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Pathways Europe 2022: Human Dimensions of Wildlife Conference

*Sharing Landscapes*

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**October 19-21, 2022**

**Wageningen University & Research | Wageningen, The Netherlands**

**[PathwaysEurope.org](https://PathwaysEurope.org)**



## CONTENTS

CONFERENCE ADVISORY BOARD	PAGE 2
WELCOME	PAGE 3
CONFERENCE PLANNING COMMITTEE	PAGE 3
ABOUT OUR COHOSTS	PAGE 4
CHECK IN AND REGISTRATION	PAGE 5
CARBON OFFSET OPTIONS	PAGE 5
ABOUT WAGENINGEN & LOCAL MAP	PAGES 6-8
LOGISTICS	PAGE 9
LOCAL ACTIVITIES	PAGE 10
PLENARY SPEAKERS	PAGES 11-13
SCHEDULE OVERVIEW	PAGE 14-19
WORKSHOP DETAILS	PAGE 20
SYMPOSIUM DETAILS	PAGES 21-29
SESSION DETAILS (DETAILED SCHEDULE)	PAGES 30-35
POSTER SESSION	PAGE 36
AUTHOR AND PRESENTER LIST	PAGE 37-43



## CONFERENCE ADVISORY BOARD

CAMILLA SANDSTRÖM – UMEÅ UNIVERSITY  
EICK VON RUSCHKOWSKI – ALFRED TOEPFER ACADEMY FOR NATURE CONSERVATION  
FRANK SØNDERGAARD JENSEN – UNIVERSITY OF COPENHAGEN  
TASOS HOVARDAS – UNIVERSITY OF CYPRUS  
SILVIO MARCHINI – UNIVERSITY OF SAO PAULO  
JENNY ANNE GLIKMAN – INSTITUTO DE ESTUDIOS SOCIALES AVANZADOS (IESA-CSIC)  
AGNIESZKA OLSZAŃSKA – INSTITUTE OF NATURE CONSERVATION, POLISH ACADEMY OF SCIENCES  
SOFIA NANNI – INSTITUTO DE ECOLOGÍA REGIONAL (UNT/CONICET)  
KETIL SKOGEN – NORWEGIAN INSTITUTE FOR NATURE RESEARCH  
CATHERINE HILL – OXFORD BROOKES UNIVERSITY  
VUKAN LAVADINOVIC – UNIVERSITY OF BELGRADE  
SUSAN BOONMAN-BERSON – BEAR AT WORK, OPEN UNIVERSITY OF THE NETHERLANDS  
TANJA STRAKA – TECHNISCHE UNIVERSITÄT BERLIN

# Pathways Europe 2022



## WELCOME TO PATHWAYS EUROPE 2022 - “SHARING LANDSCAPES”

The theme of the conference is “Sharing Landscapes.” As human pressures and wildlife populations increase in many regions in Europe and around the world, nature reserves are not sufficient for successful conservation. The need to share landscapes between humans and wildlife presents a major societal challenge. This calls for understanding human-wildlife interactions in complex spatial contexts to attune societal land use needs and wildlife habitat needs.

**Why:** Our mission is to increase professionalism and effectiveness in the Human Dimensions of Wildlife Management field. We invite you to join us in this critical wildlife conservation effort.

**About the Conference:** Pathways 2022 is a part of the Pathways: Human Dimensions of Wildlife Conference and Training. Founded by Prof. Michael J. Manfredo and Prof. Jerry Vaske (Colorado State University), the program is designed to address the myriad issues that arise as people and wildlife struggle to coexist in a sustainable and healthy manner. Pathways Europe 2022 marks the 12th iteration of the Pathways conference over the last 14 years.

## Conference Planning Committee

### Conference Co-Chairs



**Michael J. Manfredo**

Professor & Department Head  
Human Dimensions  
of Natural Resources,  
Colorado State University



**Maarten Jacobs**

Assistant Professor  
Cultural Geography Group  
Wageningen University &  
Research



**Boy van Droffelaar**

Executive Coach  
Foundation of Natural  
Leadership

### Pathways Europe Conference Team



**Paul Layden**

Conference Coordinator  
Human Dimensions  
of Natural Resources,  
Colorado State University



**Emily LeBlanc**

Conference Coordinator  
Human Dimensions  
of Natural Resources,  
Colorado State University



**Maria de Wit**

Local Conference Coordinator  
Research and Education Officer  
Cultural Geography Group,  
Wageningen University & Research



### **CULTURAL GEOGRAPHY GROUP WAGENINGEN UNIVERSITY & RESEARCH**

The Cultural Geography Group (GEO) is a chair group committed to social theory in all its spatial articulations. It aims to advance critical-constructive scholarship through exploring the ecological and social challenges facing all life on earth.

Researching space, place and culture, engaging with current, historic and future dynamics of societies globally, the group pays special attention to questions of inequality, exclusion, mobility, and plurality along with deploying critical tourism studies to all aspects of social and environmental sciences, unravelling relational complexities in wilderness to urban settings. Thereby, the group translates knowledge into practical action in four closely related fields of application. These are: health & care, tourism, nature, and landscape.

The chair group offers courses to be attended by students, graduates, post-graduates, and professionals. These courses contribute to B.Sc. landscape architecture and spatial planning, M.Sc. landscape architecture and planning, B.Sc. tourism, M.Sc. tourism, society, and environment and Ph.D. study in cultural geography.



### **DEPARTMENT OF HUMAN DIMENSIONS OF NATURAL RESOURCES COLORADO STATE UNIVERSITY**

The Department of Human Dimensions of Natural Resources (HDNR) at Colorado State University is well positioned to meet complex challenges of natural resource management with a growing global population. We do this through understanding and attending to the needs and values of humans, human society and culture as they relate to the conservation and enjoyment of the natural environment. It is HDNR's mission to empower people to explore and sustain their world. With HDNR's belief in integrity, impact, diversity, innovation, sustainability and well-being, the vision of the department to re-imagine learning and discovery to benefit both people and the natural world. The department offers an M.S. and Ph.D. in human dimensions of natural resources, an M.S. in tourism management, and an M.S. in conservation leadership; as well as graduate certificates in adventure tourism, communications for conservation, agritourism management, and ski area management. The department is one of seven programs in the U.S. that offers a comprehensive bachelors, masters, and doctoral program.

## CHECK-IN AND REGISTRATION

Upon arrival in Wageningen, check in at your hotel for accommodations (see the website for hotel recommendations). On the day of the conference, proceed to the Pathways Europe Registration Desk at the Aurora Building on the Wageningen University campus to collect your conference materials and nametag:

**WEDNESDAY:** 8:30 A.M. - 5:00 P.M.

**THURSDAY:** 8:30 A.M. - 5:00 P.M.

**FRIDAY:** 8:30 A.M. - 5:00 P.M.

**IT IS REQUIRED THAT YOU CHECK IN PRIOR TO ATTENDING ANY CONFERENCE SESSIONS.  
PLEASE WEAR YOUR NAME BADGE THROUGHOUT THE CONFERENCE.**

## WIFI

To get WiFi on the Wageningen University campus during the Pathways Conference, text “Pathways” to +31 63 577 7876. You will immediately get a return text with login information for the EDUroam wireless network. This login information can be used on all of your devices. You can also use the following QR codes:

NL:



EN:



## CARBON OFFSET OPTION

Trees, Water & People

**Price: 10 USD (9.78 EUR) / 1 Ton of CO2**

The Trees, Water & People mission is to improve lives by helping communities to protect, conserve, and manage their natural resources. It designs conservation projects throughout Latin America and on U.S. Tribal Lands with one question in mind: How can we improve the environment while creating economic opportunity for local people? The TWP Development Model empowers communities to gain access to resources in a sustainable way. The human stakes around climate vulnerable locations have become critical. TWP offers real solutions and opportunities that change lives and address the roots of migration.

TWP's in-house carbon calculator provides us with an effective way to offset our impacts on our planet while tangibly improving quality of life in some of the world's most challenging places.

To purchase offsets, visit: <https://treeswaterpeople.org/offset>

We recommend attendees arriving from anywhere in North America to consider purchasing offsets of **3 tons** (the equivalent of a round trip direct flight from New York to Europe, plus taxis, meals and hotel stays) to cover their travel. From Europe, we recommend purchasing **1 ton**. Other calculations can be made online.

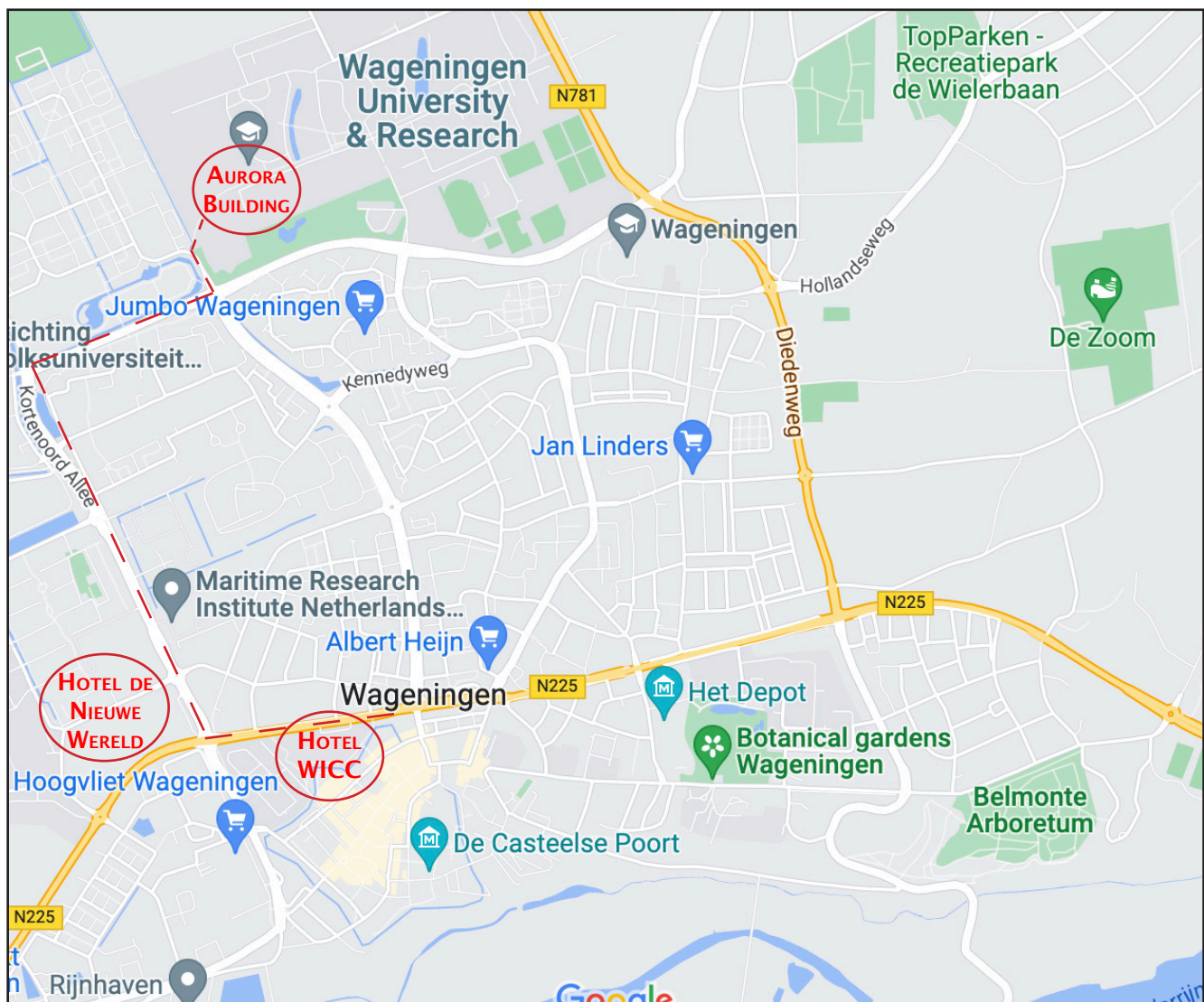


## ABOUT WAGENINGEN, THE NETHERLANDS

Situated in the province of Gelderland on the most northern spur of the Rhine estuary, the town of Wageningen is rich in history. Settled as early as the 9th century and a trading port in the 12th, Wageningen served as a stronghold against the Bishopric of Utrecht and the Duchy of Burgundy. Most famously, Wageningen was the site of the end of World War II in The Netherlands, when the German forces surrendered to the Allies in the Hotel de Wereld.

