Option 1:** from S/U station “Rathaus Steglitz” (accessible by urban rail train S-Bahn S1 or underground train U-Bahn U9) take the **bus X83** (direction “Königin-Luise-Str./Clayallee”) to “**Königin-Luise-Platz/Botanischer Garten**”
- **Option 2:** from U station “Dahlem Dorf” (accessible by U-Bahn U3) take the **bus X83** (direction “Lichtenrade”) to “**Königin-Luise-Platz/Botanischer Garten**”

- Option 3: from U station “**Breitenbachplatz**” (accessible by U Bahn U3 or U2) take the **bus 101** (direction “Zehlendorf”) to “**Königin-Luise-Platz/Botanischer Garten**”
- Option 4: from S station “**Botanischer Garten**” (accessible by S-Bahn S1) **walk** about 20 minutes

For directions, please also check the website of the Berlin public transport company BVG (www.bvg.de).

All participants and accompanying persons who have registered for the conference have free entry to the Botanic Garden from Monday, 30th September to Wednesday, 2nd October 2019 during the opening hours of the garden (09:00 – 19:00). Please be prepared to present your conference name badge at the entrance gates to obtain free entry.

Free WiFi in the Botanical Museum:

Network: *conference*

Key: *34zwx9db*

Connect to the wireless network “conference” and open an arbitrary web page. Instead of that page a form will appear, in which you can enter the WiFi key. Access to the wireless network will then be granted, and you will be automatically forwarded to the web page that was originally called.

Note: For technical reasons the connection to the wireless network may be interrupted at midnight. Please re-enter the key on the following day in order to continue using the WiFi.

GENERAL INFORMATION

Registration and information desk:

The staff of the conference office will be happy to help you with any questions and problems regarding the conference programme. The conference office is located in the **Botanical Museum** in the **small lecture room** on the **ground floor** ("Kleiner Hörsaal"). The opening hours are:

Monday, 30th September: 07:00 – 13:00 and 14:00 – 17:30

Tuesday, 1st October: 08:15 – 13:30 and 14:30 – 17:00

Wednesday, 2nd October: 08:15 – 12:00

Coffee and lunch breaks:

Coffee, tea, water, juice, cookies and fruits are served during the main coffee breaks as given in the programme. Water, juice and different soups will be served during lunch. All coffee and lunch breaks will take place in the **New Glasshouse in the Botanic Garden**.

Copyright regulations:

Please note that in your own interest and for copyright reasons it is strictly forbidden to take pictures, videos and sound recordings of any conference contribution especially unpublished data during the whole conference. This includes especially talks, discussions, posters and round table discussions. You may not take pictures or copies of slide shows, posters and abstracts from the Conference Proceedings. You may not use twitter, facebook & Co to distribute unpublished data. Pictures may be taken only upon authorisation by the authors and/or copyright holders. Anyone who violates the copyrights will be expelled from the conference and they are accountable to the law if they violate copyrights or steal data.

Oral presentations:

Oral presentations require a USB-stick containing all necessary information in a **single PowerPoint presentation file**. **Please hand in your presentation at the registration desk upon your arrival to receive your registration documents**. For technical reasons, individual laptops will only be hooked up to the projector in rare exceptions after prior agreement with the organisers. If you are using a Macintosh, please inform us in advance.

Posters:

Please mount your poster upon your arrival at the conference. Posters will be displayed in the gallery throughout the entire conference. Each poster has been allocated a number that indicates the board on which it can be found. The number of each poster presentation is listed in this programme booklet.

Poster sessions:

You will have an excellent opportunity to present your poster in person during the **poster pasta party** on Monday evening (**30th September, 18:30 – 21:00**) as well as during the **poster session** on Tuesday afternoon (**1st October, 15:45 – 16:45**). Please be present at your poster during these sessions. All posters should be removed latest on Wednesday, 2nd October, by 13:00. All posters not removed by this time will be disposed of.

Poster award:

Please take the opportunity to **vote for the best poster**. Voting forms are provided at the registration desk and should be completed and handed in at the desk at the latest **by Wednesday, 2nd October, 12:00**. Poster prizes will be awarded to the presenting authors of the three best posters during the closing session on **Wednesday, 2nd October, 17:00** in the main lecture hall.

Abstracts:

Abstracts of all scientific contributions to the conference are published in the Wildlife Research and Conservation 2019 conference proceedings by the Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW). The proceedings are provided on a USB-stick which you will receive at the registration desk.

SCIENTIFIC PROGRAMME

MONDAY, 30 TH SEPTEMBER		
07:00 – 13:00	REGISTRATION &	
14:00 – 17:30	SUBMISSION OF POWERPOINT PRESENTATIONS (Conference office, Botanical Museum)	
	MOUNTING OF POSTERS (New Glasshouse)	
08:45	OPENING SESSION (Main lecture hall, Botanical Museum)	
BEHAVIOUR, LIFE HISTORY AND PHENOTYPIC PLASTICITY		
Chair: Barbara Taborsky, Sarah Benhaïem		
Venue: Main lecture hall, Botanical Museum		
09:00	Barbara Taborsky	Plenary talk: The significance of developmental plasticity in dangerous environments
10:00	<i>Claudia Bieber</i>	Taking the risk? Effects of aging on timing of hibernation and reproductive investment
10:15	<i>Roshmi Rekha Sarma</i>	Impact of early-life stressors on performance and behaviour of cane toad tadpoles
10:30 – 11:15	COFFEE BREAK (New Glasshouse)	
11:15	<i>Beate Apfelbeck</i>	Maternal investment strategies of a cooperatively breeding forest specialist in degraded cloud forest fragments
11:30	<i>Claudia Fichtel</i>	Does it pay to be smart? Cognition and fitness in wild grey mouse lemurs, <i>Microcebus murinus</i>
11:45	<i>Eva Millesi</i>	Effects of external energy reserves on overwintering strategies in common hamsters
12:00	<i>Thomas Bodey</i>	Individual variation in invasive predator behaviour: consequences for conservation management
12:15 – 13:45	LUNCH BREAK (New Glasshouse)	
SOCIAL BEHAVIOUR AND MATING SYSTEMS		
Chair: Michael Cant, Oliver Höner		
Venue: Main lecture hall, Botanical Museum		
13:45	Michael Cant	Plenary talk: Kinship dynamics and the evolution of family life histories

14:45	<i>Federica Dal Pesco</i>	Fitness benefits of male-male sociality in wild Guinea baboons (<i>Papio papio</i>)
15:00	<i>Marie Manguette</i>	Reproductive costs and secondary dispersal in female western lowland gorillas
15:15	<i>Peter Kappeler</i>	Local variation in adult sex ratios structures dispersal decisions in a primate
15:30	<i>Danai Papageorgiou</i>	Collective movement and multi-level social structure of a vulturine guineafowl society
15:45	<i>Jessica Ward</i>	Modelling sociality in carnivores
16:00	<i>Winnie Eckardt</i>	Social interactions hinder the growth of a high-density mountain gorilla subpopulation
16:15 – 17:00 COFFEE BREAK (New Glasshouse)		
Parallel Session I: HANDS-ON WORKSHOP: INTRODUCTION TO THE CTMM WEB R PACKAGE FOR MOVEMENT ANALYSIS Workshop organiser: Justin Calabrese Venue: Rousseausaal, New Glasshouse		
17:00 – 18:30	<i>Justin Calabrese</i>	Hands-on workshop: Introduction to the ctmm web R package for movement analysis
Parallel Session II: IMPORTANCE OF SOCIAL BEHAVIOUR AND APPLICATION OF SOCIAL NETWORKS ACROSS WILDLIFE BIOLOGY AND CONSERVATION Session organiser: Damien Farine Venue: Main lecture hall, Botanical Museum		
17:00	<i>Damien Farine</i>	What have we learnt from studying social structure in animal societies?
17:10	<i>Pratha Sah</i>	Disease implications of animal social systems and network structure
17:30	<i>Palmyrie Boucherie</i>	Effect of early-life social experience on the development of individual social behaviour in ravens (<i>Corvus corax</i>)
17:50	<i>Adriana Maldonado-Chaparro</i>	Using social networks to identify the effects of environmental disturbances

