



# WRC2023

9th - 11th Sept 2023

BERLIN, GERMANY

jointly  
organised by



Leibniz Institute for Zoo  
and Wildlife Research  
AN DER UNIVERSITÄT BERLIN



## Programme



**EUROPEAN UNION**  
European Regional Development Fund

This project is co-financed by the European Regional Development Fund (ERDF) funded as part of the Union's response to the COVID-19 pandemic.

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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 cordially welcome you to Wildlife Research and Conservation 2023 (WRC2023)!

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 30 countries at WRC2023!

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 WRC2023 a sustainable and ecologically friendly event. For this reason, we are not offering any give-aways and have included a ticket for public transport in the conference ticket. We have chosen a completely vegetarian and vegan conference catering that is provided by a certified sustainable event caterer. The scientific programme booklet was printed on recycled paper.

We try to produce as little waste as possible at the conference and take care that waste is separated. We kindly ask you to do the same. Waste bins marked accordingly are available in the conference venue.

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.

*Heribert Hofer, Stefanie Lenz, Evangelia Layla Mpinou, Sylvia Ortmann, Josepha Prügel, Steven Seet, Rahel Sollmann, Bettina Wachter, Andreas Wilting*



## ACKNOWLEDGEMENTS

We owe our sincere thanks to the following supporters of this conference:

### **Funding organisation:**

This project is co-financed by the European Regional Development Fund (ERDF) funded as part of the Union's response to the COVID-19 pandemic.



**EUROPEAN UNION**  
European Regional Development Fund

### **Conference venue:**

Henry Ford Building of Freie Universität Berlin



### **Caterer:**

FLORIS Catering GmbH



**Sponsors:**



**Hosts:**



## CONFERENCE VENUE

Henry Ford Building (*Henry-Ford-Bau*)  
Freie Universität Berlin  
Garystraße 35  
14195 Berlin-Dahlem  
Germany

Web: [www.fu-berlin.de/sites/hfb](http://www.fu-berlin.de/sites/hfb)



Henry Ford Building. © Freie Universität Berlin (left), Reinhard Goerner (right)

### How to get to the conference venue:

- Option 1: from subway station “**U Freie Universität (Thielplatz)**” (accessible by **subway line U3**) walk about 7 minutes
- Option 2: from bus station “**Bitscher Str.**” (accessible by **bus 110**) walk about 7 minutes
- Option 3: from subway station “**U Oskar-Helene-Heim**” (accessible by **subway line U3** or **bus X10**) walk about 9 minutes
- Option 4: from bus station “**Ehrenbergstr.**” (accessible by **bus M11**) walk about 12 minutes
- Option 5: from urban railway station “**S Lichterfelde West**” (accessible by **urban railway line S1**) walk about 18 minutes

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

## **PUBLIC TRANSPORT IN BERLIN**

Public transport in Berlin and the suburban area is organised in three different fare zones, A for the centre, B for the surrounding inner-city area and C for the suburban area where the Berlin Brandenburg airport BER is located.

The **conference ticket includes free public transport in all three tariff zones A, B and C from 8<sup>th</sup> to 11<sup>th</sup> September**. All participants who have registered for WRC2023 will receive their conference name badge available for download and printing before the conference, so you are ready to use all public transport (bus, subway, urban railway, regional train, tram and ferry) upon arrival. Please be prepared to present your **conference name badge and your identity card or passport** during ticket inspection in public transport.

## **GENERAL INFORMATION**

### **Registration and information desk:**

**Important: Please check in at the registration desk each day with your conference ticket/booking confirmation to scan your barcode.**

The opening hours of the registration desk are:

Saturday, 9<sup>th</sup> September: 08:00 – 13:00 and 14:00 – 17:30

Sunday, 10<sup>th</sup> September: 08:00 – 13:00 and 14:00 – 16:00

Monday, 11<sup>th</sup> September: 08:15 – 11:30

The staff at the registration desk will be happy to help you with any questions and problems regarding the conference programme. The registration desk is located by the cloakroom on the ground floor of the Henry Ford Building.

### **Catering at the conference**

The catering at the conference will be entirely vegetarian with vegan options. This includes the coffee and lunch breaks, the poster pasta evening as well as the conference banquet.

### **Oral and science slam presentations:**

Oral presentations and science slam 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 MacBook, please contact us in advance. In case you are using special equipment for your science slam presentation, please also 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. Posters have to be removed by 14:00 on Monday, 11<sup>th</sup> September. All posters not removed by this time will be disposed of.