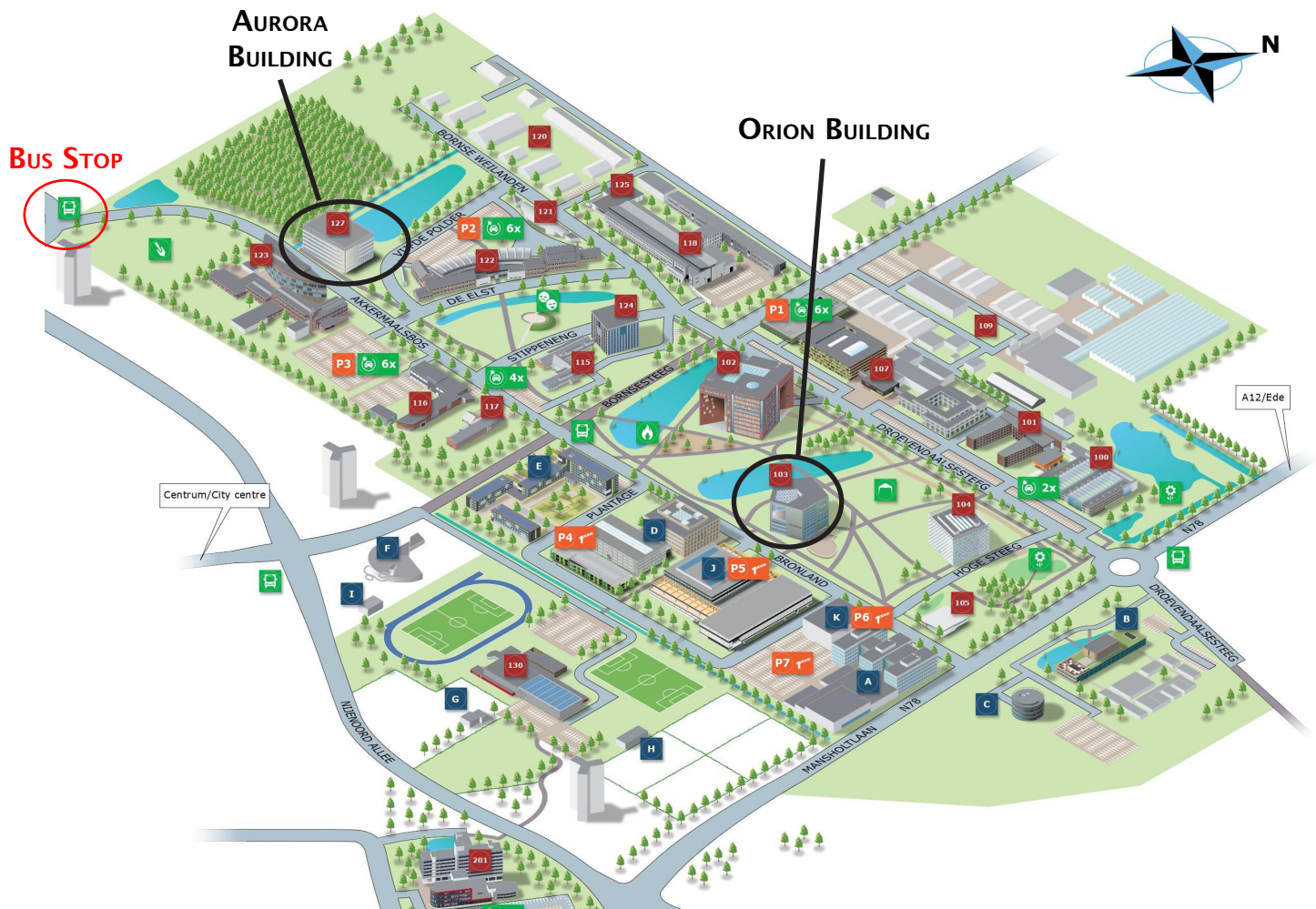
Activities in Wageningen that Pathways attendees can enjoy include bicycle riding along the Rhine, wandering through the Arboretum Belmonte or Arboretum de Dreijen, bird watching in De Blauwe Kamer, or exploring the gallery Het Depot. Easily reachable by train from Amsterdam, Utrecht and the provincial capital of Arnhem, Wageningen offers a serene and historic setting for Pathways' return to Europe.

### LOCAL MAP



— — — — — Bus Line C3 from hotels /town to Wageningen University

# WAGENINGEN UNIVERSITY LAYOUT



## AURORA BUILDING, WAGENINGEN UNIVERSITY

Aurora is the newest building on the Wageningen University & Research campus. The building is named after Aurora, the Roman goddess of the dawn, because of the building design, which is characterized by the abundance of daylight in all areas of use. In addition to a large lecture hall, this flexible and almost energy-neutral building houses research and project spaces.

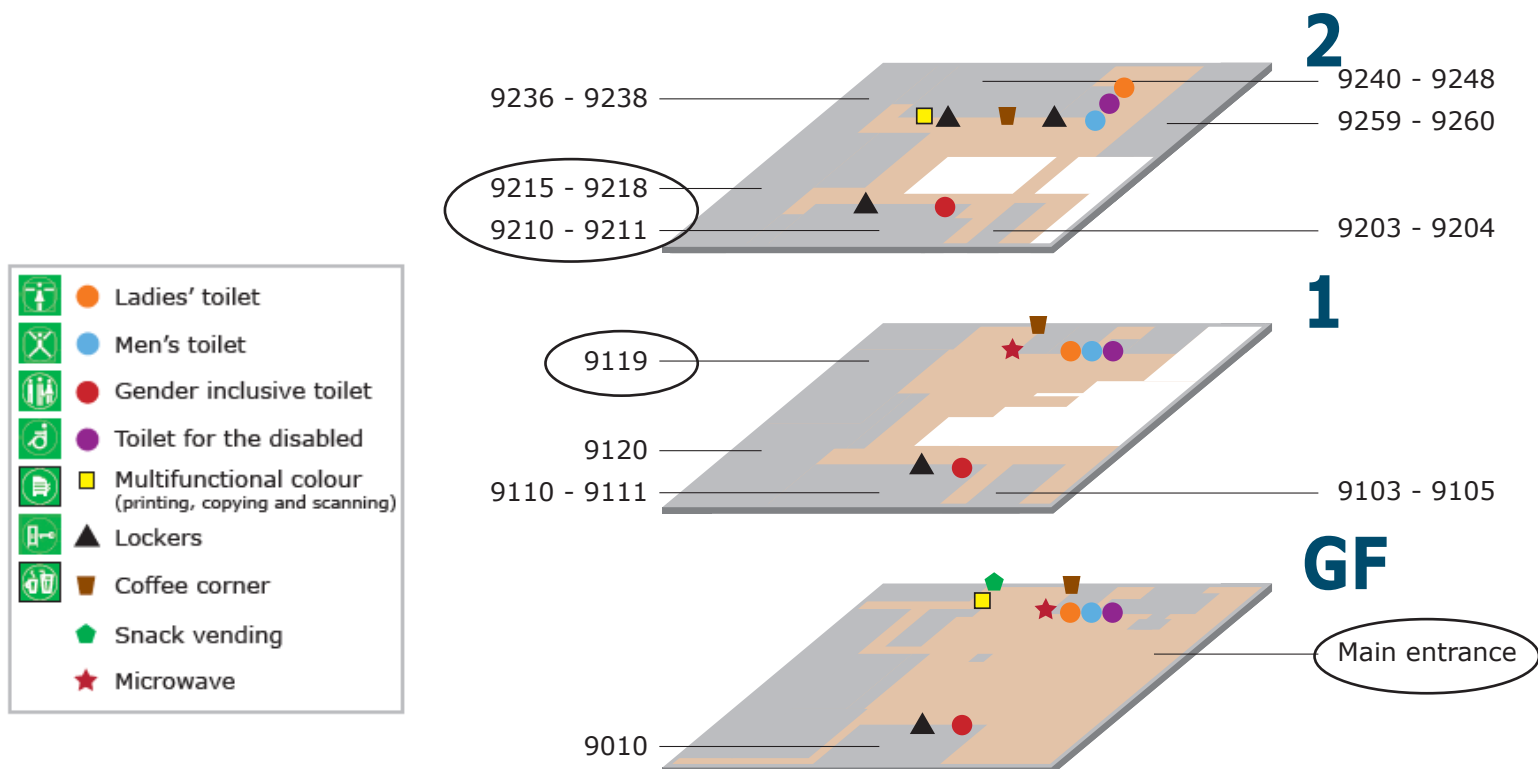
## ADDRESS

Fifth Polder 1, Building 127  
6708 WC Wageningen

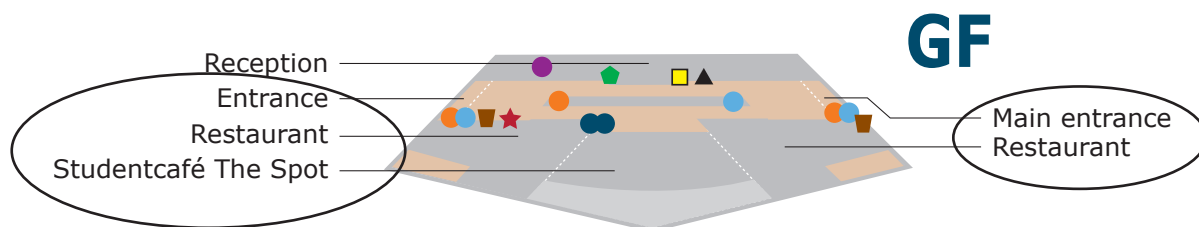
## GETTING THERE

Wageningen Campus is signposted directly at the main access roads of Wageningen. When on campus, follow the P-route to P2. The route is signposted from all large parking lots to the individual buildings on campus. The building number of Aurora is 127. The conference dinner will be held in the Orion building, which is building number 103.

## AURORA: MAIN CONFERENCE BUILDING



## ORION: FRIDAY DINNER LOCATION







### REGISTRATION INCLUSIONS

**Daily registration** includes access to all conference sessions, workshops, and plenary talks. The daily rate also includes all coffee breaks and lunch.

**Full conference registration** includes access to all conference sessions from Wednesday through Friday, all lunches, coffee breaks, and the Friday evening dinner.



### GETTING AROUND WAGENINGEN

Most hotels in Wageningen are about a 30-minute walk from Wageningen University & Research (WUR). If you choose to walk from downtown Wageningen, you can take the main street, Rooseveltweg, north until you reach the WUR campus or you can explore different streets of Wageningen until you reach the WUR. Some hotels also have bike rentals available if you prefer to ride to campus.



If you would rather take public transportation, you will walk to the Wageningen Bus Station in downtown Wageningen. Here, you will catch the C3 bus toward Ede-Wageningen. If you take the C3 bus via University and Research, you will exit at Mondriaanlaan stop. If you take the C3 bus via Hoevestein, you will exit at Dijkgraaf.

Once on campus, finding the Aurora Building will be easy. Follow the P-route to P2 or look for the Aurora Building, which is building 127.



### SOCIALS

Socials are optional and not included in the price of registration for the Pathways Europe 2022 Conference. Instead, we will be having informal gatherings each night with a cash bar for guests to purchase food and beverages.



### EMERGENCIES

If you are unfamiliar with the area and have an emergency, dial 112 for local police, medical, or fire emergency services.

If you have other concerns that do not require emergency services, speak to the staff at your hotel or ask the conference staff any questions you may have.

## LOCAL ACTIVITIES

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### FOOD & DRINK

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Koetshuysch Kaas Wageningen - Cheese Shop  
Stadsbrouwerij Wageningen - Local Craft Brewery  
Wagenings Wijngoed - Local Winery & Vineyard

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### MUSEUMS & OTHER ATTRACTIONS

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De Casteelse Poort - The Castle Gate Museum  
Theater Junushoff - Theater with musical shows

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### WILDLIFE & ARBORETUMS

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Arboretum Belmonte - Gardens  
Beeldengalerij Het Depot - Art Gallery & Gardens  
De Blauwe Kamer - Natural Conservation Area

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### RECOMMENDED FIELD TRIP: DE HOGE VELUWE NATIONAL PARK

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The park is located just a short drive or bus ride from Wageningen and is the perfect nature retreat for Pathways attendees. At the park, you can view incredible wildlife, take advantage of free bicycle rentals, and explore the museum on site.

#### Getting to the park by bus:

Depending on where you are staying in Wageningen, you will take a local bus to the Ede-Wageningen Station. For most areas in Wageningen, this will be the C3 bus and takes about 15-20 minutes. From the Ede-Wageningen Station, you will take the 108 bus toward Apeldoorn and ride for 9 stops (18 minutes), exiting at the “Otterlo, Ronde” Bus Stop. From this bus stop, you can either take the 106 bus, which will take you into the center of the park within a few minutes or you can walk to the Otterloo entrance (19 minutes), where you can take a bike into the park.

*To travel by car or for more information on park fees, visit the “Location” tab on our website.*

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### NEARBY TOWNS TO VISIT

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#### Ede, Gelderland

With many nature trails, museums, and restaurants, Ede is a larger city than Wageningen and offers tourists a variety of city and wildlife attractions.

#### Arnhem, Gelderland

With much World War II history, a zoo, and many museums, Arnhem offers attractions for the curious traveler. Visit Arnhem for a variety of tours, including tours of the Battle of Arnhem.

# PLENARY SPEAKER: WORKSHOP DAY

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WEDNESDAY, 19 OCTOBER 2022

9:00 - 10:00 AM CET | ROOM C9119

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## EMBRACING WILDLIFE COMEBACK IN EUROPE

**RAQUEL FILGUEIRAS: HEAD OF REWILDING, REWILDING EUROPE**

**Biography:** Raquel Filgueiras was born in 1972 in a small coastal village in northern Portugal. Like many other Portuguese, the ocean, and her curiosity led her to a career that now spans three continents and numerous countries.

Having started on the plains of southern Portugal, she quickly switched her attention to Africa, moving there to help the IUCN develop a tourism plan for the Parque Nacional do Rio Cacheu in Guinea-Bissau. Forced to leave the country by civil war, she eventually joined The Nature Conservancy in the Eastern Caribbean, where she led the Grenadines Parks in Peril Programme, setting up a network of marine protected areas between Grenada and St. Vincent and the Grenadines. The call of Africa was still strong, however. After a decade away, she returned, this time to Mozambique to work with communities living around Gorongosa National Park, one of the first privately run protected areas in Africa.

Raquel believes strongly in the innovative power of the private sector as a force that can bring about positive change. Therefore, in 2010, she joined the African Parks Network to become Park Manager of Liuwa Plain National Park, a vast and remote, seasonally flooded grassland plain in western Zambia, on the border with Angola, where wilderness can be experienced first-hand.