18:10	<i>Lysanne Snijders</i>	Animal social network theory & wildlife conservation
18:30 – 21:00	POSTER AND PASTA PARTY (New Glasshouse; access via Königin-Luise-Str. 6-8, 14195 Berlin)	

TUESDAY, 1ST OCTOBER		
08:15 – 13:30	REGISTRATION & SUBMISSION OF POWERPOINT PRESENTATIONS (Conference office, Botanical Museum)	
DEFAUNATION: SPECIES FUNCTIONAL EXTINCTIONS AND THEIR SOCIO-ECOLOGICAL CONSEQUENCES		
Chair: Stefan Ziegler, Andreas Wilting		
Venue: Main lecture hall, Botanical Museum		
09:00	<i>John Fa</i>	Plenary talk: Defaunation: species functional extinctions and their socio-ecological consequences
10:00	<i>Andrew Tilker</i>	Getting the big picture: landscape-scale surveys to assess defaunation and target conservation efforts in Southeast Asia
10:15	<i>María de Gracia Grande-Vega</i>	Linkages between national economy and hunting offtake of the blue duiker on Bioko Island, Equatorial Guinea
10:30 – 11:15	COFFEE BREAK (New Glasshouse)	
11:15	<i>Jacob Willie</i>	Habitat selection in small-sized mammals along a defaunation gradient
11:30	<i>Thomas Breuer</i>	Impact of anthropogenic threat on forest elephants, people and the ecosystem
11:45	<i>Torsten Krause</i>	Defaunation and the role of traditional ecological knowledge for the conservation of tropical forest fauna
12:00	<i>Mark Schwartz</i>	Assessing risk in conservation translocation of species

HUMAN-WILDLIFE INTERACTIONS: COMING FROM BOTH SIDES – I Chair: Tanja Straka, Lysanne Snijders Venue: Main lecture hall, Botanical Museum		
12:15	<i>Maarten Jacobs</i>	The hard problem of conservation: Doing good is not good enough
12:30	<i>Dror Ben-Ami</i>	A compassionate conservation perspective on the conflict between protecting ecosystems and species rather than individuals, and possible solutions
12:45 – 14:15 LUNCH BREAK (New Glasshouse)		
Parallel Session III: SMART TAGS FOR SMART ANIMALS; BUT ARE WE BEING SMART ABOUT WHAT WE ARE DOING WITH THEM? Session organisers: Francesca Cagnacci, Anne Berger Venue: Rousseausaal, New Glasshouse		
14:15	<i>Emiel van Loon</i>	Modest means will take us a long way
14:45	<i>Gaelle Fehlmann</i>	How to plan a bio-logging study with high ethical standards?
15:00	<i>Johannes Fritz</i>	The position matters: Handicaps of bio-tagging in wild living Northern Bald Ibises <i>Geronticus eremita</i>
15:15	<i>Verena Puehringer-Sturmayer</i>	Effects of bio-loggers on behaviour and corticosterone metabolites of Northern Bald Ibises (<i>Geronticus eremita</i>)
15:30	<i>Jasper Eikelboom</i>	Advanced instrumentation and analytics for wildlife protection
After each talk there will be a short presentation of the posters submitted for this session (1,5 min per poster).		
Parallel Session IV: PANEL DISCUSSION: DEFAUNATION - FROM CONSERVATION SCIENCE TO CONSERVATION ACTION Session organisers: Stefan Ziegler, Arnulf Köhncke, Andreas Wilting Moderator: Marion Junkersdorf Venue: Main lecture hall, Botanical Museum		

14:15 – 15:45	<i>John Fa, Frank Barsch, Martin Bostroem, Andrew Tilker</i>	Panel discussion: Defaunation - from conservation science to conservation action
15:45 – 16:45	COFFEE BREAK & POSTER SESSION (New Glasshouse)	
Parallel Session V:		
RECENT ADVANCES IN CAPTURE-RECAPTURE STUDIES WITH APPLICATIONS IN WILDLIFE RESEARCH AND CONSERVATION		
Session organisers: Olivier Gimenez, Lucile Marescot		
Venue: Room will be announced at the conference		
16:45	<i>Olivier Gimenez</i>	Capture-recapture - Ecological questions, methods
17:05	<i>Lucile Marescot</i>	Studying the fitness costs of infection when health status is uncertain for some individuals: a case study of canine distemper virus infection in Serengeti spotted hyenas
17:20	<i>Antica Culina</i>	Uncovering population dynamic, habitat use, and life-history trade offs in bats and birds using capture recapture models
17:35	<i>Christophe Barbraud</i>	Impact of fishing and climate on seabird demography
17:50	<i>Ana Sanz-Aguilar</i>	Studying foraging strategies by multievent capture-recapture models
18:05	<i>Pierre Dupont & Cyril Millet</i>	Challenges and promises of large-scale Spatial Capture Recapture
Parallel Session VI:		
HUMAN-WILDLIFE INTERACTIONS: COMING FROM BOTH SIDES – II		
Session organisers: Maarten Jacobs, Sophia Kochalski, Tanja Straka, Lysanne Snijders		
Venue: Room will be announced at the conference		
16:45	<i>Freddy Manongi</i>	Converse relationships between conservation, tourism and human development: The case of Ngorongoro Conservation Area, Tanzania
16:55	<i>Arjun Dheer</i>	Understanding Maasai and large carnivore relationships in Ngorongoro Conservation Area, Tanzania

17:05	<i>Catherine Herbert</i>	Human-kangaroo Interactions in Suburban Ecosystems: An emerging challenge for managers, people and kangaroos
17:15	<i>Jörg Melzheimer</i>	Social hubs of an unsocial cat: cause and solution for the human-cheetah conflict
17:25	<i>Nedim Kemer</i>	Why are the wild fish in the seasonal irrigation channels?
17:35	<i>Ben Klinkenberg</i>	Reverse NIMBYism: Human-human conflict resulting from human-wildlife conflict
17:45	<i>Nader Habibzadeh</i>	Analysis of conflict reduction strategies in Iran; Case study: Kharvana district, East Azerbaijan province
17:55	<i>Daniel Mfossa Mbouombouo</i>	Community led conservation in the Littoral Region, Cameroon: Five years experiences with the "Club des Amis des Gorilles" to save Ebo Gorilla
18:05	<i>Penny Banham</i>	Prioritising communities to enable an environment for coexistence with carnivores: case studies from Kenya and India
18:15 – 18:45		Panel discussion

WEDNESDAY, 2ND OCTOBER

08:15 – 12:00	REGISTRATION & SUBMISSION OF POWERPOINT PRESENTATIONS (Conference office, Botanical Museum)	
HORMONES, INDIVIDUAL PLASTICITY AND FITNESS		
Chair: Michaela Hau, Marion East		
Venue: Main lecture hall, Botanical Museum		
09:00	<i>Michaela Hau</i>	Plenary talk: Hormones, individual plasticity and fitness
10:00	<i>Coraline Bichet</i>	Physiology in a long-lived seabird: what can we learn from a longitudinal study?

