

Canid Biology and Conservation

An International Conference

Posters Programme

BEHAVIOURAL ECOLOGY

Mon 17 / Tues 18 September

Energy Cost of Running in Arctic Fox (*Alopex lagopus*), in Norway

Eva Fuglei & Nils Øritsland

Energy Requirements and Local Distribution of Sympatric Chilla (*Pseudalopex griseus*) and Culpeo (*P. culpaeus*) Foxes in South America

Jaime Jiménez & Warren Johnson

About Supplanting Interactions in Social Canids

Javier de Miguel, Paloma Chaves Montoya, Raquel Monclús Burgoa & Isabel Barja

Effects of Social and Environmental Factors on Coyote Vocalizations: a) Spectrographic Analysis of Barks and Howls

Brian Mitchell, Reginald Barrett & Michael Jaeger

Effects of Social and Environmental Factors on Coyote Vocalizations: b) Responses of Coyotes to Audio Playbacks

Brian Mitchell, Reginald Barrett & Michael Jaeger

Howling Activity of Free-Ranging Wolves

Sabina Nowak, Włodzimierz Jędrzejewski, Krzysztof Schmidt, Jörn Theuerkauf, Robert Mysłajek & Bogumiła Jędrzejewska

Juvenile Dispersal in the Icelandic Arctic Fox Population

Páll Hersteinsson

Proximate Explanations for Failed Pack Formation in *Lycaon pictus*

Kim McCreery & Robert Robbins

CANID BEHAVIOUR

Mon 17 / Tues 18 September

High Placed Urination in Wolves (*Canis lupus L.*) in Captivity

Isabel Barja & Javier de Miguel

Plant Selection for Scat Marking by Wolf

Isabel Barja, Javier de Miguel & Felipe Bárcena

Selection of High Sites for Placing Scats by Wolf

Isabel Barja, Javier de Miguel & Felipe Bárcena

Wolf Vocal Communication: Sources of Variation among Individuals in the Squeak

Fred Harrington & Tanya Holt

Some Unusual Behaviors of the New Guinea Singing Dog (*Canis hallstromi*)

Janice Koler-Matznick & Lehr Brisbin

The Behaviour of Polar Wolves (*Canis lupus arctos*) Sharing an Enclosure with Brown Bears (*Ursus arctos*)

Simone Nowak

The Ontogeny of Vocalisation in the Domestic Dog (*Canis lupus f. familiaris*) Compared to the Wolf (*Canis lupus*)

Simone Nowak

A Comparative Study of Larynx Morphology and Howling Vocalizations in Five Canids (Genus *Canis*)

Alessia Ortolani, Laurie Corbett, Mark Feinstein, & Ray Coppinger

Interaction Between Wolf and Large Predators in Russia

Mikhail Vaisfeld

Biphonation in the Dhole *Cuon alpinus* Vocal Behaviour

Elena V. Volodina & Ilya A. Volodin

Vocal Repertoire in the Dhole *Cuon alpinus* in Captivity

Ilya A. Volodin, Elena V. Volodina & Irina V. Isaeva

POPULATION DYNAMICS AND MODELLING

Mon 17 / Tues 18 September

Group Size and Allee Effect in the African Wild Dog (*Lycaon pictus*): new insights through stage-structured population models

Guillaume Chapron, Stéphane Legendre, Jean Clobert & Régis Ferrière

Wild Dog Population Dynamics in Kruger National Park, South Africa

Harriet Davies, Gus Mills, Anthony Maddock & Ian Wilkinson

Modelling of Wolf-Livestock Interactions in Spain: Proposed Methodology for Development of Policy Guidelines

Deborah Kirby, Paula White & R. Ruiz

Dynamics of a Wolf (*Canis lupus*) Population in Turkmenistan

Victor Lukarevskiy

Recovery of Ethiopian Wolf Packs after a Rabies Epizootic

Jorgelina Marino & Claudio Sillero-Zubiri

The Scandinavian Wolf Research Project (SKANDULV)