After that, Raquel joined WWF in Zambia, where she led the Freshwater Programme for five years. Her team worked to maintain the connectivity of the Zambezi river basin, setting up water resource protection areas and protecting the natural flow of some of the region's largest rivers.

In 2019 Raquel moved back to Europe where, as Head of Rewilding at Rewilding Europe, she is now supporting a network of Rewilding Landscapes across the continent. Raquel is driven by a desire to create space for nature, and a strong belief that humans benefit greatly when they connect with that nature. One of her favourite pastimes is to grab a backpack and disappear into nature, an activity she has been fortunate enough to enjoy in some of our planet's wildest places.



# PLENARY SPEAKERS: WILDLIFE VALUES TRACK

THURSDAY, 20 OCTOBER 2022 | ROOM C9119



## MEGAFAUNA RESTORATION: LEGAL AND MORAL OBLIGATIONS AND CHALLENGE

9:00 - 10:00 AM CET

ARIE TROUWBORST: ASSOCIATE OF ENVIRONMENTAL LAW, TILBURG LAW SCHOOL

**Biography:** Arie Trouwborst is an Associate Professor of Environmental Law, interested in understanding and improving the contribution of (international and European) law to the conservation, restoration, and sustainable use of biodiversity. Trouwborst received an L.L.M. (2001) and Ph.D. (2006) from Utrecht University. He authored various books and numerous journal articles on a range of legal instruments, countries, species, and topics. He frequently conducts advisory work for international entities (e.g., Bern Convention on European Wildlife, Convention on Migratory Species, IUCN), national governments, and NGOs. Much of Trouwborst's current research concerns megafauna (large mammals). Recent publications address megafauna restoration; wolf management; leopard trophy export quotas; rhinoceros conservation; and conservation translocations. Trouwborst is an Extraordinary Associate Professor at North-West University, South Africa, and a certified wildlife tracker (level Track & Sign III).



## CULTURAL ORIGINS SHAPE EURO-AMERICAN DIFFERENCES IN VALUES TOWARD WILDLIFE

1:00 - 2:00 PM CET

MICHAEL J. MANFREDO: PROFESSOR AND DEPARTMENT HEAD, DEPARTMENT OF HUMAN DIMENSIONS OF NATURAL RESOURCES, COLORADO STATE UNIVERSITY

**Biography:** Michael J. Manfredo is a Professor and Department Head in the Department of Human Dimensions of Natural Resources at Colorado State University. He received his B.A. and M.S. degree from Penn State University and his Ph. D. from Colorado State University. Prior to 1989, he held positions at the University of Illinois and at Oregon State University. Mike's research activities focus on the role of social science in natural resource management. He has published in journals such as Wildlife Society Bulletin, Society and Natural Resources, Journal of Social Psychology, Journal of Forestry, Journal of Conservation Biology, Journal of Human Dimensions of Wildlife, Coastal Zone Management, North American Fisheries Management, Journal of Leisure Research, Leisure Sciences, and Society and Natural Resources. He also has published books entitled Influencing Human Behavior: Theory and Applications in Recreation, Tourism and Natural Resources Management, and Who Cares about Wildlife? He was the founding co-editor of the journal entitled Human Dimensions of Wildlife. His work has also been reported in locations such as CNN, USA Today, Newsweek, New York Times, Denver Post, and the Rocky Mountain News. Michael currently devotes a significant amount of time to studying Global Wildlife Values.

# PLENARY SPEAKERS: EMOTIONS TRACK

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FRIDAY, 21 OCTOBER 2022 | ROOM C9119

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## ART AND EMOTIONS: HOW ART CAN INFLUENCE OUR PERCEPTION OF THE WOLF

9:00 - 10:00 AM CET

JANA MALIN: ART & SCIENCE, WORKS WITH WILD WOLF POPULATIONS

**Biography:** Jana Malin formerly developed innovative educational models in cooperation with businesses and scientists. She subsequently took over a management and leadership role for the Academy in New Media and Knowledge Transfer at the University of Graz. Even back then, the importance of values and creativity were a integral focal point of her work. During this time, she pursued her passion for photography and painting, until she experienced for the first time – a wolf in 2010. This encounter led her to the exploration and photography of the life of wild wolves. The months of observations have given her not only pictures but also deep insights into the lives of wolves. Exhibitions and art events aim to inspire people to learn more about wolves and nature. The dialogue between art and science that Jana Malin establishes in her art events is intended to increase our connection to nature. At the same time, these events should provide inspirations that will lead us to creative solutions for coexistence across disciplines.



## WHY FEAR FOR EMOTION IS A THREAT TO WILDLIFE CONSERVATION

1:00 - 2:00 PM CET

MAARTEN JACOBS: ASSISTANT PROFESSOR, CULTURAL GEOGRAPHY GROUP, WAGENINGEN UNIVERSITY & RESEARCH

**Biography:** Maarten Jacobs is an assistant professor at the Cultural Geography Chair Group of Wageningen University. He uses social science theories and methods to examine human interactions with natural resources. Specifically, he aims to increase our understanding of the psychological mechanisms that bring about human emotions and thought about wildlife. He is one of the pioneers in the study of emotions toward wildlife. As his publications on emotion toward wildlife demonstrate, Maarten pursues a systematic and thorough approach, to include theory building, conceptual fine-tuning, methodological reviewing, and empirical studies using case studies, correlational research and experimental research, across different cultures. He has collaborated with scholars from different disciplines and different nations, and has been visiting scholar at Colorado State University and Bergen University.

## SCHEDULE OVERVIEW (ALL TIMES IN CENTRAL EUROPEAN TIME ZONE)

<b>WEDNESDAY, OCTOBER 19: WORKSHOP TRACK</b>		
8:30 AM - 5:00 PM	<b>Registration Desk Open (<i>Aurora Main Entrance</i>)</b>	
9:00 - 10:00 AM	<b>Opening &amp; Plenary Session (<i>Room C9119</i>)</b>  <b>Introductions by:</b> Michael Manfredo, Colorado State University Boy van Droffelaar, Foundational of Natural Leadership Maarten Jacobs, Wageningen University  <b>Embracing Wildlife Comeback in Europe</b> Raquel Filgueiras ( <i>info on page 11</i> )	
<b>Session W-1</b>	<b>W-1A Room B9216-B9218</b>	<b>W-1C Room B9211</b>
10:00 - 11:00 AM	Workshop Session: Dealing with Polarization and Communication with Different Agencies, Part One	Organized Session: Human-Wildlife Conflict and Political and Social Struggle, Part One
11:00 - 11:15 AM	<b>Coffee Break (<i>Outside of Room C9119</i>)</b>	
11:15 AM - 12:15 PM	Workshop Session: Dealing with Polarization and Communication with Different Agencies, Part Two  <i>(See session details on page 20)</i>	Organized Session: Human-Wildlife Conflict and Political and Social Struggle, Part Two  <i>(See session details on page 21)</i>
12:15 - 1:15 PM	<b>Lunch (<i>Outside of Room C9119</i>)</b>	



## SCHEDULE OVERVIEW (ALL TIMES IN CENTRAL EUROPEAN TIME ZONE)

<b>WEDNESDAY, OCTOBER 19: WORKSHOP TRACK</b>			
<b>Session W-2</b>	<b>W-2A Room B9216-B9218</b>	<b>W-2B Room B9210</b>	<b>W-2C Room B9211</b>
1:15 - 3:15 PM	<p>Organized Session: Humans and Wildlife in Rewilding Initiatives</p> <p><i>(See session details on page 23)</i></p>	<p>Virtual Presentations</p> <p><i>(See session details on page 30)</i></p>	<p>Organized Session: Conservation Research and Discursive Violence</p> <p><i>(See session details on page 26)</i></p>
<b>Session W-3</b>	<b>W-3A Room B9216-B9218</b>	<b>W-3B Room B9210</b>	<b>W-3C Room B9211</b>
3:15 - 4:15 PM	<p>Workshop Session: New Wildlife Management Models in The Netherlands, Part One</p>	<p>Organized Session: Ethical Dimensions of Sharing Landscapes, Part One</p>	<p>Organized Session: Developing Guidelines for the Human-Wildlife Interactions in Conservation Translocations, Part One</p>
4:15 - 4:30 PM	Coffee Break ( <i>Outside of Room C9119</i> )		
4:30 - 5:30 PM	<p>Workshop Session: New Wildlife Management Models in The Netherlands, Part Two</p> <p><i>(See session details on page 20)</i></p>	<p>Organized Session: Ethical Dimensions of Sharing Landscapes, Part Two</p> <p><i>(See session details on page 24)</i></p>	<p>Organized Session: Developing Guidelines for the Human-Wildlife Interactions in Conservation Translocations, Part Two</p> <p><i>(See session details on page 22)</i></p>
5:30 - 7:00 PM	<p>Optional Networking Session (<i>Outside of Room C9119</i>)</p> <p><i>Drinks and hors d'oeuvres not included in registration price but available for purchase with debit or credit card</i></p>		

## SCHEDULE OVERVIEW (ALL TIMES IN CENTRAL EUROPEAN TIME ZONE)

### THURSDAY, OCTOBER 20: WILDLIFE VALUES TRACK

8:30 AM - 5:00 PM	Registration Desk Open ( <i>Aurora Main Entrance</i> )		
9:00 - 10:00 AM	<b>Plenary Session (Room C9119)</b>  <b>Introduction:</b> Maarten Jacobs, Wageningen University  <b>Megafauna Restoration: Legal and Moral Obligations and Challenges</b> Arie Trouwborst ( <i>info on page 12</i> )		
10:00 - 10:30 AM	Coffee Break ( <i>Outside of Room C9119</i> )		
<b>Session T-1</b>	<b>T-1A Room B9210</b>	<b>T-1B Room B9211</b>	<b>T-1C Room B9216-B9218</b>
10:30 AM - 12:30 PM	Wolves & Livestock  <i>(See session details on page 30)</i>	Emotions Toward Wildlife  <i>(See session details on page 31)</i>	Organized Session: Human-Wildlife Interactions in Shared Urban Landscapes  <i>(See session details on page 25)</i>
12:30 - 1:00 PM	Lunch Pickup ( <i>Outside of Room C9119</i> )		
1:00 - 2:00 PM	<b>Plenary Session (Room C9119)</b>  <b>Introduction:</b> Jenny Anne Glikman, Instituto de Estudios Sociales Avanzados (IESA-CSIC)  <b>Cultural Origins Shape Euro-American Differences in Values Toward Wildlife</b> Michael J. Manfredo ( <i>info on page 12</i> )		

## SCHEDULE OVERVIEW (ALL TIMES IN CENTRAL EUROPEAN TIME ZONE)

THURSDAY, OCTOBER 20: WILDLIFE VALUES TRACK			
Session T-2	T-2A Room B9210	T-2C Room B9216-B9218	
2:00 - 3:30 PM	Livestock & Wildlife Management  (See session details on page 31)	Organized Session: Can Golden Jackals and Humans Share a Landscape?  (See session details on pages 26-27)	
3:30 - 4:00 PM	Coffee Break (Outside of Room C9119)		
Session T-3	T-3A Room B9210	T-3B Room B9211	T-3C Room B9216-B9218
4:00 - 6:00 PM	Human-Wildlife Conflict  (See session details on page 31-32)	Wildlife Values  (See session details on page 32)	Shared Landscapes & Agriculture  (See session details on page 33)
6:00 - 7:00 PM	Optional Networking Session (Outside of Room C9119)  Drinks and hors d'oeuvres not included in registration price but available for purchase with debit or credit card		



SCHEDULE OVERVIEW (ALL TIMES IN CENTRAL EUROPEAN TIME ZONE)

FRIDAY, OCTOBER 21: EMOTIONS TRACK			
8:30 AM - 5:00 PM	Registration Desk Open ( <i>Aurora Main Entrance</i> )		
9:00 - 10:00 AM	<p><b>Plenary Session (<i>Room C9119</i>)</b></p> <p><b>Introduction:</b> Maarten Jacobs, Wageningen University</p> <p><b>Art and Emotions: How Art Can Influence Our Perception of the Wolf</b> Jana Malin (<i>info on page 13</i>)</p>		
10:00 - 10:30 AM	Coffee and Snack Break ( <i>Outside of Room C9119</i> )		
Session F-1	F-1A B9218	F-1B B9210	F-1C B9211
10:30 AM - 12:30 PM	<p>Large Carnivores I</p> <p>(<i>See session details on page 33</i>)</p>	<p>Conservation &amp; Natural Resources</p> <p>(<i>See session details on page 34</i>)</p>	<p>Organized Session: Too Many? Wildlife Fertility Control to Share Landscapes</p> <p>(<i>See session details on page 27</i>)</p>
12:30 - 1:00 PM	Lunch Pickup ( <i>Outside of Room C9119</i> )		
1:00 - 2:00 PM	<p><b>Plenary Session (<i>Room C9119</i>)</b></p> <p><b>Introduction:</b> Michael Manfredo, Colorado State University</p> <p><b>Why Fear for Emotion is a Threat to Wildlife Conservation</b> Maarten Jacobs (<i>info on page 13</i>)</p>		

## SCHEDULE OVERVIEW (ALL TIMES IN CENTRAL EUROPEAN TIME ZONE)

<b>FRIDAY, OCTOBER 21: EMOTIONS TRACK</b>			
<b>Session F-2</b>	<b>F-2A B9218</b>	<b>F-2B B9210</b>	<b>F-2C B9211</b>
2:00 - 3:30 PM	<p>Organized Session: European Wildlife: Assessing social acceptability and communication channels with relevant actors</p> <p><i>(See session details on page 28)</i></p>	<p>Organized Session: Mainstreaming Human Dimensions for Conservation Professionals in Europe</p> <p><i>(See session details on page 29)</i></p>	<p>Organized Session: Tribal Leadership, Culture, &amp; Science in Protecting the Salish Sea</p> <p><i>(See session details on page 29)</i></p>
3:30 - 4:00 PM	Coffee Break ( <i>Outside of Room C9119</i> )		
<b>Session F-3</b>	<b>F-3A B9218</b>	<b>F-3B B9210</b>	<b>F-3C B9211</b>
4:00 - 6:00 PM	<p>Large Carnivores II</p> <p><i>(See session details on page 34)</i></p>	<p>Species Conservation</p> <p><i>(See session details on page 35)</i></p>	<p>Fish &amp; Anglers</p> <p><i>(See session details on page 35)</i></p>
6:00 - 7:00 PM	Networking & Poster Session ( <i>Orion Building</i> )		
7:00 - 8:00 PM	<p>Conference Dinner (<i>Orion Building</i>)</p> <p><i>Dinner and two drinks included in Full Conference Registration; not included in single-day registration</i></p>		

## **WORKSHOP DETAILS**

### **Dealing with Polarization and Communication with Different Agencies**

**Workshop Organizer:** Maarten Jacobs (Cultural Geography Group, Wageningen University & Research)

**Wednesday, 19 October 2022 | 10:00 AM - 12:15 PM CET**

**Session W-1A | Room B9216-B9218**

Polarization occurs frequently in the context of human-human conflicts regarding wildlife issues, such as discussions about the habitat extensions of wolves in various European countries. For conservation practitioners and scientists, it is often difficult to operate with polarization. How does polarization work? What different roles can individuals and organizations assume in polarized debates? Is there anything one can do to depolarize or avoid future polarization? This workshop offers an analytical framework to address these questions. Participants are invited to apply this framework to an issue of their choice and learn about consequences for communication and action.

