



*III World Conference on Mountain Ungulates
Saragossa, (Aragon, Spain), 10-15 June, 2002*

CONFERENCE PROGRAM

Monday, 10th of June

19:00 Reception at the Town Hall.

Tuesday, 11th of June

08:00-09:00 Registration at the front desk.

09:00-09:20 Opening session.

09:20-09:30 Conference information.

Session 1: Taxonomy and Genetics. Chairman: Gordon Luikart

09:30-09:50 **Genetic variation within Ibex *Capra nubiana* from the Arabian Peninsula**

Blacket M.J., B. Flores, W. Macasero and T.J. Wachter

09:50-10:10 **A noninvasive genetic study of *Ovis gmelinii anatolica* using microsatellite DNA loci**

Ozut D., G. Luikart, C. Maudet and A. Kence

10:10-10:30 **Polymorphism at major histocompatibility complex (MHC) DRB1 locus in the Pyrenean chamois *R.p.pyrenaica*.**

Álvarez-Busto J., I. Arrieta-Agirre, J. Herrero J., I. Garin and B.M. Jugo

10:30-10:50 **Using DNA-testing to detect ungulate poaching: development of a standard set of *Caprinae* microsatellite DNA markers**

Maudet C. and G. Luikart

10:50-11:10 **Preliminary results on the molecular systematics of Chamois (genus *Rupicapra*)**

Hammer, S.

11:10-12:00 *Coffee Break.* Late registrations.

Session 2: Ecology and Behaviour. Chairman: Sandro Lovari

12:00-12:20 **Effect of vegetation factors on the selection of foraging areas by ungulates in Ordesa National Park (Central Pyrenees, Spain)**

Aldezabal, A.; R. García-González and I. Garin

12:20-12:40 **Food patch distribution determines home range size of Chamois only in rich habitats**

Bocci, A.; P. Brambilla and S. Lovari

- 12:40-13:00 **Summer foraging of Alpine chamois selecting pasture vs. forest dominated habitats- plasticity without consequences?**
Baumann, M. and M. Struch
- 13:00-14:30 *Lunch.*
- 14:30-14:50 **Habitat use of Alpine chamois *Rupicapra rupicapra rupicapra* in winter, influenced by paragliding and other air traffic**
Boldt, A.
- 14:50-15:10 **Spatial variation of life history traits in a population of Chamois *Rupicapra rupicapra***
Loison, A.; J.M. Jullien and D. Dubray
- 15:10-15:30 **Estimating abundance of mountain ungulates in Kedarnath Wildlife Sanctuary, Western Himalaya**
Sathyakumar, S.; S.N. Prasad; G.S Rawat and A.J.T. Johnsingh
- 15:30-15:50 **Maternal investment strategies in mountain goats: do older mothers try harder?**
Côté, S. D. and M. Festa-Bianchet
- 15:50-16 :10 **Differences in spatial behaviour between sexes of Alpine ibex *Capra ibex ibex* in Gran Paradiso National Park**
Rossi, I.; S. Grignolio and M. Apollonio
- 16:10-16:30 **Ambient temperature in spring affects horn growth in male Alpine ibexes**
Giacometti, M.; R. Willing and C. Defila
- 16:30-17:10 *Coffee Break.*
- 17:10-17:30 **Factors influencing long term dynamics of population characteristics of the Daghestan tur *Capra cylindricornis* in North Ossetian Nature Reserve**
Veinberg, P.
- 17:30-17:50 **Habitat use by Desert bighorn sheep in Sonora, Mexico**
Tarango, L.A.; P. Krausman and R. Valdez
- 17:50-18:10 **Habitat associations of Tarucas *Hippocamelus antisensis* in the Northwestern Mountains of Argentina: management implications**
Rosati, V.; M.L. Giannini and J.A. Agüero
- 18:10-18:30 **Use of terrain models to estimate disturbance on Wild reindeer *Rangifer tarandus tarandus***
Hagen, A.; O. Strand and R. Andersen

Wednesday, 12th of June

Session 3: Conservation and Management. Chairman: Marco Festa-Bianchet

- 09:00-09:20 **Density-dependence in population dynamics of mountain ungulates and its implications for management**
Festa-Bianchet, M.
- 09:20-09:50 **Conservation in Nepal's High Himalaya: a case study of Blue sheep and its relationship to pastoralism, hunting and tourism in the upper Manang valley, Annapurna Conservation Area**
Fox, J.L. and S.B. Ale

