



*Life*  
**WITH  
BEARS**

**26<sup>th</sup>** INTERNATIONAL CONFERENCE ON  
BEAR RESEARCH & MANAGEMENT

Human-bear coexistence in human dominated and politically fragmented landscapes.

**CONFERENCE  
INFORMATION &  
PROGRAMME**

Ljubljana, Slovenia 16 - 21 September 2018  
Conference Venue: The Grand Hotel Union



[www.lifewithbears.eu](http://www.lifewithbears.eu)  
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# CONTENTS

<b>CONFERENCE ORGANIZATION</b>	<b>4</b>
ORGANIZING COMMITTEE	4
SCIENTIFIC PROGRAM COMMITTEE	4
Conference host - project LIFE DINALP BEAR	5
<b>SCIENTIFIC THEMES</b>	<b>6</b>
<b>INVITED SPEAKERS</b>	<b>8</b>
<b>WORKSHOPS</b>	<b>10</b>
<b>SUNDAY, Sep. 16th 2018</b>	<b>11</b>
BEARTREK documentary	11
ICEBREAKER	11
<b>MONDAY, Sep. 17th 2018</b>	<b>12</b>
<b>TUESDAY, Sep. 18th 2018</b>	<b>15</b>
STUDENT LUNCH	17
BEAR-FRIENDLY MARKET	17
PUBLIC PRESENTATION	18
<b>WEDNESDAY, Sep. 19th 2018</b>	<b>19</b>
<b>THURSDAY, Sep. 20th 2018</b>	<b>20</b>
GALA DINNER	22
SILENT AUCTION	22
<b>FRIDAY, Sep. 21st 2018</b>	<b>23</b>
BEST PRESENTATION AWARDS	25
<b>CONFERENCE CITY</b>	<b>26</b>
EUROPEAN GREEN CAPITAL	26
USEFUL INFORMATION	27
MOVING AROUND THE CITY	27
<b>CONFERENCE VENUE</b>	<b>28</b>
REGISTRATION	28
<b>ORGANIZERS OFFICE</b>	<b>29</b>
<b>PRESENTATION GUIDELINES</b>	<b>30</b>
<b>LANGUAGE</b>	<b>31</b>
<b>WIFI INTERNET ACCESS</b>	<b>31</b>
<b>CONFERENCE PROGRAMME in brief</b>	<b>32</b>
<b>SPONSORS</b>	<b>33</b>
<b>CONFERENCE PARTNERS</b>	<b>33</b>
<b>NOTES</b>	<b>34</b>



# CONFERENCE ORGANIZATION

## ORGANIZING COMMITTEE

Chair person: **Aleksandra Majić Skrbinšek**, researcher at Biotechnical Faculty, University of Ljubljana  
Co-chair: **Urška Marinko**, researcher at Biotechnical Faculty, University of Ljubljana  
Co-chair: **Rok Černe**, project coordinator and senior advisor at Slovenia Forest Service  
Co-chair: **Klemen Jerina**, professor at Biotechnical Faculty, University of Ljubljana

**Ivan Kos**, professor at Biotechnical Faculty, University of Ljubljana  
**Franč Kljun**, technician at Biotechnical Faculty, University of Ljubljana  
**Hubert Potočnik**, researcher at Biotechnical Faculty, University of Ljubljana  
**Maja Jelenčič**, researcher at Biotechnical Faculty, University of Ljubljana  
**Tomaž Skrbinšek**, assistant professor at Biotechnical Faculty, University of Ljubljana  
**Irena Kavčič**, researcher at Biotechnical Faculty, University of Ljubljana  
**Miha Krofel**, assistant professor at Biotechnical Faculty, University of Ljubljana  
**Danijel Borkovič**, technician at Biotechnical Faculty, University of Ljubljana  
**Tomaž Berce**, independent advisor at Slovenia Forest Service  
**Matej Bartol**, advisor at Slovenia Forest Service  
**Matija Stergar**, senior advisor at Slovenia Forest Service  
**Marko Jonozovič**, head of department at Slovenia Forest Service  
**Meta Mavec**, technician at Biotechnical Faculty, University of Ljubljana

## SCIENTIFIC PROGRAM COMMITTEE

Committee coordinator: **Aleksandra Majić Skrbinšek**, University of Ljubljana, Biotechnical Faculty, Biology Department, Ljubljana, Slovenia  
**Alexandros A. Karamanlidis**, ARCTUROS, Civil Society for the Protection and Management of Wildlife and the Natural Environment, Aetos, Greece & Rewilding Europe, Nijmegen, The Netherlands  
**Anja Molinari Jobin**, Italian Lynx Project, Tarvisio, Italy  
**Claudio Groff**, Servizio Foreste e Fauna – Provincia Autonoma di Trento, Italy  
**Đuro Huber**, Biology Department, Faculty of Veterinary Medicine, University of Zagreb, Croatia  
**Frank T. van Manen**, U.S. Geological Survey, Northern Rocky Mountain Science Center, Interagency Grizzly Bear Study Team, Bozeman, Montana, USA  
**Ivan Kos**, University of Ljubljana, Biotechnical Faculty, Biology Department, Ljubljana, Slovenia  
**Georg Rauer**, Research Institute of Wildlife Ecology, University of Veterinary Medicine Vienna, Austria  
**Klemen Jerina**, University of Ljubljana, Biotechnical Faculty, Forestry Department, Ljubljana, Slovenia  
**Marta De Barba**, Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, LECA, 38000 Grenoble, France  
**Martyn Obbard**, Ontario Ministry of Natural Resources and Forestry, Peterborough, Ontario, Canada  
**Miha Krofel**, University of Ljubljana, Biotechnical Faculty, Forestry Department, Ljubljana, Slovenia  
**Seth Wilson**, W.A. Franke College of Forestry & Conservation – University of Montana, Missoula, MT, USA and Northern Rockies Conservation Cooperative, Jackson, WY, USA  
**Slaven Reljić**, Biology Department, Faculty of Veterinary Medicine, University of Zagreb, Croatia  
**Rok Černe**, Slovenia Forest Service, Ljubljana, Slovenia  
**Tomaž Skrbinšek**, University of Ljubljana, Biotechnical Faculty, Biology Department, Ljubljana, Slovenia

## CONFERENCE HOST - PROJECT LIFE DINALP BEAR



**Population level management and conservation of brown bears (*Ursus arctos*) in Northern Dinaric Mountains and the Alps** – LIFE DINALP BEAR (LIFE13 NAT/SI/000550) is a transboundary project in which a wide team of experts from four neighbouring countries work close together to improve the coexistence of humans and bears. The project's main objectives are population level monitoring of the brown bear, its management and conservation in northern Dinaric Mountains and in the south-western area of the Alps. Mitigation of human-bear conflicts and the promotion of coexistence and natural expansion of brown bear population from the Dinaric Mountains into the Alps are the key steps toward the long-term conservation of bear population. Objectives are being achieved through coordination and cross-border cooperation of organizations from Croatia, Slovenia, Italy and Austria. Coordinating beneficiary is Slovenia Forest Service, with University of Ljubljana and ERICo Velenje as partner organizations from Slovenia. University of Zagreb (Faculty of Veterinary Medicine) and Autocesta Rijeka-Zagreb are partner organizations from Croatia, University of Veterinary Medicine, Vienna (Research Institute of Wildlife Ecology) from Austria and, The Autonomous Province of Trento, Italian Lynx Project and Veneto Region from Italy. The project is co-financed by the programme LIFE+ Nature and Biodiversity, which is intended for co-financing of projects that contribute to halting the loss of biodiversity within the European Community.

Project beneficiaries responsible for organization of the conference are University of Ljubljana and Slovenia Forest Service.

**Web:** [Dinalpbear.eu](http://Dinalpbear.eu)

**Twitter:** @DinalpBear

**Facebook:** @dinalpbear

University of Ljubljana



ZAVOD za GOZDOVE  
SLOVENIJE

Slovenia Forest Service

# SCIENTIFIC THEMES

- **BEAR PHYSIOLOGY**

Bear physiology, including metabolism, endocrinology and reproduction physiology, especially related to stress stimuli and hibernation.