10:15	<i>Lukáš Kubička</i>	Temporal organization of male sexual behaviour in lizards: why is necessary to follow time series in the studies of hormonal control
10:30 – 11:15	COFFEE BREAK (New Glasshouse)	
11:15	<i>Fabiola Rodrigues de Oliveira Silva</i>	Assessment of a remote delivery approach for fertility control in eastern grey kangaroos
11:30	<i>Mark Hauber</i>	Proximate predictors of variation in egg rejection behavior by avian brood parasite hosts
11:45	<i>Eva De la Peña</i>	Testosterone may promote sex trait size only under conditions of intrasexual competition: the dark ventral patch in red deer
12:00	<i>Wolfgang Goymann</i>	It's the brain, not the gonad, Oida! – Hormones and mating system differences in coucals
12:15	<i>Jelena Mausbach</i>	Eco-evolutionary physiology of environmental stress: corticosterone as a driver of adaptive divergence in moor frogs (<i>Rana arvalis</i>) along an acidification gradient
12:30	<i>Martin Küblbeck</i>	Negative feedback regulation of the HPA axis – a meaningful status measure for conservation?
Parallel Session VII:		
SEXUAL CONFLICT AND ADAPTATION TO ENVIRONMENTAL CHANGE		
Chair: Alexandre Courtiol		
Venue: Rousseausaal, New Glasshouse		
11:15	<i>Nicolas Fasel</i>	Evolution of post-copulatory characters in vesper bats
11:30	<i>Megan Petersdorf</i>	Female reproductive synchrony and male reproductive skew in a seasonally-breeding baboon
11:45	<i>Christina Bauch</i>	Sex-specific telomere dynamics in relation to age and reproductive success in a long-lived seabird
12:00	<i>Clara Ferreira</i>	Effects of fragmentation in the social behaviour of the Cabrera vole: insights from genetic non-invasive sampling
12:15	<i>Kseniia Kravchenko</i>	Change in migratory behavior of bats revealed by stable isotopes

12:30	<i>Gaëlle Fehlmann</i>	How urban parrots navigate and fly through the city centre: the cognitive challenges of adaptation
12:45 – 14:15	LUNCH BREAK (New Glasshouse)	
CONSERVATION GENETICS		
Chair: Zjef Pereboom, Mike Bruford, Jörns Fickel		
Venue: Main lecture hall, Botanical Museum		
14:15	<i>Mike Bruford</i>	Plenary talk: Genomic management of endangered species across the in situ/ex situ continuum and the role of biobanks
15:15 – 15:30	SHORT BREAK	
15:30	<i>Zjef Pereboom</i>	Introduction
15:40	<i>Peter Frandsen</i>	Bridging the gaps between population genomics and conservation through the use of zoo samples
15:55	<i>Mirte Bosse, Jack Windig</i>	Population genomics and breeding strategies of baboon populations in zoos
16:10	<i>Harma Louise Leeflang, Philippe Helsen</i>	Mitochondria as a driving force for sex-specific fitness differences in ex-situ breeding populations
16:25	<i>Emily Humble, Rob Ogden</i>	Genomic assessment of zoo populations for conservation reintroductions
16:40	<i>Grete Nummert, Tiit Maran</i>	Using ex situ population for establishment of wild population. How much genetic diversity is transferred during translocation? Case study of the European mink translocation to Hiiumaa Island in Estonia
16:55 – 17:30	CLOSING CEREMONY & POSTER AWARDS (Main lecture hall, Botanical Museum)	
18:30 – 22:30	CONFERENCE BANQUET (Zoo Restaurant; access via Zoo entrance “Elephant Gate”, Budapester Str. 34, 10787 Berlin; see page 30 for a description on how to get there)	

POSTERS

ADVANCES IN GAMETE PRESERVATION FOR ASSISTED REPRODUCTION	
001	Cells survival after cryopreservation of dissociated testicular cells from three feline species <i>Mohammad Bashawat, Alexandra Weber, Beate Braun, Karin Müller</i>
002	Embryo vitrification for the Felid-Gamete-Rescue-Project <i>Lorena Fernandez-Gonzalez, Katarina Jewgenow, Jennifer Zahmel</i>
003	Serum-free vitrification of domestic cat oocytes compatible with Raman spectroscopy study <i>Valentina Mokrousova, Konstantin Okotrub, Nikolay Surovtsev, Sergei Amstislavsky</i>
004	Domestic cat (<i>Felis catus</i>) oocytes cryopreservation: controlled rate cooling versus vitrification <i>Valentina Mokrousova, Elena Kizilova, Eugeny Brusentsev, Sergei Amstislavsky</i>
BEHAVIOUR, LIFE HISTORY AND PHENOTYPIC PLASTICITY	
005	Individual variation in hunting behaviour of cheetahs in an intensively managed space-limited reserve at the Sir Bani Yas Island (United Arabian Emirates) <i>Sadia Abid, Sadaf Bilal, Abid Mehmood, Bilal Kabeer, Pavla Hejzmanová</i>
006	Terns of the genus <i>Sterna</i> nesting on the islands of the Valaam archipelago <i>Elena Agafonova, Mariia Matlova, Elizaveta Laevskaia, Mariia Sokolovskaya</i>
007	Evaluation of pumas (<i>Puma concolor</i> L.) body condition that visits water ponds in the Dos Lagunas Biotopo Protegido from 2014 to 2017 <i>Usi'j Bá, Andrea Aguilera, Gerbert Guzmán, Vivian González, Manolo García</i>
008	The genetics of morphological and behavioral island syndrome traits in deer mice <i>Felix Baier, Hopi E. Hoekstra</i>
009	Lion-tailed macaques (<i>Macaca silenus</i>) in zoos. A case for "HIREC" studies? <i>Nilofer Begum, Werner Kaumanns, Heribert Hofer</i>
010	Parasite infections in a social carnivore: evidence of their fitness consequences and factors modulating infection load <i>Susana CM Ferreira, Heribert Hofer, Luis Madeira de Carvalho, Marion L East</i>

011	Is hibernation good for your health? Leukocyte numbers in a small hibernator, the edible dormouse (<i>Glis glis</i>) <i>Joanna Fietz, Nadine Havenstein</i>
012	Visitation of jaguars to seasonal ponds during dry season in a Tropical forest <i>Carlos A. Gaitán, Vivian R. González, Gerber D. Guzmán-Flores, Manolo J. García</i>
013	Immediate post-translocation monitoring of re-introduced West African giraffe in Gadabedji Biosphere Reserve, Niger after 50 year absence <i>Kateřina Gařparová, Abdoul Razack Moussa Zabeirou, Julian Fennessy, Thomas Rabeil, Karolína Brandlová</i>
014	A systematic review of mammalian activity patterns: moonlight, predation risk, and human disturbance <i>Maria Gatta</i>
015	Seeking to conserve the Tasmanian devil (<i>Sarcophilus harrisii</i>) species through dental pulp stem cell (DPSC) studies and furthering current understanding of Devil Facial Tumour (DFT) <i>Chelsea Graham, Karlea Kremer, Simon Koblar, Monica Hamilton-Bruce, Stephen Pyecroft</i>
016	Cardiac excitation-contraction coupling during torpor in the bat <i>Nyctalus noctula</i> <i>Sofía Inés Hayden Bofill, Lea Gajewski, Kseniia Kravchenko, Christian Voigt, Shannon Currie</i>
017	Is not eland as an eland: how to distinguish common Common eland from the critically endangered Derby eland? Try the dung <i>Pavla Hejčmanová, Lucie Stoklasová, Karolína Brandlová</i>
018	Similarly low-frequency stag rutting calls and hind contact calls develop from the high-frequency newborns calls in Pannonian red deer <i>Ksenia Karaseva, Ilya Volodin, Daria Yurlova, András Nahlik, Tamás Tari, Elena Volodina</i>
019	Forest undergrowth phytocenosis as a factor impacting the bank vole's area usage <i>Emilia Kielan, Michał Kołakowski, Piotr Zegadło, Elżbieta Jancewicz</i>
020	Pest suppression by bats in a human-modified landscape <i>Cecilia Kruszynski, Rafael A. Moral, Cristiane Míllan, Thais R. Diniz-Reis, Marco A. R. Mello, Plinio B. Camargo</i>