Hans Christian Pedersen, Olof Liberg, Håkan Sand & Petter Wabakken

SYSTEMATICS, PALAEOLOGY AND MORPHOLOGY

Mon 17 / Tues 18 September

On Biometry and Sexual Dimorphism in Wolf

Felipe Bárcena & Roberto Hermida

The New Guinea Singing Dog (*Canis dingo hallstromi*)

Lehr Brisbin, Janice Koler-Matznick & Mark Feinstein

The Skull Morphology of the Ethiopian Wolf (*Canis simensis*)

Ruth Dalton

Cranial Development in Wolf between Four and Ten Months of Age

Roberto Hermida & Felipe Bárcena

Some Data on Seasonal Variation in Wolf Pelage

Sonia Lamas & Felipe Bárcena

The Fossil Record of *Canis* (Carnivora: Canidae) in South America. Comments on the Systematic Status of *Canis gezi*

Francisco Prevosti

Phylogeny of Canidae: Inferences From Combined Morphological, Behavioural and Molecular Data

Věra Řičánková & Jan Zrzavý

Is "Tanuki" a Separate Species?

Midori Saeki & Kaarina Kauhala

Fluctuating Asymmetry and Inbreeding in the Painted Hunting Dog, *Lycaon Pictus*

Charles T. T. Edwards & Greg S. A. Rasmussen

POPULATION GENETICS

Mon 17 / Tue 18 September

Development of Genetic Markers to Address Conservation Issues for the Dhole (*Cuon alpinus*)

Arati Iyengar

DLA-DRB1, DQA1 and DQB1 Alleles in Alaskan Grey Wolves

Lorna Kennedy, John Angles, George Happ, Annette Barnes, Stuart Carter, William Ollier & Wendy Thomson

Genetic Study on the Anatolian Shepherd Dog Based on 100 Microsatellite Loci

Evren Koban, Vahdettin Altunok, Lounes Chikhi, Ayşe Ergüven & İnci Togan

Non-invasive Molecular Tracking of Colonizing Wolf Packs in the Western Italian Alps

Vittorio Lucchini, E. Fabbri, Francesca Marucco, Simone Ricci, Luigi Boitani & Ettore Randi

RAPD Fingerprinting and Relatedness Among Dog Breeds and Grey Wolves

Seraphima Semyenova, Natalia Illarionova, Vasilii Vasilyev, Anna Shubkina & Aleksei Ryskov

Conservation Genetics of Wolves (*Canis lupus*) in Italy

Ettore Randi & Vittorio Lucchini

REPRODUCTIVE ECOLOGY

Mon 17 / Tue 18 September

The Influence of Social Factors on Reproduction in Red Foxes

Caroline Henry, Marie-Lazarine Poulle & Jean-Jacques Roeder

Breeding and Parturition Seasons With Growth Rate of Mexican wolf (*Canis lupus baileyi*) Pups

Jorge Servín, Susan Lindsay-Lindaker & Peter Siminski

DISEASE AND EPIDEMIOLOGY

Mon 17 / Tues 18 September

Use of a Natural Emetic in *Lycaon pictus*

Filippo Bassignani & Elena Carloni

Diseases of Canidae Species in Central Asia

Natalya Marmazinskaya

Evaluation of Different Techniques For Capture and Anaesthesia of Painted Hunting Dogs

Greg Rasmussen

FORAGING AND POPULATION ECOLOGY

Wed 19 / Thu 20 September

Estimated Diet of the Dhole or Asiatic Wild Dog (*Cuon alpinus*) in Kanha Tiger Reserve, Central India

Bhaskar Acharya, Leon Durbin & Asir Johnsingh

Transboundary Movements of Wolves in Latvia and Estonia: Results of the Pilot Study

Zanete Andersone, Nikolai Laanetu, Robert Oetjen & Janis Ozolins

Ecology of a Wolf Pack in a Semi-Agricultural Landscape in Tuscany, Central Italy