- **BEAR ECOLOGY AND BEHAVIOUR**

Bear ecology and behaviour, including intraspecific and interspecific interactions, bears' role in ecosystems, scent marking, foraging behaviour, and activity patterns.

- **SPATIAL REQUIREMENTS AND DEMOGRAPHIC CHARACTERISTICS OF BEAR POPULATIONS**

Bear species spatial requirements and habitat use, especially those highlighting solutions for improving functional connectivity among populations. Recent research findings on demographic characteristics of bear populations, especially those that increase our understanding of how humans indirectly impact bear population demographics.

- **BEAR HUNTING**

Direct and indirect effects of bear hunting on bear demography, life history traits, habitat selection and behaviour, and also on acceptance of bears among hunters.

- **MOLECULAR GENETICS IN BEAR CONSERVATION MANAGEMENT**

Findings and technical advances in molecular genetics, relevant for understanding biology and improving conservation and management of bears. The emphasis will be on new approaches, "thinking out of the box" and state-of-the-art methods and developments, but also on best practice examples and reports from understudied populations.

- **HUMAN-BEAR INTERACTIONS AND CONFLICT MANAGEMENT INCLUDING PROBLEM BEAR MANAGEMENT**

Session welcomes studies on conflicts and other human-bear interactions, including livestock depredations, crop damage and human safety issues.

- **CONS AND PROS OF ARTIFICIAL FEEDING & IMPACTS OF ANOTHER ANTHROPOGENIC FOOD SOURCES ON BEARS**

Various direct and indirect impacts of artificial feeding of wildlife on bears, their behaviour, importance for bear monitoring and management, as well as on acceptance of bears among hunters and other stakeholder groups.

- **PUBLIC OUTREACH, COMMUNICATION AND COMMUNITY BASED CONSERVATION OF BEARS**

The session will explore current research findings and relevant case studies focused on public outreach and general communication strategies involving bear conservation and management. This session will also explore the theme of communication and decision-making (governance) processes as it relates to community-based conservation of bears. Additionally, this session will entertain submissions that investigate baseline studies of public values and knowledge and acceptance levels of bears that help improve communication practices for innovative approaches, management, or projects focused on bear conservation.

- **WORKING WITH PEOPLE TO ACHIEVE BEAR CONSERVATION GOALS**

Effectively listening to people, understanding their beliefs, attitudes, values, behavioural intentions and behaviours is essential for bear management. We welcome research and applied studies that involve interest groups in decision-making, explore the social and economic complexity of human-bear interactions, involve volunteers and citizen science to aid in better bear management, and works that illustrate how better understanding the human dimensions of bear management contributes to better bear conservation.

- **USE OF BEARS IN ECOTOURISM**

Findings and case studies on how increasing trend of non-consumptive use of bears in ecotourism is impacting bear conservation and management, both in positive and negative ways, is it a threat or an opportunity for conservation? We also welcome experiences of measures used to mitigate negative effects of bear-watching and other bear-related ecotourism.

- **EX SITU CONSERVATION**

Ex situ bear conservation, including the implications for conservation and research of bear populations "in situ".

- **BEARS AND CLIMATE CHANGE**

Impacts of climate change for all bear species conservation including the impacts of climate change on bear habitats, food sources and behaviour as well as the role of polar bears as a flagship species for the impacts of climate change on biodiversity conservation.

- **OTHER**

Recent research findings and managerial case studies relevant to conservation and management of bears and not covered by the above topics.

# INVITED SPEAKERS

## **ANDRÉS ORDIZ**

Andrés Ordiz is a biologist born in Asturias, northern Spain. Since 1997, he has worked with large carnivores, mainly brown bears and wolves, in southern and northern Europe. He completed his PhD in Conservation Biology at the Norwegian University of Life Sciences and the University of León (Spain), working with the Scandinavian Brown Bear Research Project. Andrés' has focused his work in the last decade on brown bear behavioural reactions to human activities and on inter-specific interactions between apex predators (bears and wolves). He hopes that scientifically-sound research will be the base for conservation-oriented management of large carnivores, both in areas where their populations are currently increasing and where they are still in the brink of extinction.

## **DJURO HUBER**

Since 1981 Djuro Huber is conducting a brown bear study in Croatia, which in 1996 expanded to the "Study of large carnivores in Croatia" and included bear, wolf and lynx. In addition to radio-telemetry, many morphological, physiological, nutritional and genetic aspects are included in the research. So far he was conducting 18 different projects and published 165 scientific papers. He is member of all relevant national and international professional organizations like IUCN SSGs for Bears, Canids, and Veterinary Medicine, International Association for Bear Research and Management, Large Carnivore Initiative for Europe, Wildlife Disease Association. Djuro Huber is currently professor emeritus at Biology Department of the Veterinary Faculty in Zagreb.

## **JOHN LINNELL**

John Linnell is a senior researcher at the Norwegian Institute for Nature Research, based in Trondheim, Norway. His research focus adopts multiple disciplinary approaches to understand the complex relationships between humans and wildlife, with a special focus on large carnivores and large herbivores. He has worked on research and conservation projects in many parts of Europe, including Scandinavia, the Baltic States and the western Balkans, as well as south America (Brazil), and central (Kazakhstan and Turkmenistan) and southern Asia (India and Myanmar). His research focus is currently moving from the study of human wildlife conflicts to the study of human wildlife coexistence, with a focus on exploring the ecological, institutional and social factors that allow wildlife and humans to share space in multi-use landscapes.

## **TOM S. SMITH**

Dr. Tom S. Smith began a career in bear biology in 1992 when hired as a research ecologist for Katmai National Park, Alaska. Research topics at the time included brown bear ecology, human-bear interactions and bear safety research. Working jointly with Dr. Stephen Herrero, Smith has co-authored papers on human-bear conflict including the efficacy of bear deterrents and histories of bear conflict in North America. In the early 2000s, as a USGS research scientist, Smith began work with polar bears, focusing on denning ecology and human-bear interactions on Alaska's North Slope. Working closely with Polar Bears International, his studies of denned polar bears continues to present. Most recently, he has been studying sloth bear-human conflict in India with colleagues at India's Wildlife SOS. Smith currently serves as a member of the Polar Bear Conflict Work Group and as a professor of wildlife at Brigham Young University, Utah.

## **VALERIA SALVATORI**

Wildlife conservation, applied research and management are the main interests of Valeria Salvatori. She has worked in international environments collaborating with foreign research institutes since 1992, gathering working experience in South America, Africa, Central and Western Europe. Spatial analyses of environmental processes, mainly wildlife management, policies and conflicts between wildlife and local communities are the subjects of her latest working activities. She has extensive experience in evaluating, elaborating and managing LIFE projects on large carnivores. She acted as project coordinator for the following LIFE projects: LIFE COEX, LIFE ARCTOS, LIFE IBRIWOLF, LIFE MEDWOLF and provided consultancy for LIFE WOLFALPS. Her current position at Istituto di Ecologia Applicata in Rome, Italy is project responsible for the service contract with the EU for establishing local stakeholder platforms for promoting coexistence with large carnivores.

## **RACHEL HOFFMANN**

Rachel is the Director of Conservation Outcomes with the International Union for Conservation of Nature's (IUCN) Species Survival Commission (SSC). She has been working with the SSC for over 9 years, managing this unique and exceptional network (of approx. 7,000 volunteer experts) to reduce the loss of biodiversity on earth and prevent species extinctions. The extraordinary potential of the SSC to have a significant impact on species conservation at the global scale is often mooted, but has never been measured or evaluated. For example, would bear conservation be any different if the Bear Specialist Group had never been established? With these questions in mind, the SSC is now looking to better evaluate its effectiveness, not only to better celebrate successes but to create a more positive vision to drive our conservation efforts in the future.

Workshops at the 26th IBA conference “Life with bears” are aimed at encouraging interaction and discussions among participants, transposing of new (or wrapping up old) ideas, views and topics, relevant for either research or management of bears.

The main theme of the Ljubljana IBA conference is human-bear coexistence in human dominated and politically fragmented landscapes, therefore the topics of the workshop that are directly or indirectly related with this main theme.