021	The influence of parasitism, food availability and predation on the breeding success of the Little Vermilion Flycatcher <i>Céline Leuba, Sabine Tebbich, Birgit Fessl</i>
022	Daubenton's bat (<i>Myotis daubentoni</i>) hibernation at the Leningrad region <i>Mariia Matlova, Elizaveta Laevskaia, Elena Agafonova</i>
023	Size matters: do leukocytes number and ratio depend on felids hunting strategy? <i>Sergey Naidenko</i>
024	Larks, owls, swifts and woodcocks among fruit flies: maladaptive responses of the sleep-wake cycle to hot and long summer days are modified by heritable chronotype <i>Arcady Putilov, Ludmila Zakharenko, Dmitriy Petrovskii</i>
025	To migrate or not to migrate... is it my personality? <i>Theresa Schabacker, Sofia Rizzi, Uwe Hoffmeister, Tobias Teige, Christian Voigt, Lysanne Snijders</i>
026	Diet quality of zebra and buffalo in two nature reserves in Senegal <i>Lucie Stoklasová, Pavla Hejčmanová</i>
027	Contrasting strategies to cope with thermal variation in a wild fish community <i>David Villegas Rios, Carla Freitas, Even Moland, Esben Olsen</i>
028	Individual identity of ultrasonic calls along ontogeny in the yellow steppe lemmings (<i>Eolagurus luteus</i>) <i>Ilya Volodin, Daria Yurlova, Julia Kozhevnikova, Olga Ilchenko, Elena Volodina</i>
SOCIAL BEHAVIOUR AND MATING SYSTEMS	
029	The estimated size of a population of Jaguar and its behavior in the Pantanal region, Brazil <i>Julio Cesar de Souza, Gediendison R Araujo, Thyara D.S. Araujo, Waleria M. Barros, Carolina F. de Souza, Genesis F. Oliveira, Carlos R. Silva, Rachel S. McCria</i>
030	The importance of vultures in the elimination and location of carcasses in the field <i>Julio Cesar de Souza, Scott H. Markwith, Jeniffer C.B. Ferreira, Carolina F. Souza, Genesis F. Oliveira, Rachael S McCrea</i>
031	Females rule, males serve: The recipe for social monogamy in a Neotropical monkey? <i>Sofya Dolotovskaya, Eckhard W. Heymann</i>

032	<p>Social behaviour variation in wild adult female vervet monkeys under food provisioning experiment</p> <p><i>Miguel Garetta G., Cloé Brachotte, Christèle Borgeaud, R. Damien Farine, R. Bshary</i></p>
033	<p>Blood in space: The elements of sociality in Eurasian lynx local population formation</p> <p><i>Annika Herrero, Katja Holmala, Cornelya Klütsch, Tommi Nyman, Simon Maduna, Alexander Kopatz, Julia Schregel, Hans Geir Eiken, Snorre B. Hagen</i></p>
034	<p>What can relatedness analysis teach us about Eurasian lynx sociality?</p> <p><i>Katja Holmala, Snorre Hagen, Annika Herrero, Cornelya Klutsch</i></p>
035	<p>Friends over muscle: Social support explains why females dominate males in spotted hyaenas</p> <p><i>Oliver Höner, Colin Vulllioud, Eve Davidian, Bettina Wachter, Francois Rousset, Alexandre Courtiol</i></p>
036	<p>Mate choice in white rhinoceros (<i>Ceratotherium simum</i>, Burchell, 1817), new insights for conservation management</p> <p><i>Petra Kretzschmar, Hailie Auld, Udo Gansloßer, Candace Scott, Peter John Van Coeverden de Groot, Alexandre Courtiol</i></p>
037	<p>Noisy neighbours: patterns of signal partitioning in mixed-species aviaries</p> <p><i>Rebecca Lewis, Leah Williams, Tucker Gilman</i></p>
038	<p>Does being cheated on speed up biological ageing in zebra finches (<i>Taeniopygia guttata</i>)?</p> <p><i>Katherine Mathison, Adriana Maldonado Chaparro, Damien Farine, Neeltje Boogert</i></p>
039	<p>Does sexually attractive facial colouration in male rhesus macaques reflect their ability to cope with oxidative stress?</p> <p><i>Zoe Melvin, Sandra Winters, James P. Higham, Dario Maestripieri, Melissa Emery Thompson, Alexander V. Georgiev</i></p>
040	<p>Rainfall decrease and Iberian red deer rutting behaviour: less roaring but higher opportunity for sexual selection</p> <p><i>Marina F. Millán, Juan Carranza, Javier Pérez-González, Juliana Valencia, Jerónimo Torres-Porras, Jose M. Seoane, Eva De la Peña, Susana Alarcos, Cristina B. Sánchez-Prieto, Leticia Castillo, Antonio Flores, Alberto Membrillo</i></p>
041	<p>Changing quality of pair bond over reproductive season in grey wolves?</p> <p><i>Britta Schnappat, Elisabeth Alexandra Svitil, Annike Eylering, Udo Gansloßer</i></p>

042	The social organisation of African mole-rats <i>Markus Zöttl</i>
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043	Maxent modeling for predicting suitable habitats in the Central Caucasus (North and South Ossetia) for Persian leopard (<i>P.p.ciscaucasica</i>) based on GPS data from collared and released animals Viatcheslav Rozhnov, Rustam Pshegusov, Jose Hernandez-Blanco, Alim Pkhitikov, Maria Chistoplova, Sergey Naidenko, Natalia Dronova, <i>Anna Yachmennikova</i>
044	Inventory of Siberian tiger (<i>Panthera tigris altaica</i>) habitats in lesser Khingan mountains (Heilongjiang Province, PRC) Viatcheslav Rozhnov, Ivan Kotlov, Shibing Zhu, Yi Qu, Robert Sandlerskyi, <i>Anna Yachmennikova</i>
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046	Does the anthropogenic noise affect foraging in small mammals? <i>Paula Antonina Bednarz, Karolina Grzelak, Rafał Zwolak</i>
047	Management of human-wild pig conflicts in densely urbanised area – the case of Hong Kong <i>Po-lam Chan</i>
048	Human-elephant interaction in north-west India – drivers, patterns and conservation implications of crop-raiding behaviour in a human-dominated landscape <i>Rahul De, Parag Nigam, Qamar Qureshi, A.C. Williams, Surendra Prakash Goyal</i>
049	Should I stay or should I go – variability in migration behaviour in red deer <i>Frederik Franke, Wibke Peters, Tomáš Peterka, Maik Henrich, Marco Heurich</i>
050	The corridor of the last chance: a study of the impacts of livestock on the biodiversity of the Kalahari Desert fauna, Botswana <i>Marie-Charlotte Gielen</i>
051	Forestry and browsing by deer in central Europe: paths towards integrative management <i>Norbert Kühn, Rudi Suchant</i>