### **Poster sessions:**

You will have an excellent opportunity to present your poster in person during the poster pasta evening on Saturday, 9<sup>th</sup> September, 19:00 – 21:00. Please be present at your poster during this session.

### **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 Monday, 11<sup>th</sup> September, 12:00. Poster prizes will be awarded to the presenting authors of the three best posters during the closing ceremony on Monday at 17:15 in the main lecture hall.

### **Wireless network access in the conference venue:**

Network: *Conference*

Key: *6yn2pudb*



Connect to the wireless network with the SSID "conference" and open an arbitrary web page. Instead of that page a form will appear, in which you can enter the 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 wireless network.

Attention: Connections to the wireless network "conference" are not encrypted and can be eavesdropped. To ensure confidentiality and encryption, please use appropriate protocols (https, ssh, VPN).

### **Abstracts:**

Abstracts of all scientific contributions to the conference are published in the Wildlife Research and Conservation 2023 conference proceedings by the Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW). The proceedings are available for download:

Link: <https://www.izw-berlin.de/en/wrc-conference-proceedings.html>

You can also download the proceedings with your mobile phone by scanning the following QR code:



### **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.

## **SATELLITE WORKSHOPS ON FRIDAY, 8<sup>TH</sup> SEPTEMBER**

Apart from the main conference programme, two hands-on workshops will be given on Friday, 8<sup>th</sup> September 2023 at the Leibniz-Institute for Zoo and Wildlife Research (Leibniz-IZW):

- **Workshop on structural equation modeling (SEMs), 13:00 – 17:00**  
held by Viktoriia Radchuk, Aimara Planillo
- **Bioinformatics workshop: Genome analysis methods useful for species conservation studies, 13:00 – 18:00**  
held by Diego de Panis, Maximilian Driller, Camila Mazzoni, Larissa Souza Arantes

Please note that participation in the workshops is only possible for participants who have registered for these workshops in advance.

### **Workshop venue:**

Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW)  
Alfred-Kowalke-Str. 17  
10315 Berlin-Friedrichsfelde

### **How to get to the workshop venue:**

- Option 1: from subway station “**U Friedrichsfelde**” (accessible by **subway line U5**) walk about 6 minutes
- Option 2: from bus/tram station “**Alfred-Kowalke-Str.**” (accessible by **tram M17, 27, 37, bus 194**) walk about 2 minutes

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## PROGRAMME OVERVIEW

	<b>Workshop day</b> <i>Workshop venue: Leibniz Institute for Zoo and Wildlife Research (IZW), Alfred-Kowalke-Str. 17, 10315 Berlin</i>		<b>Conference</b> <i>Conference venue: Henry Ford Building, Garystr. 35, 14195 Berlin</i>
Time	Friday, 8 <sup>th</sup> September 2023		Saturday, 9 <sup>th</sup> September 2023
08:00			<b>Registration</b>
08:30			
09:00			<b>Opening session (Main lecture hall)</b>
09:30			<b>Plenary talk: Marlène Gamelon</b> <i>(Main lecture hall)</i>
10:00			<b>Population responses to disturbances</b> <i>(Main lecture hall)</i>
10:30			<b>Coffee break (Foyer)</b>
11:00			<b>Population responses to disturbances</b> <i>(Main lecture hall)</i>
11:30			
12:00			
12:30			
13:00			<b>Lunch (Foyer)</b>
13:30			
14:00			<b>Plenary talk: Theresa Götz</b> <i>(Main lecture hall)</i>
14:30	<b>Bioinformatics workshop: Genome analysis methods useful for species conservation studies</b> <i>(IZW lecture hall)</i>	<b>Workshop on structural equation modeling</b> <i>(IZW seminar room)</i>	<b>Use of artificial intelligence in conservation research</b> <i>(Main lecture hall)</i>
15:00			<b>Coffee break (Foyer)</b>
15:30			<b>Open session</b> <i>(Main lecture hall)</i>
16:00			<b>Short break</b>
16:30			<b>Science slam</b> <i>(Main lecture hall)</i>
17:00			
17:30			
18:00			<b>Poster pasta evening</b> <i>(Foyer)</i>
18:30			
19:00			
19:30			
20:00			