Paolo Ciucci, Luca Artoni, Edoardo Tedesco & Luigi Boitani

Spatial Ecology of the Culpeo Fox (*Pseudalopex culpaeus*) in the Highland Desert of Northern Chile

Jaime Jiménez, Mario Parada & Pamela Cortés

The Home Range of Raccoon Dog in Relation to other Carnivores

Katja Kiviahho & Kaarina Kauhala

Foraging Behaviour of Coyotes in Prairie Dog Towns of Northwestern Mexico

Rurik List & David Macdonald

Winter Habitat Selection of Wolves in the Western Alps

Francesca Marucco, Simone Ricci, Tommaso Galli, Lorenzo Manghi & Luigi Boitani

Selection of Marking Sites by Red Fox (*Vulpes vulpes*) in Spain

Raquel Monclús Burgoa, Javier de Miguel, Isabel Barja & Felipe Bárcena

Feeding Success of African Wild Dogs in Relation to Group Size and Kleptoparasitism: the Emergence of an Allee Effect?

Chris Carbone, Lory Frame, George Frame, James Malcolm, John Fanshawe, Clare FitzGibbon, George Schaller, Iain J. Gordon, J. Marcus Rowcliffe & Johan du Toit

Wolf population ecology in Russian Karelia and Finland: effects of prey availability and exploitation by humans

Ilpo Kojola & Pjotr. I. Danilov

Diet and Habitat Use in Jackal, Jungle Cat, and Caracal in a Semi-arid Region of India

Shomita Mukherjee, S.P. Goyal & A.J.T. Johnsingh

The Diet of Red Fox (*Vulpes vulpes*) In Two Areas of Parque Nacional da Peneda-Gerês (NW Portugal)

Nuno Negrões Soares, José Lopes de Carvalho & Pedro Teixeira Gomes

Bat-eared Foxes as Predators on Harvester Termites

Jan Nel

Blackbacked Jackal Social Organization in Relation to Food Dispersion on a Desert Coast

Jan Nel, Rudi Loutit & Rod Braby

The Red Fox (*Vulpes vulpes*): Its Abundance and Diet in North East Ireland

Declan O'Mahony, William Montgomery, Murray Grant & Jonathan Reynolds

Seasonal Movement and Home Range of Sierra Nevada Red Fox in Northern California

John Perrine & Reginald Barrett

Movements and Habitat Ecology of the Raccoon Dog in Japan

Midori Saeki

Do Food Resources Affect Home Range Size in Coyotes?

Jorge Servín, Carmen Huxley & Elias Chacón

Diet of the Maned Wolf (*Chrysocyon brachyurus*) in a Private Natural Reserve in South-eastern Brazil

Joaquim Silva & Sônia Talamoni

Ecology of Crab-eating foxes in Caatinga, a Dry Forest in North-eastern Brazil

Frank Wolff

CONFLICT AND CONTROL

Wed 19 / Thu 20 September

Dhole Depredation and its Consequences for the Carnivore Community in Arunachal Pradesh, North East India

Narendra Babu & Arun Venkataraman

Managing the Wolf (*Canis lupus*) Expansion in Western Europe: Conservation and Control Strategies

Guillaume Chapron, Stéphane Legendre, Jean Clobert, Régis Ferrière & Robert Haight

Resolving Problem of Child-lifting by Wolves in the State of Uttar Pradesh and Bihar, India

N.P.S. Chauhan

Relationships Between Sechuran Fox (*Pseudalopex sechurae*) and People in Peru: Threats and Uses

Daniel Cossios

Stakeholder Participation in Large Carnivore Conservation

Nina Fascione

The Relationships between Humans and Wolves in the Montesinho Natural Park (North-east of Portugal): From Destruction to Conservation

João Pedro Galhano Alves

The Role of Predation by Wolves (*Canis lupus pallipes*) and Jackals (*Canis aureus*) on Blackbuck (*Antelope cervicapra*) in Velavadar National Park, India