052	Movement patterns of endemic swamp deer across fragmented, human-dominated landscape of the northern Indian subcontinent <i>Shrutarshi Paul, Bivash Pandav, Dhananjai Mohan, Bilal Habib, Parag Nigam, Samrat Mondol</i>
053	Going to the dogs? Human-induced evolution in the grey wolf <i>Malgorzata Pilot, Wieslaw Bogdanowicz</i>
054	Using a behavioural game to understand pastoralist decision-making in response to carnivore conflict <i>Rebecca Sargent, Sarobidy Rakotonarivo, Andrew Bell, Nils Bunnefeld, Marion Pfeifer</i>
055	The effects of tourism on the behaviour of the endangered Zanzibar red colobus monkey <i>Ann-Sophie Warkentin, Alexander Georgiev</i>
056	Grey seals in the German Baltic Sea: conservation, research and monitoring of Germany's largest marine predator <i>Linda Westphal, Henning von Nordheim, Alexander Liebschner, Michael Dähne</i>
057	Temporal changes in reproductive rates of coyotes (<i>Canis latrans</i>) in Nova Scotia during an incentive program <i>Ali White, Jenna M. Priest, Mike Boudreau, Dave Shutler</i>
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058	An improved method for the attachment and reattachment of bio-logging devices to hedgehogs (<i>Erinaceus europaeus</i>) <i>Berger Anne, Schubert Nadine, Barthel Leon</i>
059	Large-scale automated monitoring of a long-lived seabird <i>Coraline Bichet, Nathalie Kürten, Oscar Vedder, Sandra Bouwhuis</i>
060	Movement and behaviour of canids through biologging <i>Holly English, Rory Wilson, Mark Holton, Rosie Woodroffe, Simone Ciuti, Luca Börger</i>
061	Smile for the camera: How detection probabilities of camera traps are shaped by animal behaviour and the environment <i>Maik Henrich</i>
062	Box traps 2.0: smart, efficient and selective to capture wildlife <i>Ruben Portas, Ralf Roeder, Joerg Melzheimer</i>

063	Test what you use: an empirical assessment of proximity loggers functionality <i>Federico Ossi, Bryony Tolhurst, Stefano Focardi, Davide Molteni, Gian Pietro Picco, Amy Murphy, Francesca Cagnacci</i>
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065	Small mammals as model species to evaluate environmental and climatic effects of climate change across European habitat heterogeneity <i>Giulia Ferrari, Francesca Cagnacci, Valentina Tagliapietra, Harry Peter Andreassen, Olivier Devineau</i>
066	Predator-prey relations and density estimations based on camera trap data in Bükk National Park, Hungary <i>Dóra Gigler, Péter Gombkötő, László Patkó</i>
067	Pilot estimation of leopard density in the Nama-Karoo habitat in Southern Namibia <i>Viktor Neštický, Karolina Mikšlová, Chéri Morkel, Karolína Brandlová</i>
068	Estimating density for the endangered Himalayan brown bear by integrating non-invasive DNA-sampling and camera traps <i>Mahdieh Tourani, Pierre Dupont, Muhammad Ali Nawaz, Richard Bischof</i>
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069	Faecal evaluation of PDG in a female okapi (<i>Okapia johnstoni</i>) to define oestrus cycle and fertile window for reproduction program of conservation <i>Rebecca Andreini, Annalisa Zaccaroni, Renato Piccinini, Giuseppe Piscopo</i>
070	Validation of an enzymatic immunoassay for the quantification of serum progesterone levels in a viviparous matrotrophic lizard <i>Mabuya sp</i> <i>Heriberto Barbosa Moyano, Salomé Rodríguez Chaparro, Rodrigo Luis Silva Ribeiro Santos, Martha Patricia Ramírez Pinilla</i>
071	Hormonal control of sexual dimorphism in chameleons <i>Anna Bauerová, Lukáš Kratochvíl, Lukáš Kubička</i>
072	Two novel matrices for non-invasive monitoring of glucocorticoids in logger-head sea turtles (<i>Caretta caretta</i>) <i>Annais Carbajal, Encarna Casas-Díaz, Sandro Rodriguez, Marta González-Fernández, Gemma Palencia, Tania Monreal-Pawlowsky, Manel Lopez-Bejar</i>

073	Contraceptive efficacy and dose response effects of the GnRH agonist deslorelin in Tasmanian devils (<i>Sarcophilus harrisii</i>) <i>Holly Cope, Sarah Peck, Rebecca Hobbs, Tamara Keeley, Stephen Izzard, Wei Yeen-Yap, Peter White, Carolyn Hogg, Catherine Herbert</i>
074	Stress kills sex: Physiological stress mediates male performance and reproductive skew in a social mammal <i>Eve Davidian, Bettina Wachter, Ilja Heckmann, Martin Dehnhard, Heribert Hofer, Oliver Höner</i>
075	Superovulation and embryo collection in European Roe deer (<i>Capreolus capreolus</i>) <i>Barbara Drews, Susanne Ulbrich, Rudolf Vegas Alba, Katarina Jewgenow, Jennifer Zahmel, Kathleen Roellig, Ortman Sylvia, Thomas Hildebrandt, Frank Goeritz</i>
076	Does rural tourism cause stress to a wild population of Iberian red deer? <i>Araceli Gort Esteve, Joan Lluís Riera Rey, Jordi Ruiz Olmo, Xavier Manteca Vilanova, Encarna Casas Días, Manel López Béjar</i>
077	Effects of chronic stress on sexual maturation rate in different seasonal generations of dwarf hamsters <i>Phodopus sungorus</i> <i>Iana Huang, Ekaterina Kondratyuk, Ivan Polikarpov, Pavel Zadubrovskiy, Eugene Novikov</i>
078	Recreational activities and hunting create a landscape of fear for deer in the Bohemian Forest Ecosystem <i>Sophie Kirberg, Wibke Peters, Maik Henrich, Frederik Franke, Klaus Hackländer, Marco Heurich</i>
079	Changes in call structure, body mass and testosterone level during voice-breaking in adolescent Siberian Cranes (<i>Grus leucogeranus</i>) <i>Anna Klenova, Maria Goncharova, Tatiana Kashentseva, Sergey Naidenko</i>
080	Female attractiveness pheromone is not needed for sex recognition in geckos <i>Lukas Kratochvíl, Tereza Schoralkova, Lukas Kubicka</i>
081	Acyclicity to cyclicity: breeding the elusive okapi (<i>Okapia johnstoni</i>) <i>John O Hanlon, Rebecca Moge, Helen Clarke, Sue Walker, Tim Rowlands</i>
082	Sensitive window for sex determination in a lizard with environmental sex determination <i>Barbora Straková, Lukáš Kubička, Lukáš Kratochvíl</i>