This session structure will be a one-hour presentation, a short coffee break, followed by a one-hour interactive session.

### **New Wildlife Management Models in The Netherlands**

**Workshop Organizers:** Ine Dorresteyn (Copernicus Institute of Sustainable Development, Utrecht University), Martin Drenthen (Institute for Science in Society, Radboud University), Joris Cromsigt (Department of Wildlife, Fish and Environmental Studies, Swedish University of Agricultural Sciences)

**Wednesday, 19 October 2022 | 3:15 - 5:30 PM CET**

**Session W-3A | Room B9216-B9218**

The Netherlands experiences a major comeback of several larger mammal species, including several ungulate species, semi-domesticated large grazers, beaver, otter, and the wolf. While some celebrate this wildlife comeback and advocate for management models that widely accept wildlife, others emphasize the negative impacts and argue for limiting their numbers. The wildlife comeback, thus, creates an uncertain future for human-wildlife relations. In a country as densely populated as the Netherlands, humans and wildlife interact constantly, knowingly, or more often, unknowingly. These behavioral interactions are a form of interspecies communication that current wildlife management often ignores by focusing on managing wildlife numbers. WildlifeNL is a newly funded 8-year program, where several knowledge institutions team-up with a broad range of societal stakeholders to critically analyze current Dutch wildlife management and jointly develop alternative scenarios for future human-wildlife management focused on managing behaviors rather than just numbers. We propose to develop an innovative interspecies communication approach to wildlife management in the Netherlands by combining the latest insights from environmental social science, governance, philosophy, behavioral ecology, and engineering. More specifically, we will co-create novel smart Internet of Things technologies that help understand and steer human-wildlife behaviors, and study the broader social, ethical and philosophical dimensions of an interspecies communication approach to wildlife management and how technology can improve human-wildlife coexistence. We will also investigate new governance arrangements and communication strategies that can help to transition towards co-managing human and wildlife behavior. Finally, WildlifeNL will integrate and upscale the outcomes through developing transformative pathways for wildlife management in the Netherlands, using participatory scenario planning and serious gaming.

In this 2-hour session, we will introduce WildlifeNL through a series of short presentations and an interactive workshop. During the first hour, we will present the overall goals and the interdisciplinary character of the WildlifeNL project and discuss the different sub-questions of the project. During the second hour, have an interactive round-table discussion on current and future wildlife management in the Netherlands, in which participants will have opportunity to provide input on the research of the project. In the workshop participants are invited to reflect on 3 questions: i) What are the current barriers in Dutch Wildlife Management?; ii) Where do you see opportunities for Dutch Wildlife Management?; and iii) How are these linked to current knowledge gaps?

This workshop will be bi-lingual. The presentations etc. will be held in English, but because we recognize that not all participants will be comfortable talking in English, participants may also ask questions etc. in Dutch, which will then be translated.

# **SYMPOSIUM DETAILS**

## **Human-Wildlife Conflict and Political and Social Struggle**

**Session Chairs:** Dr. Kate Massarella (Sociology and Development and Change Group, Wageningen University), Mx. Sanna Komi (University of Helsinki)

**Wednesday, 19 October 2022 | 10:00 AM – 12:15 PM CET**

**Session W-1C | Room B9211**

There is a growing acknowledgement among those concerned with human-wildlife interactions that much ‘human-wildlife conflict’ is often better conceptualised as ‘human-human conflict’: that is, conflict between different ideas about coexisting with and managing wildlife (Glikman, Frank, and Marchini 2019). It thus follows that understanding the differing perspectives of species governance driving human-human conflict is core to supporting human-wildlife coexistence. It is furthermore suggested that both human-wildlife and human-human conflict both reflect and interact with complex social and political struggles. Certain species of animals – particularly large carnivores – can become symbols for these struggles, further complicating their governance (Madden and McQuinn 2014). The wider social and political contexts in which human-wildlife conflict and coexistence occur are, however, a ‘blind spot’ for many working and studying conservation (Madden and McQuinn 2014; Margulies and Karanth 2018).

The aim of this organized session is to contribute to addressing this ‘blind spot’ by using critical social science lenses to unpack some of the complex social, political, and economic factors that intersect with human-wildlife interactions. We will focus on how human-wildlife conflict and coexistence is influenced by (and influences) different forms of social and political struggles among different groups of people. These struggles include clashes of values over the future(s) of rural spaces, contrasting ideas about how to govern different spaces and species (including resistance to external interference), the battle for meaningful participation in conservation decision-making, and resistance to conservation (and other) policies and interventions that are viewed as socially unjust. Better understanding these underlying issues that characterize different landscapes and contexts will contribute important and novel insights into the core question of the conference: how can we share landscapes in ways that are beneficial for both humans and wildlife in times of species extinction, climate change, and social injustice?

### **Abstracts:**

#### **Should Spanish Wolves Have the Right to Roam?**

Dr. Hanna Pettersson (University of Leeds), Dr. George Holmes (University of Leeds), Prof. Claire Quinn (University of Leeds), Dr. Steven Sait (University of Leeds)

#### **Beyond Spectacles of Nature in Convivial Conservation: The case of loved (lions/red squirrels) and unloved (spotted hyenas/grey squirrels) others**

Dr. Judith Krauss (University of York), Dr. Mathew Bukhi Mabele (University of Dodoma), Dr. Wilhelm Kiwango (University of Dodoma)

#### **“The Bear is Innocent!” Contrasting perspectives on nature conservation or awakening of new environmental awareness?**

Dr. Svetoslava Toncheva (Bulgarian Academy of Sciences, IEFSEM)

#### **The “Magic Light.” Can predator deterrent lights foster coexistence between people and carnivores?**

Mx. Valentina Fiasco (University of Leeds)

#### **A Top Predator in a Hopespot: Jaguar conservation in the perspective of those performing it at the Brazilian Atlantic Forest**

Dr. Laila Sandroni (University of São Paulo), Dr. Katia Ferraz (University of São Paulo)

#### **Belonging in Nature: Towards convivial wolf conservation in Finland**

Mx. Sanna Komi (University of Helsinki)



## **SYMPOSIUM DETAILS**

### **Developing Guidelines for the Human-Wildlife Interactions in Conservation Translocations**

**Session Chairs:** Dr. Adriana Consorte-McCrea (Academy for Sustainable Futures, Canterbury Christ Church University), Dr. Shekhar Kolipaka (Social and Behavioural Sciences, Leiden University), Dr. Jake Owens (Los Angeles Zoo & Botanical Gardens), Dr. Carlos Ruiz-Miranda (Laboratory of Environmental Sciences, Universidade Estadual do Norte Fluminense), Dr. Sian Waters (Department of Anthropology, Durham University)

**Wednesday, 19 October 2022 | 3:15 - 5:30 PM CET**

**Session W-3C | Room B9211**

Conservation translocation is a widely used management intervention to restore locally extinct or augment severely depleted species. Human dimension issues that influence the achievement of these aims are encountered at five different stages of the project life cycle: 1) Planning, 2) Initiation, 3) Implementation, 4) Ending, and 5) Post-exit stage. Overlooking such dimensions may jeopardize the success of the project. Understanding and addressing human-wildlife interaction issues improve community involvement, peers' acceptance, and the support from various interest groups.

In this workshop, we propose to discuss participants' experiences in human dimensions related to each of the five stages of a project's life cycle. Discussions aim to expand on findings from the IUCN/SSC CTSG HWIWG 2022 Guidelines to Facilitate Human-Wildlife Interactions in Conservation Translocations, to identify best practices and key issues for each stage to inform planning and promote wildlife conservation and collaboration amongst groups and coexistence.

#### **Workshop:**

Introduction and framework (15 minutes): presenters will introduce the five stages of the conservation translocation project lifecycle.

Working in groups (60 minutes): participants will be allocated to one table dedicated to one of the five stages proposed by the framework. A copy of the guidance will be handed to each participant, and it will make the basis for the discussion. Each participant will have the opportunity to talk about how the guidance relates to their own experiences, and how it may be applicable to their own practice. They will be invited to identify: 1) key barriers and 2) key opportunities in relation to best practices concerning the human dimensions of each stage.

Final discussion (15 minutes): a participant from each table will be invited to convey their conclusions; participants will have an opportunity to pose questions and discuss key issues concerning all stages of the project cycle.

#### **Output:**

Inform expanded guidelines for the CTSG.

## **SYMPOSIUM DETAILS**

### **Humans and Wildlife in Rewilding Initiatives**

**Session Chairs:** Dr. Koen Arts (Forest and Nature Conservation Policy Group, Wageningen University & Research), Prof. Liesbeth Bakker (Nioo-knaw), Dr. Arjen Buijs (Forest and Nature Conservation Policy Group, Wageningen University & Research)

**Wednesday, 19 October 2022 | 1:15 - 3:15 PM CET**

**Session W-2A | Room B9216-B9218**

Wildlife is often a constitutive component of rewilding initiatives. Large herbivores and predators, in particular, are deployed by rewilders to restore trophic cascades, reinstate landscapes of fear, or promote more dynamic and resilient ecosystems. But large herbivores and predators also evoke more controversy, effortlessly bringing out frictions around human-wildlife interfaces that scrutinize and question the possibilities of sharing landscapes. At the same time, the presence of large herbivores and predators induces human fascination, creates landscapes of wonder for recreationists, boosts tourism, or may help humans to find wildness in areas without wilderness.

This organized session presupposes that rewilding has the potential to be more than an ecological agenda alone; when it succeeds in engaging humans beyond the ‘regular’ roles of initiator, stakeholder or (recreating) bystander, a transformative ethic may develop that informs a sustainable position of humans inside, as opposed to outside, a rewilded landscape.

This session will specifically explore how wildlife and humans interact in the context of rewilding, and what significance such interactions hold for rewilding as both an ecological practice and a transformative ethic. Seeking for a deep understanding of cultural, psychological, social, or philosophical dimensions of ‘wild’ animals in rewilding initiatives, presenters in this session will engage rewilding case studies and also show how wildlife – as animals with specific characteristics, requirements, habits, and characters – can enhance human understanding of humans as a species that rewilds.

#### **Abstracts:**

##### **Coexistence with Brown Bears (Spain) and Ethical Posthumanism**

Mr. Daan Disco (Wageningen University & Research)

##### **Four Decades of Dutch Rewilding with Wildlife**

Dr. Koen Arts (Forest and Nature Conservation Policy Group, Wageningen University & Research), Prof. Liesbeth Bakker (Nioo-knaw), Dr. Arjen Buijs (Forest and Nature Conservation Policy Group, Wageningen University & Research)

##### **When a Forest Becomes Wild: Discourses about wilderness within Polish forestry**

Dr. Agata Konczal (Wageningen University & Research)

##### **Wild Practices: Understanding human-wildlife interactions from a social-practices perspective**

Dr. Kris van Koppen (Wageningen University & Research)

##### **Rewilding at Home: A crowd-sourcing project**

Mr. Ben Vollaard (Tillburg University)

##### **From Planning a Wildlife Corridor to Biocultural Evolution**

Dr. Bas Verschuuren (Wageningen University & Research), Dr. Freerk Wiersum (Wageningen University & Research)

## **SYMPOSIUM DETAILS**

### **Ethical Dimensions of Sharing Landscapes**

**Session Chair:** Ms. Lara Tickle (Swedish University of Agricultural Sciences (SLU)), Dr. Nikolaj Bichel (The University of Hong Kong)

**Wednesday, 19 October 2022 | 3:15 - 5:30 PM CET**

**Session W-3B | Room B9210**

Various ethical frameworks govern our relationships with wildlife and people. Traditionally, landscapes have been governed by dominant stakeholder groups such as hunters, farmers, and through government initiatives (often based in scientific research). However, modern social developments bring a greater diversity in stakeholder groups, which, in turn brings new perspectives on how to relate to natural landscapes and wildlife, and how to share them. Communication has increased between groups whose access to certain landscapes and influence over wildlife management policies have traditionally been marginalized - often facilitated through social media. These discussions also highlight place-making and land 'claiming' practices that work to exclude people or animals from landscapes such as fences, roadblocks, dikes, threatening signposts in yards or bumper stickers on cars, and so on. As new viewpoints enter the arena, so do new values and relationships with wildlife and nature, and between social groups. We welcome panelists who are interested not only in the social and ethical dimensions of sharing landscapes with wildlife, but in how we share landscapes with each other, including with traditionally marginalized groups such as women, migrants, and people of color, and how we see our roles in natural spaces and wildlife management. The panel is therefore focused on research concerning the ethical dimensions of sharing landscapes, wildlife interactions, and in new paradigms for understanding human relationships with nature and wildlife such as rewilding, multifunctional landscapes, urban biotopes, and hunting.