Conference		
Conference venue: Henry Ford Building, Garystr. 35, 14195 Berlin		
Sunday, 10 <sup>th</sup> September 2023	Monday, 11 <sup>th</sup> September 2023	Time
Registration	Registration	08:00
		08:30
Plenary talk: Mirte Bosse (Main lecture hall)	Plenary talk: José A. Godoy (Main lecture hall)	09:00
		09:30
Population sustainability Session co-organized by EAZA and IZW	Conservation genetics and genomics of wildlife (Main lecture hall)	10:00
		10:30
Coffee break (Foyer)	Coffee break (Foyer)	11:00
Population sustainability Session co-organized by EAZA and IZW (Main lecture hall)	Conservation genetics and genomics of wildlife (Main lecture hall)	11:30
		12:00
		12:30
		13:00
Lunch (Foyer)	Lunch (Foyer)	13:30
Plenary talk: Maneesha Deckha (Main lecture hall)	Plenary talk: Jenny Anne Glikman (Main lecture hall)	14:00
		14:30
Ethical aspects in conservation research (Main lecture hall)	Human wildlife interactions Session co-organized by WWF and IZW (Main lecture hall)	15:00
		15:30
Coffee break (Foyer)	Short break	16:00
Ethical aspects in conservation research (Main lecture hall)	Human wildlife interactions Session co-organized by WWF and IZW (Main lecture hall)	16:30
		17:00
Open session (Main lecture hall)	Closing ceremony (Main lecture hall)	17:30
Departure to banquet		18:00
		18:30
Conference banquet (Banquet venue: Eierschale Dahlem, Podbielskiallee 50, 14195 Berlin)		19:00
		19:30
		20:00





# Zoo Leipzig - beyond the zoo

## Global conservation and research efforts to protect and restore biodiversity

Zoo Leipzig is widely known for its ambitious transformation over the last 20+ years to become the “zoo of the future”, where modern enclosures combine high welfare standards with environmental education through an attractive presentation of wild animals and interactive learning-stations.

But the zoo of the future is much more: Zoo Leipzig is engaged with around 20 wildlife conservation and eco-system restoration projects around the world and collaborates with many research institutions to support the science behind the conservation.

The zoo's global conservation efforts are focusing on a variety of species: from Common Hamsters in Germany, and some of the most endangered primates in Vietnam, over large carnivores in Ethiopia, to Darwin's Frogs in Chile.

Furthermore, Zoo Leipzig uniquely combines its eco-management system (Zoo Leipzig is the only EMAS-certified zoo in Germany) and carbon-emission offsetting efforts with wildlife conservation projects through, e.g. reforestation programmes on Borneo, where natural forests on former palm oil plantations are being restored, creating a corridor between two of the most important wildlife sanctuaries in Sabah.





### FURTHER INFORMATION

on Zoo Leipzig's local and global conservation efforts:  
[zoo-leipzig.de/en/conservation/species-conservation](http://zoo-leipzig.de/en/conservation/species-conservation)

But no conservation programme can be operated without being supported by scientific evidence. Therefore, Zoo Leipzig is engaged in many research projects in the fields of veterinary medicine, animal behaviour, biodiversity research and evolution – both at the zoo itself, as well as in its global conservation projects.

Some examples for the long-term research partnerships are the close collaboration with the University of Leipzig, with the Max-Planck-Institute of Evolutionary Anthropology at the great ape exhibit "Pongoland", as well as the conservation-focused collaborations with Oxford University, with the German Primate Center and with the Leibniz Institute for Zoo and Wildlife Research.

### Contact:

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Conservation and  
Eco-Management Officer

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Phone: +49 341 5933 515



**On nature's trail.**

## SCIENTIFIC PROGRAMME

SATURDAY, 9 <sup>th</sup> SEPTEMBER		
08:00 - 13.00	<b>REGISTRATION &amp;</b>	
14.00 - 17.30	<b>SUBMISSION OF POWERPOINT PRESENTATIONS</b> (Registration desk, Henry Ford Building)	
<b>MOUNTING OF POSTERS</b> (Foyer, Henry Ford Building)		
08:45	<b>OPENING SESSION</b> (Main lecture hall, Henry Ford Building)	
<b>POPULATION RESPONSES TO DISTURBANCES</b> <b>Chair: Sarah Benhaïem , Viktoriia Radchuk</b> Venue: Main lecture hall, Henry Ford Building		
09:00	<b>Marlène Gamelon</b>	<b>Plenary talk:</b> Can natural populations be resilient to environmental changes and harvesting?
10:00	Robert Guldemon	Restoring and maintaining demographic resilience of African elephant populations across southern Africa
10:15	Julie Louvrier	Nonlinear relations between climate, phenotypic traits and demographic rates can stabilize populations facing global warming
10:30 - 11:00	<b>COFFEE BREAK</b> (Foyer, Henry Ford Building)	
11:00	Sinah Drenske	On the road to self-sustainability: Population viability of reintroduced northern bald ibises
11:15	Laura Bartra	Understanding community-dynamic impacts of extreme climatic events from multi-species monitoring and population modelling: a high-Arctic study case
11:30	Phoebe Griffith	Headstarts and Setbacks: Understanding the impacts of both anthropogenic threats and conservation action on a managed population of the critically endangered gharial
11:45	Marius Grabow	Combining capture-recapture, multievent models, and reverse-GPS tracking to infer pathogen-induced effects on population dynamics and



