



15th INTERNATIONAL GROUSE SYMPOSIUM
September 11-15, 2023, Białystok, Poland

Conference Schedule

15th International Grouse Symposium

September 11-15, 2023

University of Białystok
Faculty of Biology
Ciołkowskiego 1J Street, Białystok
the Auditorium 2003 (1st floor)

Monday, September 11

9:00	Registration - Main lobby (ground floor)
10:00-18:00	Pre-Conference Workshop - rooms 2002, 2041 and 2042 (2 nd floor) <i>(the Workshop schedule will be sent do participants)</i> Lunch and coffee break provided

Tuesday, September 12

7:45	Registration - Main lobby (ground floor)
8:45	Opening of the Conference - the Auditorium 2003 (1 st floor)
	<i>Session: Environmental and social aspects of grouse conservation</i> Moderator: Marek Konarzewski
9:00	<i>Invited Plenary Speaker</i> <i>Ilse Storch:</i> Past experiences and future challenges: Conservation of Grouse in Europe
10:00	Coffee break - the main hall at the Auditorium 2003 (1 st floor)



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10:30	Peter Coates: Spatiotemporal trends of sage-grouse populations in stochastic environments: six decades of declines in the American West (presented by Steven Mathews-Sanchez)
10:50	Farina Sooth: ‘Ghost of hunting past’ in rock ptarmigan: assessing long-term effects on behavior
11:10	Marius Kjønsberg: Towards a science-based rock ptarmigan (<i>Lagopus muta</i>) management in Scandinavia
11:30	Juri Kurhinen: Trends in population dynamics of Capercaillie and Black grouse in the forest zone of northern Eurasia
11:50	Megan Milligan: Changes in spatial distribution versus abundance for greater sage-grouse in a Distinct Population Segment
12:10	Jeffrey Beck: Development of Management Recommendations for Greater Sage-Grouse Winter Concentration Areas
12:30	Lunch - the main hall at rooms 2058-2060 (1 st floor)
Session: Environmental and social aspects of grouse conservation Moderator: Ilse Storch	
13:15	Invited Plenary Speaker Robert Moss: Civilisation and its discontents: human impact on grouse, from large-scale niche loss accompanying climate change to local disturbance from outdoor recreation
14:15	Nicole Frey: Implications of climate change on Greater sage-grouse conservation at their southernmost distribution
14:35	Daniel Appenroth: Seasonal timing mechanisms in the Svalbard ptarmigan (<i>Lagopus muta hyperborea</i>)
14:55	Justine Dewilde: Post-release acclimation of translocated Black Grouse (<i>Lyrurus tetrix</i>): a multi-time scale analysis using telemetry (presented by Johann Delcourt)
15:15	Coffee break - the main hall at the Auditorium 2003 (1 st floor)
15:45	Michał Adamowicz: How environmental factors and human disturbance affect the occurrence of black grouse (<i>Lyrurus tetrix</i>)



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16:05	Torfinn Jahren: Effects and mitigation of wind-power on populations of capercaillie and black grouse in central Scandinavia (presented by Mikkel Kvasnes)
16:25	Marc Montadert: High anthropogenic specific mortality rate for black grouse in ski resort
16:45	Jeffrey Beck: Increasing Feral Horses Decrease Greater Sage-Grouse Nest and Brood Survival
18:30	Departure for banquet dinner from the University Campus to Supraśl, a small town located 16 kilometers east of Białystok. The dress code is casual, for a cool evening. Dinner will be outside under a covered pavilion (grill) and inside as well.
19:00	Banquet Dinner - The Five Oaks Restaurant in Supraśl

Wednesday, September 13

8:00	Registration - Main lobby (ground floor)
	Session: Monitoring and conservation of natural grouse population Moderator: Paweł Mirski
9:00	Invited Plenary Speaker Gail Patricelli: Robots, Telemetry & the Sex Lives of Sage-Grouse: using technology to study courtship and conservation
10:00	Coffee break - the main hall at the Auditorium 2003 (1 st floor)
10:30	Olga Jordi Torres: Vocal individuality of the Western Capercaillie (<i>Tetrao urogallus</i> L.) male calls, an ambisonic bio-acoustic approach
10:50	Lucie Hambálková: Acoustic signals of male black grouse: individual and subpopulation level
11:10	Corina Sanchez: Improving greater sage-grouse nest survival through oiling common raven eggs