#### **Abstracts:**

##### **Severed Symbiotic Landscape Connections: Reindeer herding and wildfire**

Dr. Andrew Butler (Swedish University of Agricultural Sciences (SLU)), Dr. Annette Löf (Swedish University of Agricultural Sciences (SLU)), Dr. Sara Holmgren (Swedish University of Agricultural Sciences (SLU)), Ms. Maria Boström (Svenska Samernas Riksförbund)

##### **Hunting and Social Tensions**

Dr. Nikolaj Bichel (WildCRU, Oxford University)

##### **Cohabitation: Meet or expel your co-inhabitants: Stories that need to be shared**

Dr. Susan Boonman-Berson (Bear at Work)

##### **Fresh Meat: Women hunters and the motivation to hunt for ethical meat**

Ms. Lara Tickle (Swedish University of Agricultural Sciences (SLU))

##### **Complexity Over Panacea: Social values and scientific decision-making**

Dr. Paul McCarney (Yukon University)

##### **Unpacking the Divide in Wildlife Perceptions Between Norway and Sweden: A values-attitude approach**

Rose Keller (Norwegian Institute for Nature Research), Oddgeir Andersen (Norwegian Institute for Nature Research), Camilla Sandström (Umeå University), Sabrina Dressel (Wageningen University)

## **SYMPOSIUM DETAILS**

### **Human-Wildlife Interactions in Shared Urban Landscapes**

**Session Chairs:** Dr. Tanja Straka (Technische Universität Berlin), Dr. Monika Egerer (Technische Universität Berlin), Dr. Carl Soulsbury (University of Lincoln), Dr. Margreet Drijfhout (School of Technology, Environments and Design, University of Tasmania)

**Thursday, 20 October 2022 | 10:30 AM – 12:30 PM CET**

**Session T-1C | Room B9216-B9218**

Cities are human-dominated landscapes but are shared with a wide range of wildlife. Interactions between humans and urban biodiversity are diverse, context- and taxon-specific, and can range from negative to positive. Most research has tended to focus on single units, such as human interactions with single species or single habitat types. Instead, urban ecosystems are complex and diverse communities and human interactions, both positive and negative have the potential to shape entire urban communities. The concept of shared landscapes is critical for the future of urban biodiversity in cities, in particular the interconnectedness of humans with and as part of urban biodiversity. Hence, we propose a session with selected presenters who will use case studies or conceptual frameworks to inform human-wildlife interactions in urban areas. Topics will include specific features of these interactions in urban versus non-urban areas, as well as among different taxa. The session will conclude with a roundtable discussion to synthesize presentations and thoughts. The goal of our proposed session and roundtable is to share learnings on human-wildlife interactions from geographically diverse cities and ultimately understand drivers for promoting coexistence and how interconnected networks of interactions can harm or benefit biodiversity more widely. Potential outcomes of our session and roundtable include: 1) multiple research partnerships across geographically diverse institutions, from both academic and non-academic backgrounds; 2) a potential quantitative survey which can be applied by participants to compare cultural differences of human-wildlife interactions in urban areas; and/or 3) a scientific paper to address the urging research questions about enabling shared urban landscapes in cities.

#### **Abstracts:**

##### **“Wild Animals Are Mostly Nice and Beautiful, as Long as They Leave You Alone:” Perspectives of German decision-makers and the public about urban wildlife**

Mr. Simon Moesch (Humboldt Universität zu Berlin), Dr. Jonathan Jeschke (Freie Universität Berlin), Dr. Stephanie Kramer-Schadt (Leibniz Institute for Zoo and Wildlife Research), Dr. Tanja Straka (Technische Universität Berlin)

##### **Scale- and Location-Based Attitudes Toward Urban Animals**

Mr. Fabio Sweet (Technical University Munich), Dr. Anne Mimet (Technical University Munich), Prof. Peter Noack (Vienna University of Technology), Prof. Thomas Hauck (University of Jena), Prof. Wolfgang Weisser (Technical University Munich)

##### **Beyond Values: Understanding underlying drivers of native and non-native species management in cities**

Dr. Tanja Straka (Technische Universität Berlin), Prof. Monika Egerer (Technical University Munich), Prof. Leonie Fischer (Universität Stuttgart), Prof. Ingo Kowarik (Technische Universität Berlin)

##### **Human-Wildlife Interactions in Coastal Cities: Blue, urban, shared?**

Dr. Sophia Kochalski (University of Santiago de Compostela)

##### **Perceptions of Social Wasps and Their Ecosystem Services in Urban Gardens**

Ms. Dr. Julia Schmack (School of Life Sciences, Technical University of Munich), Prof. Monika Egerer (Technical University Munich)



## **SYMPOSIUM DETAILS**

### **Conservation Research and Discursive Violence**

**Session Chairs:** Dr. Stasja Koot (Sociology of Development and Change Group, Wageningen University & Research), Prof. Sian Sullivan (Research Centre for Environmental Humanities, Bath Spa University)

**Wednesday, 19 October 2022 | 1:15 – 3:15 PM CET**

**Session W-2C | Room B9211**

In this roundtable session, based on our collective experiences, we will introduce the topic of ‘discursive violence’ in conservation research. Recent publications have received requests for withdrawal and inaccurate ‘corrections’ in conjunction with legal threats, accusations of defamation, and personal attacks. Instead of an in-depth engagement with the content of these papers, we experienced aggressive political attempts from researchers and practitioners in conservation, through attempted character assassination, to silence unwelcome perspectives, observations, and research findings. We believe these responses to signal discursive violence.

The concept of discursive violence comes from feminist and critical race theory to foreground how the silencing or muting of perspectives may be structurally linked with specific axes of difference. Most political ecologists are writing from relatively privileged positions, however, making its explanatory value perhaps surprising here. We have noted though, that to the extent that social science, humanities, and practitioner engagements with conservation have observed and disclosed findings unpalatable in conservation research, a pattern of response has been of widespread and systematic forms of silencing. In conservation research, specifically, the concept has also been described as a pillar of ‘green violence’ that may be deployed for the aim of nature protection.

We invite people to approach us, if interested, to become a panelist if they have had similar experiences. Our aim is to contribute to the professional and public debate on discursive violence in conservation research. What does it mean when one experiences discursive violence? How should discursive violence be handled in a professional way that does least damage to all those involved in a dispute over interpretations and meanings? Panelists will be asked to elaborate on their experiences with discursive violence in the roundtable discussion.

### **Can Golden Jackals and Humans Share a Landscape?**

**Session Chairs:** Dr. Susan Boonman-Berson (Bear at Work), Ms. Jennifer Hatlauf (University of Natural Resources and Life Sciences)

**Thursday, 20 October 2022 | 2:00 – 3:30 PM CET**

**Session T-2C | Room B9216-B9218**

Golden jackals are expanding their range within Europe. They have recently settled in several new countries, where first reproduction was confirmed – like in Germany or Poland. Sightings of jackals and dispersers have been confirmed since the past years in countries like the Netherlands, France, Switzerland and even in the most northern area in Norway. Monitoring of the golden jackal is ongoing in some of the already established populations, but the challenge will arise in countries where they are not listed as occurring species. Although monitoring and knowledge of the occurrence is an important aspect to prevent possible conflicts between humans and golden jackals, it should not be the sole focus of ‘golden jackal management.’

As shown by other research on wildlife species, such as wolves, beavers, or bears, the focus to potential future scenarios and management strategies to mitigate or avoid conflict is an important task. Several stakeholders should be considered: humans in areas where golden jackals (might) live, as well as the animals themselves, in this case the golden jackal. Additionally, the wider environment should also be taken into account (landscape, space occupation), where both might interact directly or most likely indirectly.

This session is about bringing together the broad range of actors involved in human-jackal coexistence. This includes humans that speak for them as best they can, land and livestock owners, hunters, and scientists that try to monitor occurrence.

We invite each member of this panel discussion to take a stance on different topics to initiate the discussion:

- Their relation with the golden jackal (panel members- 10 min introduction)

***Session T-2C description continued on page 27...***

## **SYMPOSIUM DETAILS**

### **Can Golden Jackals and Humans Share a Landscape? Continued...**

Propositions (all session members):

- “Golden jackals should be hunted”
- “Protective areas should be created specifically for golden jackal”
- “Golden jackals do not belong in our human-dominated landscape”

### **Too Many? Wildlife Fertility Control to Share Landscapes**

**Session Chair:** Dr. Giovanna Massei (Botstiber Institute for Wildlife Fertility Control, Department of Environment and Geography, University of York)

**Friday, 21 October 2022 | 10:30 AM - 12:30 PM CET**

**Session F-1C | Room B9211**

As human-wildlife conflicts (HWC) increase, public attitudes to resolving these conflicts are moving from the traditional “wildlife management” to “resolution of HWC and coexistence”. This happens particularly in Europe, where the density of the human population is relatively high. Conventional methods to resolve HWC, such as culling and toxicants, may be unfeasible, expensive, environmentally harmful, socially unacceptable or ineffective. Fertility control is often advocated to reduce HWC for several species, including native and non-native wildlife, charismatic species and feral livestock, and for contexts such as urban areas. Significant progress has been made in field applications of contraceptives for wildlife, and in modelling the impact of fertility control to manage overabundant populations. Public attitudes to overabundant wildlife, catalysed by increasing wildlife economic and environmental impact such as disease outbreaks, are driving interest in alternative methods.

Acknowledging the shift from a field traditionally confined to academic research to a wider societal debate on HWC, this session brings together field biologists, modellers, practitioners, social scientists, leaders of national consortia and experts in animal welfare to discuss the role of fertility control in Europe’s 21st century.

The session starts with a social scientist talking about public attitudes to managing charismatic, invasive species, followed by a talk illustrating a blueprint for stakeholders’ national coordination of efforts to employ oral contraceptives for reducing the impact of a non-native species. The following presentations focus on a study about fertility control for wild boar population management and on a practitioner sharing experiences of urban pigeon management in Europe. Then the largest Spanish animal welfare organization shares its views on the use of wildlife fertility control. The session ends with an overview on fertility control to manage overabundant wildlife and offers a roadmap for facilitating applications of fertility control to promote human wildlife coexistence in shared landscapes.

#### **Abstracts:**

##### **A Road-Map for Applications of Wildlife Fertility Control in an Overcrowded Continent**

Dr. Giovanna Massei (Botstiber Institute for Wildlife Fertility Control, Department of Environment and Geography, University of York)

##### **Pigeons in the City: Impacts and solutions**

Dr. Marco Pellizzari (Royal College of Veterinary Surgeons)

##### **Conflict Arising from Efforts to Conserve and Control UK Squirrels**

Dr. Mike Dunn (Forest Research), Dr. Mariella Marzano (Forest Research), Dr. Jack Forster (Forest Research)

##### **Too Many Wild Boar: Can fertility control help?**

Dr. Simon Croft (Animal and Plant Health Agency), Dr. Barbara Franzetti (Institute for Environmental Protection and Research (ISPRA)), Dr. Robin Gill (Centre for Ecosystems, Society and Biosecurity, Forest Research), Dr. Giovanna Massei (Botstiber Institute for Wildlife Fertility Control, Department of Environment and Geography, University of York)

##### **A Blueprint for Managing Three Million Charismatic, Non-Native Animals**

Ms. Kay Haw (UK Squirrel Accord)

## **SYMPOSIUM DETAILS**

### **European Wildlife: Assessing social acceptability and communication channels with relevant actors**

**Session Chair:** Ms. Amélie Thiébaud (HES)

**Friday, 21 October 2022 | 2:00 – 3:30 PM CET**

**Session F-2A | Room B9218**

When working toward human-wildlife coexistence, failing to consider interest groups' concerns and opinions can lead to the rejection of protection measures and conservation programs altogether. To increase their acceptability and strengthen compliance, it is crucial to identify which factors are underpinning the social acceptability of conservation programs. This is the main objective of this session, which will present a selection of European studies focusing on human-wildlife coexistence, all set up to answer questions such as: "Which factors influence social acceptability among interest groups?" and "What tools should be implemented to improve the acceptability of conservation programs?"

In the context of these studies, wide ranges of actors were interviewed using various data-collection methods (surveys and one-on-one interviews) to gather both qualitative and quantitative data. The combination of these methods ensured robust results, and is a particularity of the present session.

Based on these findings, we will present different guidelines for wildlife management strategies. These guidelines typically highlight the importance of accounting for social acceptability. Notably, we found that to formulate concrete and efficient solutions likely to resolve conflictual human-wildlife relationships, there is a need for (1) a strong involvement of all local stakeholders in the decision-making process, and (2) efficient communication between these stakeholders. A case study will be presented to illustrate how these guidelines can be used to design better wildlife management strategies.

This session will shed a light on the importance of interest groups' participation when designing wildlife management and conservation programs, and will clarify how social acceptability can affect the success of initiatives for human-wildlife coexistence.