		movement behaviour
12:00	Ragnhild Bjørkås	Environmental drivers of population dynamics in the Serengeti bird community
12:15	Aimara Planillo	The return of the wolf: Understanding and predicting German wolf population spread and viability
12:30 - 13:45 <b>LUNCH BREAK</b> (Foyer, Henry Ford Building)		
<b>USE OF ARTIFICIAL INTELLIGENCE (AI) IN CONSERVATION RESEARCH</b> <b>Chair: Anne Berger, Jörg Melzheimer</b> <b>Venue: Main lecture hall, Henry Ford Building</b>		
13:45	<b>Theresa Götz</b>	<b>Plenary talk:</b> How can the technology behind ChatGpt help protect the environment?
14:45	Wanja Rast	Using machine learning on acceleration data to classify the behaviour of African white-backed vultures ( <i>Gyps africanus</i> )
15:00	Amy MacLeod	Monitoring Galapagos marine iguanas using drones, citizen science, and machine learning
15:15	Maik Henrich	First steps towards a semi-automated workflow for the population density estimation of un-marked species from camera trapping data
15:30	Josafat-Mattias Burmeister	Towards digital twins of wildlife habitats using 3D point clouds and deep learning
15:45 - 16:15 <b>COFFEE BREAK</b> (Foyer, Henry Ford Building)		
<b>OPEN SESSION A</b> <b>Other topics in the field of conservation, behaviour, physiology &amp; ecology</b> <b>Venue: Main lecture hall, Henry Ford Building</b>		
16:15	Nika Knez	Is a fat European bison healthier? Influence of nutritional resources on a refugee species performance
16:30	Jacqueline Bishop	Risks and rewards for Cape Town's caracals: conservation challenges for urban-adapted apex predators

16:45 -17:00 <b>SHORT BREAK</b>		
<b>WILDLIFE SCIENCE SLAM</b> (Main lecture hall)		
<i>The order of the presentations during the Wildlife Science Slam will be chosen by lot at the beginning of the session. The audience votes for the best slam.</i>		
17:00 - 19:00		
	Karolína Brandlová	Western Derby eland as a model for One plan approach in antelope conservation
	Supriyo Dalui	Unveiling the evolutionary secrets of red pandas: Genetic insights for conservation in the Eastern Himalayas
	Sónia de Jesus Fontes	Coagulation parameters in healthy Thai and European Asian elephant ( <i>Elephas maximus</i> ) populations – reference values and factor VII gene investigation
	Trishna Dutta	An objective approach to select surrogate species for connectivity conservation
	Catherine Hauw	Assessing lead exposure in two captive and wild large carnivores (Cheetahs, <i>Acinonyx jubatus</i> and Leopards, <i>Panthera pardus</i> ) in Namibia
	Shay Hicks	Zoo enclosure mapping and Sumatran tigers' use of space: pacing at the edges
	Zuzana Holubova	Endangered Korrigum: Movement patterns and conservation implications
	Louis Lazure	The brain behind the mask: Problem-solving in wild raccoons
	Robert Mitchell	Coyote family activity in a questionable landscape of fear
19:00 - 21:00 <b>POSTER PASTA EVENING</b> (Foyer, Henry Ford Building)		

SUNDAY, 10 <sup>th</sup> SEPTEMBER 2023		
08:00 - 13:00	REGISTRATION & SUBMISSION OF	
14:00 - 16:00	POWERPOINT PRESENTATIONS (Registration desk, Henry Ford Building)	
POPULATION SUSTAINABILITY Chair: Alexandre Courtiol, Zjef Pereboom Venue: Main lecture hall, Henry Ford Building		
09:00	Mirte Bosse	Plenary talk: Decoding the past to safeguard the future
10:00	Karolína Brandlová	Western Derby eland as a model for One plan approach in antelope conservation
10:15	Jennifer Zahmel	Potential impact of assisted reproductive technologies on conservation management of unsustainable feline ex situ populations
10:30 - 11:00 COFFEE BREAK (Foyer, Henry Ford Building)		
11:00	Marcus Clauss	Do we get better and make things worse? Managing a taxon in zoos on the individual and the population level, using the giraffe ( <i>Giraffa camelopardalis</i> ) as an example
11:20	Nilofer Begum	The lion-tailed macaque. More than a century in zoos – Potential for sustainability?
11:40	Philippe Helsen	Can we still turn the tide? The use of historic records and directed genetic screenings to improve current cinereous vulture conservation efforts
12:00	Samuel Speak	Conservation genomics to quantify the genetic load of threatened species in zoos
12:30 - 13:30 LUNCH BREAK (Foyer, Henry Ford Building)		