083	Practical implications of using different oestrogen-metabolite assays in giant panda reproductive monitoring <i>J. Wauters, K. Wilson, T. Bouts, B. Mulot, A. Leclerc, H. Niinimäki, J. Kok, A.F. Howie, W.C. Duncan, D. Li, H. Zhang, I. Valentine, L. Vanhaecke</i>
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084	Genetic inference of population stability and dynamics in wild western lowland gorillas <i>Laura Hagemann, Mimi Arandjelovic, Martha M. Robbins, Tobias Deschner, Matthew Lewis, Graden Froese, Christophe Boesch, Linda Vigilant</i>
085	Population markers of the German origin red deer (<i>Cervus elaphus hippelaphus</i>) in Southern Russia: cytochrome b, microsatellites and the acoustics of rutting calls <i>Elena Volodina, Olga Golosova, Marina Kholodova, Ilya Volodin</i>
086	Noninvasive molecular genetic method for individual identification of Persian leopard (<i>Panthera pardus saxicolor</i>) in Parvar Protected Area, Semnan, Iran <i>Pantea Ardani, Hamid Reza Rezaei, Parham Dibadj, Ashkan Asharioun, Setareh Babaki Rad, Mohammad Kaboli</i>
087	Genetic diversity and degree of differentiation of wild reindeer populations (<i>Rangifer tarandus</i> L., 1758) in the European part of Russia and Siberia based on the analysis of polymorphism of microsatellite loci <i>Anna Baranova, Marina Kholodova, Taras Sipko, Danila Panchenko, Petr Danilov</i>
088	On thin ice: The cold hard facts about the future of conservation <i>Ania Brown, Elmar Fienieg, Raymond van der Meer, Zjef Pereboom, Christina Hvilsom</i>
089	Low immune gene diversity and disease susceptibility: implications for survival of the endangered black-footed ferret (<i>Mustela nigripes</i>) <i>Lorena Derežanin, Sergei Kliver, Gaik Tamazian, Ksenia Krashennikova, Saki Chan, Alex Hastie, Olga Dudchenko, Erez Aiden, Jon Earls, Jarret Glasscock, Ryan Phelan, Oliver Ryder, Warren Johnson, Budhan Pukazhenth, David Wildt, Klaus-Peter Koepfli</i>
090	Mitochondrial variation and provenance of the population of Eastern black rhino in European Zoos <i>Franziska Elsner-Gearing, Cathy Walton, Mark Pilgrim</i>

091	Near threatened: Geographic distribution and genetic variability of the garden dormouse (<i>Eliomys quercinus</i>) in South-West Germany <i>Stefanie Erhardt, Marc Fiebig, Marc Förschler, Franz Langer, Gernot Segelbacher, Joanna Fietz</i>
092	Research challenges and opportunities for the genetic management of EAZA Ex situ Programmes (EEPs) <i>Elmar Fienieg, Raymond Van der Meer, Ania Brown</i>
093	Epigenetic variation in territorial and non-territorial cheetah males in Namibia <i>Diana Geweiler, Bettina Wachter, Jörns Fickel, Gábor Á Cziráj, Jörg Melzheimer, Alexandra Weyrich</i>
094	DNA methylation patterns associated with cheetahs' health status in captivity versus free-ranging <i>Tania Guerrero Altamirano, Alexandra Weyrich</i>
095	Hybridisation and introgression in the Scottish wildcat <i>Jo Howard-McCombe, Helen Senn, Daniel Lawson, Michael Bruford, Andrew Kitchener, Mark Beaumont</i>
096	The genetic diversity of saiga (<i>Saiga tatarica tatarica</i>) population from the North-West Pre-Caspian region: mtDNA control region and microsatellite analyses <i>Nadezhda Kashinina, Marina Kholodova, Pavel Sorokin, Anna Lushchekina</i>
097	Highlighting the evolutionary history of the Iberian red deer (<i>Cervus elaphus hispanicus</i>) <i>Joaquin Munoz, Alberto Membrillo, Juan Carranza</i>
098	Conservation management strategies in the face of genetic impoverishment: case studies in small Central European populations of felids <i>Joe Premier</i>
099	Genetic management in conservation breeding programmes: the case of the Houbara bustard in Morocco <i>Robin Rabier</i>
100	A genetic look at scent marking behaviour in wolves <i>Canis lupus</i> <i>Kinga Stępnia, Maciej Szewczyk, Natalia Niedźwiecka, Robert W. Mysłajek</i>
101	Estimating population size and connectivity of a fragmented capercaillie (<i>Tetrao urogallus</i>) population in the Black Forest <i>Rudi Suchant, Anette Kohnen, Joy Coppes</i>

102	Genetic structure of the expanding wolf population in Poland Maciej Szewczyk, Sabina Nowak, Natalia Niedźwiecka, Michał Figura, Patrycja Tomczak, Przemysław Stachyra, <i>Kinga M. Stępnia</i> k, Tomasz Zwiacz-Kozica, Robert W. Mysłajek
103	Novel Y chromosome markers reveal low differentiation among brown bear populations in northern and central Europe <i>Liam Thomas</i> , Pablo Orozco-terWengel, Frank Hailer
104	Optimizing the genetic management of reintroduction projects: Genetic population structure of the captive Northern Bald Ibis population <i>Sarah Wirtz</i> , Christiane Böhm, Johannes Fritz, Kurt Kotrschal, Michael Veith, Axel Hochkirch
105	Population genomics of a reintroduced hybrid population – the Asiatic wild ass <i>Equus hemionus</i> in Israel <i>Lilith Zecherle</i> , Richard Brown, Hazel Nichols, Shirli Bar-David
OPEN SESSION	
106	Carnet de conservation: travel diaries focusing on wildlife research and conservation Emmanuelle Chave
107	On the pseudoscorpions from Serbia and their conservation <i>Nina Curcic</i>
108	Automated detection of large ungulates from UAV acquired imagery <i>Meyer E. de Kock</i> , Victor Nesticky
109	Feeding behavior of Jaguar (<i>Panthera onca</i>) on bovine carcass in the Pantanal <i>Julio Cesar de Souza</i> , Carolina de Souza, Paulo B. Ferraz Filho, Genesio F. Oliveira, Rachael S McCrea
110	Parasitological monitoring of costal and synanthropic South American sea lion (<i>Otaria flavescens</i>) populations and first ultrastructural analysis on <i>Ogmogaster heptalineatus</i>-eggs <i>David Ebmer</i> , Maria José Navarrete, Pamela Muñoz, Luis Miguel Flores, Ulrich Gärtner, Anja Taubert, Carlos Hermosilla
111	Case report: Severe otostrongylosis in a juvenile female harbour seal (<i>Phoca vitulina</i>) from Northfrisian Island of Föhr, Germany, and detection of further endoparasite species <i>David Ebmer</i> , Janine Bahr-van Gemmert, André van Gemmert, Ellen Prenger-Berninghoff, Kernt Köhler, Christa Ewers, Anja Taubert, Carlos Hermosilla

