



The subfamily Caprinae includes wild sheep and goats, a group of mammals of great biological and economical value. These animals are adapted to mountainous environments and a key part of the mammalian fauna of many ecosystems. In addition, from an economic point of view, they are much sought after by sport hunters, subsistence hunters, on photo safaris or for use in medicinal products. Although principally associated with mountainous areas, Caprinae are also found in tropical forests and deserts, alpine tundra or arctic steppes. They are naturally distributed across the Northern hemisphere over 4 continents (Africa, America, Asia and Europe) and more than 70 countries from the Arctic to the Equator. They also occur as exotics in Oceania following artificial introductions. In this extensive area, more than 71% of Caprinae species are endangered by loss of habitat, overexploitation, competition and transmission of disease from domestic livestock, hybridisation, tourism and genetic isolation. While 8% of species are listed as critically endangered, 23% are endangered, 40% vulnerable, 28% are least concerned, while insufficient information for assessment is available about the remaining 1% (Schackleton 1997).

From 10 to 14 November 2009, the 5th World Conference of Mountain Ungulates will take place at the Conference centre of Granada to discuss research, conservation and management of mountain ungulate populations in the world. The specific objectives of the conference include: Knowledge, condition and conservation of wild mountain ungulate populations:

- Threatening factors.

- Genetic isolation.
- Hybridisation, tourism.
- Contagious infectious disease.
- Data collection protocols.
- Management and capture techniques.

The official Conference languages are Spanish and English. Further information available on [www.vworldconferenceungulates.org](http://www.vworldconferenceungulates.org), or [secretary@vworldconferenceungulates.org](mailto:secretary@vworldconferenceungulates.org)

#### PAPERS

For papers to be accepted, authors must be registered at the Conference and have completed payment of the corresponding fee. The following subject areas and workshops are proposed:

1. Condition and conservation of mountain ungulate populations.
2. Taxonomy and genetics of mountain ungulate populations.
3. Biology and Ecology: reproduction, physiology, etc.
4. Population management: methods, capture and marking, management experience.
5. Health care status: parasites, infectious and contagious diseases, epidemiology, treatments, epidemiological monitoring, etc.
6. Hunting and Conservation: hunting management and promotion (workshop.)
7. Techniques for estimating populations (workshop.)
8. Ungulates and Climate Change (workshop.)

## First African Symposium on Zoological Medicine 18th-19th July 2009, Anglo Gold Conference Centre, The Johannesburg Zoo



Join fourteen of South Africa's most experienced exotic pet and zoo vets for two days of quality CPD at the Johannesburg Zoo. Brush up on your zoo animal medicine and surgery and attend specific sessions on anaesthesia, nutritional diseases, preventative medicine, pathology and dentistry of zoo animals. Topics include :

- Anaesthesia of zoo animals – Dr. Leon Venter
- Reptile medicine and surgery – Dr. Dorianne Elliot
- Avian medicine and surgery – Dr. Michelle Barrows
- Nutrition and nutritional diseases of zoo animals – Dr. Adrian Tordiffe
- Primate medicine and surgery – Dr. Willemien Van Wyk
- Fish medicine and surgery – Dr. Stephen Van der Spuy
- Veterinary nursing of zoo animals – Sr. JM Pittman
- Training of zoo animals for medical procedures – Dr. Mark Penning
- Zoo animal dentistry – Dr. Gerhard Steenkamp
- Preventative medicine – Dr. Michelle Barrows
- Conservation medicine – Dr. Adrian Tordiffe
- Marine mammal medicine and surgery – Dr. C Pieterse

- Ungulate medicine and surgery - Dr. Katja Koepfel
- Pathology of zoo animals – Dr. Emily Lane
- Zoological veterinary research – Dr. Adrian Tordiffe

Registration Fees include lunch, refreshments, a zoo tour and full symposium proceedings on a memory stick.

Registration fees :	Early bird registration (before 30th Apr)	Late registration (after 30th Apr)
Veterinarians	R 900	R 1000
Vet students/ nurses	R 400	R 500

Financial assistance: Thanks to a grant from the American Association of Zoo Veterinarians/ Mazuri, financial assistance is available for veterinarians attending from African countries other than South Africa. This consists of free registration for the symposium and help with travel costs to South Africa.

For registration form, or further information, please contact Teresa Slacke : [Vetadmin@jhbzoo.org.za](mailto:Vetadmin@jhbzoo.org.za)