<b>ETHICAL ASPECTS IN CONSERVATION RESEARCH</b> <b>Chair: Thomas Hildebrandt, Susanne Holtze</b> Venue: Main lecture hall, Henry Ford Building		
13:30	<b>Maneesha Deckha</b>	<b>Plenary talk:</b> Assisted reproduction to avoid species extinction: when is it ethical for individual animals?
14:30	Sabrina Streif	Killing me softly – Dealing with wildcat hybrids in wildlife management
14:45	Elena Mercugliano	The ethical analysis of human-large carnivores conflicts through stakeholders' representation in media reports
15:00	Marion Schneider	Maximising the conservation value of ex-situ populations – The ex-situ sun bear research prospectus
15:15	Doug Branch	Tech won't save them! A critical investigation into technology and its use of wildlife conservation
15:30 - 16:00 <b>COFFEE BREAK</b> (Foyer, Henry Ford Building)		
16:00	Barbara de Mori	The role of ethical evaluation in conservation and the case study of conservation ARTs
16:30	Pierfrancesco Biasetti	Naturalness and the use of assisted reproduction techniques in conservation

**OPEN SESSION B****Other topics in the field of conservation, behaviour, physiology & ecology**

Venue: Main lecture hall, Henry Ford Building

16:50	An Nguyen	Diversity of mammal and bird communities in different habitats of the coastal southern Annamites, in Viet Nam
17:05	Sandeep Sharma	Blast from the past: A retrospective analysis of centennial landcover change, defaunation, and recolonization in a rewilding landscape in Europe
17:20	Beata Bramorska	Socio-economic variables improve accuracy and change spatial predictions in species distribution models

**CONFERENCE BANQUET**

18:30 - 23:30 (Banquet venue: Eierschale Dahlem, Podbielskiallee 50, 14195 Berlin)

MONDAY, 11 <sup>th</sup> SEPTEMBER 2023		
<b>REGISTRATION &amp; SUBMISSION OF POWERPOINT PRESENTATIONS</b> 08:15 - 11:30 (Registration desk, Henry Ford Building)		
<b>CONSERVATION GENETICS AND GENOMICS OF WILDLIFE</b> <b>Chair: Jörns Fickel, Daniel Förster</b> Venue: Main lecture hall, Henry Ford Building		
9:00	<b>José A. Godoy</b>	<b>Plenary talk:</b> The role of genomics in the conservation success story of the iconic Iberian lynx
10:00	Karin Norén Docent	From inbreeding to genetic rescue and back again – conservation genomics of the Scandinavian Arctic fox
10:15	Emily Humble	Genomic measures of inbreeding and mutation load in critically endangered antelopes inform global reintroductions
10:30	Marc-Alexander Gose	Conservation genomics of two cryptic oceanic dolphins ( <i>Lagenorhynchus albirostris</i> and <i>Lagenorhynchus acutus</i> ) reveal demographic history and contrasting patterns of population structure
10:45 - 11:15 <b>COFFEE BREAK</b> (Foyer, Henry Ford Building)		
11:15	Jo Howard-McCombe	Genetic swamping of the critically endangered Scottish wildcat was recent and accelerated by disease
11:30	Laura Tensen	Effective dispersal and genetic considerations during the range expansion programme of African wild dogs
11:45	Tobias Erik Reiners	Challenges in the genetic management of the severely declining Common hamster, <i>Cricetus cricetus</i> , in Western Europe

12:00	Frank Drygala	Conservation prioritisation through genomic reconstruction of demographic histories applied to two endangered suids in the Malay Archipelago
12:15	Juan Li	Monitoring terrestrial wildlife by combining hybridization capture and metabarcoding data from waterhole environmental DNA
12:30	Supriyo Dalui	Unveiling the evolutionary secrets of red pandas: Genetic insights for conservation in the Eastern Himalayas
12:45 - 13:45 <b>LUNCH BREAK</b> (Foyer, Henry Ford Building)		
<b>HUMAN WILDLIFE INTERACTIONS</b> <b>Chair: Moritz Klose, Bettina Wachter</b> Venue: Main lecture hall, Henry Ford Building		
13:45	<b>Jenny Anne Glikman</b>	<b>Plenary talk:</b> Human-wildlife interactions: conflict and coexistence
14:45	Louis Lazure	Managing conflicts with mammal mesopredators: What works, and the promise of cognitive studies
15:00	Astrid Olejarz	Influx of hikers disturbs wild boar sleep - unexpected effect of COVID-19 lockdowns
15:15	Eva Klebelsberg	Pilot testing of SMART conservation software for human-polar bear conflict monitoring
15:30 - 15:45 <b>SHORT BREAK</b>		
15:45	Thomas Breuer	Why is human-elephant conflict increasing in Central Africa?
16:00	Francis Arimoro	Human-wildlife conflicts in communities surrounding Kainji National Park in North Central, Nigeria