#### **Abstracts:**

##### **Human Dimensions of Bison and Beaver Reintroduction in the Fagaras Mountains, Romania**

Dr. Monica Engel (Bath and Associates), Dr. Alistair Bath (Bath and Associates)

##### **Are Large Carnivores the Real Issue? Solutions for improving conflict management through stakeholder participation**

Dr. Valeria Salvatori (Istituto di Ecologia Applicata), Dr. Juliette Young (INRAE), Mr. Yorck von Korff (Flow-ing), Ms. Estelle Balian (FEAL)

##### **Understanding Human Behavior in Conflicts with Lynx, France**

Ms. Louise Monin (Paris Nanterre University)

##### **Assessing Social Acceptance Toward Wolf in the Jura mountains, Switzerland**

Ms. Coralie Muschietti (HES-SO), Ms. Amélie Thiébaud (HES)

## **SYMPOSIUM DETAILS**

### **Mainstreaming Human Dimensions for Conservation Professionals in Europe**

**Session Chairs:** Dr. Claudia Grünewald (Independent Researcher), Dr. Tom Fish (National Park Service), Dr. Eick von Ruschkowski (Alfred Toepfer Academy for Nature Conservation), Dr. Torsten Richter (University of Hildesheim)

**Friday, 21 October 2022 | 2:00 – 3:30 PM CET**

**Session F-2B | Room B9210**

In large parts of Europe compared to other regions like the U.S., the human dimensions (HD) and conservation social sciences (CSS) community remains rather small and isolated with theories and concepts often lacking broad, effective application. However, the importance of such approaches is more and more recognized among nature conservation practitioners while barriers for implementation still seem high in particular for this group. We conducted exploratory expert interviews among conservationists, facilitated discussions during expert workshops, and derived questionnaire-based surveys from these expert groups in order to establish baselines on HD/CSS from a practitioner's perspective regarding knowledge, experience, use, limits/barriers, or potential needs. First results indicate a demand not only for HD/CSS knowledge and capacity building in form of training opportunities but also for guidelines and/or toolboxes empowering nature conservation professionals to effectively integrate HD/CSS into their daily practice and working environment. Hence, from our results we are also specifying further which kind of information, methods, and tools, etc., may be appropriate to actually support practitioners in implementing HD/CSS. This also serves as input for the development of guidelines and/or toolbox test versions (subsequently applied and evaluated in the field). In this we hope to make HD/CSS more feasible and accessible for a wide range of conservation professionals in Europe contributing to more targeted, sustainable nature conservation solutions.

We will start this open format coffee table discussion with a short presentation outlining our main findings. Building on this, the Pathways Europe Conference will provide a unique opportunity for collective learning - we invite all interested conference participants to explore experiences, limits and needs regarding HD/CSS among practitioners in more depth, while also discussing some of the initial ideas for potential HD/CSS guidelines with us.

### **Tribal Leadership, Culture, & Science in Protecting the Salish Sea**

**Session Chair:** Ms. Cecilia Gobin (Tulalip Tribes & the Northwest Indian Fisheries Commission)

**Friday, 21 October 2022 | 2:00 – 3:30 pm**

**Session F-2C | Room B9211**

The purpose of this session is to showcase tribal leadership, vision, and approach in protecting and restoring our region known as the Salish Sea. In the United States, tribes and tribal treaty rights have played a vital role and platform from which to address critical natural resource issues and policy concerns facing us/the Pacific Northwest. From habitat protection to resource management, to engaging in public education and outreach to inspire stewardship and a sense of place, tribes are actively engaging and leading on all these fronts. Sovereignty and the inherent rights, further secured in our tribal treaties, provide the foundation from which our tribal nations engage. This panel presentation will explore specific topic areas and collectively build to share cultural, political, and science-based approaches being advanced by tribes. The session will showcase successes, identify concerns, build understanding, and promote collaboration and improved efforts to better govern and manage our shared natural resources.



## **SESSION DETAILS**

**W-2B: Virtual Session | Wednesday, 19 October 2022**

**1:15 - 3:15 PM CET | Room B9210**

### **Living Alongside Otters - Otter Conservation in Shared Spaces**

Ms. Vinni Jain (Centre for Wildlife Studies), Dr. Krithi Karanth (Centre for Wildlife Studies)

### **Navigating loss: Surplus livestock depredation and community response**

Mrs. Shruti Suresh (Nature Conservation Foundation), Dr. Saloni Bhatia (Wildlife Conservation Society), Dr. Shobha Mangoli (NIMHANS), Dr. Munib Khanyari (Nature Conservation Foundation), Dr. Kulbhushansingh Suryavanshi (Nature Conservation Foundation)

### **Human dimension of large carnivores' management and conservation in Serbia**

Dr. Vukan Lavadinovic (University of Belgrade)

### **How reliable is survey on hunters and wildlife professionals in estimating the scope of poaching?**

Dr. Vukan Lavadinovic (University of Belgrade), Dr. Ljubinko Rakonjac (Institute of Forestry, Belgrade)

**T-1A: Wolves & Livestock | Thursday, 20 October 2022**

**10:30 AM - 12:30 PM CET | Room B9210**

**Session Chair:** Dr. Sabrina Dressel (Forest and Nature Conservation Policy Group, Wageningen University & Research Department of Wildlife, Fish and Environmental Studies, Swedish University of Agricultural Sciences)

### **Conflict Management in the LIFE BOREALWOLF Project**

Mrs. Madeleine Nyman (Natural Resource Institute in Finland), Dr. Mari Lyly (Finnish Wildlife Agency), Mr. Lauri Kajander (The Uusimaa district of the Finnish Association for Nature Conservation), Mr. Juha Ahonen (Metsähallitus, Game and Fisheries Services), Mr. Harri-Pekka Pohjola (The Eastern Finland Police Department)

### **Emotional Diversity and Attitudes Toward Wolves in France**

Dr. Ugo Arbieu (Senckenberg Biodiversity and Climate Research Center, Frankfurt am Main), Ms. Laura Taysse (Senckenberg Biodiversity and Climate Research Center, Frankfurt am Main), Dr. Olivier Gimenez (Senckenberg Biodiversity and Climate Research Center), Dr. Lisa Lehnert (Senckenberg Biodiversity and Climate Research Center, Frankfurt am Main), Prof. Thomas Mueller (Centre d'Écologie Fonctionnelle et Évolutive, CNRS, Montpellier)

### **Effects of License Hunting on Attitudes Toward Wolves**

Dr. Sabrina Dressel (Forest and Nature Conservation Policy Group, Wageningen University & Research; Department of Wildlife, Fish and Environmental Studies, Swedish University of Agricultural Sciences), Prof. Göran Ericsson (Department of Wildlife, Fish and Environmental Studies, Swedish University of Agricultural Sciences), Prof. Camilla Sandström (Department of Political Science, Umeå University)

### **Involving Stakeholders to Find Solutions to Wolf Conflicts**

Dr. Mari Lyly (Finnish Wildlife Agency), Mr. Juha Ahonen (Metsähallitus, Wildlife Service Finland), Mrs. Madeleine Nyman (Natural Resources Institute Finland), Mr. Harri-Pekka Pohjola (Eastern Finland Police Department), Mr. Lauri Kajander (Finnish Association for Nature Conservation)

### **A New Typology of Individual Relationships with Wildlife**

Dr. Lisa Lehnert (Senckenberg Biodiversity and Climate Research Center, Frankfurt am Main), Dr. Ugo Arbieu (Senckenberg Biodiversity and Climate Research Center, Frankfurt am Main), Prof. Katrin Böhning-Gaese (Senckenberg Biodiversity and Climate Research Center, Frankfurt am Main), Prof. Thomas Mueller (Senckenberg Biodiversity and Climate Research Center)

### **Public Perception of Re-migrating Wolves in Urbanized Denmark**

Dr. Christian Gamborg (University of Copenhagen), Prof. Frank Søndergaard Jensen (University of Copenhagen)

## **SESSION DETAILS**

### **T-1B: Emotions Toward Wildlife | Thursday, 20 October 2022**

**10:30 AM - 12:30 PM CET | Room B9211**

**Session Chair:** Ms. Linde De Vroey (Department of Philosophy, University of Antwerp)

#### **Social Representations of Wildlife**

Dr. Arjen Buijs (Forest and Nature Conservation Policy Group, Wageningen University & Research), Dr. Maarten Jacobs (Cultural Geography Group, Wageningen University & Research)

#### **Interpretations of Wild Nature Disclosed in Public Discourse**

Dr. Agata Pietrzyk-Kaszynska (Institute of Nature Conservation Polish Academy of Sciences), Dr. Agnieszka Olszańska (Institute of Nature Conservation Polish Academy of Sciences)

#### **Together with Bats: A qualitative analysis of house owners' attitudes towards synanthropic bats**

Mrs. Angelica Caiza (University of Groningen)

#### **'Tbilisi Darlings': A case-study of a street dog community**

Ms. Yulia Kisora (Philosophy/Cultural Geography Chair Group, Wageningen University)

#### **(Re-)enchanted Landscapes Through Rewilding Practices**

Ms. Linde De Vroey (Department of Philosophy, University of Antwerp)

#### **Sharing "Wilderness" Through Social Media**

Ms. Sofie Selvaag (Norwegian Institute for Nature Research - NINA), Ms. Lovisa Molin (Norwegian University of Life Sciences), Prof. Øystein Aas (Norwegian University of Life Sciences)

### **T-2A: Livestock & Wildlife Management | Thursday, 20 October 2022**

**2:00 - 3:30 PM CET | Room B9210**

**Session Chair:** Ms. Zoë Lieb (University of Kent)

#### **Ecological Effects of Using Livestock Guarding Dogs**

Ms. Bethany Smith (Nottingham Trent University), Dr. Iain Trewby (Fauna & Flora International), Dr. Katherine Whitehouse-Tedd (Nottingham Trent University), Dr. Richard Yarnell (Nottingham Trent University), Dr. Antonio Uzal (Nottingham Trent University)

#### **Impact of Livestock Guardian Dogs on Livestock Predation in Rural Mongolia**

Ms. Zoë Lieb (University of Kent), Mr. Batbaatar Tumurbaatar (Mongolian Bankhar Dog Project), Mr. Bruce Eflstrom (Mongolian Bankhar Dog Project), Dr. Joe Bull (Mongolian Bankhar Dog Project)

#### **Social Mediation Initiative on the Coexistence between Iberian Wolf and Extensive Livestock Farming**

Ms. Nuria Alonso Leal (Entretantos Foundation), Mr. Julio Majadas Andray (Entretantos Foundation), Ms. Yolanda Sampedro Ortega (Entretantos Foundation), Mr. Jose Angel Sanchez Fabian (Entretantos Foundation), Ms. María Turiño (Entretantos Foundation)

### **T-3A: Human-Wildlife Conflict | Thursday, 20 October 2022**

**4:00 - 6:00 PM CET | Room B9210**

**Session Chair:** Dr. Eva Gross (Freelance Consultancy)

#### **Analyzing Human-Wildlife Conflicts Through Socio-Ecological Systems Framework**

Ms. Francy Daniela Alba-Patiño (CAESCG, University of Almeria), Dr. Antonio Castro Martinez (CAESCG, University of Almeria), Dr. Miguel Delibes-Mateos (Instituto de Estudios Sociales Avanzados (IESA))

*Session T-3A description continued on page 32...*

## **SESSION DETAILS**

### **T-3A: Human-Wildlife Conflict (Continued)...**

#### **Navigating “Human-Wildlife Conflicts” From an Individual Perspective**

Dr. Ann Eklund (Lund University), Dr. Åsa Waldo (Lund University), Prof. Maria Johansson (Lund University), Dr. Jens Frank (Swedish University of Agricultural Sciences)

#### **Longitudinal Study Reveals an Increasing Conflict with Urban Wildlife**

Mrs. Sayantani M. Basak (Institute of Environmental Sciences, Faculty of Biology, Jagiellonian University), Dr. Md Sarwar Hossain (Environmental Science and Sustainability, School of Interdisciplinary Studies, University of Glasgow), Dr. Declan T. O' Mahony (Agri-Food and Biosciences Institute), Prof. Henryk Okarma (Institute of Nature Conservation, Polish Academy of Sciences), Dr. Izabela A. Wierzbowska (Institute of Environmental Sciences, Faculty of Biology, Jagiellonian University)

#### **Exploring Routes to Coexistence: Lessons learned from living with wildlife in sub-Saharan Africa**

Dr. Eva Gross (Freelance Consultancy), Ms. Stephanie Lienenlueke (Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ))

#### **Livelihood Vulnerability and Human-Wildlife Interactions Across Protected Areas in Mozambique**

Ms. Joana Pereira (cE3c - Centre for Ecology, Evolution and Environmental Changes, Faculdade de Ciências, Universidade de Lisboa), Dr. Luis Miguel Rosalino (cE3c - Centre for Ecology, Evolution and Environmental Changes, Faculdade de Ciências, Universidade de Lisboa), Dr. Anneli Ekblom (Department of Geography, University of Zurich), Dr. Maria João Santos (Department of Archaeology and Ancient History, Uppsala University)

#### **Does the Relevance of Catch for Angler Satisfaction Vary with Social-Ecological Context? A study involving angler cultures from West and East Germany**

Mr. Max Birdsong (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)), Dr. Len Hunt (Centre for Northern Forest Ecosystem Research), Dr. Ben Beardmore (Center for Limnology, University of Wisconsin-Madison), Dr. Malte Dorow (Mecklenburg-Vorpommern Research Centre for Agriculture and Fisheries), Prof. Robert Arlinghaus (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB))