Note that workshops are available only to the registered conference participants. Conference participants can register for up to two (out of four) workshops as they are organized in two parallel sessions.

## WORKSHOP SESSION I

### 1. Joining forces - how to make ex situ research more available and beneficial for in situ conservation of brown bears

Host: Lydia Kolter

Keynote speakers: Lydia Kolter, Jose Kok, Andreas Zedrosser

### 2. Developing guidelines for monitoring bears in the human-dominated and politically fragmented landscapes of Southeast Asia

Host: Brian Crudge

## WORKSHOP SESSION II

### 1. Bear personalities – Implications of among-individual behavioral variation and how to quantify them

Host: Lydia Kolter

Keynote speakers: Lydia Kolter, Jose Kok, Andreas Zedrosser

### 2. Implementing robust and cost-effective genetic monitoring of brown bear population size

Workshop organizer: DINALPBEAR

Host: Tomaž Skrbinšek, LIFE DINALP BEAR project

Keynote speakers: Tomaž Skrbinšek and Marta De Barba



Registration opens @11:00

8:30 - 17:00	IBA Council Meeting (Silver Hall @ Grand hotel Union)
14:00 - 15:30	BEARTREK documentary screening (Kinoteka, Miklošičeva cesta 28)
18:00 - 21:00	Welcoming Event – Icebreaker (Švicarija @ Tivoli Park)

## BEARTREK DOCUMENTARY

16th September, 14:00. at Kinoteka, Miklošičeva cesta 28, Ljubljana

You are invited to a screening of BEARTREK documentary that follows renowned bear biologist and conservationist Chris Morgan on a global crusade to four continents to understand and conserve the rarest bears on earth. BEARTREK was born on the back of motorcycle. A decade ago, British ecologist Chris Morgan set out on a mission to discover and protect the world’s most loved – and often feared – carnivore. Incredibly moved, Chris became determined to educate people about the basic truth he had discovered: what’s good for bears is good for people and the planet.

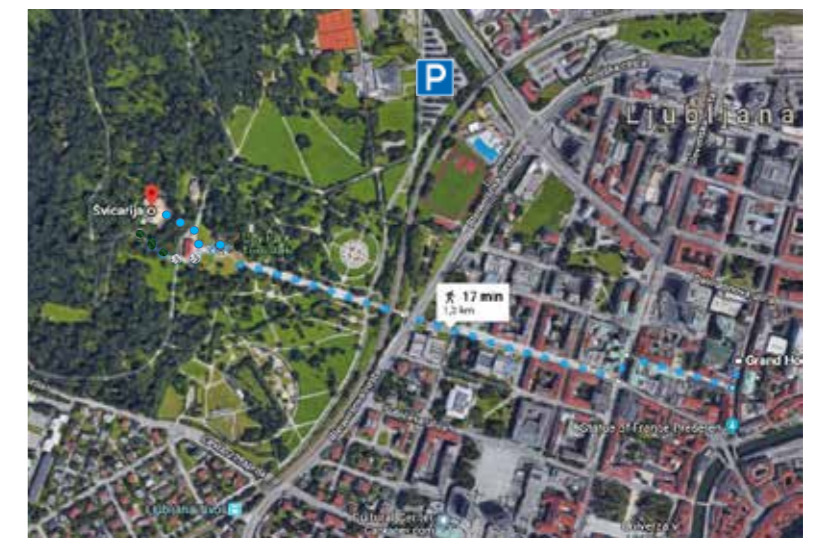
BEARTREK documents his motorcycle odyssey to some of the wildest places on earth – from the biggest bears on earth, to the smallest. Showcasing beautiful cinematography and driven by stories of individuals who have devoted their lives to protect these magnificent creatures.

## ICEBREAKER

16th September, 18:00 p.m.

The first opening event of 26th IBA conference “Life with bears” will be Icebreaker hosted by Švicarija located in the main Ljubljana Park Tivoli. Švicarija is located 15 minutes walk through the pedestrian zone and Tivoli Park from the conference venue. Group departures are planned from Grand Hotel Union Business (Miklošičeva ulica 3) at 17:30, 17:35 and 17:40.

Participants with mobility issues please contact organizers at [registration@go-mice.eu](mailto:registration@go-mice.eu). We will provide suitable transport.



For participants arriving to Ljubljana with cars, you can leave your car at the parking area @ Celovška cesta 3. Parking there is free of charge on Saturdays and Sundays.

# MONDAY, Sep. 17th 2018

Registration opens @8:00

9:00 - 9:25	Welcome from the Local Organizing Committee and IBA President (Union Hall @ Grand hotel Union)		
	<ul style="list-style-type: none"> <li>Aleksandra Majič Skrbinšek, University of Ljubljana, chair of the 26th IBA Conference</li> <li>Tanja Bolte, Ministry of Environment and Spatial Planning, General Director of the Environment Directorate</li> <li>Andreas Zedrosser, President of the International Association for Bear Research and Management</li> </ul>		
9:25 - 10:15	Opening session		
Invited	9:25 - 9:45	Rok Černe	Project LIFE DINALP BEAR - Population level management and conservation of brown bear in Northern Dinaric Mountains and the Alps (no abstract)
Invited	9:45 - 10:15	Valeria Salvatori	EU LIFE programme contribution to bear conservation
10:15 - 12:20	Session: Human-bear interactions and management I – Co -chairs: Andrea Morehouse and Rok Černe		
88	10:15 - 10:30	<u>Jon Swenson</u> , Michael Schneider, Andreas Zedrosser, Arne Söderberg, Robert Franzén, Jonas Kindberg	Challenges of managing a European brown bear population; lessons from 70 bears of bear management in Sweden
82	10:30 - 10:45	<u>Anne Hertel</u> , Andreas Zedrosser, Kindberg Jonas, Ola Langval, Jon E. Swenson	Soft mast production drives life history traits but not human-bear conflicts in Scandinavian brown bears
10:45 - 11:20	Coffee Break		
144, speed talk	11:20 - 11:30	<u>Brian Crudge</u> , Thona Lim	Factors driving bear hunting in Cambodia
58, speed talk	11:30 - 11:40	<u>Jernej Javornik</u> , Martina Burnik Šturm, Tomaž Skrbinšek, Marko Jonozovič, Klemen Jerina	What can stable isotopes tell us about the diet of conflict bears in Europe: a case study on Slovenian brown bear
125, speed talk	11:40 - 11:50	<u>Patricia M. Graf</u> , Dejan Bordjan, Urša Fležar, Frowin Feurstein, Klemen Jerina	Meat or veg? Food preference of brown bears at artificial feeding sites
114, speed talk	11:50 - 12:00	<u>Maria Petridou</u> , Yorgos Iliopoulos, Maria Psaralexi, Alexis Giannakopoulos, Constantina Tsokana, Eirini Chatzimichail, Victoria Saravia, Yorgos Lazaros, Thanos Tragos, Yannis Tsaknakis, Yorgos Mertzanis	Dead dogs can't guard: poisoned baits undermine a human-brown bear conflict resolution tool in Greece