16:15	Teja Curk	Mapping the exposure to poisoning risk across Southern Africa reveals a potential ecological trap for an endangered vulture
16:30	Cameron Radford	Using the spatial system of cheetahs to solve the farmer-cheetah conflict and to manage cheetahs in small reserves
16:45	Vianny Rodel Nguimdo Vouffo	Long-term impacts of conservation interventions on landscape-level hunting dynamics in the African rainforest
17:00	Andrew Tilker	Addressing the Southeast Asian snaring crisis: insights from central Viet Nam
17:15 - 17:30	<b>CLOSING CEREMONY &amp; POSTER AWARDS</b> (Main lecture hall, Henry Ford Building)	



## EUROPABON

EuropaBON will design an EU-wide framework for monitoring biodiversity and ecosystem services.



REST-COAST will provide the tools to restore environmental degradation of rivers and coasts.



These projects receive funding from the European Union's research and innovation programme under Horizon 2020 GA No. 101003553 (EuropaBON) and the European Union's Horizon 2020 Innovation Action GA No. 101037097 (REST-COAST).

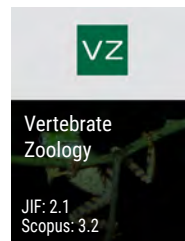
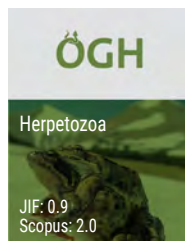
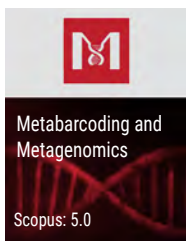
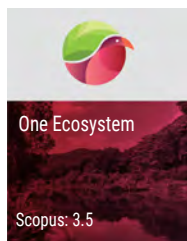
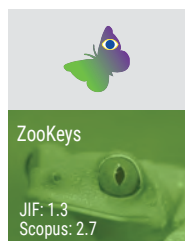
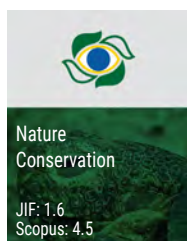
Within both **EuropaBON** and **REST-COAST**, Pensoft contributes with expertise in science communication, dissemination, scholarly publishing and development of digital tools and platforms.



Pensoft's services for projects:  
<https://pensoft.net/services-projects>

## OPEN ACCESS

## Selected journals in Biodiversity and Ecology



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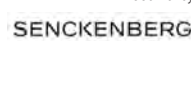
Journal by



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## POSTERS

POPULATION RESPONSES TO DISTURBANCES		
01	Malte Kurreck	Quantifying demographic resilience across animal species
56	Ella White	How do we measure temporal variation in demographic resilience?
USE OF ARTIFICIAL INTELLIGENCE (AI) IN CONSERVATION RESEARCH		
02	Alexander von Canal	Deep learning for behaviour classification of common ravens in Yellowstone National Park
03	David Bonman	Use of 3D accelerometer data and machine learning algorithms for cross-species behavioral detection in tetrapods
04	Mara Vukelić	Estimating the population size of West African giraffe
05	Marie Wittekind	Escape the hamster wheel to screen thousands of camera trapping videos - Using Artificial Intelligence to investigate camera trapping data in a release programme for the highly endangered common hamster
POPULATION SUSTAINABILITY		
06	Lakshminarasimha Ranganathan	A longitudinal insight into the dynamics of Indian zoo populations
07	João Pedro Meireles	Swipe right to match the stripes: Pair compatibility in the okapi ( <i>Okapia johnstoni</i> ) ex situ breeding programme - a look at male aggressive behaviour during breeding introductions
ETHICAL ASPECTS IN CONSERVATION RESEARCH		
08	Marit Kelling	How much do you carry? Impact of tag mass on well-being and movement behaviour of an