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11:30	Michael Schroeder: Behavior of female grouse: are we missing something important?
11:50	Elizabeth Leibold: Developing Unbiased Methods for Monitoring Populations of Dusky Grouse in the Western USA (presented by Lance McNew)
12:10	Trapper Haynam: Movement-based Metrics of Nesting Area Fidelity Determine Nest Success in Sage-Grouse: Implications for Grouse Conservation (presented by Lance McNew)
12:30	Lunch - the main hall at rooms 2058-2060 (1 st floor)
	Session: Monitoring and conservation of natural grouse population Moderator: <i>Robert Rutkowski</i>
13:15	Invited Plenary Speaker Sara Oyler-McCance: Harnessing Molecular Innovation for Improved Management of Sage-grouse
14:15	Shawna Zimmerman: Greater Sage-grouse Genome-wide Adaptive Divergence May Influence Conservation Translocation Effectiveness
14:35	Alex Ball: Conservation genetics of Capercaillie in the Cairngorms National Park, Scotland, UK
14:55	Václav Tomášek: Black Grouse Conservation in the Krkonoše and Jizera Mountains
15:15	Coffee break - the main hall at the Auditorium 2003 (1 st floor)
15:45	Jennifer Forbey: It takes guts to conserve grouse: unraveling the intestine to manage and monitor grouse from the bite to the biome
16:05	Johann Delcourt: Is the black grouse (<i>Lyrurus tetrix</i>) an indirect victim of the sylvatic rabies eradication by fox vaccination?
16:25	Emmanuel Ménoni: Quantitative estimation of Capercaillie habitats in the French Alps as a prerequisite for their reintroduction
16:45	Poster session - at the corridor connecting Biology and Chemistry Faculties



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Thursday, September 14

	<p>Conference Field Trip - Głęboki Bród Forest District (see Conference Field Trip in Abstract book for more information)</p> <p>Board buses from 7:30 (University Campus parking lot)</p>
8:00	Departure to Głęboki Bród

Friday, September 15

8:00	Registration - Main lobby (ground floor)
	<p>Session: Improving breeding methods for the development of conservation breeding Moderator: will be announce soon</p>
9:00	<p>Invited Plenary Speaker Robert Rutkowski: Tetraonidae - dying knights of Polish forests: genetic diversity and population structure in space and time</p>
10:00	Coffee break - the main hall at the Auditorium 2003 (1 st floor)
10:30	Arne Ludwig: Genetic evidence for reproduction of released capercaillie in Southern Brandenburg, Germany (presented by Alexander Erdbeer)
10:50	Artur Kowalczyk: Reproductive parameters of capercaillie kept in aviary system in Wisła Forestry (presented by Ewa Łukaszewicz)
11:10	Artur Kowalczyk: Artificial insemination procedure in black grouse (<i>Lyrurus tetrix</i>) reproduction (presented by Ewa Łukaszewicz)
11:30	Emma O'Brien: Effect of midazolam sedation on sperm quality of capercaillie
11:50	Joanna Rosenberger: Capercaillie (<i>Tetrao urogallus</i>) egg incubation behavior - is there seasonal and environment depended variation?
12:10	Joanna Rosenberger: Evaluation of eggshell ultrastructure as a method of assessing egg status and embryo development - Capercaillie example



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12:30	Lunch - the main hall at rooms 2058-2060 (1 st floor)
	<i>Session: Improving breeding methods for the development of conservation breeding</i> Moderator: Dorota Ławreszuk
13:15	<i>Invited Plenary Speaker</i> <i>Agnieszka Kloch:</i> Parasites and conservation biology
14:15	<i>Lena Larsson:</i> Captive Propagation of the Attwater's Prairie-Chicken: Updates on Production and Fostering Methodologies
14:35	<i>Paul Senner:</i> Living Fast on the Texas Prairies: Overcoming stochasticity to establish populations of an endangered prairie grouse (presented by Aaron Pratt)
14:55	<i>Steven Mathews-Sanchez:</i> Benefits and costs of translocation on augmented and source populations of greater sage-grouse
15:15	Coffee break - the main hall at the Auditorium 2003 (1 st floor)
15:45	<i>Janusz Kobielski:</i> Capercaillie <i>Tetrao urogallus</i> recovery program in the Bory Dolnośląskie Forest, south-west Poland (presented by Marek Kmiec)
16:05	<i>Mariusz Rydzik:</i> Optimization of capercaillie breeding (<i>Tetrao urogallus</i>) in ex situ in vivo conditions
16:25	<i>Mateusz Grzębkowski:</i> Active protection of Black Grouse and Western Capercaillie in the State Forests in Poland
16:45	Final remarks and closing of the conference

Saturday, September 16

<i>Post-Conference Field Trips - Białowieża National Park or Biebrza National Park</i> <i>(see Post-Conference Field Trips in Abstract book for more information)</i> <i>Board buses from 7:30 (University Campus parking lot)</i>	
8:00	Departure to Białowieża National Park or Biebrza National Park



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