129, speed talk	12:00 - 12:10	<u>Robin Rigg</u> , Michal Haring, Andreas Zedrosser	Investigating bear attacks on humans in Slovakia
149, speed talk	12:10 - 12:20	<u>Wesley Larson</u> , Tom Smith, Geoffrey York	Human Interaction and Disturbance of Denning Polar Bears on Alaska's North Slope
12:20 - 13:50	Break for lunch		
13:50 - 17:30	Session: Bears and Society – Co-chairs: Aleksandra Majič Skrbinšek and Seth Wilson		
Invited	13:50 - 14:20	John D.C. Linnell	Coexistence: what is it, and how do we get there?
203	14:20 - 14:35	<u>Lucy Rogers</u> , Cheryl Morse	Wildlife Values of Conservation Professionals: A Case Study of Bear Researchers and Managers
198	14:35 - 14:50	<u>Ole-Gunnar Støen</u> , Jens Frank, Anders Flykt, Maria Johansson	Combining ecology and psychology in developing interventions for humans to handle fear of bears
167	14:50 - 15:05	Seth Wilson	What can we learn from past reintroduction efforts?
89	15:05 - 15:20	<u>Stefanie Franke</u> , Sven Brunberg, Andreas Zedrosser	The effect of a bear-caused accident on the perception of brown bears by wildlife park visitors
26	15:20 - 15:35	<u>Edgars Bojārs</u> , Agrita Žunna, Jānis Ozoliņš, Guna Bagraade, Valdo Kuusemets	Is the brown bear wanted in Latvia?
15:35 - 16:10	Coffee break		
236, speed talk	16:10 - 16:20	<u>Pierre-Yves Quenette</u> , Santiago Palazon, Ivan Afonso, Ramon Jato, Jordi Sola, Rubén Artazkotz Colomo, Marko Jonozovič, Antoni Batet, Jean-Jacques Camarra, Jérôme Sentilles, Cécile Vanpé	Doing together in a fragmented administrative landscape: 20 years of brown bear conservation in Pyrenees
228, speed talk	16:20 - 16:30	<u>Urška Marinko</u> , Aleksandra Majič Skrbinšek	Building, implementing and evaluating communication plan in bear conservation: LIFE DINALP BEAR project case study

# TUESDAY, Sep. 18th 2018

215, speed talk	16:30 - 16:40	<u>Aleksandra Majić Skrbinšek</u> , Borut Kokalj, Tomaž Skrbinšek, Urška Marinko, Roman Luštrik	Bears through the eyes of the media: how different events in the society and understanding of the bear population influenced media reporting about bears in Slovenia between 2002 and 2016
151, speed talk	16:40 - 16:50	<u>Jasmin Pašić</u> , Igor Trbojević	Integrating the results of a baseline survey into future Brown bear management and conservation measures in Bosnia and Herzegovina
72, speed talk	16:50 - 17:00	<u>Hüseyin Ambarli</u> , Linas Balčiauskas, Laima Balčiauskienė, Guna Bagrade, Martynas Kazlauskas, Janis Ozoliņš, Diana Zlatanova, Agrita Žunna	Brown bear acceptance by teenagers over countries with different status of the species
231, speed talk	17:00 - 17:10	<u>Clara Tattoni</u> , Jorge E. Araña Padilla	Potential benefits of brown bear eco-tourism in the South Eastern Alps
180, speed talk	17:10 - 17:20	<u>Irena Kavčič</u> , Aleksandra Majić Skrbinšek, Djuro Huber, Slaven Reljić	Maximizing community involvement and sense of ownership in bear-based tourism products - experiences from LIFE DINALP BEAR project
50, speed talk	17:20 - 17:40	Jason Rupp	Bear Viewing Best Practices and Challenges Faced in Chinitna Bay, Alaska (Lake Clark National Park and Preserve)
17:40 - 19:00	Break for dinner		
19:00 - 21:00 (concurrent)	Workshop 1: Joining forces - how to make ex situ research more available and beneficial for in situ conservation of brown bears (@Union Hall)		
	Workshop 2: Developing guidelines for monitoring bears in the human-dominated and politically fragmented landscapes of Southeast Asia (@Silver Hall)		

8:30 - 8:35	Announcements		
8:35 - 14:50	Session: Bear ecology, behaviour and physiology – Chairs: Miha Krofel, Mei-Hsiu Hwang, and Anja Molinari-Jobin Student chairs: Zoe Makridou, Anthony Seveque, and Fakhar Abbas		
Invited	8:35 - 9:05	<u>Andrés Ordiz</u>	Overview of human effects on bear behavior in human-dominated landscapes
202	09:05 - 9:20	<u>Kamil Bartoń</u> , Nuria Selva	Long range dispersal by bears – perception, navigation and mental maps
73	09:20 - 9:35	<u>Russ Van Horn</u> , James Sheppard, Jovan Alamilla, Nicholas Pilfold, Robyn Appleton, Ron Swaisgood, Megan Owen	Do Andean bears ( <i>Tremarctos ornatus</i> ) in the tropical dry forest of NW Peru use the most efficient routes to travel between areas of food resources?
30	09:35 - 9:50	<u>Dusit Ngoprasert</u> , Kriangsak Sribuarod, Robert Steinmetz, George Gale	Density and temporal overlap of Asiatic black bears and sun bears in a tropical forest
223	09:50 - 10:05	<u>Michaela Skuban</u> , Slavomir Findo, Matus Kajba	Bears napping nearby: Daybed selection by brown bears ( <i>Ursus arctos</i> ) in human dominated landscape
14	10:05 - 10:20	<u>Cam McClelland</u> , Nicholas Coops, Scott Nielsen, Gordon Stenhouse	Using remote sensing to understand grizzly bear movement in relation to regional phenology of important vegetative foods
10:20 - 10:50	Coffee break		
154	10:50 - 11:05	<u>Marta De Barba</u> , Camille Beaumelle, Christian Miquel, Claudio Groff, Pierre Taberlet, Eric Coissac	Feeding ecology of a small brown bear population in the human dominated Alpine environment using DNA metabarcoding
85	11:05 - 11:20	<u>Maximilian Allen</u> , Mark Elbroch, Christopher Wilmers, Heiko Wittmer	The comparative effects of large carnivores on the acquisition of carrion by scavengers
141	11:20 - 11:35	<u>Frank van Manen</u> , Michael Ebinger, David Gustine, Mark Haroldson, Katherine Wilmot, Craig Whitman	Elk hunting in Grand Teton National Park does not attract grizzly bears from surrounding areas.



156	11:35 - 11:50	<u>Shane Frank</u> , Janine Rietz, Andreas Zedrosser, Essi Zirk, Jack Beardsley, Jon Swenson, Sam Steyaert	Human impact on endozoochorous seed dispersal by Scandinavian brown bears
10	11:50 - 12:05	<u>Sam Steyaert</u> , Estrella Zirk, Janine Rietz, Anne Hertel, Jack Beardsley, Shane Frank, Andreas Zedrosser, Jon Swenson	Brown bears facilitate sexual reproduction in clonal keystone plant species of the boreal forest
237	12:05 - 12:20	<u>Melanie Clapham</u> , Ed Miller, Mary Nguyen	Developing automated face recognition technology for noninvasive monitoring of brown bears ( <i>Ursus arctos</i> )
69	12:20 - 12:35	<u>Andrea Morehouse</u> , Anne Loosen, Tabitha Graves, Mark Boyce	Rubbing behaviour and fitness in grizzly bears
12:35 - 13:55	Break for lunch – Student Lunch		
43, speed talk	13:55 - 14:05	<u>Sean Kearney</u> , Nicholas Coops, Sean Coogan, Gordon Stenhouse	Disentangling grizzly bear responses to natural and anthropogenic disturbance using EcoAnthromes
232, speed talk	14:05 - 14:15	<u>Akino Inagaki</u> , Tetsuya Maruyama, Kahoko Tochigi, Koji Yamazaki, Shinsuke Koike	The importance of Asian black bear <i>Ursus thibetanus</i> as scavenger in Japan
93, speed talk	14:15 - 14:25	<u>Miha Krofel</u> , Ivan Kos, Hubert Potočnik, Klemen Jerina	Interactions among large carnivores in Dinaric forest ecosystem in Slovenia
51, speed talk	14:25 - 14:35	<u>Kahoko Tochigi</u> , Koji Yamazaki, Chinatsu Kozakai, Tomoko Naganuma, Shinsuke Koike	Impact of beechnut masting on reproductive success of Asian black bear
158, speed talk	14:35 - 14:45	<u>Eva Filipczykova</u> , Wouter Hantson, Elvis Castillo, Rodrigo Cisneros, Luis Román, Sam Steyaert	Functional significance of scent marking in Andean bears: first results
27, speed talk	14:45 - 14:55	<u>Yaduraj Khadpekar</u> , John Whiteman, Barbara Durrant, Megan Owen, Sant Prakash	Do sloth bear females experience pseudopregnancy?
42, speed talk	14:55 - 15:05	<u>Jacopo Morelli</u> , Angela Briganti, Đuro Huber, Boris Fuchs, Alina Lynn Evans, Jon Martin Arnemo	Comparison of two non-invasive blood pressure monitoring techniques in chemically immobilized free-ranging brown bears ( <i>Ursus arctos</i> )