- 09:50-10:10 **Sustainable habitat and disease management at the wildlife/livestock interface.**
Torghar Conservation Project, Balochistan, Pakistan
Frisina, M.R.; M. Woodford and G.A. Awan.
- 10:10-10:30 **Distribution and status of Punjab urial *Ovis vignei punjabiensis* in the Central Pakistan**
Awan, G.A.; T. Ahmad and R. Garstang
- 10:30-10:50 **Conservation and management of Nilgiri tahr *Hemitragus hylocrius* in Eravikulam National Park, Kerala, India**
Alembath, M.
- 10:50-11:30 *Coffee Break.*
- 11:30-11:50 **Sexual selection and trophy hunting present opposing selection pressures on horn growth in Bighorn rams**
Coltman, D.W.; M. Festa-Bianchet; J. Jorgenson and C. Strobeck
- 11:50-12:10 **The Mallorcan wild goat: identity, ecology and management**
Ruiz-Altaba, C.; M. Torrents; J. Llop Sureda; S. Hernández Alles and V.J. Benedí
- 12:10-12:30 **First data on a population of Nubian ibex from Southern Arabia**
Spalton, J.A.; A. Massolo; T.H. Tear; L. Said al Harsusi and S. Lovari
- 12:30-12:50 **Current status of *Caprinae* in Mongolia**
Amgalanbaatar, S.; B. Lhagvasuren and R. Reading
- 12:50-14:30 *Lunch.*
- Session 4: Pathology. Chairmen: Marco Giacometti and Daniel Fernández de Luco*
- 14:30-14:50 **Investigating and interpreting population health in *Ovis dalli* in the Mackenzie Mountains, Northwest Territories, Canada**
Jenkins, E.; A.M. Veitch; B.T. Elkin; S. Kutz; M. Chirino-Trejo and L. Polley
- 14:50-15:10 **Using seroprevalence data for the retrospective detection of epidemics: example of Chlamydiosis and Q fever in mountain ungulate populations**
Fromont, E.; P. Gibert; J. Hars and D. Gauthier
- 15:10-15:30 **Molecular epidemiology of *Mycoplasma conjunctivae* in *Caprinae*: transmission across species in natural outbreaks**
Belloy, L.; M. Janovsky; E.M. Vilei; M. Giacometti and J. Frey
- 15:30-15:50 **Serological survey in domestic sheep, Chamois and Roe deer in Orobic Alps (Italy)**
Gaffuri, A.; S. Magnino; P. Cordioli; R. Pasi; T. Ambrosi; G.D. Frosio; C. Monaci; M. Giacometti and P. Lanfranchi
- 15:50-16:30 *Coffee Break.*
- 16:30-16:50 **An outbreak of brucellosis in Alpine ibex: epidemiological considerations**
Bassano, B. and E. Ferroglio
- 16:50-17:10 **Parasites in Dall's sheep: What can we learn from historical and contemporary collections?**
Kutz, S.; A.M. Veitch; N. Simmons; E.P. Hoberg; B.T. Elkin; E. Jenkins and L. Polley
- 17:10-17:30 **Sanitary interactions between Chamois and domestic ruminants: study on the mitochondrial ND4 gene diversity of *Haemonchus contortus* in the Italian Alps**
Citterio, C.V.; M. Casiraghi; L. Simoncini; V. Casanova; F. Milani; M.T. Manfredi; G. Piccolo and P. Lanfranchi

- 17:30-17:50 **Epidemiology of abomasal parasites of Muskoxen on Banks Island, Northwest Territories, Canada**
Kutz, S.; J. Nagy; B.T. Elkin; E.P. Hoberg; B. Wagner and L. Polley
- 17:50-18:10 **Population evolution of Cantabrian chamois *Rupicapra pyrenaica parva* with sarcoptic mange *Sarcoptes scabiei* in Centre-eastern Asturias (Northwest Spain)**
González-Quirós, P.; P. Silva and S. Solano

Visit to the Aljafería Castle

Thursday, 13th of June

09:00-11:30 *Poster session: "Pathology"*.

09:00-11:30 *Workshop 1: Sustainable Trophy Hunting. Chairman: Rich Harris*

Trophy hunting of endangered species, including Asian *Caprinae*: Comments from the perspective of a CITES Scientific Authority of an EC-country

Grim U.

***Caprinae* hunting system and conservation in Mongolia**

Amgalanbaatar S., B. Lhagvasuren and R. Reading

Transition of *Ovis ammon* hunting programs in the Former Soviet Union

Subbotin A. and B. Wall

Community-based Trophy Hunting: lessons from Pakistan

Virk A.T.

Trophy-Hunting of Asian *Caprinae*: Problems, Progress and Potential

Harris R.B.

11:30-12:00 *Coffee Break.*

12:00-13:00 *Poster session: "Conservation and Management"*

13:00-14:30 *Lunch.*

14:30-16:30 *Poster session: "Taxonomy and Genetics" and "Ecology and Behaviour"*

14:30-16:30 *Workshop 2: Infectious diseases of Caprinae. Chairman: Marco Giacometti*

Brucellosis (*Brucella abortus*, *Brucella melitensis*)

Bassano B.

Pasteurellosis (*Mannheimia (Pasteurella) haemolytica*, *Pasteurella multocida*)

Gauthier D.

Foot rot (*Dichelobacter nodosus* and *Fusobacterium necrophorum*)

Gauthier D.

Infectious Keratoconjunctivitis (*Mycoplasma conjunctivae* and possibly *Chlamydia* sp.)

Giacometti M.

Pseudotuberculosis (*Corynebacterium pseudotuberculosis*)

Giacometti M.

Parasitoses of the respiratory tract (*Protostrongylidae*, *Dictyocaulus* sp.)

Jenkins E.

Parasitoses of the digestive tract (*Trichostrongylidae*, *Strongylidae*, *Trichuridae*)

Polley L.

Sarcoptic mange (*Sarcoptes scabiei* var. *rupicaprae*)

Perez J.M.

14:30-16:30 *Workshop 3: European Chamois Conservation. Chairman: Sandro Lovari*

16:30-17:00 *Coffee Break.*

17:00-17:15 **Conclusions.** Next Conference. By the Scientific Committee

17:15-19:00 **Caprinae Specialist Group Open Meeting.** *Chairman: Marco Festa-Bianchet*

Banquet

Friday, 14th of June

08:00-18:00 E1: Chamois excursion to Posets–Maladeta Park.

08:00-18:00 E2: Romanic style churches (X-XII Century) excursion.

Saturday, 15th of June

Departure