

# RAPTOR CONSERVATION MEDICINE

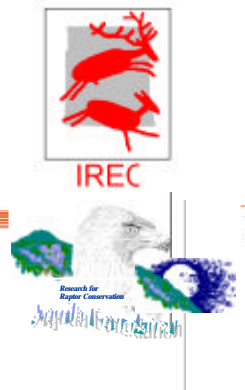
## EAGLE CONSERVATION ALLIANCE (ECA).

Oropesa, Toledo, Spain, October 12-13, 2009



*Coordinators: Juan M Blanco, Ursula Höfle and Miguel Saggese*

### Co-organizers



### Colaborating





# PROGRAM

## Sunday 11 October 2009

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- 8:00-8:50. REGISTRATION DESK open to provide material to participants.
- 8:50-9:00 WELCOME by the local Course organizers Juan Manuel Blanco & Ursula Höfle on behalf of the ECA (10 min; 9:00-9:10)

**Session #1, Understanding the "disease": Who fights against Who?** (9:00 a.m.-14:00 a.m.). Chairs: Miguel Sagesse and Juan M Blanco

### Master lectures:

- "Comparative avian immunology: what do you need to know about the avian defense system?". Dr. J. Jill Heatley, Texas A&M University and Schubott Center, US. (50 min + 10 min questions; 9:00-10:00 a.m.).
- "Diseases affecting raptor populations: who is leading the enemy out there?", Professor Patrick Redig, The Raptor Center, University of Minnesota. US. (50 min + 10 min questions; 10:00-11:00 a.m.)

Tea Break, (*ad lib*, tea will be available from 11:00 to 11:30 p.m.)

- "Raptors in health and disease from the pathologist perspective: reviewing the battle collateral damages", Dr. Arno Wunschmann, University of Minnesota, College of Veterinary Medicine, US (50 min + 10 min questions 11:30-12:30 p.m.) To be confirmed.
- "Emerging diseases in birds of prey in Central Spain: what do they tell us?", Dr. Ursula Höfle, UCLM-IREC, Spain (50 min+10 min questions; 12:30-13:30 p.m.).
- "Injured raptors showing diseases upon admission and how that affect rehabilitation and prognosis", Professor Michael Lierz, Klinik für Vögel, Amphibien, Reptilien und Fische, Justus Liebig Universität Giessen, Germany (30 min+10 min questions; 13:30-14:00 p.m.).

Lunch (90 min; 14:00-15:30 p.m.)

**Session #2, Silent factors influencing populations of endangered raptors** (15:30-19:00 p.m.). Chairs: Ursula Höfle.

### Master lectures

- "Acute poisoning and persistent contaminants: mechanisms of action and their role in decreasing raptor populations", Dr Rafael Mateo, National

*Institute for Research on Game Species (IREC), Spain. (50 min+10 min questions; 15:30-16:30 p.m.).*

- "Investigating veterinary pharmaceutical residues and their potential non-target effects on avian populations, with special reference to NSAIDs", *Dr. Mark Taggart, National Institute for Research on Game Species (IREC), Spain (50 min+10 min questions; 16:30-17:30 p.m.).*
- "Diseases and contaminants affecting reproduction: the silent way to decrease productivity", *Dr. Juan M Blanco, Centro de Estudios de Rapaces Ibéricas CERI-JCCM. Spain (50 min+10 min questions; 17:30-18:30 p.m.).*
- "Understanding the meaning of Conservation Medicine and how that applies to raptor populations", *Dr. Miguel Sagesse, Western University of Health Sciences, California, US (50 min+10 min questions; 18:30-19:30 p.m.).*

**Session #3, Round table I: The role of the avian veterinarian and the ECA in Developing Eagle Conservation Medicine**, (19:30-20:30 p.m.) Participants: *J.Jill Heatley, Patrick Redig, Arno Wunschmann, Ursula Höfle, Rafael Mateo, Mark Taggart, Oliver Krone, Michael Lierz and Juan M Blanco.* Moderator: *Miguel Sagesse*

*Dinner (20:30-21:50 p.m.)*

## **Monday 12 October 2009 (Day 2)**

**Session #4, Immunosuppression and immunomodulation** (8:30 a.m.-10:30 a.m.).  
Chairs: Miguel Sagesse and Juan M Blanco

### **Master lectures:**

- "Facing epidemic outbreaks and prophylactic management from the scientific to the legal perspective". *Professor Erhard F Kaleta, Klinik für Vögel, Amphibien, Reptilien und Fische, Justus Liebig Universität Giessen. (50 min + 10 min questions; 8:30- 9:30 a.m.). To be confirmed*
- "Pathogenesis of fungal diseases and predisposing factors of interest from the prophylactic perspective. *Professor Patrick Redig, The Raptor Research Center, University of Minnesota. US. (50 min + 10 min questions; 9:30-10:30 a.m.)*

**Session #5, Forensic medicine** (10:30 a.m.-11:30 a.m.). Chairs: Miguel Sagesse and Juan M Blanco

- " Post mortem examination, forensic investigations and record keeping to improve knowledge on diseases as mortality factors affecting raptor populations", *Dr. Arno Wunschmann, University of Minnesota, College of Veterinary Medicine, US (50 min + 10 min questions 10:30-11:30 p.m.) To be confirmed*

*Tea Break, (ad lib, tea will be available from 11:30 to 12:00 p.m.)*

**Session #6** Understanding epidemiological factors and pathogenesis of disease for building up effective prophylactic strategies (12:00-19:00 p.m.).  
Chairs: Miguel Sagesse and Patrick Redig

Master lectures: Parasitic diseases

- "Prevalence and role of hemoparasites in North American raptors", *Dr. J. Jill Heatley, Texas A&M University and Schubott Center, US* (50 min + 10 min questions 12:00-13:00 p.m.)
- "Potential role of parasites as factors influencing raptor populations and methods used in applied parasitological research of raptors", *Dr. Oliver Krone, Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany* (50 min + 10 min questions 13:00-14:00 p.m.)

Lunch (90 min; 14:00-15:30 p.m.)

Master lectures: Mycoplasma and viral diseases

- "What do we know about mycoplasma in relation to raptor populations?", *Dr. Michael Lierz, Klinik für Vögel, Amphibien, Reptilien und Fische, Justus Liebig Universität Giessen* (50 min+10 min questions; 15:30-16:30 p.m.).
- "Avian influenza: a model for the research and management of emerging diseases affecting wild bird populations? *Professor Thijs Kuiken, Erasmus Medical Center, Netherlands* (50 min+10 min questions; 16:30-17:30 p.m.).  
To be confirmed.
- "An update of West Nile virus affecting raptor populations in America: epidemiology and potential prophylactic actions", *Professor Miguel Sagesse, Western University of Health Sciences, California, US* (50 min+10 min questions; 17:30-18:30 p.m.).

**Session #6, Round table II: Linking a potential ECA raptor health network with existing initiatives** (18:30-19:30 p.m.) Participants: *Erhard F Kaleta, J.Jill Heatley, Patrick Redig, Arno Wunschmann, Rafael Mateo, Miguel Sagesse, Thijs Kuiken, Oliver Krone, Michael Lierz and Juan M Blanco.* Moderator: Ursula Höfle

**CLOSING REMARKS**

Dinner (20:00-21:30 p.m.)