112	Shifts in diversity of the gastrointestinal-parasites community in young forest musk deer (<i>Moschus berezovskii</i>) <i>Yunyun Gao, Yajun Fu, Henan Li, Liping Tang, Huiping Jia, Defu Hu, Dong Zhang</i>
113	Mountain gorillas in the Virunga: population growth or artifact? <i>Anne-Céline Granjon, Martha M. Robbins, Joseph Arinaitwe, Mike Cranfield, Winnie Eckardt, Innocent Mburanumwe, Abel Musana, Andrew M. Robbins, Justin Roy, Linda Vigilant, Jena R. Hickey</i>
114	The participation of young zoologists in field researches of the Leningradsky Zoo <i>Elizaveta Laevskaia, Mariia Matlova, Elena Agafonova</i>
115	Baseline survey and habitat study of horseshoe crabs of singapore <i>Jasmin Lim, Laura Yap, Yi Long Ng, Oliver Chang, Prashant Shingate, Boon Hui Tay, Qian Tang, Frank Rheindt, Hor Yee Tong, Karenne Tun, Byrappa Venkatesh</i>
116	Evolutionary development of the carnassial tooth in extant canids using geometric morphometrics <i>Paola Andrea Márquez-González, Joao Muñoz-Durán</i>
117	Burrow Structure of the Bornean Porcupine, <i>Hystrix crassispinis</i> <i>Marina Mohd. Top</i>
118	Host-parasite associations in eastern coyotes (<i>Canis latrans</i>) in Nova Scotia, Canada <i>Jenna Priest, Donald T. Stewart, Michael Boudreau, Dave Shutler</i>
119	Characterization of early embryonic cellular defects after somatic cell nuclear transfer in goldfish <i>Charlène Rouillon, Alexandra Depincé, Pierre-Yves Le Bail, Catherine Labbé</i>
120	The Leibniz IZW Academy: A knowledge transfer tool to train professionals working with wildlife <i>Anne Seltmann, Kathleen Röllig</i>
121	New findings and distribution of the introduced moth <i>Acontia candefacta</i> (Lepidoptera: Noctuidae) in Serbia (Southeast Europe) <i>Dejan Stojanovic, Dragan Vajgand, Dejan Radovic, Nina Curcic, Srecko Curcic</i>

SOCIAL EVENTS

Poster and pasta party:

When: Monday, 30th September, 18:30 – 21:00

Where: New Glasshouse in the Botanic Garden
(access via Königin-Luise-Str. 6-8, 14195 Berlin)

You will be invited to enjoy and discuss poster presentations while having some good pasta and drinks.

Please note: Between 19:00 – 20:00 the access to the Botanic Garden and New Glasshouse is only possible via the Botanical Museum. After 20:00 the museum and garden are closed and access will no longer be possible. Therefore, we recommend arriving at the poster pasta party on time.

Conference banquet:

When: Wednesday, 2nd October, 18:30 – 22:30

Where: Zoo Restaurant Berlin (access via Zoo entrance “Elephant Gate”,
Budapester Str. 34, 10787 Berlin)

We will close the conference with a banquet in the restaurant of the Zoological Garden Berlin. The banquet includes a welcome drink, a delicious buffet and beverages (until 21:00; after 21:00, beverages must be paid by participants themselves). There will also be great live music by the **WWF band "PandaZ"**!

Participation in the banquet is not included in the conference fee, but had to be booked during online registration. A small number of tickets is still available at the registration/information desk (**50 Euro for a regular ticket, 35 Euro for a student ticket**).



Zoo entrance “Elephant Gate” (© Zoo Berlin) and Zoo Restaurant (© Schuler Gastronomie)

How to get to the conference banquet:

Option 1:

- from “**Königin-Luise-Platz/Botanischer Garten**” take the **bus 101** (direction “Turmstr.”) to “**Breitenbachplatz**”
- from there, take the **U-Bahn U3** (direction “Warschauer Str.”) to “**Wittenbergplatz**” and walk about 9 minutes

Option 2:

- from “**Königin-Luise-Platz/Botanischer Garten**” take the **bus X83** (direction “Lichtenrade”) to “**Rathaus Steglitz**”
- from there, take the **U-Bahn U9** (direction “Osloer Str.”) to “**Kurfürstendamm**” and walk about 10 minutes

Option 3:

- from “**Königin-Luise-Platz/Botanischer Garten**” take the **bus X83** (direction “Königin-Luise-Str./Clayallee”) to “**Dahlem Dorf**”
- from there, take the **U-Bahn U3** (direction “Warschauer Str.”) to “**Wittenbergplatz**” and walk about 9 minutes

Each of the three options takes approx. 30 minutes.

You can also check the website of the Berlin public transport company (www.bvg.de) for directions.

Post-conference excursions:

Participation in the post-conference excursions is not included in the conference fee, but had to be booked during online registration. Remaining tickets can be purchased at the registration desk, subject to availability.

Excursion 1: Tierpark Berlin

When: Thursday, 3rd October, 11:00 – 12:30

Meeting point: 10:45 at the Tierpark entrance “Bärenschau fenster” (directly at the underground station “U Tierpark”)

Enjoy a guided tour in Berlin’s large animal park “Tierpark Berlin”. Accompanied by your personal Tierpark guide, you will experience an exciting tour through the species-rich world of the park with its more than 9000 animals. You will also learn about species conservation and breeding programmes of the Tierpark.

Tickets for the excursion cost **10 Euro per person** and include entrance to the Tierpark and a 90 minutes guided tour. After the tour you are free to continue your walk in the park on your own. Food and beverages are not included, but can be bought in one of the restaurants in the park.

How to get to the Tierpark:

We recommend that you use public transport to get to the Tierpark. If you start your journey at the **Botanical Museum/bus station “Königin-Luise-Platz/Botanischer Garten”**, we recommend the following connection:

- take the **bus X83** (direction “Lichtenrade”) to “**Rathaus Steglitz**”
- from there, take the **S-Bahn S1** (direction “Frohnau”) to “**Schöneberg**”
- from there, take the **S-Bahn S42** to “**Frankfurter Allee**”
- from there, take the **U-Bahn U5** (direction “Hellersdorf” or “Hönow”) to “**Tierpark**”

The whole journey takes approx. 60 minutes. You can also check the website of the Berlin public transport company (www.bvg.de) for directions.

Excursion 2: Horses in Liebenthal and cranes in Linum

When: Thursday, 3rd October, 10:30 - approx. 20:30

Meeting point: 10:20 at the Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW), Alfred-Kowalke-Str. 17, 10315 Berlin. The bus will pick you up at 10:30 in front of the institute.

This excursion will take you about 50 kilometers away from Berlin, to Brandenburg’s nature. The first stop will be a horse enclosure in Liebenthal. Go for a walk in the beautiful nature and observe Przewalski’s horses, old breeds of domestic animals as well as the Liebenthal wild horse, a breed that lives exclusively in Liebenthal in a natural herd structure. The second part will take you to the Linum pond areas, one of the largest resting grounds for wild birds in Central Europe, where tens of thousands of cranes and wild geese rest every autumn. You will have the opportunity to observe these fascinating birds. In the evening, the bus will bring you back to Berlin.

Tickets for the excursion cost **60 Euro per person** and include a bus transfer from Berlin and back, guided tours in Liebenthal and Linum, cake, snacks and beverages.

Note: Please bring weatherproof clothing and sturdy shoes.

How to get to the meeting point:

We recommend that you use public transport to get to the Leibniz-IZW. If you start your journey at the **Botanical Museum/bus station “Königin-Luise-Platz/Botanischer Garten”**, you have two options:

Option 1:

- take the **bus X83** (direction “Lichtenrade”) to “**Rathaus Steglitz**”
- from there, take the **S-Bahn S1** (direction “Frohnau”) to “**Schöneberg**”

- from there, take the **S-Bahn S42** to “**Frankfurter Allee**”
- from there, take the **U-Bahn U5** (direction “Hellersdorf” or “Hönow”) to “**U Friedrichsfelde**” and walk about 10 minutes

Option 2:

- from “**Schöneberg**”, take the **S-Bahn S42** to “**Ostkreuz**”
- from there, take the **bus 194** (direction “Marzahn”) to “**Am Tierpark/A.-Kowalke-Str.**” and walk about 2 minutes

Both options take approx. 60 minutes. You can also check the website of the Berlin public transport company (www.bvg.de) for directions.