insectivorous bat		
09	Frederike Liermann	The influence of deflighting on the welfare of White Storks ( <i>Ciconia ciconia</i> ) evaluated by feather corticosterone and behavioral data
<b>CONSERVATION GENETICS AND GENOMICS OF WILDLIFE</b>		
10	Luísa Marins	Exploring the evolutionary history of the two-toed sloths ( <i>Choloepus</i> ) with genomic data: in search of Amazonian cryptic biodiversity
11	Victor Hugo Muñoz Mora	Fitness consequences and ancestry loss in the Apennine brown bear after a simulated genetic rescue intervention
12	Roya Adavoudi	Detection of grey wolf and golden jackal hybridization with free ranging domestic dogs across Eurasia using SNP markers
13	Nattapong Banterng	Phylogeographic analysis of Sunda pangolin in Thailand based on two mtDNA genes.
14	Toni Safner	Genetic status of two introduced ungulate species in Europe: Aoudad ( <i>Ammotragus lervia</i> ) and European mouflon ( <i>Ovis gmelini musimon</i> )
15	Guilherme Neumann	Conservation measures for endangered livestock populations: A case study in Deutsches Schwarzbuntes Niederungsgrind (DSN)
16	Caroline Büttner	Systematic assessment of wolf-dog-hybridization rates in Europe
17	Lea Jakob	Noninvasive genetic monitoring of reintroduced European Bison in the Carpathian Mountains – a pilot study
18	Lina Martin	Reconstruction of hybrid swarm formation between wildcats and domestic cats in the Upper Rhine Valley (Germany) using an optimized microfluidic SNP panel
19	Siham Rahmatalla	The genetic diversity of Nubian ibex in relation to other ibex species and domesticated goats

20	Caterina Spiezio	Microbiome for tortoises' Conservation: a review with special reference to the Seychelles giant tortoise
21	Aure Kylmänen	Avian biodiversity on a new green university campus
<b>HUMAN WILDLIFE INTERACTIONS</b>		
22	Jacob Ighere	The state and challenges of wildlife conservation in Nigeria
23	Robert Mitchell	Coyote family activity in a questionable landscape of fear
24	Katharina Kasper	Spatiotemporal plasticity of wolf behavior in human-dominated landscapes
25	Sarah Benhaïem	Road mortality and injuries caused by wire snares: two main anthropogenic threats to spotted hyenas in Serengeti National Park, Tanzania
26	Shyam Sharma	Drivers of illegal human activities in the Central Annamites, Viet Nam
<b>OPEN SESSION</b>		
<b>Other topics in the field of conservation, behaviour, physiology &amp; ecology</b>		
27	Umbule Mador	Key drivers of bird and butterfly richness and abundance in urban green spaces in plateau state, Nigeria
28	Radia Boufermes	Partial sequence analysis of pituitary FSH $\beta$ , LH $\beta$ and testicular LHcgr mRNA of desert rodent the Libyan Jird ( <i>Meriones libycus</i> )
29	Franziska Zoelzer	Characterizing the variability and individuality of faecal microbiota in carnivores and herbivores: Implications for individualized microbial profiles in zoo-housed animals
30	Jonas Schweikhard	Analysing diversity and fluctuations in faecal microbiota in the critically endangered Coquerel's Sifaka ( <i>Propithecus coquereli</i> ) and the impact of seasonal dietary changes

31	Iga Kwiatkowska	Comparison of the diet of free-living wolf-dog hybrids and wolves
32	Marina Mohd. Top	Bats roost site preferences in suburban landscape of Universiti Putra Malaysia Serdang Campus, Selangor, Malaysia
33	Roberto Corvino	Estimation of the leopard ( <i>Panthera pardus</i> ) population density in the Nama Karoo, Southern Namibia
34	Claudia Maistrelli	Seasonality in male wild boar ( <i>Sus scrofa</i> ) reproduction: Evaluation of motility and morphology in epididymal spermatozoa
35	Michelle Korn	Habitat use of Leislers' bats ( <i>Nyctalus leisleri</i> ) in relation to wind turbines
36	Jose Bernardo Vindas Picado	Light averse behaviour of urban bats during commuting flights
37	Lilja Fromme	Persisting Müllerian duct structures in male Eurasian otters ( <i>Lutra lutra</i> )
38	Weronika Baranowska	The wolf diet on the edges of the Central European capital
39	Nadine Erath	Wild neighbours in the city: Understanding animal distribution patterns across urban habitat in Freiburg
40	Daniel Lewanzik	Niche differentiation of two high-altitude flying sympatric bats
41	Sinah Drenske	How urban squirrels adapt their activity to humans and predation risk
42	Ann Kathrin Dietzsch	Network for the Identification of Emerging Agents (IDEAnet) – a One Health Approach in Sri Lanka
43	Kinga Stępnia	Interactions between wolf and domesticated dog based on scent marking: experimental study in Kampinos National Park
44	Janam Jai Sehgal	Predicting prey preferences of leopards using spatio-temporal overlap in the Shiwalik foothills, Himalaya