15:05 - 15:35	Coffee break		
15:35 - 16:50	Session: Bears and climate change – Chair: Nuria Selva Student chair: Stefanie Franke		
91	15:35 - 15:50	<u>Andrew Derocher</u>	Climate change and polar bear life history vulnerabilities
170	15:50 - 16:05	Martyn Obbard	Evidence for effects of climate warming on polar bears in Canada: a review
145	16:05 - 16:20	<u>Pablo M. Lucas</u> , Jörg Albrecht, Maya Guéguen, Nuria Selva, Wilfried Thuiller, Marta De Barba	Direct and indirect impacts of climate change and land use change over biodiversity: a case of study with the brown bear in Europe
13	16:20 - 16:35	<u>Ethan Berman</u> , Nicholas Coops, Gordon Stenhouse	Linking fine scale temporal and spatial snow cover to grizzly bear behavior post-den emergence in core habitats of Alberta, Canada
98	16:35 - 16:50	<u>David Garshelis</u> , Andrew Tri, Spencer Rettler, Brian Dirks	Adaptations to climate warming by denning American black bears?
16:50 - 18:25	Break for dinner – Bear friendly market (concurrent)		
18:25 - 19:55	Poster Session @Glass Hall – Bear friendly market (concurrent)		
20:00 - 21:00	Public presentation @Union Hall – Bear friendly market (concurrent)		
20:00 - 21:30	IUCN Bear Specialist Group's Human-Bear Conflicts Expert Team Meeting @Silver Hall		

## STUDENT LUNCH

18th September at the conference venue during lunch

During the conference the students are invited to attend “The student lunch». A social event where students and IBA council members share a meal together so the students can ask questions to the IBA Council members and hear what it is like to be on the Council.

## BEAR-FRIENDLY MARKET

18th September, 16:45 in Garden Hall of The Grand Hotel Union, open for public. Visitors are kindly asked to use entrance from Nazorjeva ulica 2.

Bear friendly label was designed within LIFE DINALP BEAR project to award practices that use appropriate conflict mitigation measures and promote coexistence between bears and humans. Bear friendly practices

include effective protection of livestock, beehives and orchards or active promotion of bear conservation with different bear souvenirs. Bear friendly market provides conference participants with an opportunity to meet bear friendly ambassadors and support their contribution to bear conservation by purchasing local bear friendly products.

## **PUBLIC PRESENTATION**

*»Polar bears and the changing Arctic« by Andrew E. Derocher*

*18th September, 20:00 in the Union Hall of the Grand Hotel Union, open for public. Visitors are kindly asked to use entrance from Nazorjeva ulica 2.*

Both conference delegates and interested public are invited to attend this exceptional evening event.

Polar bears captivate the public like few other species: a white bear that lives in a frozen world. Capable of enduring months of total darkness during the frigid polar night and then the searing brightness of the midnight sun through the brief Arctic summer, polar bears have become the poster species for climate change. Unlike other bears that have seen massive habitat loss in the last century, habitat loss as a threat to polar bears only emerged as the climate has warmed. As a habitat specialist relying on sea ice, polar bears are best viewed as a marine mammal dependent on access to the blubber of seals to survive. This hugely rich energy source allows the bears to live a life of feast and famine. Polar bears have become an "inconvenient species" because the threat to them is so easy to understand but so difficult to fix: without sea ice, there are no ice bears.

Andrew Derocher is originally from Vancouver, Canada and completed a B.S. in Forest Biology (Hon.) at the University of British Columbia before migrating to Edmonton where he obtained a M.Sc. and Ph.D. in Zoology from the University of Alberta. After graduating, he worked with Environment Canada and then was the polar bear research scientist at the Norwegian Polar Institute (1996-2002) living north of the Arctic Circle in Tromsø before returning to Canada to his current position as a Professor of Biological Sciences at the University of Alberta. He is the past-chairman of the IUCN/SSC Polar Bear Specialist Group and a member since 1996. His research over the past 35 years has focused on polar bears in the Canadian Arctic, western Russia, and Svalbard, Norway. Dr. Derocher has published over 130 peer-reviewed papers on polar bears. He is the author of *Polar Bears: A Complete Guide to their Biology and Behavior* published in 2012 by Johns Hopkins University Press.

## MID-CONFERENCE EXCURSIONS

18:00-20:00

BSG business meeting @White Hall



# THURSDAY, Sep. 20th 2018

8:30 - 8:40	Announcements		
8:40 - 11:35	Session: Human-bear interactions and management II – Co-chairs: Konstantin Tirronen and Klemen Jerina		
Invited	8:40 - 9:10	Tom Smith	Chronicling Human-Bear Conflict: Commentary and Caveats
135	09:10 - 9:25	<u>Luc Le Grand</u> , Neri Horntvedt Thorsen, Boris Fuchs, Jon Martin Arnemo, Alina Lynn Evans, Solve Sæbø, Ole-Gunnar Støen	The behavioural and physiological response of brown bears to experimental hunts and human encounters
79	09:25 - 9:40	Adrienne Gastineau	Identifying factors associated with hotspots of depredation on livestock by brown bears in Western Europe. Producing risk maps to help mitigating human-carnivore conflicts.
3	09:40 - 9:55	<u>Courtney Hughes</u> , Scott Nielson	Ongoing Acrimony in Alberta Grizzly Bear Recovery
9:55 - 10:25	Coffee Break		
160, speed talk	10:25 - 10:35	<u>Eva Filipczykova</u> , Sam Steyaert, Elvis Castillo, Rodrigo Cisneros, Luis Román, Wouter Hantson	Assessment of Andean bear-human conflict through risk mapping
225, speed talk	10:35 - 10:45	<u>Giulia Bombieri</u> , Javier Naves, María del Mar Delgado, Alberto Fernández-Gil, José Vicente López-Bao, Nuria Selva, Carlos Bautista, et al.	Brown bear attacks on humans: a worldwide overview
5, speed talk	10:45 - 10:55	<u>Michael Proctor</u> , Wayne Kasworm, Grant MacHutchon, Gillian Sanders, James Barber, Clayton Lamb, Nancy Newhouse, Harvey Locke, Chris Servheen	Research, conflict management, and a network of organizations reduces conflict mortality of grizzly bears to reverse conservation decline of threatened populations in the trans-border region of Canada and USA
67, speed talk	10:55 - 11:05	Jennifer Fortin-Noreus, Karyn Rode	Expert opinion to assess the frequency and impacts of human activities on polar bears

184, speed talk	11:05 - 11:15	<u>Ole-Gunnar Støen</u> , Andrés Ordiz, Veronica Sahlén, Jon M. Arnemo, Solve Sæbø, Glenn Mattsing, Magnus Kristofferson, Sven Brunberg, Jonas Kindberg, Jon E. Swenson	Brown bear ( <i>Ursus arctos</i> ) attacks resulting in human casualties in Scandinavia 1977-2016; management implications and recommendations
212, speed talk	11:15 - 11:25	<u>Rok Černe</u> , Tomaž Berce	Subsidizing and distribution of protection devices is not enough to reduce damages caused by brown bears and grey wolves
241, speed talk	11:25 - 11:30	<u>John Hopkins</u> , Melanie Jackson	Predicting the health of American black bears using their hair
11:35 - 13:00	Break for lunch		
13:00 - 14:20	IBA members meeting @Union Hall		
14:20 - 14:50	Coffee break		
	Session: IUCN Bear Specialist Group: What would have been without us? – Chair: David Garshelis		
Invited	14:50 - 15:20	Rachel Hoffmann	Transforming the discourse in conservation – a focus on the positives
205	15:20 - 15:35	Ozgun Emre Can	What would a world without us be like?
226	15:35 - 15:50	Nishith Dharaiya	If not for the BSG Sloth Bear Expert Team, we might never know
115	15:50 - 16:05	Kartick Satyanarayan (to be presented by Yaduraj Khadpekar)	Sloth bear conservation in India: What would have been without us?
128	16:05 - 16:20	José Kok (to be presented by Lydia Kolter)	Long Term Management Plan for captive Brown Bears in Europe
123	16:20 - 16:35	<u>Annemarie Weegenaar</u> , Agnieszka Sergiel, Koen Cuyten	Is captive bear welfare in Europe improving?
74	16:35 - 16:50	<u>Djuro Huber</u> , John D. C. Linnell, Luigi Boitani	The role of continental scale institutions in European bear recovery