### **T-3B: Wildlife Values | Thursday, 20 October 2022**

**4:00 - 6:00 PM CET | Room B9211**

#### **Europeans' Views of Wildlife and Their Management**

Dr. Miguel Delibes-Mateos (IESA), Dr. Jenny Anne Glikman (Instituto de Estudios Sociales Avanzados (IESA-CSIC)), Dr. Beatriz Arroyo (Institute of Marine Research, CSIC), Dr. Mario Soliño (Centro de Investigación Forestal (INIA, CSIC)), Dr. María Martínez-Jauregui (Instituto de Investigación en Recursos Cinegéticos (IREC-CSIC, UCLM, JCCM))

#### **Culling Me Softly: Killing, rescuing, relocating, or reasoning with ‘problem’ wildlife?**

Dr. Erica von Essen (Stockholm University)

#### **Values of Wildlife in the Western Carpathians**

Ms. Charissa Becker (Utrecht University), Dr. Ine Dorresteyn (Copernicus Institute of Sustainable Development), Ms. Silja Zimmermann (Utrecht University), Dr. Bohuslav Kuřík (Charles University)

#### **Public-Facing Urban Wildlife Information Across the United States**

Dr. Anita Morzillo (University of Connecticut), Ms. Dayanara Avilez (Arizona State University), Ms. Marissa Naclerio (University of Connecticut), Dr. Kelli Larson (Arizona State University), Dr. Anne Short (Boston University)

#### **Diverse Feelings and Restorative Outcomes of Wildlife Encounters**

Prof. Maria Johansson (Lund University), Dr. Anders Flykt (Mid Sweden University), Dr. Jens Frank (Swedish University of Agricultural Sciences), Prof. Terry Hartig (Uppsala University)

#### **What Drives Organizational Administration of Citizen Science?**

Ms. Amanda Van Buskirk (University of Georgia), Dr. B. Bynum Boley (University of Georgia), Mr. Charlie Killmaster (Game Management Section, Wildlife Resources Division, Georgia Department of Natural Resources), Dr. Kristina Johannsen (Game Management Section, Wildlife Resources Division, Georgia Department of Natural Resources), Dr. Gino D'Angelo (University of Georgia)

## **SESSION DETAILS**

### **T-3C: Agriculture & Shared Landscapes | Thursday, 20 October 2022**

**4:00 - 6:00 PM CET | Room B9216-B9218**

#### **Compensation Mediates Farmers' Tolerance for Wildlife-Related Crop Damage**

Mrs. Karoline Hemminger (Leibniz Centre for Agricultural Landscape Research), Dr. Lovisa Nilsson (Grimsö Wildlife Research Station, Department of Ecology, Swedish University of Agricultural Sciences), Dr. Johan Månsson (Grimsö Wildlife Research Station, Department of Ecology, Swedish University of Agricultural Sciences), Dr. Hannes König (Leibniz Centre for Agricultural Landscape Research), Dr. Christian Kiffner (Leibniz Centre for Agricultural Landscape Research)

#### **The Impact of Crop-Raiding on Household Resilience**

Dr. Ine Dorresteijn (Copernicus Institute of Sustainable Development), Dr. Jannik Schultner (Wageningen University & Research), Dr. Feyera Senbeta (Addis Ababa University)

#### **Farmers' Vulnerability and Acceptability of Avian Crop Damage**

Ms. Thazin Htay (Department of Biology, Norwegian University of Science and Technology), Prof. Eivin Røskoft (Department of Biology, Norwegian University of Science and Technology), Dr. Thor Harald Ringsby (Centre of Biodiversity Dynamics, Department of Biology, Norwegian University of Science and Technology), Dr. Peter Sjolte Ranke (Department of Biology, Norwegian University of Science and Technology)

#### **Stakeholder Perceptions of European Rabbit Damage to Agriculture**

Dr. Zebensui Morales-Reyes (Instituto de Estudios Sociales Avanzados (IESA-CSIC)), Dr. Beatriz Arroyo (Instituto de Investigación en Recursos Cinegéticos (IREC-CSIC, UCLM, JCCM)), Dr. Fernando E. Garrido (Instituto de Estudios Sociales Avanzados (IESA-CSIC)), Dr. Miguel Delibes-Mateos (Instituto de Estudios Sociales Avanzados (IESA-CSIC)), Dr. Rafael Villafuerte (Instituto de Estudios Sociales Avanzados (IESA-CSIC))

#### **Conservation Mental Modelling and Restored English Beaver Populations**

Dr. Andrew Blewett (Cultural Geography Group, Wageningen University & Research), Dr. Maarten Jacobs (Cultural Geography Group, Wageningen University & Research), Dr. Kasper Kok (Environmental Systems Analysis Group, Wageningen University & Research)

### **F-1A: Large Carnivores I | Friday, 21 October 2022**

**10:30 AM - 12:30 PM CET | Room B9218**

**Session Chair:** Dr. Christopher D. Malcolm (Department of Geography & Environment, Brandon University)

#### **Landscape Level Analysis of Lion Conservation Interventions in the Amboseli Ecosystem, Kenya; An actor-network theory perspective**

Ms. Margaret Muriuki (Karatina University)

#### **Visitor Attitudes Toward Black Bears (*Ursus Americanus*) and Bear Safety Measures in Riding Mountain National Park, Manitoba, Canada**

Dr. Christopher D. Malcolm (Department of Geography & Environment, Brandon University), Ms. Daniela P. Campama Gonzalez (Environmental Science Program, Brandon University), Mr. Tim Sallows (Parks Canada, Riding Mountain Field Unit)

#### **Conviviality as a Pathway to Human-Bear Coexistence in the Carpathian Mountains**

Dr. George Iordachescu (The University of Sheffield)

#### **Borderland Jaguars: Multinatural conservation for Anthropocene coexistence**

Ms. Erin Connolly (University College London, University of Cambridge), Dr. Howard Nelson (Fauna & Flora International, University of Cambridge)

#### **Human-Wildlife Coexistence: Business-as-usual conservation or an opportunity for transformative change?**

Dr. Kate Massarella (Sociology and Development and Change Group, Wageningen University), Mx. Valentina Fiasco (University of Leeds)



## **SESSION DETAILS**

**F-1B: Conservation & Natural Resources | Friday, 21 October 2022**

**10:30 AM - 12:30 PM CET | Room B9210**

**Session Chair:** Prof. Maria Ventura (CIBIO)

### **Participation of Local Actors and REDD+ Benefit-Sharing**

Dr. Sorrel Jones (Royal Society for the Protection of Birds), Ms. Aminata Lansana (Gola Rainforest Conservation), Mr. Christian Lansana (Gola Rainforest Conservation), Mrs. Aminata Berewa (Gola Rainforest Conservation), Mr. Fomba Kanneh (Gola Rainforest Conservation)

### **Human-Wildlife Conflict Under Climate Change: A risk perspective**

Ms. Amy Newsom (Copernicus Institute of Sustainable Development), Dr. Zita Sebesvari (Institute for Environment and Human Security - United Nations University Bonn), Dr. Ine Dorresteijn (Copernicus Institute of Sustainable Development)

### **Engagement of ENGOs in Tourism Management in Small Atlantic Islands' Destinations**

Prof. Maria Ventura (CIBIO), Prof. Ana Costa (CIBIO), Ms. Daniela Casimiro (CIBIO), Dr. Andrea Botelho (CIBIO)

### **The Outdoor Recreation Ecosystem: Wildlife conservation in Costa Rica through a social-ecological systems lens**

Dr. Anna Miller (Utah State University), Dr. Wayne Morse (Auburn University), Dr. Cody Cox (University of Georgia)

### **Landscape Conservation in Great Himalayan National Park, India**

Dr. Anil Kumar Bhardwaj (Wildlife Institute of India), Ms. Aditi Bhardwaj (Tata Institute of Social Sciences)

### **Salmon Restoration in the Face of Conflicting Priorities**

Mr. Alex Uber (Washington Department of Fish and Wildlife)

**F-3A: Large Carnivores II | Friday, 21 October 2022**

**4:00 - 6:00 PM CET | Room B9218**

**Session Chair:** Prof. Annelie Sjoelander-Lindqvist (University of Gothenburg)

### **Large Carnivore Conservation and Social Sustainability: Experience, social suffering, and power**

Prof. Annelie Sjoelander-Lindqvist (University of Gothenburg), Dr. Simon Larsson (University of Gothenburg)

### **Attitude Change Toward Large Carnivores in Beskydy**

Ms. Nina Opdam (Utrecht University), Dr. Miroslav Kutal (Friends of the Earth Czech Republic), Dr. Bohuslav Kuřik (Charles University), Dr. Ine Dorresteijn (Copernicus Institute of Sustainable Development)

### **Collaborative Governance of Large Carnivores: A pathway to consensus or continued dispute?**

Prof. Camilla Sandström (Department of Political Science, Umeå University), Prof. Annelie Sjoelander-Lindqvist (University of Gothenburg)

### **Stakeholder Perceptions of Success in Human-Carnivore Coexistence**

Ms. Chloe Lucas (Nottingham Trent University), Dr. Samantha Bremner-Harrison (Nottingham Trent University), Dr. Jackie Abell (Coventry University), Dr. Katherine Whitehouse-Tedd (Nottingham Trent University)

### **Supporting Coexistence with Large Carnivores: Multi-level participatory exchange platforms in Europe**

Ms. Katrina Marsden (adelphi research), Ms. Christiane Röttger (adelphi research), Dr. Tasos Hovardas (CALISTO - Wildlife and Nature Conservation Society), Ms. Andrea Solic (Carnivora Magna)

## **SESSION DETAILS**

### **F-3B: Species Conservation | Friday, 21 October 2022**

**4:00 - 6:00 PM CET | Room B9210**

#### **Personal Norms and Deer Hunter Engagement in Chronic Wasting Disease (CWD) Prevention**

Ms. Deanna Kreinheder (Cornell University), Dr. T. Bruce Lauber (Cornell University), Dr. Richard Stedman (Cornell University)

#### **Forecasting Avian Abundance Changes Under Stakeholder-Developed Conservation Scenarios**

Dr. Cody Cox (University of Georgia), Dr. Nate Nibbelink (University of Georgia), Dr. Wayne Morse (Auburn University)

#### **Research-Based Knowledge Use in Conservation Conflicts: The IUCN 2019 wild rabbit reassessment in the Iberian Peninsula**

Mrs. Patricia H. Vaquerizas (Instituto de Estudios Sociales Avanzados (IESA-CSIC)), Dr. Anke Fischer (Swedish University of Agricultural Sciences (SLU)), Dr. Miguel Delibes-Mateos (Instituto de Estudios Sociales Avanzados (IESA-CSIC)), Dr. Rafael Villafuerte (Instituto de Estudios Sociales Avanzados (IESA-CSIC))

#### **Hunters' Discourses About Management of Migratory Declining Species**

Dr. Lara Moreno-Zárate (Centre de Ciència i Tecnologia Forestal de Catalunya (CTFC)), Dr. Beatriz Arroyo (Instituto de Investigación en Recursos Cinegéticos (IREC-CSIC, UCLM, JCCM)), Dr. Miguel Delibes-Mateos (IESA), Dr. Zebensui Morales-Reyes (Instituto de Estudios Sociales Avanzados (IESA-CSIC)), Mr. Juan Lorente Rejano (Instituto de Estudios Sociales Avanzados (IESA-CSIC))

### **F-3C: Fish & Anglers | Friday, 21 October 2022**

**4:00 - 6:00 PM CET | Room B9211**

#### **Stakeholder-Inclusive Management of Baltic Pike Using Participatory Modeling**

Dr. Elias Ehrlich (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)), Mrs. Dominique Niessner (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)), Dr. Alistair Bath (Memorial University, Department of Geography, Newfoundland and Labrador), Dr. Dieter Koemle (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)), Prof. Robert Arlinghaus (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB))

#### **Angler Perceptions, Sea Trout, Stress, and Spawning**

Mr. Samuel Blyth (Natural Resources and Sustainable Development, Dept. of Earth Sciences, Uppsala University Campus Gotland), Prof. Patrik Rönnbäck (Natural Resources and Sustainable Development, Dept. of Earth Sciences, Uppsala University Campus Gotland), Dr. Malgorzata Blicharska (Natural Resources and Sustainable Development, Dept. of Earth Sciences, Uppsala University Campus Gotland), Dr. Stian Stensland (Faculty of Environmental Sciences and Natural Resource Management, Norwegian University of Life Sciences)

#### **Involvement, Utility, and Regret in Fisheries Policy Choice**

Dr. Dieter Koemle (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)), Dr. Jürgen Meyerhoff (FB 1 Wirtschaftswissenschaften Hochschule für Wirtschaft und Recht Berlin (HWR)), Prof. Robert Arlinghaus (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB))

#### **Psychological Dimensions of Anglers' Fish Stock Trend Perceptions**

Ms. Lotte van den Heuvel (Natural Resources and Sustainable Development, Dept. of Earth Sciences, Uppsala University Campus Gotland), Prof. Patrik Rönnbäck (Natural Resources and Sustainable Development, Dept. of Earth Sciences, Uppsala University Campus Gotland)

## **POSTER SESSION AND EVENING SOCIAL**

Friday, 21 October 2022

6:00 - 7:00 PM CET

### **Importance of Human Dimension for Management**

Mrs. Reinhild Gräber (Institute for Terrestrial and Aquatic Wildlife Research (ITAW) University of Veterinary Medicine Hannover Foundation), Dr. Tobias Ludwig (Institute for Terrestrial and Aquatic Wildlife Research (ITAW) University of Veterinary Medicine Hannover Foundation), Prof. Ursula Siebert (Institute for Terrestrial and Aquatic Wildlife Research (ITAW) University of Veterinary Medicine Hannover Foundation), Dr. Egbert Strauss (Institute for Terrestrial and Aquatic Wildlife Research (ITAW) University of Veterinary Medicine Hannover Foundation)