45	Marius Grabow	Combining reverse-GPS tracking (ATLAS) with capture-recapture to infer pathogen-induced effects on movement behaviour and life-history trade-offs
46	Josefa Vergara	Factors determining co-occurrence of red squirrels ( <i>Sciurus vulgaris</i> ) and meso-carnivores in private gardens in Berlin, Germany
47	Iva Tuponja	White blood cell analysis of Antarctic fur seals
48	Caterina Spiezio	First use of thermal camera for the conservation of the Seychelles sheath-tailed bat, an endemic species of the Seychelles islands
49	Jianchao Huo	Maternal stress and the early embryonic microenvironment: morphological and functional properties of bovine oviductal epithelial cells subjected to long-term cortisol stimulation
50	Guadalupe Gómez Baena	Mass spectrometry applied to the conservation of the Iberian lynx ( <i>Lynx pardinus</i> )
51	Catherine Hauw	Assessing lead exposure in two captive and wild large carnivores (Cheetahs, <i>Acinonyx jubatus</i> and Leopards, <i>Panthera pardus</i> ) in Namibia
52	Indira Dayang Widmann MSc	A prickly problem: the under-recorded utilization of the Philippine Porcupine <i>Hystrix pumila</i> and implications for its conservation
53	Zuzana Holubova	Endangered Korrigum: Movement Patterns and Conservation Implications
54	Shay Hicks	Zoo enclosure mapping and Sumatran tigers' use of space: pacing at the edges
55	Sónia de Jesus Fontes	Coagulation parameters in healthy Thai and European Asian elephant ( <i>Elephas maximus</i> ) populations – reference values and factor VII gene investigation

## SOCIAL EVENTS

### **Poster and pasta evening:**

When: Saturday, 9<sup>th</sup> September, 19:00 – 21:00

Where: Conference venue Henry Ford Building, Foyer

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

### **Conference banquet:**

When: Sunday, 10<sup>th</sup> September, 18:30 – 23:30

Where: Eierschale Dahlem, Podbielskiallee 50, 14195 Berlin-Zehlendorf

Enjoy a delicious vegetarian buffet, chat with colleagues in a relaxed atmosphere and dance to great live music of the WWF band “PandaZ” at the conference banquet.

Participation in the banquet is not included in the conference fee, but had to be booked during online registration. The banquet ticket includes live music, a vegetarian buffet and a welcome drink. Additional drinks will be available on a self-pay basis.



Banquet venue Eierschale Dahlem. © Eierschale Dahlem

### **How to get to the conference banquet:**

You can reach the “Eierschale Dahlem” either by **walking approximately 30 minutes** from the conference venue or by taking the **subway line U3** (direction “Warschauer Straße”) from **“U Freie Universität Berlin (Thielplatz)”** to **“U Podbielskiallee”** (approximately 12 minutes).

## CONTACT

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## **FURTHER EVENTS**

### **6<sup>th</sup> Leibniz-IZW PhD Symposium**

When: 13<sup>th</sup> - 14<sup>th</sup> September 2023

Where: Leibniz Institute for Zoo and Wildlife Research,  
Alfred-Kowalke-Straße 17, 10315 Berlin, Germany

Online participation is also possible.

Find further information here:

<https://www.izw-berlin.de/en/6th-leibniz-izw-phd-symposium.html>

### **Workshops organised by the Leibniz-IZW Academy:**

#### **Fledermausschutz und künstliches Licht**

When: 11<sup>th</sup> October 2023

Where: Leibniz Institute for Zoo and Wildlife Research,  
Alfred-Kowalke-Straße 17, 10315 Berlin, Germany

Online participation is also possible.

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

This workshop will be held in German.

#### **Bat conservation and artificial light**

When: 13<sup>th</sup> December 2023

Where: Online

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

You can find more information about these and further workshops on the website of the Leibniz-IZW Academy: [www.leibniz-izw-akademie.com](http://www.leibniz-izw-akademie.com)

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## **Wildlife Research and Conservation 2025**

When: Autumn 2025

Where: Berlin, Germany



### **Event newsletter**

If you would like to receive regular updates about current events of the Leibniz Institute for Zoo and Wildlife Research and the Leibniz-IZW Academy, subscribe to our event newsletter:



<https://www.izw-berlin.de/en/newsletter-en.html>

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