# FRIDAY, Sep. 21st 2018

(no abstract)	16:50 - 17:05	Dajun Wang	Would a world without panda conservation be a world without pandas?
17:05 - 19:30	Free time		
19:30 - 23:00	Gala dinner@Union Hall		

## GALA DINNER

20th September, 19:30 in the Union Hall of The Grand Hotel Union

The main social event of IBA conferences is Gala dinner which will be hosted by Grand Hotel Union, Hotel & Conference Centre. The hotel built in Art Nouveau style, first opened its doors in 1905 as a first modern hotel in Ljubljana at the time. Today, this 4-star hotel and conference centre offers an exclusive accommodation in the heart of the city centre, overlooking Prešeren Square, the Triple Bridge and the Ljubljana Castle. Gala dinner will be prepared by the team of the hotel's Head Chef, Janez Dolšak. Their culinary story is built by using local and fresh ingredients, combining them to create a unique gourmet experience. The unique culinary delight is wrapped up with a variety of Slovenian wines and beautifully presented desserts, made in the hotel confectionery.

Cultural program of this event should remain a secret until the dinner...

## SILENT AUCTION

20th September during Gala dinner in the Union Hall of The Grand Hotel Union

During the conference IBA students raise money for student conference activities via a Silent Auction.

So, as you are packing for the IBA conference please remember to bring an item for the Silent Auction. Items that are unique and/or locally made in your country/region are usually the most coveted items by bidders. Items tend to be bear-related but outdoor gear, services, and other items are also welcome.

Please do not bring bear parts and check to make sure item/contents is not banned from import/export (e.g. wood, rock, alcohol) before bringing them.

Also don't forget to bring some money to bid on items to support the students.

9:00 - 9:10	Announcements		
Invited	9:10 - 9:40	Djuro Huber, Mike Pelton, Al LeCount	Half a century of IBA Conferences – an illustrated evolution
9:40 - 12:20	Session: Spatial requirements and demographic characteristics of bear populations – Chairs: Lana Ciarniello and Djuro Huber		
6	09:40 - 9:55	Alexandros Karamanlidis Carlos Bautista, Sally Cartherine Faulkner, Miguel de Gabriel Hernando, Olivier Gimenez, Alexander Kopatz, Zoe Makridou, Ian Renner, Tomaz Skrbinšek, Astrid Stronen	Large carnivore population recoveries: Understanding the remarkable comeback of brown bears in Greece
83	09:55 - 10:10	Santiago Palazón, Pierre-Yves Quenette, Ivan Afonso, Ramón Jato, Jordi Solá, Rubén Artazkotz, Antoni Batet, Jérôme Sentilles, Cécile Vanpé, Xavier Garreta, Jordi Guillén, Sergio Mir, Salvador Gonçalves, Nicolàs Espinós	The encouraging but still uncertain fate of one of the most endangered brown bear population in Europe: conservation status of the Pyrenean brown bear population
55	10:10 - 10:25	Trishna Duta, Marta De Barba2, Niko Balkenhol	Identifying umbrella species for large mammal connectivity conservation in Europe: how well do brown bears do the job?
20	10:25 - 10:40	John Boulanger, Gordonc Stenhouse, Scott Nielse	Using spatial mark-recapture for conservation monitoring of grizzly bear populations in Alberta
10:40 - 11:10	Coffee Break		
19, speed talk	11:10 - 11:20	Brandon Prehn, Nicholas Coops, Gordon Stenhouse, Scott Nielsen	Characterizing Grizzly Bear ( <i>Ursus arctos</i> ) Habitat Selection Using 3D Remote Sensing
201, speed talk	11:20 - 11:30	Sandeep Sharma, Trishna Dutta	Landscape Genetics of Sloth bears in Central India
118, speed talk	11:30 - 11:40	Lorraine Scotson, Miriam Kunde, Wai-Ming Wong, Hasan Rahman, Roshan Guharajan	A shopping list of research priorities for Southeast Asia's bears

32, speed talk	11:40 - 11:50	<u>Giacomo Cremonesi</u> , Francesco Bisi, Lorenzo Gaffi, Leonardo Gueli, Alessandra Gagliardi <sup>1</sup> , Lucas Armand Wauters, Damiano Preatoni, Hla Naing, Kyaw Moe, Zarni Aung, Filippo Zibordi, Rodolfo Gentili, Roberto Colombo, Adriano Martinoli	Estimating Sun bear ( <i>Helarctos malayanus</i> ) occupancy in two different areas of Myanmar
109, speed talk	11:50 - 10:00	<u>Manuel Díaz</u> , Javier Naves, Eloy Revilla	Patterns of spatial recovery in the Cantabrian brown bear ( <i>Ursus arctos</i> ) population
142, speed talk	12:00 - 12:10	<u>Ioan Mihai Pop</u> , Ruben Iosif, Iulia Miu, Laurentiu Rozyłowicz, Viorel Dan Popescu	Mapping habitat conservation priorities for brown bears in the Romanian Carpathians
238, speed talk	12:10 - 12:20	<u>Bojan Vivoda</u> , Đuro Huber, Slaven Reljić, Tatjana Matković	Measures for prevention brown bear vehicle collisions on Rijeka-Zagreb motorway in Croatia as a part of the EU project LIFE DINALP BEAR
12:20 - 13:40	Break for lunch		
13:40 - 15:10	Session: Molecular genetics in bear conservation and management – Co-chairs: Marta De Barba and Tomaž Skrbinšek		
96	13:40 - 13:55	<u>Carlos Luna Arangur</u> , Ella Vázquez Domínguez	Exploring the role of past environmental change on the diversification patterns of Ursus bears
181	13:55 - 14:10	<u>Andrea Borbon</u> , Alejandro Reyes	Food quality matters: impacts of captivity in the gut microbiota of Andean bears.
150	14:10 - 14:25	<u>Alexander Kopatz</u> , Daniel	Pedigree reconstruction by combined SNP and STR analysis in a brown bear population
211	14:25 - 14:40	<u>Tomaž Skrbinšek</u> , Maja Jelenčič, Roman Luštrik, Marjeta Konec, Barbara Boljte, Rok Černe, Matej Bartol, Đuro Huber, Juraj Huber, Slaven Reljić, Pierre Taberlet, Christian Miquel, Stéphane Lobreaux, Ivan Kos, Marta De Barba	Using laboratory robotics, high-throughput sequencing and sampling with volunteers for quick and cost-effective large-scale genetic estimates of brown bear population size – transboundary case study in Slovenia and Croatia

192	14:40 - 14:55	<u>Odbayar Tumendemberel</u> , Lisette Waits, Jennifer Adams, Michael Proctor, Harry Reynolds, Amgalan Luvsamjamba, Nyambayar Yanjin, Andreas Zedrosser	The population size and trend of the Gobi bear ( <i>Ursus arctos</i> ) between 2009 and 2017
110	14:55 - 15:10	<u>Tabitha Graves</u> , Jennifer Pierson, Sam Banks	Relationship between effective and demographic population size in grizzly bears and other mammals
15:10 - 15:40	Coffee break		
15:40 - 17:50 (concurrent)	Workshop 3: Bear personalities – Implications of among-individual behavioral variation and how to quantify them @Union Hall		
	Workshop 4: Implementing robust and cost-effective genetic monitoring of brown bear population size @Silver Hall		
17:50 - 18:20	Closing of the conference @Union Hall		

### BEST PRESENTATION AWARDS

21st September at the conference closing ceremony

IBA will award Best Student Oral Presentation, Best Student Speed Talk Presentation and Best Student Poster Presentation at the Life with bears Conference. Judges that are non-student conference participants picked by the IBA council will evaluate the presentations. The winners will be awarded \$100 USD and a certificate for their achievement each. The winners will be announced at the conference closing ceremony on Friday, Sept. 21st by Ms. Amy Macleod, Student Representative at International Bear Association Council.