Yadvendradev Jhala

An Analysis of the Costs of Red Foxes to Agricultural Interests in Britain

Rebecca Moberly, Piran White, Charlotte Webbon, Philip Baker & Stephen Harris

Love, Hate and Lunacy: Responses to the Wolf in the Middle Ages and Present Day

Aleks Pluskowski

The Golan Wolf Study: Ecology, Food habits and Livestock Depredation

Alon Reichmann, Dror Pevzner, Rachel Gavrieli, Lia Court, Peretz Gilady, & Eyal Harel

Red Fox and Grouse Populations in Finland: Is the Fox Threatening Grouse Populations?

Kaarina Kauhala

CONSERVATION TOOLS AND PRACTICE

Wed 19 / Thu 20 September

Wolf Habituation: Friend or Foe to Wolf Recovery?

Diane Boyd

Personality Assessment as a Predictor of Survival Rates of Captive-Bred Swift Fox

Samantha Bremner, Robert Elwood & Paulo Prodöhl

Swift Fox Vocalisations: their Possible Application to Population Censuses

Safi Darden

Developing a Technique for Attracting Bush Dogs (*Speothos venaticus*) in the Wild

Karen DeMatteo, Gerald Zuercher, Kelli Smith & Ingrid Porton

Use of an acoustic method for determining the status of the golden jackal (*Canis aureus*)

Giorgos Giannatos & Yiannis Marinos

The Analysis of the Human Attitudes for the Wolf Conservation: the Case of Sierra de la Culebra (Spain)

Montserrat Soria & João Galhano Alves

Asking People about Bush Dogs: the Use of Ecological Informants and Insights on *Speothos venaticus* Natural History

Matthew Swarner

New Perspectives in Wolf Research: GPS with Remote Download Facilities

Barbara Zimmermann, Petter Wabakken, Hans Christian Pedersen, Håkan Sand & Olof Liberg

CONSERVATION POLICY AND PLANNING

Wed 19 / Thu 20 September

Exhibit Space Availability in North American Zoos: a Limiting Factor in Success of Programs for Canid and Hyaenid Species

Karen Bauman, Kathryn Holden, Ingrid Porton & Jack Grisham

Ecological Economics of Wolf - Livestock Conflict in the French Alps

Guillaume Chapron, Stéphane Legendre, Jean Clobert & Régis Ferrière

A National Network to Monitor Natural Wolf Recovery in France: Patterns and Rate

Christophe Duchamp, Thierry Dahier & Benoit Lequette

Problems of Wolf Protection in Poland

Sabina Nowak & Robert Mysłajek

Wolf Conservation in Europe

Fernando Palacios

Environmental and Human Factors Affecting Maned Wolf Conservation in Argentina

Lucia Soler & Jean-Marie Carenton

DISTRIBUTION OF THE CANIDAE

Wed 19 / Thu 20 September

The Wolf in Turkey: Its Status and the Conservation Challenges

Emre Can

Forest Dwelling African Wild Dogs in the Bale Mountains, Ethiopia

Guy Dutson & Claudio Sillero-Zubiri

Assessment of the Status and Threats to the Endangered Ethiopian Wolf

Jorgelina Marino, M. Karen Laurenson & Claudio Sillero-Zubiri

Wolf and Jackal in a Semi-arid Zone of Georgia

Iamze Khutsishvili

Restricted or Widespread? Even or Patchy? Rare or Overlooked? The Distribution and Status of the Short-eared Dog *Atelocynus microtis*

Renata Leite & Rob Williams

Distribution of Conservation Areas for Wolf In the Carpathian Mountains

Valeria Salvatori, Luigi Boitani & Fabio Corsi

Distribution and Conservation of the Wolf in Saudi Arabia: Results of a Preliminary Survey

Iacopo Sinibaldi, Luigi Boitani, Mohamed Sandouka & Iyad Nader