### **Operationalizing INSPIRATION in Holistic Landscape Restoration Projects**

Dr. Shekhar Kolipaka (Leiden University/ Commonland Foundaion)

### **Blue Sheep Summer Distribution in a Landscape Shared with Livestock**

Ms. Danyang Shi (Duke Kunshan University, Wageningen University), Dr. Binbin Li (Duke Kunshan University)

### **Promoting Cooperation and Interaction in Finnish Wolf Territories**

Dr. Mari Lyly (Finnish Wildlife Agency), Ms. Jenni Pirinen (Finnish Wildlife Agency), Ms. Mari Tikkunen (Finnish Wildlife Agency), Mr. Mikko Jokinen (Finnish Wildlife Agency), Mrs. Madeleine Nyman (Natural Resources Institute Finland)

### **History, Beliefs, and Cooperation in Conservation Conflict**

Mr. Brian Reilly (Copernicus Institute of Sustainable Development), Prof. Hens Runhar (Copernicus Institute of Sustainable Development), Dr. Bohuslav Kuřík (Charles University, Prague), Prof. Julia Leventon (Institute of Global Change Research of the Czech Academy of Sciences), Dr. Ine Dorresteijn (Copernicus Institute of Sustainable Development)

### **A Transnational Exchange Platform for the Management of Large Carnivores in the Dinaric Region**

Ms. Katrina Marsden (Adelphi Research), Ms. Andrea Solic (Carnivora Magna), Prof. Djuro Huber (Carnivora Magna), Ms. Julia Schmidt (Adelphi Research)

### **Community Rural Tourism as a Coexistence Experience in San Juan de Sierpe, Osa, Costa Rica**

Mrs. Hellen Solís (University of Costa Rica), Mr. Diego Quirós (University of Costa Rica), Mr. Teodoro Willink (University of Costa Rica)

### **The Natural Resettlement of Wolves in Normandy**

Ms. Clémence Méheust (University of Caen-Normandie), Prof. Philippe Madeline (University of Caen-Normandie), Prof. Olivier Cantat (University of Caen-Normandie), Prof. François Leboulenger (University of Le Havre), Prof. Farid Benhammou (University of Poitiers)

### **Sharing Landscapes with Wild Boar (Sus Scrofa): Praxis of Adaptive Co-management in Flanders**

Ms. Liesa Lammens (INBO), Ms. Anneleen Rutten (INBO), Dr. Jim Casaer (INBO)

## **AUTHOR & PRESENTER LIST**

<b>CORRESPONDING LAST NAME</b>	<b>CORRESPONDING FIRST NAME</b>	<b>Session ID</b>
Aas	Øystein	T-1B
Abell	Jackie	F-3A
Ahonen	Juha	T-1A
Alba-Patiño	Francy Daniela	T-3A
Andersen	Oddgeir	W-3B
Alonso Leal	Nuria	T-2A
Arbieu	Ugo	T-1A
Arlinghaus	Robert	T-3A, F-3C
Arroyo	Beatriz	T-3B, T-3C, F-3B
Arts	Koen	W-2A
Avilez	Dayanara	T-3B
Bakker	Liesbeth	W-2A
Balian	Estelle	F-2A
Basak	Sayantani	T-3A
Bath	Alistair	F-2A, F-3C
Beardmore	Ben	T-3A
Becker	Charissa	T-3B
Benhammou	Faird	Poster
Berewa	Aminata	F-1B
Bhardwaj	Anil Kumar	F-1B
Bhatia	Saloni	W-2B
Bichel	Nikolaj	W-3B
Birdsong	Max	T-3A
Blewett	Andrew	T-3C
Blicharska	Malgorzata	F-3C
Blyth	Samuel	F-3C
Böhning-Gaese	Katrin	T-1A
Boley	B. Bynum	T-3B
Boonman-Berson	Susan	W-3B, T-2C
Boström	Maria	W-3B
Botelho	Andrea	F-1B
Bremner-Harrison	Samantha	F-3A
Buijs	Arjen	W-2A, T-1B
Bukhi Mabele	Mathew	W-1C
Bull	Joe	T-2A
Butler	Andrew	W-3B
Caiza	Angelica	T-1B
Campama Gonzalez	Daniela P.	F-1A
Cantat	Olivier	Poster
Casaer	Jim	Poster
Casimiro	Daniela	F-1B



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Castro Martinez	Antonio	T-3A
Connolly	Erin	F-1A
Consorte-McCrea	Adriana	W-3C
Costa	Ana	F-1B
Cox	Cody	F-1B, F-3B
Croft	Simon	F-1C
Cromsigt	Joris	W-3A
D'Angelo	Gino	T-3B
De Vroey	Linde	T-1B
Delibes-Mateos	Miguel	T-3A, T-3B, T-3C, F-3B
Disco	Daan	W-2A
Dorow	Malte	T-3A
Dorresteyn	Ine	W-3A, T-3A, T-3C, F-1B, Poster
Drenthen	Martin	W-3A
Dressel	Sabrina	W-3B, T-1A
Drijfhout	Margreet	T-1B, T-1C
Dunn	Mike	F-1C
Eflstrom	Bruce	T-2A
Egerer	Monika	T-1C
Ehrlich	Elias	F-3C
Ekblom	Anneli	T-3A
Eklund	Ann	T-3A
Engel	Monica	F-2A
Ericsson	Göran	T-1A
Ferraz	Katia	W-1C
Fiasco	Valentina	W-1C, F-1A
Fischer	Anke	F-3B
Fischer	Leonie	T-1C
Fish	Tom	F-2B
Flykt	Anders	T-3B
Forster	Jack	F-1C
Frank	Jens	T-3A, T-3B
Franzetti	Barbara	F-1C
Gamborg	Christian	T-1A
Garrido	Fernando E.	T-3C

## **AUTHOR & PRESENTER LIST**

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Gill	Robin	F-1C
Gimenez	Olivier	T-1A
Glikman	Jenny Anne	T-3B
Gobin	Cecilia	F-2C
Gräber	Reinhild	Poster
Gross	Eva	T-3A
Grünewald	Claudia	F-2B
H. Vaquerizas	Patricia	F-3B
Haase	Dagmar	T-1C
Hartig	Terry	T-3B
Hatlauf	Jennifer	T-2C
Hauck	Thomas	T-1C
Haw	Kay	F-1C
Hemminger	Karoline	T-3C
Holmes	George	W-1C
Holmgren	Sara	W-3B
Hossain	Sarwar	T-3A
Hovardas	Tasos	F-3A
Htay	Thazin	T-3C
Huber	Djuro	Poster
Hunt	Len	T-3A
Iordachescu	George	F-1A
Jacobs	Maarten	W-1A, T-1B, T-3C
Jain	Vinni	W-2B
Jeschke	Jonathan	T-1C
Johannsen	Kristina	T-3B
Johansson	Maria	T-3A, T-3B
Jokinen	Mikko	Poster
Jones	Sorrel	F-1B
Kajander	Lauri	T-1A
Kanneh	Fomba	F-1B
Keller	Rose	W-3B
Karanth	Krithi	W-2B
Munib Khanyari	Munib	W-2B
Kiffner	Christian	T-3B
Killmaster	Charlie	T-3B
Kisora	Yulia	T-1B
Kiwango	Wilhelm	W-1C

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Kochalski	Sophia	T-1C
Koemle	Dieter	F-3C
Kok	Kasper	T-3C
Kolipaka	Shekhar	W-3C, Poster
Komi	Sanna	W-1C
Konczal	Agata	W-2A
König	Hannes	T-3B
Koot	Stasja	W-2C
Kowarik	Ingo	T-1C
Kramer-Schadt	Stephanie	T-1C
Krauss	Judith	W-1C
Kreinheder	Deanna	F-3B
Kuřík	Bohuslav	T-3B, F-3A, Poster
Kutal	Miroslav	F-3A
Lammens	Liesa	Poster
Lansana	Aminata	F-1B
Lansana	Christian	F-1B
Larson	Kelli	T-3B
Larsson	Simon	F-3A
Lauber	T. Bruce	F-3B
Lavadinovic	Vukan	W-2B
Leboulenger	François	Poster
Lehnen	Lisa	T-1A
Leventon	Julia	Poster
Li	Binbin	Poster
Lieb	Zoë	T-2A
Lienenlueke	Stephanie	T-3A
Liesbeth	Bakker	W-2A
Löf	Annette	W-3B
Lorente Rejano	Juan	F-3B
Lucas	Chloe	F-3A
Ludwig	Tobias	Poster
Lyly	Mari	T-1A, Poster
Madeline	Philippe	Poster
Majadas Andray	Julio	T-2A
Malcolm	Christopher D.	F-1A
Mangoli	Shobha	W-2B
Månsson	Johan	T-3C
Marsden	Katrina	F-3A, Poster
Martínez-Jauregui	María	T-3A

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Marzano	Mariella	F-1C
Massarella	Kate	W-1C, F-1A
Massei	Giovanna	F-1C
McCarney	Paul	W-3B
Méheust	Clémence	Poster
Meyerhoff	Jürgen	F-3C
Miller	Anna	F-1B
Mimet	Anne	T-1C
Moesch	Simon	T-1C
Molin	Lovisa	T-1B
Monin	Louise	F-2A
Morales-Reyes	Zebensui	T-3C, F-3B
Moreno-Zárate	Lara	F-3B
Morse	Wayde	F-1B, F-3B
Morzillo	Anita	T-3B
Mueller	Thomas	T-1A
Muriuki	Margaret	F-1A
Muschietti	Coralie	F-2A
Naclerio	Marissa	T-3B
Nelson	Howard	F-1A
Newsom	Amy	F-1B
Nibbelink	Nate	F-3B
Niessner	Dominique	F-3C
Nilsson	Lovisa	T-3C
Noack	Peter	T-1C
Nyman	Madeleine	T-1A, Poster
O` Mahony	Declan T.	T-3A
Okarma	Henryk	T-3A
Olszańska	Agnieszka	T-1B
Opdam	Nina	F-3A
Owens	Jake	W-3C
Pellizzari	Marco	F-1C
Pereira	Joana	T-3A
Pettersson	Hanna	W-1C
Pietrzyk-Kaszyńska	Agata	T-1B
Pirinen	Jenni	Poster
Pohjolainen	Harri-Pekka	T-1A
Quinn	Claire	W-1C
Quirós	Diego	Poster



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Rakonjac	Ljubinko	W-2B
Ranke	Peter Sjolte	T-3C
Reilly	Brian	Poster
Richter	Torsten	F-2B
Ringsby	Thor Harald	T-3C
Rönnbäck	Patrik	F-3C
Rosalino	Luis Miguel	T-3A
Røskift	Eivin	T-3C
Röttger	Christiane	F-3A
Ruiz-Miranda	Carlos	W-3C
Runhaar	Hens	Poster
Rutten	Anneleen	Poster
Sait	Steven	W-1C
Sallows	Tim	F-1A
Salvatori	Valeria	F-2A
Sampedro Ortega	Yolanda	T-2A
Sanchez Fabian	Jose Angel	T-2A
Sandroni	Laila	W-1C
Sandström	Camilla	W-3B, T-1A, F-3A
Santos	Maria João	T-3A
Schmack	Julia	T-1C
Schmidt	Julia	Poster
Schultner	Jannik	T-3C
Sebesvari	Zita	F-1B
Selvaag	Sofie	T-1B
Senbeta	Feyera	T-3C
Shi	Danyang	Poster
Short	Anne	T-3B
Siebert	Ursula	Poster
Sjoelander-Lindqvist	Annelie	F-3A
Smith	Bethany	T-2A
Soliño	Mario	T-3A
Solís	Hellen	Poster
Søndergaard Jensen	Frank	T-1A
Soulsbury	Carl	T-1C

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Stedman	Richard	F-3B
Stensland	Stian	F-3C
Straka	Tanja	T-1C
Strauss	Egbert	Poster
Sullivan	Sian	W-2C
Suresh	Shruti	W-2B
Suryavanshi	Kulbhushansingh	W-2B
Sweet	Fabio	T-1C
Taysse	Laura	T-1A
Thiébaud	Amélie	F-2A
Tickle	Lara	W-3B
Tikkunen	Mari	Poster
Toncheva	Svetoslava	W-1C
Trewby	Iain	T-2A
Tumurbaatar	Batbaatar	T-2A
Turiño	María	T-2A
Uber	Alex	F-1B
Van Buskirk	Amanda	T-3B
van den Heuvel	Lotte	F-3C
van Koppen	Kris	W-2A
Ventura	Maria	F-1B
Verschuuren	Bas	W-2A
Villafuerte	Rafael	T-3C, F-3B
Vollaard	Ben	W-2A
von Essen	Erica	T-3B
von Korff	Yorck	F-2A
von Ruschkowski	Eick	F-2B
Waldo	Åsa	T-3A
Waters	Sian	W-3C
Weisser	Wolfgang	T-1C
Whitehouse-Tedd	Katherine	T-2A, F-3A
Wiersum	Freerk	W-2A
Wierzbowska	Izabela A.	T-3A
Willink Castro	Teodoro	Poster
Yarnell	Richard	T-2A
Young	Juliette	F-2A
Zimmermann	Silja	T-3B

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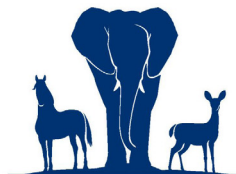


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