# CONFERENCE CITY

Ljubljana is the capital of Slovenia, a country of **20,000 sq km** with a population of **2,070,000**. Slovenia gained its independence from Yugoslavia in 1991 and it was quickly recognised by the international community as a sovereign state. Slovenia has since then established itself as a developing economy with active international relations. It became a member of the **European Union** and **NATO** in 2004 and, in 2007, adopted the **Euro** as its national currency. Slovenia is in the Schengen zone and has successfully hosted the Presidency to the EU in 2008.

The history of the earliest population on the territory of Ljubljana goes back 6,000 years. **Emona** – a Roman colony dating from 14 A.D. is considered as the foundation milestone for today's city. The years **2014 / 2015** are therefore dedicated to celebrating 2000 years of Emona. **Medieval Ljubljana** developed under the shelter of Castle Hill, spreading alongside the banks of the Ljubljanica River in the area which we call the Old Town today.

The historic growth of Ljubljana can be traced through the still preserved elements of medieval, **Baroque, Art Nouveau and modern architecture**. The ultimate touch was bestowed on his native city by **Jože Plečnik**, who signed unique architectural projects and landmarks, and reshaped the urban tissue of Ljubljana by connecting all these styles. Ljubljana, the nation's cultural, urban and university centre is the biggest city of Slovenia and lies in its very heart.

## EUROPEAN GREEN CAPITAL

In June 2014, Ljubljana received the prestigious title of **European Green Capital 2016**. Among the five finalists contending for the title, Ljubljana, with its **sustainable development strategy** document 'Vision 2025', was the one that the jury in Copenhagen found the most impressive.

The European Green Capital jury, chaired by the **European Commission**, pointed out in its report that the last 10 to 15 years have seen dramatic changes in traffic levels in the Slovenian capital: »From being a city which was previously dominated by car transport the focus is now on public transport and on pedestrian and cycling networks.«.

Ljubljana has changed its traffic regime and limited motorized traffic in favour of environmentally friendlier alternatives. The city's extremely popular **BicikeLJ** bicycle hire network, which consists of 30 docking stations and 300 bicycles, has recorded 2,300,000 rentals within slightly more than three years.

As set out in the 'Vision 2025' document, by the year 2020 Ljubljana will achieve a modal split of one-third of public transport, one-third of walking and cycling, and only one-third of private motor vehicle transport.

Ljubljana's green outfit can be summarised by saying: wherever you stand in the city, you can always see (at least) a tree. But this is just a fragment of the full picture that embodies a growing environmental awareness of the local residents as well as the endeavours of the city authorities.

In addition to **turning most of the Old Town into a pedestrian zone** the Municipality has applied a recycling policy with regards to the separation of solid waste and over 95 percent of the sewage system is conveyed to a recently built waste-water recycling plant. The landfill gas is used as a **renewable, green energy** source, mainly for the production of electricity. The growing size of the pedestrian zones and the introduction of low emission buses in the public transport are other important elements aimed at **improving the quality of life** in Ljubljana now and in the future.

The conference venue is investing in and **implementing new, green solutions**. Equally so, the recent renovations and refurbishments in the proposed city hotels contribute to lowering the carbon footprint of these facilities and their guests, respectively. Last, but not least, conference organisers and service providers are increasingly applying

the ecological and CSR aspect of running meetings. Local produce for the catering, recyclable badges, use of public transport when possible, tap water instead of bottled are some of the examples of practical measures contributing towards sustainability.

## USEFUL INFORMATION

- Time: European with one hour forward in summer (GMT + 1).
- Currency: Euro.
- Major credit cards are widely accepted throughout the country.
- Automatic cash dispensers (ATMs) are easily found both in Ljubljana and around Slovenia.
- Language: Slovenian; many locals speak English and / or German and Italian.
- Electricity: **220 V**
- **Tap water is of excellent quality**, we encourage you to bring and use your own water bottle.
- **Telephone dialling codes:**
  - Country code: +386
  - Ljubljana city code: (0)
  - International calls from Slovenia: 00+country+city codes
- **Emergency numbers:**
  - Police: 113
  - Fire brigade: 112
  - Ambulance & first aid: 112
  - Medical assistance: 232 30 60 (5:00-20:00)
  - AMZS, Slovenian Automobile Club: 530 53 00
  - Road emergency towing service: 1987

**Safety:** Both Slovenia and Ljubljana are regarded as **very safe** destinations. The general level of security is high, as stated in surveys conducted by official institutions / government agencies in the international sphere. There are also many other sources that would confirm this statement – from travel guides, to articles in the international media, and – nowadays, the increasingly important social media platforms (traveller's reviews, forums, blogs, etc.). Check NUMBEO for relevant information.

**Health services** are also regarded to be of a **very good standard** in case any medical assistance would be required. Ljubljana has a renowned University Medical Centre and fluent communication with doctors and other staff in English is a common standard.

## MOVING AROUND THE CITY

The public **city bus network** makes it easy to travel within the city. The city lines connecting all districts, which run according to regular schedules throughout the day, are complemented by suburban buses, which link Ljubljana to its close surroundings. A smart card, **Urbana**, has to be purchased before use of public transport. It is also convenient to travel by bus to reach other localities around the country: [www.lpp.si](http://www.lpp.si), [www.ap-ljubljana.si](http://www.ap-ljubljana.si)

Ljubljana also has a well-organised **taxi service**, which is not exceedingly expensive. There are fixed spots in the city where taxis are stationed, or they can be ordered by telephone.

A self-service bike system **BicikeLJ** is also available with bicycle self-renting stations located approximately 300 – 500 meters apart – you can subscribe here: [www.bicikelj.si](http://www.bicikelj.si)

# CONFERENCE VENUE

Venue of the 26th IBA conference "Life with bears" will be The Grand Hotel Union in Ljubljana. Set in a privileged central location close to the Old Town, it is the largest convention hotel in Ljubljana. Built in 1905 in the Art Nouveau style, it combines elegance and a long-term tradition in hosting successful events and prominent guests. With an exclusive location in the heart of the city overlooking the central Prešeren Square, the Triple Bridge and eyeing the Ljubljana Castle. The Hotel is easily accessible from all major highways, the railway station, the main bus station and the Ljubljana Airport. The hotel has 21 conference halls and salons, with capacity starting from 10 to up to 850 participants. It also offers a secured parking garage with 120 parking spaces.

## REGISTRATION

Type of registration	Early fee - until July 10th	Late fee - from July 11th
Full Registration IBA Member	320,00 €	400,00 €
Full Registration IBA Non-Member	390,00 €	420,00 €
Full Student Registration IBA member	200,00 €	300,00 €
Full Student Registration IBA Non-member	250,00 €	320,00 €
1 day registration*	100,00 €	100,00 €
Additional »ice breaker« and »gala dinner« ticket for accompanying person	100,00 €	100,00 €

### \*ONE DAY REGISTRATION:

Includes: all sessions for that day, conference material, coffee and tea during breaks.  
Does not include pass to ice breaker and gala dinner events.

### FULL REGISTRATION INCLUDES:

- Admittance to all conference sessions including plenary talks.
- Morning and afternoon coffee breaks.
- Evening social program at the conference, specifically ice-breaker event and gala dinner (the events include alcoholic and non-alcoholic as well as food and cultural/entertainment program).
- Conference bag with Conference program, participant directory.
- Access to conference rates for excursions and hotels.

# ORGANIZERS OFFICE

Organizers office will be placed in the Banquet room of the conference venue next to the Grand Foyer where registrations and coffee breaks will take place. Organizers office will operate Monday - Friday from 8:00 am until 6:00 pm.

Please submit your presentations at the Organizers office at least 24 hours before your scheduled talk.

You can also submit your items for the Silent Auction there.



# PRESENTATION GUIDELINES

Please note: all presenters must be registered for the conference. All accepted abstracts will be published in the Book of abstracts.