Accompanying persons are very welcome to participate in all social events provided that a place has been booked for them by a conference participant.

ORGANISATION AND CONTACT

Wildlife Research and Conservation 2019 is organised by the Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW) in cooperation with the European Association of Zoos and Aquaria (EAZA) and WWF Germany.

Conference organisation team

Sarah Benhaiem, Anne Berger, Steffen Berthold, Mike Bruford, Francesca Cagnacci, Justin Calabrese, Michael Cant, Alexandre Courtiol, Marion East, John Fa, Damien Farine, Jörns Fickel, Luca Flauaus, Olivier Gimenez, Michaela Hau, Heribert Hofer, Oliver Höner, Nina Immel, Katarina Jewgenow, Arnulf Köhncke, Stephanie Kramer-Schadt, Sven Kühlmann, Conny Landgraf, Stefanie Lenz, Gabriele Liebich, Lucile Marescot, Karin Müller, Zjef Pereboom, Josepha Prügel, Viktoriia Radchuk, Kathleen Röllig, Thomas Sanne, Steven Seet, Lysanne Snijders, Paul Sobotzik, Tanja Straka, Barbara Taborsky, Wolfgang Tauche, Christian Voigt, Andreas Wilting, Stefan Ziegler, Melanie Zimminga

Contact

Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW)

Contacts: Josepha Prügel, Stefanie Lenz, Steven Seet

Alfred-Kowalke-Straße 17

10315 Berlin, Germany

Phone: +49 (0)30 5168 127
Fax: +49 (0)30 5126 104
Mobile: +49 (0)177 8572 673
Email: symposium@izw-berlin.de
Web: www.leibniz-izw.de

FURTHER EVENTS

Conference:

6th International Berlin Bat Meeting: The human perspective on bats
23rd – 25th March 2020

Venue: Langenbeck-Virchow-Haus, Luisenstraße 58/59, 10117 Berlin

You can find further information on our website:

<http://www.izw-berlin.de/berlin-bat-meeting.html>

Contact:

Christian C. Voigt

Phone: +49 (0)30 5168 517

Email: 6thIBBM2020@izw-berlin.de

Workshops:

Acoustical monitoring of bats

24th – 25th October 2019

Speakers: Volker Runkel (ecoObs GmbH), Ulrich Marckmann (NycNoc GmbH)

Bat conservation and artificial light

8th November 2019

Speakers: Christian Voigt (Leibniz-IZW), Franz Hölker (Leibniz-IGB)

Dissections and taking samples of wildlife

23rd November 2019

Speakers: Claudia A. Szentiks (Leibniz-IZW), Gudrun Wibbelt (Leibniz-IZW)

Bat conservation and construction of wind turbines

2nd – 3rd December 2019

Speakers: Markus Melber (BVF e.V.), Lothar Bach (Büro Bach Freilandforschung), Guido Gerding (Echolot), Leo Grosche (Stiftung FLEDERMAUS), Andreas Lukas (Baumann Rechtsanwälte PartG mbB), Mona Strack (Institut für Tierökologie und Naturbildung)

ProBat: Use and recent news

27th – 28th February 2020

Speakers: Oliver Behr (OekoFor GbR), Hendrik Reers (OekoFor GbR), Sören Greule (OekoFor GbR)

Bats in the veterinary practice

21st – 22nd March 2020

Speakers: Gudrun Wibbelt (Leibniz-IZW), Jean Meyer (Tierarztpraxis Völkendorf), Patrizia Wunderlin (Stiftung Fledermausschutz)

All workshops are in German language and take place at the Leibniz Institute for Zoo and Wildlife research, Alfred-Kowalke-Straße 17, 10315 Berlin.

You can find more information to these and further workshops on our website: <http://www.izw-berlin.de/leibniz-izw-academy.html>.

Contact:

Anne Seltmann

Phone: +49 (0) 30 5168 326

Email: akademie@izw-berlin.de



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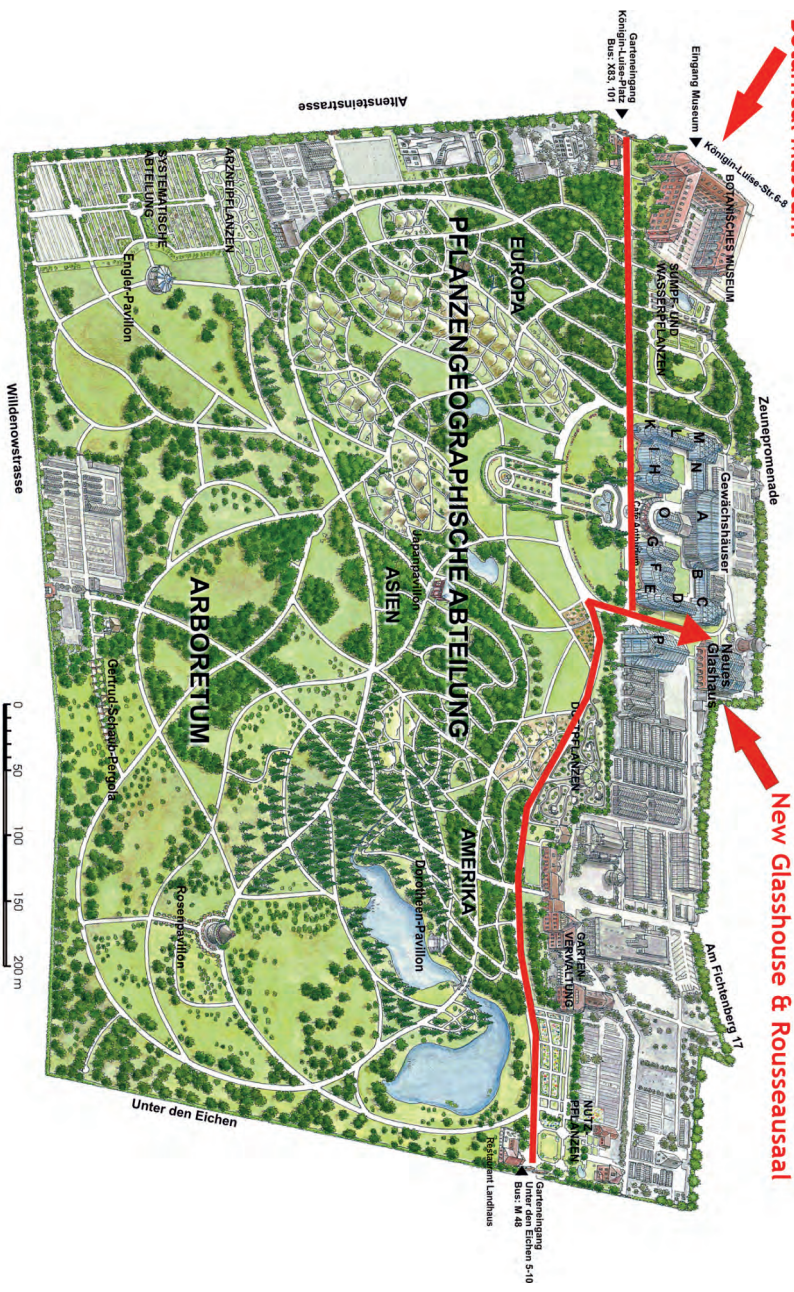
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