## ORAL PRESENTATION GUIDELINES:

Oral presentations should last no more than **10 minutes**. Additional 5 minutes are planned for questions and change-over. Session chairs will be very strict with the time schedule. Presentation slides should be preferably in PowerPoint – if you need another software for your presentation you should contact us as soon as possible. All presentations should be in Windows/PC environment. Mac equipment will NOT be available. We suggest use of 4:3 format for slides. The file name of the presentation should adhere to the following standards: IBA\_Ljubljana\_Unique Identifier. For instance: IBA\_Ljubljana\_65. You will be notified about your presentation Unique Identifier. You must hand your presentation to the technical assistant **at the Organizers Office at least 24 hours before** your scheduled slot.

## SPEED TALK GUIDELINES:

Speed talk should last no more than **7 minutes**. Additional 3 minutes are planned for questions and change-over. Session chairs will be very strict with the time schedule. Presentation slides should be preferably in PowerPoint – if you need another software for your presentation you should contact us as soon as possible. All presentations should be in Windows/PC environment. Mac equipment will NOT be available. We suggest use of 4:3 format for slides. The file name of the presentation should adhere to the following standards: IBA\_Ljubljana\_Unique Identifier. For instance: IBA\_Ljubljana\_65. You will be notified about your presentation Unique Identifier. You must hand your presentation to the technical assistant **at the Organizers Office at least 24 hours before** your scheduled slot.

## POSTER PRESENTATION GUIDELINES:

Poster session is scheduled on Tuesday, Sep. 18th 2018 18:00-19:40 @Glass Hall

Please set up your poster during the breaks earlier in the day. Posters need to be removed at the end of the poster session. Poster stands will be marked with your abstract ID number (find your ID number in the Book of abstracts @ [www.lifewithbears.eu](http://www.lifewithbears.eu)).

- Maximum allowed width of the poster is **90 cm**. Portrait (vertical) orientation is recommended.
- Important information should be readable from about 3 meters away
- Title should be short and draw interest
- Word count of about 300 to 800 words
- Text should be clear and to the point
- Use of bullets, numbering, and headlines makes it easy to read
- Effective use of graphics, color and fonts
- Acknowledgments, your name and institutional affiliation should be included

# LANGUAGE, WIFI

All announcements will be presented in English. There will be no simultaneous translation in other languages.

## WIFI INTERNET ACCESS

- **U:** [iba2018slovenia](http://iba2018slovenia)
- **P:** [lifewithbears](http://lifewithbears)





# CONFERENCE PROGRAMME in brief

## SUNDAY, 16TH SEPTEMBER, 2018 (PRE-CONFERENCE DAY)

- IBA board meeting
- Beartrek documentary (2:00 p.m. a@ Kinoteka, Miklošičeva cesta 20, 1000 Lj, open for public)
- Evening welcome reception - Icebreaker (6:00 p.m., @ Švicarija located in Park Tivoli)

## MONDAY, 17TH SEPTEMBER, 2018

- Opening scientific sessions
- Workshops 1 and 2

## TUESDAY, 18TH SEPTEMBER, 2018

- Scientific sessions
- Student's Forum
- Bear-friendly market (5:00 pm in Grand Foyer of The Grand Hotel Union, open for public)
- Public presentation Polar bears and the changing Arctic« by Andrew E. Derocher (8:00 pm in the Union Hall of The Grand Hotel Union, open for public)
- HBCET Meeting

## WEDNESDAY, 19TH SEPTEMBER, 2018

- Conference excursions
- BSG business meeting

## THURSDAY, 20TH SEPTEMBER, 2018

- Scientific sessions
- Gala dinner event (7:30 p.m. in the Union Hall of The Grand Hotel Union)
- Silent auction (during Gala dinner)

## FRIDAY, 21ST SEPTEMBER, 2018

- Scientific sessions
- Workshops 2 and 3
- Closing of the conference with awards ceremony

# SPONSORS, PARTNERS

## GENERAL SPONSOR:



## CONFERENCE PARTNERS

Conference partners important for the successful organization and implementation of 26th IBA conference »Life with bears«



NOTES

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Lined writing area on page 35.



# NOTES

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## KEMOMED

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Iščete rešitve na področju  
znanosti o življenju?

# Mi vam jih ponujamo!



- Reagenti za diagnostiko in biomedicino
- Instrumenti in tehnična podpora
- Potrošni material
- Aplikativna pomoč
- Pipetni program in akreditirane kalibracije
- Plastika

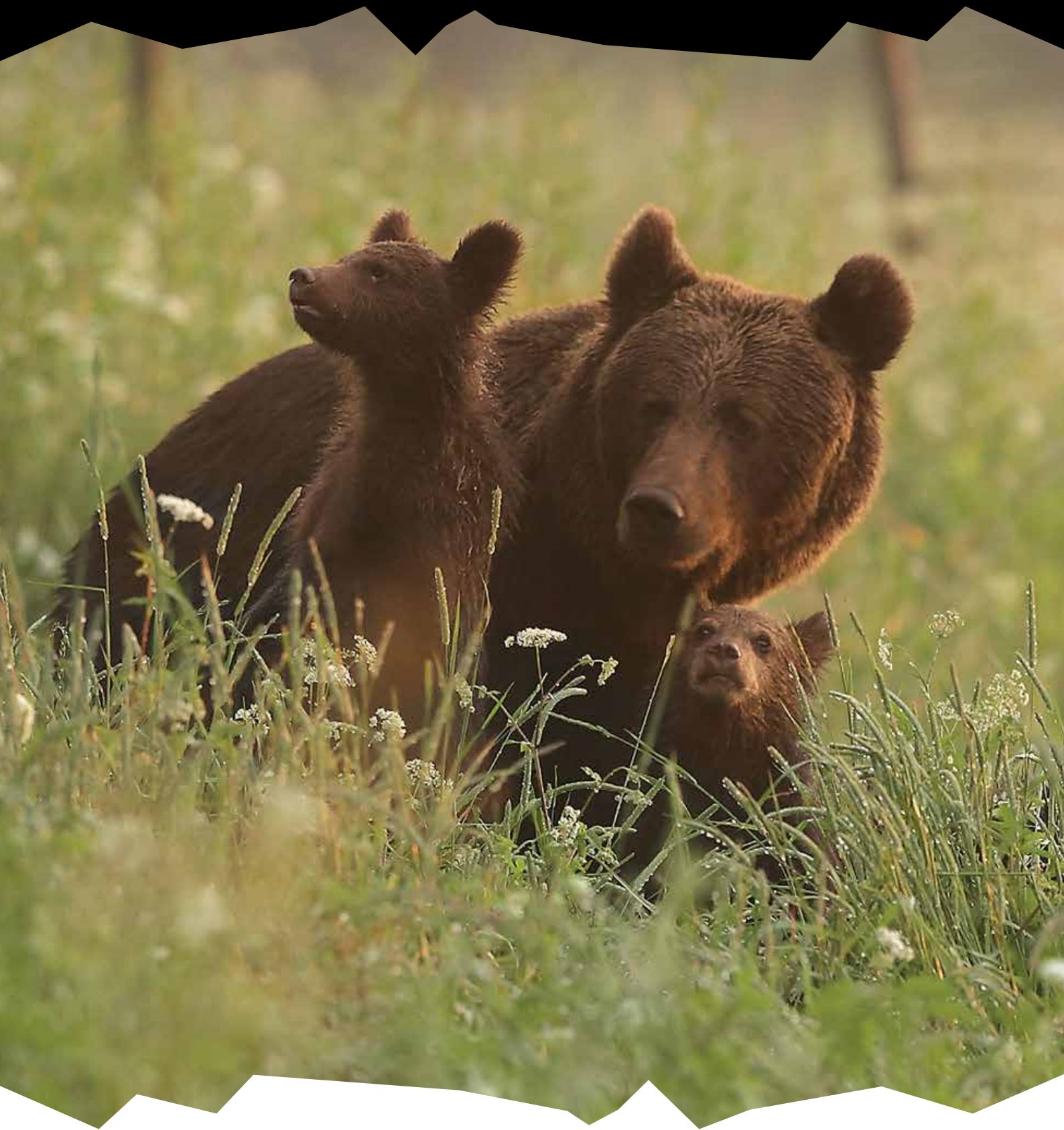
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